

Lucent Technologies
Bell Labs Innovations



**4ESS™ Switch
Announcement Administration
Processor**

Input/Output Manual

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About This Document

1

Purpose of This Document

The primary method for the craft to access the Announcement Administration Processor (AAP) is via the input messages and output messages that are contained within the user interface (UI) part of the AAP applications software. This document fully describes all interactions with UI. These interactions are in the form of input messages, input message acknowledgements, and output messages. It is generally assumed that these interactions will be either user or system initiated and occur at the AAP console. However, it is also possible (with certain special login privileges) for personnel within the Technology Control Centers (TCCs)/Network Control Centers (NCCs) to interact with the UI from their remote terminal.

Intended Audiences for This Document

The primary audience is the AT&T on-site work force (OSWF). A secondary audience is AT&T installers and personnel within the:

- TCC/NCC
- Advanced Feature Service Center (AFSC)
- National Electronic Switching Assistance Center (NESAC).

Chapter Organization Within This Document

This document is structured as follows:

- Chapter 2—PDS Input Messages
- Chapter 3—PDS Input Messages, Syntax, and Field Option Descriptions
- Chapter 4—PDS Output Messages
- Chapter 5—PDS Output Message Displays
- Chapter 6—MML Input and Output Commands—Overview
- Chapter 7—MML Input Commands
- Chapter 8—MML Output Commands
- Appendix A—Output Messages Appended Information



NOTE:

Occasionally, an output message may be appended with a unique four-digit number and one-line statement regarding what that number means.

- Appendix B—Output for Autonomous Messages
- Index—An alphabetical index.

Structure of Messages and Commands

The AAP supports the use of the following:

- Input/output messages and acknowledgements structured per the Program Documentation Standards (PDS)
- Input and output commands in the huMan-Machine Language (MML) command format.

PDS Input Messages

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Input Message Applications

The PDS input messages documented in this manual concern the control and maintenance of the AAP. In this context, maintenance is considered to be the normal operations that are required to monitor and maintain the hardware and software process, databases, display the system log, and implement the other functions of the AAP. In particular, some specific functions performed by the AAP include the following:

- Recording an announcement
- Copying an announcement
- Verifying an announcement
- Running an audit
- Outputting (displaying) the contents of a database
- Clearing a database
- Stopping a process or process group
- Starting a process, process group, and so forth.

Depending on a particular function, the desired input message may (optionally) contain one or more fields that require variable data. Because there are many variables or options inherent to requesting these functions, the input messages can be complex and support several valid forms. However, usually there will only be one form that will yield the desired results. The user should be thoroughly familiar with the "rules of structure," syntax, and meaning of the variable data before entering an input message.

Rules of Structure

The term "rules of structure" refers to the PDS requirements regarding how to properly specify an input message. These rules include the following:

- Input messages consist of two or three fields (*action* field, *identification* field, *data* field) that are separated by colons, semicolons, or sometimes commas, and the message is terminated by an exclamation point (!).
- The *action* and *identification* fields are required for all messages. The use of the *data* field is dependent on the structure of each message. Most input messages use the *data* field.
- The *action* field consists of an uppercase keyword that identifies a function. This function is usually an abbreviation for a verb, such as the uppercase keyword ASN (assign), VER (verify), and RCD (record).
- The *identification* field addresses the hardware and/or database where the action is to be performed. This field may be divided into two or three subfields that are separated by semicolons or commas. Each subfield contains a *keyword unit*.

⇒ NOTE:

A *keyword unit* may consist of either a single keyword or a keyword with one or more variables, which are called *arguments*. An example of arguments would be to depict a range (two hyphen-separated variables). An argument represents variable information that is to be supplied by the user. Within this document, arguments are depicted with lowercase letters.

- The *data* field, when used, consists of one or more keyword units that are separated by commas.
- At least one space is required to separate a keyword from its argument. Spaces are optional anywhere else in the message.
- Messages ending with an end of message character (!) require a carriage return (CR) or End-of-Transmission (EOT) before the message is executed. If a CR is not preceded by an !, an ! will be added to the end of the message and the message will be executed.
- An input message may consist of one line (78 characters), or two lines (79 additional characters on the second line) for a total of 157 characters.

⇒ NOTE:

The 157-character limit includes the end of message character (!) as well as all spaces. The backspace character (delete last character) is only functional on the current line. The backspace character will not wrap back from the second line to the first line.

Control and Punctuation Characters

Table 2-1 lists the various control and punctuation characters and provides a description of their function when used within an input message.

Table 2-1. Permitted Control and Punctuation Characters

Input Character	Description
:	field delimiter
;	subfield delimiter
,	keyword unit and multiple argument delimiter
Space (SP)	keyword delimiter
"	text string delimiter
-	range
Backspace (BS)	delete last character (echo BS SP BS)
&	delete entire message
Delete (DEL)	delete entire message
!	end of message
EOT	if preceded by !, executes message
Carriage Return (CR)	if preceded by !, executes message
CR	if not preceded by !, adds ! to the end and executes

Formats

For display purposes in this document, the input message formats include a string format notation, which consists of three types of punctuation (brackets, braces, and vertical bar) that are not part of the input message format.

⇒ NOTE:

This notation should **never** be input from the AAP console as part of the input message.

The purpose of this notation is to show the choices the user has in constructing the message.

- [] = Brackets enclose optional entries. Optional entries may be included or omitted from a message.
- { } = Braces enclose a selection of two or more entries where one entry, and only one, must be included in the message.
- | = Vertical bars separate a selection of entries enclosed by brackets or braces. One of the entries separated by a vertical bar, but only one, must be selected.

Acknowledgements

⇒ NOTE:

Output messages to the AAP console screen are inhibited whenever an input message is being entered. Output messages are subsequently enabled when an input message is either executed or timed out.

The AAP responds to each input message with an immediate acknowledgement, and depending on other system activities, either an immediate or delayed output message. The format of all acknowledgements is:

aa[,t]

Where: aa = Two characters indicating the status of the requesting input message. Table 2-2 describes each acknowledgement.

t = Explanatory text for the 2-character status.

Table 2-2. PDS Input Message Acknowledgements

Acknowledgement	Description of the Acknowledgement
IP	In Progress—Request received and initiated. Further output will follow.
NG	No Good—Message syntax is valid, but an error or system conflict has occurred. This acknowledgement may have appended information. See Appended information in Appendix A.
RL	Repeat Later—Request cannot be executed because the UI Job queue is full.
?A	Action field contains an error. An error in the first field of the message (usually to the left of the first colon).
?D	Data field contains an error. An error in the last field of the message (usually to the right of the second colon).
?E	Syntax error exists in the message but cannot be resolved to the proper field.
?I	Identification field contains an error. An error is in the second field of the message (to the right of the first colon).
?L	The maximum message length of 157 characters has been exceeded.
?T	Time-out has occurred on the input message. Input has not been received in 180 seconds, and processing of the message has been aborted.

References

The references section lists those other input messages that perform an action on the particular item specified within the identification field.

AAP UI Message Application per Site Type

The AAP may be used in any one of three different configurations or site types. These are referred to as the Field Site, Central Site Master, and Central Site Slave. All UI messages may be used on a Central Site Master. Most UI messages may be used on a Field Site, while only a small subset may be used on the Central Site Slave. Table 2-3 lists all of the UI input messages and identifies the AAP site type(s) for which each UI message is applicable.

AAP UI Message Application per Database

From analyzing Table 2-3, it should be understood that the site type determines the databases with which the AAP is configured. It should also be understood that there are restrictions on which UI messages apply to a particular database and on their use with a particular database tuple. The 201-525-014AC, **4ESS™** *Switch, AAP Field Site and Central Site Operations Manual* further identifies the UI restrictions and permissions in Table 2-1 (Central Site) and Table 4-1 (Field Site), as they relate to the AAP databases.

PDS Input Messages, Syntax, and Field Option Descriptions

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PDS Input Messages, Syntax, and Field Option Descriptions

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Allow Messages

ALW:AUDIT Message

```
ALW:AUDIT:KEY {a|ALL}!
```

Site Type

Central Site Master, Field Site

Purpose

Allows (enables) a specified audit, or all audits, in the Audit (AUDIT) database to run at the audit time.

Explanation of Arguments

a, ALL	Database Key (single value 0-99999 or text string value ALL).
---------------	---

Input Message Acknowledgements

IP	In Progress. Request received and initiated. Further output will follow.
RL	Repeat Later. Request cannot be executed now due to UI job queue being full. Use message OP:JOB to list UI jobs on queue. Use message STOP:JOB to remove any unnecessary UI jobs.
?I, semicolon	The identification field is missing a semicolon.
?I, KEY	Database KEY keyword is missing and must be entered.
?I, KEY number	Database KEY number is missing and must be entered. Value must be a number within the specified range (0-99999 or ALL).
?I, KEY a	Invalid database KEY was entered. Value must be a number within the specified range (0-99999 or ALL). The character represented by the "a" is the invalid value.
?I	Syntax error exists within the identification field of the message.
?E	Syntax error exists in the message but cannot be resolved to the proper field.
?L	The maximum message length of 157 characters has been exceeded.
?T	Time-out has occurred on the message. Input has not been received in 180 seconds, and processing of the message has been aborted.

References

AUD
CLR:AUDIT
INH:AUDIT
OP:AUDIT
RC:AUDIT
OP:JOB
STOP:JOB

ALW:SCUEQP Message

```
ALW:SCUEQP;KEY {a|ALL}!
```

Site Type

Central Site Master, Field Site

Purpose

Allows (enables) a specified Service Circuit Unit (SCU) or all units in the Service Circuit Unit Equipment (SCUEQP) database to be run. This input message sets the ENA field of the specified SCU to 1 (YES).

Explanation of Argument

a, ALL Database Key (single value 0-99999 or text string ALL).

Input Message Acknowledgements

IP	In Progress. Request received and initiated. Further output will follow.
RL	Repeat Later. Request cannot be executed now due to UI job queue being full. Use message OP:JOB is full. Use message OP:JOB to list jobs on queue. Use message STOP:JOB to remove any unnecessary UI jobs.
?I, semicolon	The identification field is missing a semicolon.
?I, KEY	Database KEY keyword is missing and must be entered.
?I, KEY number	Database KEY number is missing and must be entered. Value must be a number within the specified range (0-99999 or ALL).
?I, KEY a	Invalid database KEY was entered. Value must be a number within the specified range (0-99999 or ALL). The "a" is the invalid value that was entered.
?E	Syntax error exists in the message but cannot be resolved to the proper field.

- ?L The maximum message length of 157 characters has been exceeded.
- ?T Time-out has occurred on the message. Input has not been received in 180 seconds, and processing of the message has been aborted.

References

CLR:SCUEQP
OP:SCUEQP
RC:SCUEQP
INH:SCUEQP
OP:JOB
STOP:JOB

Assign Message

ASN:ANN Message

```
ASN:[SCS a,SCU b,]ANN c,AA d:ANN e!
```

Site Type

Central Site Master, Field Site

Purpose

Assigns a specified announcement to an "Announcement Mapping Address" in "Announcement Set N."

Explanation of Arguments

- a** Service Circuit System (single value 0-7; default all).
- b** Service Circuit Unit (single value 0-15; default all).
- c** Current Announcement ID (single value 1-65535).
- d** Announcement Mapping Address (single value 1-511).
- e** New Announcement ID (single value 1-65535).

Input Message Acknowledgements

- IP** In Progress. Request received and initiated. Further output will follow.
- RL** Repeat Later. Request cannot be executed now due to UI job queue being full. Use message **OP:JOB** to list UI jobs on queue. Use message **STOP:JOB** to remove any unnecessary UI jobs.
- ?I, colon** The identification field is missing a colon.
- ?I, comma** The identification field is missing a comma.
- ?I, SCS** SCS keyword is missing and must be entered.

?I, SCS number	Invalid SCS number is missing and must be entered. Value must be a number within the specified range (0-7).
?I, SCS a	Invalid Service Circuit System was entered. Value must be a number within the specified range (0-7). The "a" is the invalid value that was entered.
?I, SCU	SCU keyword is missing and must be entered.
?I, SCU number	Invalid SCU number is missing and must be entered. Value must be a number within the specified range (0-15).
?I, SCU b	Invalid Service Circuit Unit was entered. Value must be a number within the specified range (0-15). The "b" is the invalid value that was entered.
?I, ANN	Announcement ID keyword is missing and must be entered.
?I, ANN number	Announcement ID number is missing and must be entered. Value must be a number within the specified range (1-65535).
?I, ANN c	Invalid Announcement ID was entered. Value must be a number within the specified range (1-65535). The "c" is the invalid value that was entered.
?I, AA	Announcement Mapping Address keyword is missing and must be entered.
?I, AA number	Announcement Mapping Address number is missing and must be entered. Value must be a number within the specified range (1-511).
?I, ANN d	Invalid Announcement Mapping Address was entered. Number must be within the specified range (1-65535). The "d" is the invalid value that was entered.
?D, ANN	Announcement ID number is missing and must be entered.
?D, ANN number	Announcement ID number is missing and must be entered. Value must be a number within the specified range (1-65535).
?D, ANN e	Invalid Announcement ID was entered. Value must be a number within the specified range (1-65535). The "e" is the invalid value that was entered.
?E	Syntax error exists in the message but cannot be resolved to the proper field.
?L	The maximum message length of 157 characters has been exceeded.

?T

Time-out has occurred on the message. Input has not been received in 180 seconds, and processing of the message has been aborted.

References

COPY:ANN
RCD:ANN
RMV:ANN
RPLC:ANN
VER:MODE1
VER:MODE2
VER:MODE3
VER:MODE4
OP:JOB
STOP:JOB

Audit Message

AUD Message

```
AUD:KEY a!
```

Site Type

Central Site Master, Field Site

Purpose

Runs (immediately) a specified audit in the Audit (AUDIT) database.

Explanation of Arguments

a Database Key (single value 0-99999).

Input Message Acknowledgements

IP	In Progress. Request received and initiated. Further output will follow.
RL	Repeat Later. Request cannot be executed now due to UI job queue being full. Use message OP:JOB to list UI jobs on queue. Use message STOP:JOB to remove any unnecessary UI jobs.
?I, semicolon	The identification field is missing a semicolon.
?I, KEY	Database KEY keyword is missing and must be entered.
?I, KEY number	Database KEY number is missing and must be entered. Value must be a number within the specified range (0-99999).
?I, KEY a	Invalid database KEY was entered. Value must be a number within the specified range (0-99999). The "a" is the invalid value that was entered.
?I	Syntax error exists within the identification field of the message.

?E	Syntax error exists in the message but cannot be resolved to the proper field.
?L	The maximum length of 157 has been exceeded.
?T	Time-out has occurred on the message. Input has not been received in 180 seconds, and processing of the message has been aborted.

References

ALW:AUDIT
CLR:AUDIT
INH:AUDIT
OP:AUDIT
RC:AUDIT
OP:JOB
STOP:JOB

Clear Messages

CLR:ANNUPD Message

CLR:ANNUPD!

Site Type

Central Site Master, Field Site

Purpose

Clears (initializes) the Announcement Update (ANNUPD) database.

Explanation of Arguments

None

Input Message Acknowledgements

IP	In Progress. Request received and initiated. Further output will follow.
RL	Repeat Later. Request cannot be executed now due to UI job queue being full. Use message OP:JOB to list UI jobs on queue. Use message STOP:JOB to remove any unnecessary UI jobs.
?I	Syntax error exists within the identification field of the message.
?E	Syntax error exists in the message but cannot be resolved to the proper field.
?L	The maximum message length of 157 characters has been exceeded.
?T	Time-out has occurred on the message. Input has not been received in 180 seconds, and processing of the message has been aborted.

Initialized Database Values

The ANNUPD database contains no tuples when it is initialized.

References

OP:ANNUPD
OP:JOB
STOP:JOB

CLR:AUDIT Message

CLR:AUDIT!

Site Type

Central Site Master, Field Site

Purpose

Clears (initializes) the Audit (AUDIT) database.

Explanation of Arguments

None

Input Message Acknowledgements

IP	In Progress. Request received and initiated. Further output will follow.
RL	Repeat Later. Request cannot be executed now due to UI job queue being full. Use message OP:JOB to list UI jobs on queue. Use message STOP:JOB to remove any unnecessary UI jobs.
?I	Syntax error exists within the identification field of the message.
?E	Syntax error exists in the message but cannot be resolved to the proper field.
?L	The maximum message length of 157 characters has been exceeded.
?T	Time-out has occurred on the message. Input has not been received in 180 seconds, and processing of the message has been aborted.

Initialized Database Values

KEY	TYPE	ANNSET	FROM	TO	UCL	MO	DAYMO	DAYWK	HR	MIN	ENA	ACT
0	0	N	1	511	0	*	*	*	00	00	0	0
1	1	N	1	65535	0	*	*	*	00	00	0	0
2	2	N	1	65535	0	*	*	*	00	00	0	0
3	3	N	1	65535	0	*	*	*	00	00	0	0
4	4	N	1	1	0	*	*	*	00	00	0	0
5	5	N	1	1	0	*	*	*	00	00	0	0
6	6	N	1	1	0	*	*	*	00	00	0	0

References

ALW:AUDIT
CLR:AUDIT
INH:AUDIT
OP:AUDIT
RC:AUDIT
OP:JOB
STOP:JOB

CLR:CAUCS Message

CLR:CAUCS!

Site Type

Central Site Master

Purpose

Clears (initializes) the Central Announcement Update Control System (CAUCS) database.

Explanation of Arguments

None

Input Message Acknowledgements

IP	In Progress. Request received and initiated. Further output will follow.
RL	Repeat Later. Request cannot be executed now due to UI job queue being full. Use message OP:JOB to list UI jobs on queue. Use message STOP:JOB to remove any unnecessary UI jobs.
?I	Syntax error exists within the identification field of the message.
?E	Syntax error exists in the message but cannot be resolved to the proper field.
?L	The maximum message length of 157 characters has been exceeded.
?T	Time-out has occurred on the message. Input has not been received in 180 seconds, and processing of the message has been aborted.

Initialized Database Values

The CAUCS database contains no tuples when it is initialized.

References

OP:CAUCS
OP:JOB
STOP:JOB

CLR:FSITE Message

CLR:FSITE!

Site Type

Central Site Master

Purpose

Clears (initializes) the Field Site (FSITE) database.

Explanation of Arguments

None

Input Message Acknowledgements

IP	In Progress. Request received and initiated. Further output will follow.
RL	Repeat Later. Request cannot be executed now due to UI job queue being full. Use message OP:JOB to list UI jobs on queue. Use message STOP:JOB to remove any unnecessary UI jobs.
?I	Syntax error exists within the identification field of the message.
?E	Syntax error exists in the message but cannot be resolved to the proper field.
?L	The maximum message length of 157 characters has been exceeded.
?T	Time-out has occurred on the message. Input has not been received in 180 seconds, and processing of the message has been aborted.

Initialized Database Values

The FSITE database contains no tuples when it is initialized.

References

OP:FSITE
RC:FSITE
OP:JOB
STOP:JOB

CLR:MACHINE Message

CLR:MACHINE!

Site Type

Central Site Master, Central Site Slave, Field Site

Purpose

Clears (initializes) the Machine (MACHINE) database.

Explanation of Arguments

None

Input Message Acknowledgements

IP	In Progress. Request received and initiated. Further output will follow.
RL	Repeat Later. Request cannot be executed now due to UI job queue being full. Use message OP:JOB to list UI jobs on queue. Use message STOP:JOB to remove any unnecessary UI jobs.
?I	Syntax error exists within the identification field of the message.
?E	Syntax error exists in the message but cannot be resolved to the proper field.
?L	The maximum message length of 157 characters has been exceeded.
?T	Time-out has occurred on the message. Input has not been received in 180 seconds, and processing of the message has been aborted.

Initialized Database Values

The MACHINE database contains one tuple that was created by the "Load and Installation of the AAP Software" The tuple contains user input (CLLI* code and OFID) and default values (LVL=24, CSPN=1234567890, CTYPE=1).

* Common Language is a registered trademark and CLEI, CLLI, CLCI, and CLFI are trademarks of Bell Communications Research, Inc.

References

OP:MACHINE
RC:MACHINE
OP:JOB
STOP:JOB

CLR:MEAS Message

CLR:MEAS!

Site Type

Central Site Master, Field Site

Purpose

Clears (initializes) the Measurements Report.

Explanation of Arguments

None

Input Message Acknowledgements

IP	In Progress. Request received and initiated. Further output will follow.
RL	Repeat Later. Request cannot be executed now due to UI job queue being full. Use message OP:JOB to list UI jobs on queue. Use message STOP:JOB to remove any unnecessary UI jobs.
?A	Action field contains an error. An error in the first field of the message.
?E	Syntax error exists in the message but cannot be resolved to the proper field.
?I	Identification field contains an error. An error is in the second field of the message (to the right of the first colon).
?L	The maximum message length of 157 characters has been exceeded.
?T	Time-out has occurred on the message. Input has not been received in 180 seconds, and processing of the message has been aborted.

References

OP:MEAS
OP:JOB
STOP:JOB

CLR:SCUEQP Message

CLR:SCUEQP!

Site Type

Central Site Master, Field Site

Purpose

Clears (initializes) the Service Circuit Unit Equipment (SCUEQP) database.

Explanation of Arguments

None

Input Message Acknowledgements

IP	The SCUEQP database has been cleared (initialized).
RL	Repeat Later. Request cannot be executed now due to UI job queue being full. Use message OP:JOB to list UI jobs on queue. Use message STOP:JOB to remove any unnecessary UI jobs.
?I	Syntax error exists within the identification field of the message.
?E	Syntax error exists in the message but cannot be resolved to the message.
?L	The maximum message length of 157 characters has been exceeded.
?T	Time-out has occurred on the message. Input has not been received in 180 seconds, and processing of the message has been aborted.

Initialized Database Values

The SCUEQP database contains no tuples when it is initialized.

References

OP:SCUEQP
RC:SCUEQP
ALW:SCUEQP
INH:SCUEQP
OP:JOB
STOP:JOB

CLR:SETEQP Message

CLR:SETEQP!

Site Type

Central Site Master, Field Site

Purpose

Clears (initializes) the Announcement Set Equipage (SETEQP) database.

Explanation of Arguments

None

Input Message Acknowledgements

IP	The SETEQP database has been cleared (initialized).
RL	Repeat Later. Request cannot be executed now due to UI job queue being full. Use message OP:JOB to list UI jobs on queue. Use message STOP:JOB to remove any unnecessary UI jobs.
?I	Syntax error exists within the identification field of the message.
?E	Syntax error exists in the message but cannot be resolved to the proper field.
?L	The maximum message length of 157 characters has been exceeded.
?T	Time-out has occurred on the message. Input has not been received in 180 seconds, and processing of the message has been aborted.

Initialized Database Values

KEY	ANNSET	SETADR	SETNUM
0	N	09006A190A	0
1	S	09006A190A	1

References

OP:SETEQP
RC:SETEQP
OP:JOB
STOP:JOB

CLR:SLAVE Message

CLR:SLAVE!

Site Type

Central Site Master

Purpose

Clears (initializes) the slave (SLAVE) database (only central site).

Explanation of Arguments

None

Input Message Acknowledgements

IP	In Progress. Request received and initiated. Further output will follow.
RL	Repeat Later. Request cannot be executed now due to UI job queue being full. Use message OP:JOB to list jobs on queue. Use message STOP:JOB to remove any unnecessary UI jobs.
?I	Syntax error exists within the identification field of the message.
?E	Syntax error exists in the message but cannot be resolved to the proper field.
?L	The maximum message length of 157 characters has been exceeded.
?T	Time-out has occurred on the message. Input has not been received in 180 seconds, and processing of the message has been aborted.

Initialized Database Values

KEY	CSID	ISOID
1	999	00020A0B837D0101

References

OP:SLAVE
RC:SLAVE
OP:JOB
STOP:JOB

Copy Message

COPY:ANN Message

```
COPY:ANNSET a,SCS b,SCU c,ANN d:[ANNSET e,]SCS f,SCU g,[DISK h,][RAM,]ANN i,  
ANNVER "j"!
```

Site Type

Central Site Master, Field Site

Purpose

Copy a specified announcement in an Announcement Set to another specified announcement in the same or different Announcement Set.

Explanation of Arguments

- a** From Announcement Set (single value A-Z).
- b** From Service Circuit System (single value 0-7).
- c** From Service Circuit Unit (single value 0-15).
- d** From Announcement ID (single value 1-65535).
- e** To Announcement Set (single value A-Z; default = From Announcement Set).
- f** To Service Circuit System (single value 0-7).
- g** To Service Circuit Unit (single value 0-15).
- h** To Disk Pair (single value 0-3; default 0).
- i** To Announcement ID (single value 1-65535).

⇒ NOTE:

Announcements within the range of 2001-20017 are reserved for internal SCU use only. Any attempt to use an announcement within this range will result in generating SCU error (65303 or 0xFF17).

- j** Announcement Version number contains four uppercase alphanumeric characters and must be surrounded by quotation marks (" "). Cannot be the string "NONE."

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Input Message Acknowledgements

IP	Input Progress. Request received and initiated. Further output will follow.
RL	Repeat Later. Request cannot be executed now due to UI job queue being full. Use message OP:JOB to list UI jobs on queue. Use message STOP:JOB to remove any unnecessary UI jobs.
?I, colon	The identification field is missing a colon.
?I, comma	The identification field is missing a comma.
?I, ANNSET	Announcement Set name is missing and must be entered.
?I,ANNSET name	Announcement Set name is missing and must be entered. Value must be a single uppercase letter.
?I, SCS	Service Circuit System keyword is missing and must be entered.
?, SCS number	Invalid Service Circuit System number is missing and must be entered. Value must be a number within the specified range (0-7).
?I, SCS b	Invalid Service Circuit System was entered. Value must be a number within the specified range (0-7). The "b" is the invalid value that was entered.
?I, SCU	Service Circuit Unit keyword is missing and must be entered.
?I, SCU number	Invalid Service Circuit Unit number is missing and must be entered. Value must be a number within the specified range (0-15).
?, SCU c	Invalid Service Circuit Unit was entered. Value must be a number within the specified range (0-15). The "c" is the invalid value that was entered.
?I, ANN	Announcement ID keyword is missing and must be entered.
?I, ANN number	Announcement ID number is missing and must be entered. Value must be a number within the specified range (1-65535).
?I, ANN d	Invalid Announcement ID was entered. Value must be a number within the specified range (1-65535). The "d" is the invalid value that was entered.
?D, ANNSET	Announcement Set keyword is missing and must be entered.

- ?D,ANNSET name** Announcement Set name is missing and must be entered. Value must be a single uppercase letter.
- ?D,SCS** Service Circuit System keyword is missing and must be entered.
- ?D,SCS number** Invalid Service Circuit System number is missing and must be entered. Value must be a number within the specified range (0-7).
- ?D,SCS f** Invalid Service Circuit System was entered. Value must be a number within the specified range (0-7). The "f" is the invalid value that was entered.
- ?D,SCU** Service Circuit unit keyword is missing and must be entered.
- ?D, SCU number** Invalid Service Circuit Unit number is missing and must be entered. Value must be a number within the specified range (0-15).
- ?D,SCU g** Invalid Service Circuit Unit was entered. Value must be a number within the specified range (0-15). The "g" is the invalid value that was entered.
- ?D,DISK number** Disk pair number is missing and must be entered. Value must be a number within the specified range (0-3).
- ?D,DISK h** Invalid Disk Pair was entered. Value must be a number within the specified range (0-3). The "h" is the invalid value that was entered.
- ?D,RAM** RAM keyword is missing a comma.
- ?D,comma** The data field is missing a comma.
- ?D,ANN** Announcement ID keyword is missing and must be entered.
- ?D,ANN number** Announcement ID number is missing and must be entered. Value must be a number within the specified range (1-65535).
- ?D,ANN i** Invalid Announcement ID was entered. Value must be a number within the specified range (1-65535). The "i" is the invalid value that was entered.
- ?D,ANNVER** Announcement Version keyword is missing and must be entered.
- ?D,ANNVER number** Announcement Version number is missing and must be entered. Value must be four uppercase alphanumeric characters and cannot be the string "NONE."

?D,ANNVER j	Invalid Announcement Version number was entered. Value must be four uppercase alphanumeric characters and cannot be the string "NONE." The "j" is the invalid value that was entered.
?E	Syntax error exists in the message but cannot be resolved to the proper field.
?L	The maximum message length of 157 characters has been exceeded.
?T	Time-out has occurred on the message. Input has not been received in 180 seconds, and processing of the message has been aborted.

Reference

ASN:ANN
RCD:ANN
RMV:ANN
RPLC:ANN
VER:MODE1
VER:MODE2
VER:MODE3
VER:MODE4
OP:JOB
STOP:JOB

Exit Message

EXIT Message

EXIT!

Site Type

Central Site Master, Central Site Slave, Field Site

Purpose

Logs off from the UI.

Explanation of Arguments

None

Input Message Acknowledgements

?A	Syntax error exists within the action field of the message.
?L	The maximum message length of 157 characters has been exceeded.
?T	Time-out has occurred on the message. Input has not been received in 180 seconds, and processing of the message has been aborted.

References

OP:JOB
STOP:JOB

Help Message

HELP Message

?! (which means all messages)
R?! (which means all messages starting with letter R)
RCD?! (which means all messages starting with letter RCD)

Site Type

Central Site Master, Central Site Slave, Field Site

Purpose

Provides available User Interface input messages.

Explanation of Arguments

None

Input Message Acknowledgements

Completed	The specified help message follows.
?E	Syntax error exists in the message but cannot be resolved to the proper field.
?L	The maximum message length of 157 characters has been exceeded.
?T	Time-out has occurred on the message. Input has not been received in 180 seconds, and processing of the message has been aborted.

References

None

Inhibit Messages

INH:AUDIT Message

```
INH:AUDIT;KEY {a|ALL}!
```

Site Type

Central Site Master, Field Site

Purpose

Inhibits (disables) a specified audit or all units in the Audit (AUDIT) database to run at the audit time. This input message sets the ENA field of the specified audit to 0 (NO). Any audit that is currently running (ACT = 1) will be stopped.

Explanation of Arguments

a,ALL Database Key (single value 0-99999 or text string ALL).

Input Message Acknowledgements

IP	In Progress. Request received and initiated. Further output will follow.
RL	Repeat Later. Request cannot be executed now due to UI job queue being full. Use message OP:JOB to list UI jobs on queue. Use message STOP:JOB to remove any unnecessary UI jobs.
?I, semicolon	The identification field is missing a semicolon.
?I, KEY	Database KEY keyword is missing and must be entered.
?I, KEY number	Database KEY number is missing and must be entered. Value must be a number within the specified range (0-99999 or ALL).
?I, KEY a	Invalid database KEY was entered. Value must be a number within the specified range (0-99999 or ALL). The "a" is the invalid value that was entered.

?E	Syntax error exists in the message but cannot be resolved to the proper field.
?L	The maximum message length of 157 characters has been exceeded.
?T	Time-out has occurred on the message. Input has not been received in 180 seconds, and processing of the message has been aborted.

References

AUD
ALW:AUDIT
CLR:AUDIT
OP:AUDIT
RC:AUDIT
OP:JOB
STOP:JOB

INH:SCUEQP Message

```
INH:SCUEQP;KEY {a|ALL}!
```

Site Type

Central Site Master, Field Site

Purpose

Inhibits (disables) a specified SCU or all SCUs in the SCUEQP database. This input message sets the ENA field of the specified SCU to 0 (NO).

Explanation of Arguments

a,ALL Database Key (single value 0-99999 or text string ALL).

Input Message Acknowledgements

IP	In Progress. Request received and initiated. Further output will follow.
RL	Repeat Later. Request cannot be executed now due to UI job queue being full. Use message OP:JOB to list jobs on queue. Use message STOP:JOB to remove any unnecessary UI jobs.
?I, semicolon	The identification field is missing a semicolon.
?I, KEY	Database KEY keyword is missing and must be entered.
?I, KEY number	Database KEY number is missing and must be entered. Value must be a number within the specified range (0-99999 or ALL).
?I, KEY a	Invalid database KEY was entered. Value must be a number within the specified range (0-99999 or ALL). The "a" is the invalid value that was entered.
?E	Syntax error exists in the message but cannot be resolved to the proper field.
?L	The maximum message length of 157 characters has been exceeded.

?T

Time-out has occurred on the message. Input has not been received in 180 seconds, and processing of the message has been aborted.

References

None

Initialize Message

INIT:AAP Message

```
INIT:AAP "a"
```

Site Type

Central Site Master, Central Site Slave, Field Site

Purpose

Initializes (stops and restarts) AAP Applications software or specified AAP process. Already stopped (**STOP:AAP**) software will be restarted. This message will not restart the UNIX* operating system.

Explanation of Arguments

- a AAP—AAP Applications Software
AAPADM—AAP Administration Process
AUDIT—Audit Process (only central site master and field sites)
AUDIO—Audio Process (only central site master)
BCAST—Bcaster Process (only central site master and central site slave)
CI—CAUCS Interface Process (only central site master)
ISDN0—Number zero ISDN Process
ISDN1—Number one ISDN Process
ISDN2—Number two ISDN Process (only central site master and central site slave)
ISDN3—Number three ISDN Process (only central site slave)
ISDN4—Number four ISDN Process (only central site slave)
LANCMD—Local Area Network (LAN) Commands Process Group (only central site master and field sites)
LANADM—LAN Administration Process (only central site master and field sites)
MI—Maintenance Interface Process (only central site master and field sites).

* UNIX is a registered trademark of Novell, Inc.

Input Message Acknowledgements

IP	In Progress. Request received and initiated. Further output will follow.
RL	Repeat Later. Request cannot be executed now due to UI job queue being full. Use message OP:JOB to list UI jobs on queue. Use message STOP:JOB to remove any unnecessary UI jobs.
?A	Action field contains an error. An error in the first field of the message.
?E	Syntax error exists in the message but cannot be resolved to the proper field.
?L	The maximum message length of 157 characters has been exceeded.
?T	Time-out has occurred on the message. Input has not been received in 180 seconds, and processing of the message has been aborted.

References

STOP:AAP
OP:JOB
STOP:JOB

Maintenance Messages

MTCASN:ANN Message

```
MTCASN:[SCS a,SCU b,]ANN c,AA d:ANN e!
```

Site Type

Central Site Master, Field Site

Purpose

Assigns a specified announcement to an Announcement Mapping Address in Announcement Set N. An assign will be attempted to any specified SCS/SCU even if it is out of service or disabled. Assign failures will not be put into the ANNUPD database.

Explanation of Arguments

- a** Service Circuit System (single value 0-7; default all).
- b** Service Circuit Unit (single value 0-15; default all).
- c** Current Announcement ID (single value 1-65535).
- d** Announcement Mapping Address (single value 1-511).
- e** New Announcement ID (single value 1-65535).

⇒ NOTE:

Announcements within the range of 2001-20017 are reserved for internal SCU use only. Any attempt to use an announcement within this range will result in generating SCU error (65303 or 0xFF17).

Input Message Acknowledgements

IP	In Progress. Request received and initiated. Further output will follow.
RL	Repeat Later. Request cannot be executed now due to UI job queue being full. Use message OP:JOB to list UI jobs on queue. Use message STOP:JOB to remove any unnecessary UI jobs.
?I, colon	The identification field is missing a colon.
?I, comma	The identification field is missing a comma.
?I, SCS	SCS keyword is missing and must be entered.
?I, SCS number	Invalid SCS number is missing and must be entered. Value must be a number within the specified range (0-7).
?I, SCS a	Invalid SCS was entered. Value must be a number within the specified range (0-7). The "a" is the invalid value that was entered.
?I, SCU	SCU keyword is missing and must be entered.
?I, SCU number	Invalid SCU number is missing and must be entered. Value must be a number within the specified range (0-15).
?I, SCU b	Invalid SCU was entered. Value must be a number within the specified range (0-15). The "b" is the invalid value that was entered.
?I, ANN	Announcement ID keyword is missing and must be entered.
?I, ANN number	Announcement ID number is missing and must be entered. Value must be a number within the specified range (1-65535).
?I, ANN c	Invalid Announcement ID was entered. Value must be a number within the specified range (1-65535). The "c" is the invalid value that was entered.
?I, AA	Announcement Mapping Address keyword is missing and must be entered.
?I, AA number	Announcement Mapping Address number is missing and must be entered. Value must be a number within the specified range (1-511).
?I, ANN d	Invalid Announcement Mapping Address was entered. Value must be a number within the specified range (1-65535). The "d" is the invalid value that was entered.

?D, ANN	Announcement ID keyword is missing and must be entered.
?D, ANN number	Announcement ID number is missing and must be entered. Value must be a number within the specified range (1-65535).
?D, ANN e	Invalid Announcement ID was entered. Value must be a number within the specified range (1-65535). The "e" is the invalid value that was entered.
?E	Syntax error exists in the message but cannot be resolved to the proper field.
?L	The maximum message length of 157 characters has been exceeded.
?T	Time-out has occurred on the message. Input has not been received in 180 seconds, and processing of the message has been aborted.

References

MTCCOPY:ANN
MTCRCD:ANN
MTCRMV:ANN
MTCRPLC:ANN
MTCVER:MODE1
MTCVER:MODE2
MTCVER:MODE3
MTCVER:MODE4
OP:JOB
STOP:JOB

MTCCOPY:ANN Message

```
MTCCOPY:ANNSET a,SCS b,SCU c,ANN d:[ANNSET e,]SCS f,SCU g,[DISK  
h,][RAM,]ANN i,ANNVER "j"!
```

Site Type

Central Site Master, Field Site

Purpose

Copy a specified announcement in an Announcement Set to another specified announcement in the same or different Announcement Set. A copy will be attempted to any specified SCS/SCU even if it is out of service or disabled.

Explanation of Arguments

- | | |
|------------|--|
| a | From Announcement Set (single value A-Z). |
| b | From Service Circuit System (single value 0-7). |
| c | From Service Circuit Unit (single value 0-15). |
| d | From Announcement ID (single value 1-65535). |
| e | To Announcement Set (single value A-Z; default = From Announcement Set). |
| f | To Service Circuit System (single value 0-7). |
| g | To Service Circuit Unit (single value 0-15). |
| h | To Disk Pair (single value 0-3; default 0). |
| RAM | Announcement will be loaded in Announcement Memory and disks. If not present, will only be loaded on disk. |
| i | To Announcement ID (single value 1-65535). |

⇒ NOTE:

Announcements within the range of 2001-20017 are reserved for internal SCU use only. Any attempt to use an announcement within this range will result in generating SCU error (65303 or 0xFF17).

j Announcement Version number contains four uppercase alphanumeric characters and must be surrounded by quotation marks (" "). Cannot be the string "NONE."

Input Message Acknowledgements

IP	Input Progress. Request received and initiated. Further output will follow.
RL	Repeat Later. Request cannot be executed now due to UI job queue being full. Use message OP:JOB to list UI jobs on queue. Use message STOP:JOB to remove any unnecessary UI jobs.
?I, colon	The identification field is missing a colon.
?I, comma	The identification field is missing a comma.
?I, ANNSET	Announcement Set name is missing and must be entered.
?I,ANNSET name	Announcement Set name is missing and must be entered. Value must be a single uppercase letter.
?I, SCS	Service Circuit System keyword is missing and must be entered.
?, SCS number	Invalid Service Circuit System number is missing and must be entered. Value must be a number within the specified range (0-7).
?I, SCS b	Invalid Service Circuit System was entered. Value must be a number within the specified range (0-7). The "b" is the invalid value that was entered.
?I, SCU	Service Circuit Unit keyword is missing and must be entered.
?I, SCU number	Invalid Service Circuit Unit number is missing and must be entered. Value must be a number within the specified range (0-15).
?, SCU c	Invalid Service Circuit Unit was entered. Value must be a number within the specified range (0-15). The "c" is the invalid value that was entered.
?I, ANN	Announcement ID keyword is missing and must be entered.
?I, ANN number	Announcement ID number is missing and must be entered. Value must be a number within the specified range (1-65535).
?I, ANN d	Invalid Announcement ID was entered. Value must be a number within the specified range (1-65535). The "d" is the invalid value that was entered.

?D, ANNSET	Announcement Set keyword is missing and must be entered.
?D,ANNSET name	Announcement Set name is missing and must be entered. Value must be a single uppercase letter.
?D,SCS	Service Circuit System keyword is missing and must be entered.
?D,SCS number	Invalid Service Circuit System number is missing and must be entered. Value must be a number within the specified range (0-7).
?D,SCS f	Invalid Service Circuit System was entered. Value must be a number within the specified range (0-7). The "f" is the invalid value that was entered.
?D,SCU	Service Circuit unit keyword is missing and must be entered.
?D, SCU number	Invalid Service Circuit Unit number is missing and must be entered. Value must be a number within the specified range (0-15).
?D,SCU g	Invalid Service Circuit Unit was entered. Value must be a number within the specified range (0-15). The "g" is the invalid value that was entered.
?D,DISK number	Disk pair number is missing and must be entered. Value must be a number within the specified range (0-3).
?D,DISK h	Invalid Disk Pair was entered. Value must be a number within the specified range (0-3). The "h" is the invalid value that was entered.
?D,RAM	RAM keyword is missing and must be entered.
?D,comma	The data field is missing a comma.
?D,ANN	Announcement ID keyword is missing and must be entered.
?D,ANN number	Announcement ID number is missing and must be entered. Value must be a number within the specified range (1-65535).
?D,ANN i	Invalid Announcement ID was entered. Value must be a number within the specified range (1-65535). The "i" is the invalid value that was entered.
?D,ANNVER	Announcement Version keyword is missing and must be entered.
?D,ANNVER number	Announcement Version number is missing and must be entered. Value must be four uppercase alphanumeric characters and cannot be the string "NONE."

?D,ANNVER j	Invalid Announcement Version number was entered. Value must be four uppercase alphanumeric characters and cannot be the string "NONE." The "j" is the invalid value that was entered.
?E	Syntax error exists in the message but cannot be resolved to the proper field.
?L	The maximum message length of 157 characters has been exceeded.
?T	Time-out has occurred on the message. Input has not been received in 180 seconds, and processing of the message has been aborted.

References

MTCASN:ANN
MTCRCD:ANN
MTCRMV:ANN
MTCRPLC:ANN
MTCVER:MODE1
MTCVER:MODE2
MTCVER:MODE3
MTCVER:MODE4
OP:JOB
STOP:JOB

MTCPOLL:ANNSET

```
MTCPOLL:ANNSET a[,SCS b,SCU c][,LANCONT d]!
```

Site Type

Central Site Master, Field Site

Purpose

Poll a specified announcement set. A poll will be attempted to any specified SCS/SCU even if it is out of service or disabled.

Explanation of Arguments

- | | |
|----------|---|
| a | From Announcement Set (single value A-Z). |
| b | From Service Circuit System (single value 0-7). |
| c | From Service Circuit Unit (single value 0-15). |
| d | LAN controller number (single value 0-1; default active LAN). |

Input Message Acknowledgements

- | | |
|-----------------------|---|
| IP | In Progress. Request received and initiated. Further output will follow. |
| RL | Repeat Later. Request cannot be executed now due to UI job queue being full. Use message OP:JOB to list UI jobs on queue. Use message STOP:JOB to remove any unnecessary UI jobs. |
| I, comma | The identification field is missing a comma. |
| ?I, ANNSET | Announcement Set keyword is missing and must be entered. |
| ?I,ANNSET name | Announcement Set name is missing and must be entered. Value must be a single uppercase letter. |
| ?I, SCS | SCS keyword is missing and must be entered. |
| ?I, SCS number | Invalid SCS number is missing and must be entered. Value must be a number within the specified range (0-7). |

?I, SCS b	Invalid SCS was entered. Value must be a number within the specified range (0-7). The "b" is the invalid value that was entered.
?I, SCU	SCU keyword is missing and must be entered.
?I, SCU number	Invalid SCU number is missing and must be entered. Value must be a number within the specified range (0-15).
?I, SCU c	Invalid SCU was entered. Value must be a number within the specified range (0-15). The "c" is the invalid value that was entered.
?I, LANCONT	LAN controller keyword is missing and must be entered.
?I, LANCONT number	LAN controller number is missing and must be entered. Value must be a number within the specified range (0-15).
?I, LANCONT d	Invalid LAN controller number was entered. Value must be a number within the specified range (0-15). The "d" is the invalid value that was entered.
?E	Syntax error exists in the message but cannot be resolved to the proper field.
?L	The maximum message length of 157 characters has been exceeded.
?T	Time-out has occurred on the message. Input has not been received in 180 seconds, and processing of the message has been aborted.

References

OP:JOB
STOP:JOB

MTCRCD:ANN Message

```
MTCRCD:ANNSET a[,SCS b,SCU c][,DISK d][,RAM]:ANN e,ANNVER "f"LEN  
g|FILE h"}!
```

Site Type

Central Site Master, Field Site

Purpose

Records a specified announcement to a specified Announcement Set from a tape player/handset or a specified announcement file in "/usr/aap/anncbkup" or "/usr/aap/tmp" directory. The announcement file must be created using the VER:MODE2 or RFILE message. A record will be attempted to any specified SCS/SCU even if it is out of service or disabled. Record failures will not be put into the ANNUPD database.

Explanation of Arguments

- a** Announcement Set (single value A-Z).
- b** Service Circuit System (single value 0-7; default all).
- c** Service Circuit Unit (single value 0-15; default all).
- d** Disk pair (single value 0-3; default 0).

⇒ NOTE:

When the RAM argument is specified, the value of the Disk Pair will be forced to 0 even though a different value may be specified.

- RAM** Announcement will be loaded in Announcement Memory and disks. If not present, will only be loaded on disk.
- e** Announcement ID (single value 1-65535).

⇒ NOTE:

Announcements within the range of 2001-20017 are reserved for internal SCU use only. Any attempt to use an announcement within this range will result in generating SCU error (65303 or 0xFF17).

- f** Announcement Version number contains four uppercase alphanumeric characters and must be surrounded by quotation marks (" "). Cannot be the string "NONE."
- g** Length of announcement in seconds (0-261). Zero is a half second announcement.
- h** Input (from AAP to SCS) announcement file. Announcement filename can contain upper/lower case alphanumeric characters, periods (.), and underlines (_) and must be surrounded by quotation marks (" ").

Input Message Acknowledgements

- IP** In Progress. Request received and initiated. Further output will follow.
- RL** Repeat Later. Request cannot be executed now due to UI job queue being full. Use message **OP:JOB** to list UI jobs on queue. Use message **STOP:JOB** to remove any unnecessary UI jobs.
- ?I, colon** The identification field is missing a colon.
- ?I, comma** The identification field is missing a comma.
- ?I, ANNSET** Announcement Set name is missing and must be entered.
- ?I,ANNSET name** Announcement Set name is missing and must be entered. Value must be a single uppercase letter.
- ?I,SCS and/or DISK and/or RAM** One or more of the following keywords are missing and must be entered: SCS, DISK, and RAM.
- ?I, SCS** Service Circuit System keyword is missing and must be entered.
- ?I, SCS number** Invalid Service Circuit System number is missing and must be entered. Value must be a number within the specific range (0-7).
- ?I, SCS b** Invalid SCS was entered. Value must be a number within the specified range (0-7). The "b" is the invalid value that was entered.
- ?I, SCU** Service Circuit Unit keyword is missing and must be entered.
- ?I, SCU number** Invalid Service Circuit Unit number is missing and must be entered. Value must be a number within the specified range (0-15).

?I, SCU c	Invalid SCU was entered. Value must be a number within the specified range (0-15). The "c" is the invalid value that was entered.
?I, DISK number	Disk pair number is missing and must be entered. Value must be a number within the specified range (0-3).
?I, DISK d	Invalid Disk Pair was entered. Value must be a number within the specified range (0-3). The "d" is the invalid value that was entered.
?I, RAM	RAM keyword is missing and must be entered.
?D, comma	The data field is missing a comma.
?D, ANN	Announcement ID keyword is missing and must be entered.
?D, ANN number	Announcement ID number is missing and must be entered. Value must be a number within the specified range (1-65535).
?D, ANN e	Invalid Announcement ID was entered. Value must be a number within the specified range (1-65535). The "e" is the invalid value that was entered.
?D, ANNVER	Announcement Version keyword is missing and must be entered.
?D,ANNVER number	Announcement Version number is missing and must be entered. Value must be four uppercase alphanumeric characters and cannot be the string "NONE."
?D,ANNVER f	Invalid Announcement Version number was entered. Number must be four alphanumeric characters and cannot be the string "NONE." The "f" is the invalid value that was entered.
?D, LEN or FILE	Length or File keyword is missing and must be entered.
?D, LEN number	Length number is missing and must be entered. Value must be a number within the specified range (0-261).
?D, LEN g	Invalid Length was entered. Value must be a number within the specified range (0-261). The "g" is the invalid value that was entered.
?D, FILE name	File name is missing and must be entered. Announcement file name can contain uppercase and lowercase alphanumeric characters, periods (.), and underlines (_) and must be surrounded by quotation marks (" ").

?E	Syntax error exists in the message length but cannot be resolved to the proper field.
?L	The maximum message length of 157 characters has been exceeded.
?T	Time-out has occurred on the message. Input has not been received in 180 seconds, and processing of the message has been aborted.

References

MTCASN:ANN
MTCCOPY:ANN
MTCRMV:ANN
MTCRPLC:ANN
MTCVER:MODE1
MTCVER:MODE2
MTCVER:MODE3
MTCVER:MODE4
OP:JOB
STOP:JOB

MTCRMV:ANN Message

```
MTCRMV:ANNSET a[,SCS b,SCU c]:ANN d!
```

Site Type

Central Site Master, Field Site

Purpose

Removes a specified announcement from a specified Announcement Set. A remove will be attempted to any specified SCS/SCU even if it is out of service or disabled. Remove failures will not be put into the ANNUPD database.

Explanation of Arguments

- a** Announcement Set (single value A-Z).
- b** SCS (single value 0-7; default all).
- c** SCU (single value 0-15; default all).
- d** Announcement ID (single value 1-65535).

⇒ NOTE:

Announcements within the range of 2001-20017 are reserved for internal SCU use only. Any attempt to use an announcement within this range will result in generating SCU error (65303 or 0xFF17).

Input Message Acknowledgements

- IP** In Progress. Request received and initiated. Further output will follow.
- RL** Repeat Later. Request cannot be executed now due to UI job queue being full. Use message **OP:JOB** to list UI jobs on queue. Use message **STOP:JOB** to remove any unnecessary UI jobs.
- ?!, colon** The identification field is missing a colon.

?I, comma	The identification field is missing a comma.
?I, ANNSET	Announcement Set name is missing and must be entered.
?I,ANNSET name	Announcement Set name is missing and must be entered. Value must be a single uppercase.
?I, SCS	Service Circuit System keyword is missing and must be entered.
?SCS	Invalid Service Circuit System number is missing and must be entered. Value must be a number within the specified range (0-7).
?I, SCS b	Invalid Service Circuit System was entered. Value must be a number within the specified range (0-7). The "b" is the invalid value that was entered.
?I, SCU	Service Circuit Unit keyword is missing and must be entered.
?I, SCU number	Invalid Service Circuit Unit number is missing and must be entered. Value must be a number within the specified range (0-15).
?I, SCU c	Invalid Service Circuit Unit was entered. Value must be a number within the specified range (0-15). The "c" is the invalid value that was entered.
?D, ANN	Announcement ID keyword is missing and must be entered.
?D, ANN number	Announcement ID number is missing and must be entered. Value must be a number within the specified range (1-65535).
?D, ANN d	Invalid Announcement ID was entered. Value must be a number within the specified range (1-65535). The "d" is the invalid value that was entered.
?E	Syntax error exists in the message but cannot be resolved to the proper field.
?L	The maximum message length of 157 characters has been exceeded.
?T	Time-out has occurred on the message. Input has not been received in 180 seconds, and processing of the message has been aborted.

References

MTCASN:ANN
MTCCOPY:ANN
MTCRCD:ANN
MTCRPLC:ANN
MTCVER:MODE1
MTCVER:MODE2
MTCVER:MODE3
MTCVER:MODE4
OP:JOB
STOP:JOB

MTCRPLC:ANN Message

```
MTCRPLC:ANNSET a, [SCS b, SCU c, ]ANN d, ANNVER "e":ANN f!
```

Site Type

Central Site Master, Field Site

Purpose

Replaces (swaps) a specified announcement (announcement text, version, length, checksum, and so on) in the same Announcement Set. A replacement will be attempted to any specified SCS/SCU even if it is out of service or disabled. Replacement failures will not be put into the ANNUPD database.

Explanation of Arguments

- a** Announcement Set (single value A-Z).
- b** Service Circuit System (single value 0-7; default all).
- c** Service Circuit Unit (single value 0-15; default all).
- d** Current Announcement ID (single value 1-65535).

⇒ NOTE:

Announcements within the range of 2001-20017 are reserved for internal SCU use only. Any attempt to use an announcement within this range will result in generating SCU error (65303 or 0xFF17).

- e** Announcement Version number contains four uppercase alphanumeric characters and must be surrounded by quotation marks (" "). Cannot be the string "NONE."
- f** New Announcement ID (single value 1-65535).

Input Message Acknowledgements

IP	In Progress. Request received and initiated. Further output will follow.
RL	Repeat Later. Request cannot be executed now due to UI job queue being full. Use message OP:JOB to list UI jobs on queue. Use message STOP:JOB to remove any unnecessary UI jobs.
?I, colon	The identification field is missing a colon.
?I, comma	The identification field is missing a comma.
?I, ANNSET	Announcement Set name is missing and must be entered.
?I,ANNSET name	Announcement Set name is missing and must be entered. Value must be a single uppercase letter.
?SCS number	Invalid Service Circuit System number is missing and must be entered. Value must be a number within the specified range (0-7).
?I, SCS b	Invalid Service Circuit System was entered. Value must be a number within the specified range (0-7). The "b" is the invalid value that was entered.
?I, SCU	Service Circuit Unit keyword is missing and must be entered.
?I, SCU number	Invalid Service Circuit Unit number is missing and must be entered. Value must be a number within the specified range (0-15).
?SCU c	Invalid Service Circuit Unit was entered. Value must be a number within the specified range (0-15). The "c" is the invalid value that was entered.
?I, ANN	Announcement ID keyword is missing and must be entered.
?I, ANN number	Announcement ID number is missing and must be entered. Value must be a number within the specified range (1-65535).
?I, ANN d	Invalid Announcement ID was entered. Value must be a number within the specified range (1-65535). The "d" is the invalid value that was entered.
?I, ANNVER	Announcement version keyword is missing and must be entered.
?I, ANNVER number	Announcement version number is missing and must be entered. Value must be four uppercase alphanumeric characters and cannot be the string "None".

?I, ANNVER e	Invalid Announcement Version number was entered. Value must be four uppercase alphanumeric characters and cannot be the string "None". The "e" is the invalid value that was entered.
?D, ANN	Announcement ID keyword is missing and must be entered.
?D, ANN number	Announcement ID number is missing and must be entered. Value must be a number within the specified range (1-65535).
?D, ANN f	Invalid Announcement ID was entered. Value must be a number within the specified range (1-65535). The "f" is the invalid that was entered.
?D	Syntax error exists within the data field of the message.
?E	Syntax error in the message but cannot be resolved to the proper field.
?L	The maximum message length of 157 characters has been exceeded.
?T	Time-out has occurred on the message. Input has not been received in 180 seconds, and processing of the message has been aborted.

References

MTCASN:ANN
MTCCOPY:ANN
MTCRCD:ANN
MTCRMV:ANN
MTCVER:MODE1
MTCVER:MODE2
MTCVER:MODE3
MTCVER:MODE4
OP:JOB
STOP:JOB

MTCVER:MODE1 Message

```
MTCVER:MODE1,ANNSET a[,SCS b,SCU c][;[DETL][,UCL]]:ANN {f|f-g}!
```

Site Type

Central Site Master, Field Site

Purpose

Verify a specified announcement or range of announcements in a specified Announcement Set for a version, length, bit-by-bit comparison, and Cyclic Redundancy Checksum (CRC). A verify will be attempted to any specified SCS/SCU even if it is out of service or disabled.

Explanation of Arguments

a	Announcement Set (single value A-Z).
b	SCS (single value 0-7; default all).
c	SCU (single value 0-15; default all).
f, f-g	Announcement ID (single value 1-65535 or range of values).
DETL	Output detailed Pass/Fail and Errors. If not present, output summary of Pass/Fail and Errors.
UCL	Output all Errors. If not present, output first Error and quit.

Input Message Acknowledgements

IP	In Progress. Request received and initiated. Further output will follow.
RL	Repeat Later. Request cannot be executed now due to UI job queue being full. Use message OP:JOB to list UI jobs on queue. Use message STOP:JOB to remove any unnecessary UI jobs.
?I, colon	The identification field is missing a colon.
?I, comma	The identification field is missing a comma.

?I, MODE	Mode keyword is missing and must be entered.
?I, ANNSET	Announcement Set keyword is missing and must be entered.
?I,ANNSET name	Announcement Set name is missing and must be entered. Value must be a single uppercase letter.
?I, SCS	Service Circuit System keyword is missing and must be entered.
? SCS number	Invalid Service Circuit System number is missing and must be entered. Value must be a number within the specified range (0-7).
?I, SCS b	Invalid SCS was entered. Value must be a number within the specified range (0-7). The "b" is the invalid value that was entered.
?I, SCU	Service Circuit Unit keyword is missing and must be entered.
?I, SCU number	Invalid Service Circuit Unit number is missing and must be entered. Value must be a number within the specified range (0-15).
?I, SCU c	Invalid SCU was entered. Value must be a number within the specified range (0-15). The "c" is the invalid value that was entered.
?I,DETL and/or UCL	One or more of the following keywords are missing and must be entered: DETL and UCL.
?I, UCL	UCL keyword is missing and must be entered.
?D, ANN	Announcement ID keyword is missing and must be entered.
?D, ANN number	Announcement ID number is missing and must be entered. Value must be a number within the specified range (1-65535) or range of values. If a range of numbers is specified, the first must be less than the second value.
?D, ANN f	Invalid Announcement ID was entered. Value must be a number within the specified range (1-65535). The "f" is the invalid value that was entered.
?D	Syntax error exists within the data field of the message.
?E	Syntax error exists in the message but cannot be resolved to the proper field.
?L	The maximum message length of 157 characters has been exceeded.

?T Time-out has occurred on the message. Input has not been received in 180 seconds, and processing of the message has been aborted.

References

OP:JOB
STOP:JOB

MTCVER:MODE2 Message

```
MTCVER:MODE2,ANNSET a[,SCS b,SCU c][;FILE "e"]:ANN f!
```

Site Type

Central Site Master, Field Site

Purpose

Verify a specified announcement in a specified Announcement Set by playing the audio data to the speaker/handset or copying the audio data to a specified file in the directory "/usr/aap/tmp". Announcement files are recorded to SCUs using the RCD:ANN message. A verify will be attempted to any specified SCS/SCU even if it is out of service or disabled.

Explanation of Arguments

a	Announcement Set (single value A-Z).
b	SCS (single value 0-7; default all).
c	SCU (single value 0-15; default all).
e	Output (from SCS to AAP) announcement file. Announcement filename can contain uppercase/lowercase alphanumeric characters, periods (.), and underlines (_), and must be surrounded by quotation marks (" ").
f	Announcement ID (single value 1-65535).

Input Message Acknowledgements

IP	In Progress. Request received and initiated. Further output will follow.
RL	Repeat Later. Request cannot be executed now due to UI job queue being full. Use message OP:JOB to list jobs on queue. Use message STOP:JOB to remove any unnecessary UI jobs.
?!, colon	The identification field is missing a colon.

?I, comma	The identification field is missing a comma.
?I, MODE	Mode keyword is missing and must be entered.
?I, ANNSET	Announcement Set keyword is missing and must be entered.
?I,ANNSET name	Announcement Set name is missing and must be entered. Value must be a single uppercase letter.
?I, SCS	Service Circuit System keyword is missing and must be entered.
? SCS number	Invalid Service Circuit System number is missing and must be entered. Value must be a number within the specified range (0-7).
?I, SCS b	Invalid Service Circuit System was entered. Value must be a number within the specified range (0-7). The "b" is the invalid value that was entered.
?I, SCU	Service Circuit Unit keyword is missing and must be entered.
?I, SCU number	Invalid Service Circuit Unit number is missing and must be entered. Value must be a number within the specified range (0-15).
?I, SCU c	Invalid Service Circuit Unit was entered. Value must be a number within the specified range (0-15). The "c" is the invalid value that was entered.
?D, FILE	File keyword is missing and must be entered.
?D, FILE name	File name is missing and must be entered. Announcement filename can contain uppercase/lowercase alphanumeric characters, periods (.), and underlines (_), and must be surrounded by quotation marks (" ").
?D, ANN	Announcement ID keyword is missing and must be entered.
?D, ANN number	Announcement ID number is missing and must be entered. Value must be a number within the specified range (1-65535).
?D, ANN f	Invalid Announcement ID was entered. Value must be within the specified range (1-65535). The "f" is the invalid value that was entered.
?D	Syntax error exists within the data field of the message.
?E	Syntax error exists in the message but cannot be resolved to the proper field.

- ?L The maximum message length of 157 characters has been exceeded.
- ?T Time-out has occurred on the message. Input has not been received in 180 seconds, and processing of the message has been aborted.

References

OP:JOB
STOP:JOB

MTCVER:MODE3 Message

```
MTCVER:MODE3,ANNSET a[,SCS b,SCU c][;DETL][,UCL]:ANN {f|f-g}!
```

Site Type

Central Site Master, Field Site

Purpose

Verify a specified announcement or range of announcements in a specified Announcement Set for version, length, and CRC. A verify will be attempted to any specified SCS/SCU even if it is out of service or disabled.

Explanation of Arguments

a	Announcement Set (single value A-Z).
b	SCS (single value or 0-7; default all).
c	SCU (single value or 0-15; default all).
f, f-g	Announcement ID (single value 1-65535 or range of values).
DETL	Output detailed Pass/Fail and Errors. If not present, output summary of Pass/Fail and Errors.
UCL	Output all errors. If not present, output first error and quit.

Input Message Acknowledgements

IP	In Progress. Request received and initiated. Further output will follow.
RL	Repeat Later. Request cannot be executed now due to UI job queue being full. Use message OP:JOB to list UI jobs on queue. Use message STOP:JOB to remove any unnecessary UI jobs.
?I, colon	The identification field is missing a colon.
?I, comma	The identification field is missing a comma.
?I, MODE	Mode keyword is missing and must be entered.

?I, ANNSET	Announcement Set keyword is missing and must be entered.
?I,ANNSET name	Announcement Set name is missing and must be entered. Value must be a single uppercase letter.
?I, SCS	Service Circuit System keyword is missing and must be entered.
?I, SCS number	Invalid Service Circuit System number is missing and must be entered. Value must be a number within the specified range (0-7).
?I, SCS b	Invalid SCS was entered. Value must be a number within the specified range (0-7). The "b" is the invalid value that was entered.
?I, SCU	Service Circuit Unit keyword is missing and must be entered.
?I, SCU number	Invalid Service Circuit Unit number is missing and must be entered. Value must be a number within the specified range (0-15).
?I, SCU c	Invalid SCU was entered. Value must be a number within the specified range (0-15). The "c" is the invalid value that was entered.
?I, DETL	
?and/or UCL	One or more of the following keywords is missing and must be entered: DETL and UCL.
?I, UCL	UCL keyword is missing and must be entered.
?D, ANN	Announcement ID keyword is missing and must be entered.
?D, ANN number	Announcement ID number is missing and must be entered. Value must be a number within the specified range (1-65535) or range of values. If a range of numbers is specified, the first value must be less than the second value.
?D, ANN f	Invalid Announcement ID was entered. Value must be within the specified range (1-65535) or range of values. If a range of numbers is specified, the first value must be less than the second value. The "f" is the invalid value that was entered.
?D	Syntax error exists within the data field of the message.
?E	Syntax error exists in the message but cannot be resolved to the proper field.
?L	The maximum message length of 157 characters has been exceeded.

?T Time-out has occurred on the message. Input has not been received in 180 seconds, and processing of the message has been aborted.

References

OP:JOB
STOP:JOB

MTCVER:MODE4 Message

```
MTCVER:MODE4,ANNSET a[,SCS b,SCU c][;UCL]:ANN {d|d-e}!
```

Site Type

Central Site Master, Field Site

Purpose

Verify a specified announcement or range of announcements in a specified Announcement Set for bit-by-bit comparison. A verify will be attempted to any specified SCS/SCU even if it is out of service or disabled.

Explanation of Arguments

a	Announcement Set (single value A-Z).
b	SCS (single value 0-7; default all).
c	SCU (single value 0-15; default all).
d, d-e	Announcement ID (single value 1-65535 or range of values).
UCL	Output all errors. If not present, output first and quit.

Input Message Acknowledgements

IP	In Progress. Request received and initiated. Further output will follow.
RL	Repeat Later. Request cannot be executed now due to UI job queue being full. Use message OP:JOB to list UI jobs on queue. Use message STOP:JOB to remove any unnecessary UI jobs.
?I, colon	The identification field is missing a colon.
?I, comma	The identification field is missing a comma.
?I, MODE	Mode keyword is missing and must be entered.
?I, ANNSET	Announcement Set keyword is missing and must be entered.

?I,ANNSET name	Announcement Set name is missing and must be entered. Value must be a single uppercase letter.
?I, SCS	Service Circuit System keyword is missing and must be entered.
?I, SCS number	Service Circuit System number is missing and must be entered. Number must be in the range (0-7).
?L, SCS b	Invalid SCS was entered. Value must be a number within the specified range (0-7). The "b" is the invalid value that was entered.
?I, SCU	Service Circuit Unit keyword is missing and must be entered. Service Circuit Unit number is missing and must be entered. Number must be in the range (0-15).
?I, SCU c	Invalid SCU was entered. Value must be a number within the specified range (0-15). The "c" is the invalid value that was entered.
?I, UCL	UCL keyword is missing and must be entered.
?D, ANN	Announcement ID number is missing and must be entered.
?D, ANN number	Announcement ID number is missing and must be entered. Value must be a number within the specified range (1-165535) or range of values. If a range of numbers is specified, the first value must be less than the second value.
?D, ANN d	Invalid Announcement ID was entered. Value must be a number within the specified range (1-65535) or range of values. If a range of numbers is specified, the first value must be less than the second value. The "d" is the invalid value that was entered.
?D	Syntax error exists within the data field of the message.
?E	Syntax error exists in the message but cannot be resolved to the proper field.
?L	The maximum message length of 157 characters has been exceeded.
?T	Time-out has occurred on the message. Input has not been received in 180 seconds, and processing of the message has been aborted.

References

OP:JOB
STOP:JOB

MTCVER:MODE6 Message

```
MTCVER:MODE6[,SCS b,SCU c][;[DETL][,UCL]]:AA {e|e-f}!
```

Site Type

Central Site Master, Field Site

Purpose

Verify a specified Announcement Mapping Address or range of Announcement Mapping Addresses in Announcement Set N. A verify will be attempted to any specified SCS/SCU even if it is out of service or disabled.

Explanation of Arguments

b	SCS (single value 0-7; default all).
c	SCU (single value 0-15; default all).
e, e-f	Announcement Mapping Address (single value 1-511 or range of values).
DETL	Output detailed Pass/Fail and Errors. If not present, output summary of Pass/Fail and Errors.
UCL	Output all errors. If not present, output first error and quit.

Input Message Acknowledgements

IP	In Progress. Request received and initiated. Further output will follow.
RL	Repeat Later. Request cannot be executed now due to UI job queue being full. Use message OP:JOB to list UI jobs on queue. Use message STOP:JOB to remove any unnecessary UI jobs.
?I, colon	The identification field is missing a colon.
?I, comma	The identification field is missing a comma.
?I, MODE	Mode keyword is missing and must be entered.
?I, SCS	Service Circuit System keyword is missing and must be entered.

?I, SCS number	Invalid Service Circuit System number is missing and must be entered. Value must be a number within the specified range (0-7).
?I, SCS b	Invalid SCS was entered. Value must be a number within the specified range (0-7). The "b" is the invalid value that was entered.
?I, SCU	Service Circuit Unit keyword is missing and must be entered.
?I, SCU number	Invalid Service Circuit Unit number is missing and must be entered. Value must be a number within the specified range (0-15).
?I, SCU c	Invalid SCU was entered. Value must be a number within the specified range (0-15). The "c" is the invalid value that was entered.
?I, DETL and/or UCL	One or more of the following keywords is missing and must be entered: DETL and UCL.
?I, UCL	UCL keyword is missing and must be entered.
?D, AA	Announcement Mapping Address keyword is missing and must be entered.
?D, AA number	Announcement ID number or range of numbers is missing and must be entered. Value must be a number within the specified range (1-511). If a range of numbers is specified, the first value must be less than the second value.
?D	Syntax error exists within the data field of the message.
?E	Syntax error exists in the message but cannot be resolved to the proper field.
?L	The maximum message length of 157 characters has been exceeded.
?T	Time-out has occurred on the message. Input has not been received in 180 seconds, and processing of the message has been aborted.

References

OP:JOB
STOP:JOB

Output Messages

OP:ANNUPD Message

OP:ANNUPD!

Site Type

Central Site Master, Field Site

Purpose

Outputs information in the Announcement Update (ANNUPD) database.

Explanation of Arguments

None

Input Message Acknowledgements

IP	In Progress. Request received and initiated. Further output will follow.
RL	Repeat Later. Request cannot be executed now due to UI job queue being full. Use message OP:JOB to list UI jobs on queue. Use message STOP:JOB to remove any unnecessary UI jobs.
?I	Syntax error exists within the identification field of the message.
?E	Syntax error exists in the message but cannot be resolved to the proper field.
?L	The maximum message length of 157 characters has been exceeded.
?T	Time-out has occurred on the message. Input has not been received in 180 seconds, and processing of the message has been aborted.

References

CLR:ANNUPD
OP:JOB
STOP:JOB

OP:AUDIT Message

OP:AUDIT!

Site Type

Central Site Master, Field Site

Purpose

Outputs information in the Audit (AUDIT) database.

Explanation of Arguments

None

Input Message Acknowledgements

IP	In Progress. Request received and initiated. Further output will follow.
RL	Repeat Later. Request cannot be executed now due to UI job queue being full. Use message OP:JOB to list UI jobs on queue. Use message STOP:JOB to remove any unnecessary UI jobs.
?I	Syntax error exists within the identification field of the message.
?E	Syntax error exists in the message but cannot be resolved to the proper field.
?L	The minimum message length of 157 characters has been exceeded.
?T	Time-out occurred on the message. Input has not been received in 180 seconds, and processing of the message has been aborted.

References

AUD
ALW:AUDIT
CLR:AUDIT
INH:AUDIT
RC:AUDIT
OP:JOB
STOP:JOB

OP:BCASTER Message

OP:BCASTER!

Site Type

Central Site Master

Purpose

Outputs BCASTER process information (only central site master). The process will be displayed in an autonomous message.

Explanation of Arguments

None

Input Message Acknowledgements

IP	In Progress. Request received and initiated. Further output will follow.
RL	Repeat Later. Request cannot be executed now due to UI job queue being full. Use message OP:JOB to list UI jobs on queue. Use message STOP:JOB to remove any unnecessary UI jobs.
?I	Syntax error exists within the identification field of the message.
?E	Syntax error exists in the message but cannot be resolved to the proper field.
?L	The maximum message length of 157 characters has been exceeded.
?T	Time-out has occurred on the message. Input has not been received in 180 seconds, and processing of the message has been aborted.

References

OP:JOB
STOP:JOB

OP:CAUCS Message

OP:CAUCS!

Site Type

Central Site Master

Purpose

Outputs information in the CAUCS database.

Explanation of Arguments

None

Input Message Acknowledgements

IP	In Progress. Request received and initiated. Further output will follow.
RL	Repeat Later. Request cannot be executed now due to UI job queue being full. Use message OP:JOB to list UI jobs on queue. Use message STOP:JOB to remove any unnecessary UI jobs.
?I	Syntax error exists within the identification field of the message.
?E	Syntax error exists in the message but cannot be resolved to the proper field.
?L	The maximum message length of 157 characters has been exceeded.
?T	Time-out has occurred on the message. Input has not been received in 180 seconds, and processing of the message has been aborted.

References

CLR:CAUCS
OP:JOB
STOP:JOB

OP:DISKVER Message

```
OP:DISKVER,ANNSET a[,SCS b,SCU c]!
```

Site Type

Central Site Master, Field Site

Purpose

Outputs disk version.

Explanation of Arguments

- | | |
|----------|---|
| a | Announcement Set (single value A-Z). |
| b | Service Circuit System (single value 0-7; default all). |
| c | Service Circuit Unit (single value 0-15; default all). |

Input Message Acknowledgements

- | | |
|-----------------------|---|
| IP | In Progress. Request received and initiated. Further output will follow. |
| RL | Repeat Later. Request cannot be executed now due to UI job queue being full. Use message OP:JOB to list UI jobs on queue. Use message STOP:JOB to remove any unnecessary UI jobs. |
| ?I, comma | The identification field is missing a comma. |
| ?I, ANNSET | Announcement Set Keyword is missing and must be entered. |
| ?I,ANNSET name | Announcement Set name is missing and must be entered. Value must be a single uppercase letter. |
| ?I, SCS | SCS keyword is missing and must be entered. |
| ?I, SCS number | Invalid SCS number is missing and must be entered. Value must be a number within the specified range (0-7). |
| ?I, SCS b | Invalid SCS was entered. Value must be a number within the specified range (0-7). The "b" is the invalid value that was entered. |

?I, SCU	SCU keyword is missing and must be entered.
?I, SCU number	Invalid SCU number is missing and must be entered. Value must be a number within the specified range (0-15).
?I, SCU c	Invalid SCU was entered. Value must be a number within the specified range (0-15). The "c" is the invalid value that was entered.
?D, comma	The data field is missing a comma.
?E	Syntax error exists in the message but cannot be resolved to the proper field.
?L	The maximum message length of 157 characters has been exceeded.
?T	Time-out has occurred on the message. Input has not been received in 180 seconds, and processing of the message has been aborted.

References

OP:JOB
STOP:JOB

OP:FSITE Message

OP:FSITE!

Site Type

Central Site Master

Purpose

Outputs information in the FSITE database.

Explanation of Arguments

None

Input Message Acknowledgements

IP	In Progress. Request received and initiated. Further output will follow.
RL	Repeat Later. Request cannot be executed now due to UI job queue being full. Use message OP:JOB to list UI jobs on queue. Use message STOP:JOB to remove any unnecessary UI jobs.
?I	Syntax error exists within the identification field of the message.
?E	Syntax error exists in the message but cannot be resolved to the proper field.
?L	The maximum message length of 157 characters has been exceeded.
?T	Time-out has occurred on the message. Input has not been received in 180 seconds, and processing of the message has been aborted.

References

CLR:FSITE
RC:FSITE
OP:JOB
STOP:JOB

OP:ISDN Message

OP:ISDN!

Site Type

Central Site Master, Field Site

Purpose

Outputs the ISDN process and board information (only central site master and field site). The process and board information will be displayed in an autonomous message.

Explanation of Arguments

None

Input Message Acknowledgements

IP	In Progress. Request received and initiated. Further output will follow.
RL	Repeat Later. Request cannot be executed now due to UI job queue being full. Use message OP:JOB to list UI jobs on queue. Use message STOP:JOB to remove any unnecessary UI jobs.
?I	Syntax error exists within the identification field of the message.
?E	Syntax error exists in the message but cannot be resolved to the proper field.
?L	The maximum message length of 157 characters has been exceeded.
?T	Time-out has occurred on the message. Input has not been received in 180 seconds, and processing of the message has been aborted.

References

OP:JOB
STOP:JOB

OP:JOB Message

OP:JOB!

Site Type

Central Site Master, Central Site Slave, Field Site

Purpose

Outputs queued UI jobs. The list of JOB IDs is not ordered.

Explanation of Arguments

None

Input Message Acknowledgements

OP:JOB! Completed

```
JOB      MESSAGE
106      RCD:ANNSET N ANN 1 ANNVER "AAP1" FILE "ANNC1"
107      VER:MODE2 ANNSET N ANN 1
105      RMV:ANNSET N ANN 1
```

03/19/93 09:24:19 CST #982

- ?A** Action field contains an error. An error in the first field of the message.
- ?E** Syntax error exists in the message but cannot be resolved to the proper field.
- ?I** Identification field contains an error. An error is in the second field of the message (to the right of the first colon).
- ?L** The maximum message length of 157 characters has been exceeded.

?T Time-out has occurred on the message. Input has not been received in 180 seconds, and processing of the message has been aborted.

References

STOP:JOB

OP:LOCOP Message

OP:LOCOP!

Site Type

Central Site Master, Field Site

Purpose

Outputs information in the Local Operations (LOCOP) database.

Explanation of Arguments

None

Input Message Acknowledgements

IP	In Progress. Request received and initiated. Further output will follow.
RL	Repeat Later. Request cannot be executed now due to UI job queue being full. Use message OP:JOB to list UI jobs on queue. Use message STOP:JOB to remove any unnecessary UI jobs.
I	Syntax error exists within the identification field message.
E	Syntax error exists in the message but cannot be resolved to the proper field.
L	The maximum message length of 157 characters has been exceeded.
T	Time-out has occurred on the message. Input has not been received in 180 seconds, and processing of the message has been aborted.

References

OP:JOB
STOP:JOB

OP:LOG Message

```
OP:LOG[:[DATE a[,TIME b]][,LIMIT c]]!
```

Site Type

Central Site Master, Central Site Slave, Field Site

Purpose

Outputs information in the Log file.

Explanation of Arguments

- | | |
|----------|--|
| a | Date (month/day/year format). For example, 011293 means January 12, 1993 (single value 010100-123199; default is the end of the log file). If the date specified is not found in the log, the text "DATE NOT FOUND; THIS IS THE NEAREST DATE LOGGED AFTER THE REQUESTED DATE" will appear on the first line of the log output. |
| b | 1310 means 1:10 p.m. (single value 0000-2359; default is 0000). |
| c | Number of output lines (single value 1-1000; default 10). |

Input Message Acknowledgements

- | | |
|-----------|--|
| IP | In Progress. Request received and initiated. Further output will follow. |
| RL | Repeat Later. Request cannot be executed now due to UI job queue being full. Use message OP:JOB to list jobs on queue. Use message STOP:JOB to remove any unnecessary UI jobs. |
| ?A | Action field contains an error. An error in the first field of the message. |
| ?E | Syntax error exists in the message but cannot be resolved to the proper field. |

- ?I** Identification field contains an error. An error is in the second field of the message (to the right of the first colon).
- ?D, DATE or LIMIT** One of the following keywords is missing and should be entered: DATE or LIMIT.
- ?D, DATE number** The DATE number is missing and must be entered. Value must be a number within the specified range (010100-123199).
- ?D, DATE a** Invalid DATE was entered. Value must be a number within the specified range (010100-123199). The "a" is the invalid value that was entered.
- ?D, TIME** The TIME keyword is missing and should be entered.
- ?D, TIME number** The TIME number is missing and must be entered. Value must be a number within the specified range (0000-2359).
- ?D, TIME b** Invalid TIME was entered. Value must be a number within the specified range (0000-2359). The "b" is the invalid value that was entered.
- ?D, LIMIT** The LIMIT keyword is missing and should be entered.
- ?D, LIMIT number** The LIMIT number is missing and must be entered. Value must be a number within the specified range (1-1000).
- ?D, LIMIT c** Invalid LIMIT was entered. Value must be a number within the specified range (1-1000). The letter "c" is the invalid value that was entered.
- ?L** The maximum message length of 157 characters has been exceeded.
- ?T** Time-out has occurred on the message. Input has not been received in 180 seconds, and processing of the message has been aborted.

References

OP:JOB
STOP:JOB

OP:MACHINE Message

OP:MACHINE!

Site Type

Central Site Master, Central Site Slave, Field Site

Purpose

Outputs information in the MACHINE database.

Explanation of Arguments

None

Input Message Acknowledgements

IP	In Progress. Request received and initiated. Further output will follow.
RL	Repeat Later. Request cannot be executed now due to UI job queue being full. Use message OP:JOB to list UI jobs on queue. Use message STOP:JOB to remove any unnecessary UI jobs.
?I	Syntax error exists within the identification field of the message.
?E	Syntax error exists in the message but cannot be resolved to the proper field.
?L	The maximum message length of 157 characters has been exceeded.
?T	Time-out has occurred on the message. Input has not been received in 180 seconds, and processing of the message has been aborted.

References

CLR:MACHINE
RC:MACHINE
OP:JOB
STOP:JOB

OP:MEAS Message

OP:MEAS[;CLR]!

Site Type

Central Site Master, Field Site

Purpose

Outputs Measurements Report

Explanation of Arguments

CLR	The Measurements Report will be cleared (initialized) after the output. If not present, the Measurements Report is not cleared.
------------	---

Input Message Acknowledgements

IP	In Progress. Request received and initiated. Further output will follow.
RL	Repeat Later. Request cannot be executed now due to UI job queue being full. Use message OP:JOB to list jobs on queue. Use message STOP:JOB to remove any unnecessary UI jobs.
?A	Action field contains an error. An error in the first field of the message.
?E	Syntax error exists in the message but cannot be resolved to the proper field.
?I	Identification field contains an error. An error is in the second field of the message (to the right of the first colon).
?L	The maximum message length of 157 characters has been exceeded.
?T	Time-out has occurred on the message. Input has not been received in 180 seconds, and processing of the message has been aborted.

References

CLR:MEAS
OP:JOB
STOP:JOB

OP:SCUEQP Message

OP:SCUEQP!

Site Type

Central Site Master, Field Site

Purpose

Outputs information in the SCUEQP database.

Explanation of Arguments

None

Input Message Acknowledgements

IP	In Progress. Request received and initiated. Further output will follow.
RL	Repeat Later. Request cannot be executed now due to UI job queue being full. Use message OP:JOB to list UI jobs on queue. Use message STOP:JOB to remove any unnecessary UI jobs.
?I	Syntax error exists within the identification field of the message.
?E	Syntax error exists in the message but cannot be resolved to the proper field.
?L	The maximum message length of 157 characters has been exceeded.
?T	Time-out has occurred on the message. Input has not been received in 180 seconds, and processing of the message has been aborted.

References

CLR:SCUEQP
RC:SCUEQP
ALW:SCUEQP
INH:SCUEQP
OP:JOB
STOP:JOB

OP:SETEQP Message

OP:SETEQP!

Site Type

Central Site Master, Field Site

Purpose

Outputs information in the SETEQP database.

Explanation of Arguments

None

Input Message Acknowledgements

IP	In Progress. Request received and initiated. Further output will follow.
RL	Repeat Later. Request cannot be executed now due to UI job queue being full. Use message OP:JOB to list UI jobs on queue. Use message STOP:JOB to remove any unnecessary UI jobs.
?I	Syntax error exists within the identification field message.
?E	Syntax error exists in the message but cannot be resolved to the proper field.
?L	The maximum message length of 157 characters has been exceeded.
?T	Time-out has occurred on the message. Input has not been received in 180 seconds, and processing of the message has been aborted.

References

CLR:SETEQP
RC:SETEQP
OP:JOB
STOP:JOB

OP:SLAVE Message

OP:SLAVE!

Site Type

Central Site Master

Purpose

Outputs information in the Slave (SLAVE) database.

Explanation of Arguments

None

Input Message Acknowledgements

IP	In Progress. Request received and initiated. Further output will follow.
RL	Repeat Later. Request cannot be executed now due to UI job queue being full. Use message OP:JOB to list UI jobs on queue. Use message STOP:JOB to remove any unnecessary UI jobs.
?I"	Syntax error exists within the identification field message.
?E"	Syntax error exists in the message but cannot be resolved to the proper field.
?L"	The maximum message length of 157 characters has been exceeded.
?T"	Time-out has occurred on the message. Input has not been received in 180 seconds, and processing of the message has been aborted.

References

CLR:SLAVE
RC:SLAVE
OP:JOB
STOP:JOB

OP:UPD Message

```
OP:UPD:DAYWK a[,TIME b][,LIMIT c]!
```

Site Type

Central Site Master, Central Site Slave, Field Site

Purpose

Output information in the Update File.

Explanation of Arguments

- | | |
|----------|---|
| a | Output information in the Update File for the Week (single value 0-6 with 0=Sunday). |
| b | Start time (hours:minutes format). For example, 1310 means 1:10 p.m. (single value 0000-2359; default is 0000). |
| c | Maximum number of output lines (single value 1-1000; default 10). |

Input Message Acknowledgements

- | | |
|-----------|---|
| IP | In Progress. Request received and initiated. Further output will follow. |
| RL | Repeat Later. Request cannot be executed now due to UI job queue being full. Use message OP:JOB to list UI jobs on queue. Use message STOP:JOB to remove any unnecessary UI jobs. |
| ?A | Action field contains an error. An error in the first field of the message. |
| ?E | Syntax error exists in the message but cannot be resolved to the proper field. |
| ?I | Identification field contains an error. An error is in the second field of the message (to the right of the first colon). |

?D, DAYWK	The DAYWK keyword is missing and should be entered.
?D, DAYWK number	The DAYWK number is missing and must be entered. Value must be a number within the specified range (0-6).
?D, DAYWK a	Invalid DAYWK was entered. Value must be a number within the specified range (0-6). The "a" is the invalid value that was entered.
?D, TIME or LIMIT	One of the following keywords is missing and should be entered: TIME or LIMIT.
?D, TIME	The TIME keyword is missing and should be entered.
?D, TIME number	The TIME number is missing and must be entered. Value must be a number within the specified range (0000-2359).
?D, TIME b	Invalid TIME was entered. Value must be a number within the specified range (0000-2359). The "b" is the invalid value that was entered.
?D, LIMIT	The LIMIT keyword is missing and should be entered.
?D, LIMIT number	The LIMIT number is missing and must be entered. Value must be a number within the specified range (1-1000).
?D, LIMIT c	Invalid LIMIT was entered. Value must be a number within the specified range (1-1000). The "c" is the invalid value that was entered.
?L	The maximum message length of 157 characters has been exceeded.
?T	Time-out has occurred on the message. Input has not been received in 180 seconds, and processing of the message has been aborted.

References

OP:JOB
STOP:JOB

Play a File (PFILE) Message

PFILE Message

```
PFILE:FILE "e"!
```

Site Type

Central Site Master, Field Site

Purpose

Plays a specified file in "/usr/aap/anncbkup" or "/usr/aap/tmp" directory to the speaker/handset. Some delay will occur between the end of the message and when the announcement is heard.

Explanation of Arguments

e Input announcement file in "/usr/aap/anncbkup" or "/usr/aap/tmp" directory. Announcement file name can contain upper/lowercase alphanumeric characters, periods (.), and underlines (_), and must be surrounded by quotation marks (" ").

Input Message Acknowledgements

IP	In Progress. Request received and initiated. Further output will follow.
RL	Repeat Later. Request cannot be executed now due to UI job queue being full. Use message OP:JOB to list UI jobs on queue. Use message STOP:JOB to remove any unnecessary UI jobs.
?FILE	File keyword is missing and must be entered.
?FILE name	File name is missing and must be entered. Announcement filename can contain upper/lower case alphanumeric characters, periods (.), and underlines (_), and must be surrounded by quotation marks (" ").

?D	Syntax error exists within the data field of the message.
?E	Syntax error exists in the message but cannot be resolved to the proper field.
?L	The maximum message length of 157 characters has been exceeded.
?T	Time-out has occurred on the message. Input has not been received in 180 seconds, and processing of the message has been aborted.

References

RFILE
OP:JOB
STOP:JOB

Poll Message

POLL:ANNSET Message

```
POLL:ANNSET a[,SCS b,SCU c][,LANCONT d]!
```

Site Type

Central Site Master, Field Site

Purpose

Polls a specified Announcement Set.

Explanation of Arguments

- | | |
|----------|---|
| a | Announcement Set (single value A-Z). |
| b | Service Circuit System (single value 0-7; default all). |
| c | Service Circuit Unit (single value 0-15; default all). |
| d | LAN controller number (single value 0-1; default active LAN). |

Input Message Acknowledgements

- | | |
|-----------------------|---|
| IP | In Progress. Request received and initiated. Further output will follow. |
| RL | Repeat Later. Request cannot be executed now due to UI job queue being full. Use message OP:JOB to list UI jobs on queue. Use message STOP:JOB to remove any unnecessary UI jobs. |
| ?I, comma | The identification field is missing a comma. |
| ?I, ANNSET | Announcement Set keyword is missing and must be entered. |
| ?I,ANNSET name | Announcement Set name is missing and must be entered. Value must be a single uppercase letter. |
| ?I, SCS | SCS keyword is missing and must be entered. |

?I, SCS number	Invalid SCS number is missing and must be entered. Value must be a number within the specified range (0-7).
?I, SCS b	Invalid SCS was entered. Value must be a number within the specified range (0-7). The "b" is the invalid value that was entered.
?I, SCU	SCU keyword is missing and must be entered.
?I, SCU number	Invalid SCU number is missing and must be entered. Value must be a number within the specified range (0-15).
?I, SCU c	Invalid SCU was entered. Value must be a number within the specified range (0-15). The "c" is the invalid value that was entered.
?I, LANCONT	LAN controller keyword is missing and must be entered.
?I, LANCONT number	LAN controller number is missing and must be entered. Value must be a number within the specified range (0-15).
?I, LANCONT d	Invalid LAN controller number was entered. Value must be a number within the specified range (0-15). The "d" is the invalid value that was entered.
?E	Syntax error exists in the message but cannot be resolved to the proper field.
?L	The maximum message length of 157 characters has been exceeded.
?T	Time-out has occurred on the message. Input has not been received in 180 seconds, and processing of the message has been aborted.

References

OP:JOB
STOP:JOB

Record a File (RFILE) Message

RFILE Message

```
RFILE:FILE "h":LEN g!
```

Site Type

Central Site Master, Field Site

Purpose

Records an announcement from a tape player/handset to a specified file in "/usr/aap/tmp" directory.

Explanation of Arguments

- | | |
|----------|--|
| g | Length of announcement in seconds (0-261). Zero is a half second announcement. |
| h | Output announcement file saved in "/usr/aap/tmp" directory. Announcement file name can contain upper/lower case alphanumeric characters, periods (.), and underlines (_), and must be surrounded by quotation marks (" "). |

Input Message Acknowledgements

- | | |
|----------------------|--|
| IP | In Progress. Request received and initiated. Further output will follow. |
| RL | Repeat Later. Request cannot be executed now due to UI job queue being full. Use message OP:JOB to list UI jobs on queue. Use message STOP:JOB to remove any unnecessary UI jobs. |
| ?I, colon | The identification field is missing a colon. |
| ?I, FILE | File keyword is missing and must be entered. |
| ?I, FILE name | File name is missing and must be entered. Announcement file name can contain upper/lower case alphanumeric characters, periods (.), and underlines (_), and must be surrounded by quotation marks (" "). |

?D, LEN	Length keyword is missing and must be entered.
?D, LEN number	Length number is missing and must be entered. Value must be a number within the specified range (0-261).
?D, LEN g	Invalid Length was entered. Value must be a number within the specified range (0-261). The "g" is the invalid value that was entered.
?E	Syntax error exists in the message but cannot be resolved to the proper field.
?L	The maximum message length of 157 characters has been exceeded.
?T	Time-out has occurred on the message. Input has not been received in 180 seconds, and processing of the message has been aborted.

References

PFILE
OP:JOB
STOP:JOB

Recent Change (RC) Messages

RC:ANNUPD Message

RC:ANNUPD;DLT,KEY a!

Site Type

Central Site Master, Field Site

Purpose

Deletes a specified update from the ANNUPD database.

Explanation of Arguments

DLT	Delete data in the database.
a	Database key (single value 0-99999).

Input Message Acknowledgements

IP	In Progress. Request received and initiated. Further output will follow.
RL	Repeat Later. Request cannot be executed now due to UI job queue being full. Use message OP:JOB to list UI jobs on queue. Use message STOP:JOB to remove any unnecessary UI jobs.
?I, colon	The identification field is missing a colon.
?I, comma	The identification field is missing a comma.
?I,semicolon	The identification field is missing a semicolon.
?I, ADD or CHG or DLT	One of the following keywords is missing and must be entered: ADD, CHG, or DLT.
?I, KEY	Database KEY keyword is missing and must be entered.
?I, KEY number	Database KEY number is missing and must be entered. Value must be a number within the specified range (0-99999).

?I, KEY a	Invalid database KEY was entered. Value must be a number within the specified range (0-99999). The "a" is the invalid value that was entered.
?E	Syntax error in the message but cannot be resolved to the proper field.
?L	The maximum message length of 157 characters has been exceeded.
?T	Time-out has occurred on the message. Input has not been received in 180 seconds, and processing of the message has been aborted.

References

CLR:ANNUPD
OP:ANNUPD
OP:JOB
STOP:JOB

RC:AUDIT Message

```
RC:AUDIT;ADD,KEY a:TYPE b,ANNSET c,FROM d,TO e,UCL f,MO g,  
DAYMO h,DAYWK i,HR j,MIN k!
```

```
RC:AUDIT;CHG,KEY a:{KEY a|TYPE b|ANNSET c|FROM d|TO e| UCL f|  
MO g|DAYMO h|DAYWK i|HR j|MIN k}!
```

```
RC:AUDIT;DLT,KEY a!
```

Site Type

Central Site Master, Field Site

Purpose

Adds, changes, or deletes specified data in the AUDIT database. Audits that are added to the database are enabled (ENA = 1).

Explanation of Arguments

ADD	Add data to the database.
CHG	Change data in the database
DLT	Delete data in the database.
a	Database Key (single value 0-99999).
b	Audit type (single value 0-6).
c	Announcement Set (single value A-Z).
d	From Announcement ID range (single value 1-65535) or Announcement Mapping Address (single value 1-511).

e	To Announcement ID range (single value 1-65535) or Announcement Mapping Address (single value 1-511).
f	Unconditional Audit (0 = conditional, 1 = unconditional).
g	Month (single value 1-12 or * means every month).
h	Day of the Month (single value 1-31 or * means every day of the month).
i	Day of the Week (single value 0-6 with 0 = Sunday or * means every day of the week).
j	Hour (single value 0-23 or * for every hour).
k	Minute (single value 0-59 or * for every minute).

Input Message Acknowledgements

IP	In Progress. Request received and initiated. Further output will follow.
RL	Repeat Later. Request cannot be executed now due to UI job queue being full. Use message OP:JOB to list UI jobs on queue. Use message STOP:JOB to remove any unnecessary UI jobs.
?I, colon	The identification field is missing a colon.
?I, comma	The identification field is missing a comma.
?I, semicolon	The identification field is missing a semicolon.
?I, ADD or CHG or DLT	One of the following keywords is missing and must be entered: ADD, CHG, or DLT.
?I, KEY	Database KEY keyword is missing and must be entered.
?I, KEY number	Database KEY number is missing and must be entered. Value must be a number within the specified range (0-99999).
?I, KEY a	Invalid database KEY was entered. Value must be a number within the specified range (0-99999). The "a" is the invalid value that was entered.
?D, KEY	Database KEY keyword is missing and must be entered.
?D, KEY number	Database KEY number is missing and must be entered. Value must be a number within the specified range (0-99999).

?D, KEY a	Invalid database KEY was entered. Value must be a number within the specified range (0-99999). The "a" is the invalid value that was entered.
?D, TYPE	The TYPE keyword is missing and must be entered.
?D,TYPE number	The TYPE number is missing and must be entered. Value must be a number within the specified range (0-6).
?D,TYPE b	Invalid TYPE was entered. Value must be a number within the specified range (0-6). The "b" is the invalid value that was entered.
?D,ANNSET	Announcement Set keyword is missing and must be entered.
?D,ANNSET name	Announcement Set name is missing and must be entered. Value must be a single uppercase letter.
?D,FROM	The FROM keyword is missing and must be entered.
?D,FROM number	The FROM number is missing and must be entered. Value must be a number within the specified Announcement ID range (single value 1-65535) or Announcement Mapping Address (single value 1-511).
?D,FROM d	Invalid FROM was entered. Value must be a number within the specified Announcement ID range (single value 1-65535) or Announcement Mapping Address (single value 1-511). The "d" is the invalid value that was entered.
?D,TO	The TO keyword is missing and must be entered.
?D,TO number	The TO number is missing and must be entered. Value must be a number within the specified Announcement ID range (single value 1-65535) or Announcement Mapping Address (single value 1-511).
?D,TO d	Invalid TO was entered. Value must be a number within the specified Announcement ID range (single value 1-65535) or Announcement Mapping Address (single value 1-511). The "d" is the invalid value that was entered.
?D,UCL	The UCL keyword is missing and must be entered.
?D,UCL number	The UCL number is missing and must be entered. Value must be a number within the specified range (0-1).
?D,UCL f	Invalid UCL was entered. Value must be a number within the specified range (0-1). The "f" is the invalid that was entered.

?D,MO	The MO keyword is missing and must be entered.
?D,MO number	The MO number is missing and must be entered. Value must be a number within the specified range (1-12 or * means every month).
?D,MO g	Invalid MO was entered. Value must be a number within the specified range (1-12 or * means every month). The "g" is the invalid value that was entered.
?D,DAYMO	The DATMO keyword is missing and must be entered.
?D,DAYMO number	The DAYMO number is missing and must be entered. Value must be a number within the specified range (1-31 or * means every day).
?D,DAYMO h	Invalid DAYMO was entered. Value must be a number within the specified range (1-31 or * means every day). The "h" is the invalid value that was entered.
?D,DAYWK	The DAYWK keyword is missing and must be entered.
?D,DAYWK number	The DAYWK number is missing and must be entered. Value must be a number within the specified range (0-6 or * means every day of the week).
?D,DAYWK i	Invalid DAYWK was entered. Value must be a number within the specified range (0-6 or * means every day of the week). The "i" is the invalid value that was entered.
?D,HR	The HR keyword is missing and must be entered.
?D,HR number	The HR number is missing and must be entered. Value must be a number within the specified range (0-23 or * means every hour of the day).
?D,HR j	Invalid HR was entered. Value must be a number within the specified range (0-23 or *). The "j" is the invalid value that was entered.
?D,MIN	The MIN keyword is missing and must be entered.
?D,MIN number	The MIN number is missing and must be entered. Value must be a number within the specified range (0-59 or * means every minute of the hour).
?D,MIN k	Invalid MIN was entered. Value must be a number within the specified range (0-59 or * means every minute of the hour). The "k" is the invalid value that was entered.

?D,comma	The data field is missing a comma.
?E	Syntax error in the message but cannot be resolved to the proper field.
?L	The maximum message length of 157 characters has been exceeded.
?T	Time-out has occurred on the message. Input has not been received in 180 seconds, and processing of the message has been aborted.

References

AUD
ALW:AUDIT
CLR:AUDIT
INH:AUDIT
OP:AUDIT
OP:JOB
STOP:JOB

RC:FSITE Message

```
RC:FSITE;ADD,KEY a:OFID b,PRIPN "c",SECPN "d",CLLI "e"!
```

```
RC:FSITE;CHG,KEY a:{KEY a|OFID b|PRIPN "c"|SECPN "d"|CLLI "e"}!
```

```
RC:FSITE;DLT,KEY a!
```

Site Type

Central Site Master

Purpose

Adds, changes, or deletes specified data in the FSITE database (only central site).

Explanation of Arguments

ADD	Add data to the database.
CHG	Change data in the database.
DLT	Delete data in the database.
a	Database Key (single value 0-99999).
b	Office ID (single value 1-32000).
c	Primary phone number (single value, maximum 25 numeric digits) and must be surrounded by quotation marks (" ").
d	Secondary phone number (single value, maximum 25 numeric digits) and must be surrounded by quotation marks (" ").

- e** CLLI code number (maximum 10 uppercase alphanumeric characters and must be surrounded by quotation marks [" "]).

Input Message Acknowledgements

- IP** In Progress. Request received and initiated. Further output will follow.
- RL** Repeat Later. Request cannot be executed now due to UI job queue being full. Use message **OP:JOB** to list UI jobs on queue. Use message **STOP:JOB** to remove any unnecessary UI jobs.
- ?I, colon** The identification field is missing a colon.
- ?I, comma** The identification field is missing a comma.
- ?I, semicolon** The identification is missing a semicolon.
- ?I, ADD or CHG or DLT** One of the following keywords is missing and must be entered; ADD, CHG, or DLT.
- ?I, KEY** Database KEY keyword is missing and must be entered.
- ?I, KEY number** Data KEY number is missing and must be entered. Value must be a number within the specified range (0-99999).
- ?I, KEY a** Invalid database KEY was entered, Value must be a number within the specified range (0-99999). The "a" is the invalid value that was entered.
- ?D, KEY** Database KEY keyword is missing and must be entered.
- ?D, KEY number** Database KEY number is missing and must be entered. Value must be a number within the specified range (0-99999).
- ?D, KEY a** Invalid database KEY was entered. Value must be a number within the range (0-99999). The "a" is the invalid number that was entered.
- ?D, OFID** The Office ID (OFID) keyword is missing and must be entered.
- ?D, OFID number** The OFID number is missing and must be entered. Value must be a number within the specified range (1-32000).
- ?D, OFID b** Invalid OFID was entered. Value must be a number within the specified range (1-32000). The "b" is the invalid value that was entered.

?PRIPN	The Primary Phone Number (PRIPN) keyword is missing and must be entered.
?D,PRIPN number	The PRIPN number is missing and must be entered. Value must be a number not exceeding 25 digits and must be surrounded by quotation marks (" ").
?D,PRIPN c	Invalid PRIPN was entered. Value must be a number not exceeding 25 digits and must be surrounded by quotation marks (" "). The "c" is the invalid value that was entered.
?D,SECPN	The Secondary Phone Number (SECPN) keyword is missing and must be entered.
?D,SECPN number	The SECPN number is missing and must be entered. Value must be a number not exceeding 25 digits and must be surrounded by quotation marks (" ").
?D,SECPN d	Invalid SECPN was entered. Value must be a number not exceeding 25 digits and must be surrounded by quotation marks (" "). The "d" is the invalid value that was entered.
?D,CLLI	The CLLI keyword is missing and must be entered.
?D,CLLI number	The CLLI number is missing and must be entered. Value must be a number not exceeding 10 uppercase alphanumeric characters and must be surrounded by quotation marks (" ").
?D,CLLI e	Invalid CLLI was entered. Value must be a number not exceeding 10 uppercase alphanumeric characters and must be surrounded by quotation marks (" "). The "e" is the invalid value that was entered.
?D,comma	The data field is missing a comma.
?E	Syntax error exists in the message but cannot be resolved to the proper field.
?L	The maximum message length of 157 characters has been exceeded.
?T	Time-out has occurred on the message. Input has not been received in 180 seconds, and processing of the message has been aborted.

References

CLR:FSITE
OP:FSITE
OP:JOB
STOP:JOB

RC:MACHINE Message

```
RC:MACHINE;ADD,KEY a:OFID b,CLLI "c",TYPE d,LVL e,CTYPE f,CSPN "g"!
```

```
RC:MACHINE;CHG,KEY a:{KEY a|OFID b|CLLI "c"|TYPE d|LVL e|CTYPE f|CSPN "g"}!
```

```
RC:MACHINE;DLT,KEY a!
```

Site Type

Central Site Master, Central Site Slave, Field Site

Purpose

Adds, changes, or deletes specified data in the MACHINE database.

Explanation of Arguments

ADD	Add data to the database.
CHG	Change data in the database.
DLT	Delete data in the database.
a	Database Key (single value 0-99999).
b	Office ID (single value 1-32000). If the OFID attribute is CHGed, the AAP will need to be rebooted. This is done at the AAP console by pressing the F9 key to access the EAI page and selecting boot option 53 .
c	CLLI code (single value, maximum 10 uppercase alphanumeric characters) and must be surrounded by quotation marks (" ").

d	Machine type (single value M S F; M=master, S=slave, F=field).
e	Audio level (single value 0-24; 0=lowest level; 24=highest level; functional only on central site).
f	Call type. (Software Defined Data Network) (single value 0-1; 0 = TYPE0, 1 = TYPE1).
g	Central site phone number (single value, maximum 25 numeric digits) and must be surrounded by quotation marks (" ").

Input Message Acknowledgements

IP	In Progress. Request received and initiated. Further output will follow.
RL	Repeat Later. Request cannot be executed now due to UI job queue being full. Use message OP:JOB to list UI jobs on queue. Use message STOP:JOB to remove any unnecessary UI jobs.
?I, colon	The identification field is missing a colon.
?I, comma	The identification field is missing a comma.
?I, semicolon	The identification field is missing a semicolon.
?I, ADD or CHG or DLT	One of the following keywords is missing and must be entered: ADD, CHG, or DLT.
?I, KEY	Database KEY keyword is missing and must be entered.
?I, KEY number	Database KEY number is missing and must be entered. Value must be a number within the specified range (0-99999).
?I, KEY a	Invalid database KEY was entered. Value must be a number within the specified range (0-99999). The "a" is the invalid value that was entered.
?D,KEY	Database KEY keyword is missing and must be entered.
?D,KEY number	Database KEY number is missing and must be entered. Value must be a number within the specified range (0-99999).
?D,KEY a	Invalid database KEY was entered. Value must be a number within the specified range (0-99999). The "a" is the invalid value that was entered.

?D,OFID	The OFID keyword is missing and must be entered.
?D,OFID number	The OFID number is missing and must be entered. Value must be a number within the specified range (1-32000).
?D,OFID b	Invalid OFID was entered. Value must be a number within the specified range (1-32000). The "b" is the Invalid value that was entered.
?D, CLLI	The CLLI keyword is missing and must be entered.
?D, CLLI number	The CLLI number is missing and must be entered. Value must be a number not exceeding 10 uppercase alphanumeric characters and must be surrounded by quotation marks (" ").
?D, CLLI c	Invalid CLLI was entered. Value must be a number not exceeding 10 uppercase alphanumeric characters and must be surrounded by quotation marks (" "). The "c" is the invalid value that was entered.
?D,TYPE	The TYPE keyword is missing and must be entered.
?D,TYPE name	The TYPE name is missing and must be entered. Value must be a single uppercase letter (M,S, or F).
?D,TYPE c	Invalid TYPE was entered. Value must be a single uppercase letter (M,S,or F). The "c" is the invalid value that was entered.
?D,LVL	The LVL keyword is missing and must be entered.
?D,LVL number	The LVL number is missing and must be entered. Value must be a number within the specified range (0-24).
?D,LVL d	The LVL was entered. Value must be a number within the specified range (0-24). The "d" is the invalid value that was entered.
?D,CTYPE	The CTYPE keyword is missing and must be entered.
?D,CTYPE name	The type name is missing and must be entered. Value must be a number within the specified range (0-1).
?D,TYPE f	Invalid CTYPE was entered. Value must be a number within the specified range (0-1). The "f" is the invalid value that was entered.
?D,CSPN	The CSPN keyword is missing and must be entered.
?D,CSPN number	The CSPN number is missing and must be entered. Value must be a number not exceeding 25 digits and must be surrounded by quotation marks (" ").

?D,CSPN g	Invalid CSPN was entered. Value must be a number not exceeding 25 digits and must be surrounded by quotation marks (" "). The "g" is the invalid value that was entered.
?D,comma	The data field is missing a comma.
?E	Syntax error exists in the message but cannot be resolved to the proper field.
?L	The maximum message length of 157 characters has been exceeded.
?T	Time-out has occurred on the message. Input has not been received in 180 seconds, and processing of the message has been aborted.

References

CLR:MACHINE
OP:MACHINE
OP:JOB
STOP:JOB

RC:SCUEQP Message

```
RC:SCUEQP;ADD,KEY a:ANNSET b,SCS c,SCU d,LANADR {X'e|DFLT}!
```

```
RC:SCUEQP;CHG,KEY a:{KEY a|ANNSET b|SCS c|SCU d|LANADR {X'e|DFLT}}!
```

```
RC:SCUEQP;DLT,KEY a!
```

Site Type

Central Site Master, Field Site

Purpose

Adds, changes, deletes specified data in the SCUEQP database. SCUs that are added to the database are disabled (ENA=0).

Explanation of Arguments

f3ADD	Add data to the database.
f3CHG	Change data in the database.
DLT	Delete Key in the database.
a	Database Key (single value 0-99999).
b	Announcement Set (single value A-Z).
c	SCS (single value 0-7).
d	SCU (single value 0-15).
e,DFLT	LAN Address (text string value DFLT or 10 hex digits 0-9 and A-F).

Input Message Acknowledgements

IP	In Progress. Request received and initiated. Further output will follow.
RL	Repeat Later. Request cannot be executed now due to UI job queue being full. Use message OP:JOB to list UI jobs on queue. Use message STOP:JOB to remove any unnecessary UI jobs.
?I, colon	The identification field is missing a colon.
?I, comma	The identification field is missing a comma.
?I, semicolon	The identification field is missing a semicolon.
?I, ADD or CHG or DLT	One of the following keywords is missing and must be entered: ADD, CHG, or DLT.
?I, KEY	Database KEY keyword is missing and must be entered.
?I, KEY number	Database KEY number is missing and must be entered. Value must be a number within the specified range (0-99999).
?I, KEY a	Invalid database KEY was entered. Value must be a number within the specified range (0-99999). The "a" is the invalid value that was entered.
?D, KEY	Database KEY keyword is missing and must be entered.
?D, KEY number	Database KEY number is missing and must be entered. Value must be a number within the specified range (0-99999).
?D, KEY a	Invalid database KEY was entered. Value must be a number within the specified range (0-99999). The "a" is the invalid value that was entered.
?I, ANNSET	Announcement Set keyword is missing and must be entered.
?I,ANNSET name	Announcement Set name is missing and must be entered. Value must be a single uppercase letter.
?I, SCS	SCS keyword is missing and must be entered.
?I, SCS number	Invalid SCS number is missing and must be entered. Value must be a number within the specified range (0-7).
?I, SCS c	Invalid SCS was entered. Value must be a number within the specified range (0-7). The "c" is the invalid value that was entered.

?I, SCU	SCU keyword is missing and must be entered.
?I, SCU number	Invalid SCU number is missing and must be entered. Value must be a number within the specified range (0-15).
?I, SCU d	Invalid SCU was entered. Value must be a number within the specified range (0-15). The "d" is the invalid value that was entered.
?I, LANADR	LAN Address keyword is missing and must be entered.
?I, LANADR number	Invalid LAN Address number is missing and must be entered. Value must be DFLT or a 10-digit hex number.
?I, LANADR e	Invalid LAN Address was entered. Value must be DFLT or a 10-digit hex number. The "e" is the invalid value that was entered.
?D, comma	The data field is missing a comma.
?E	Syntax error exists in the message but cannot be resolved to the proper field.
?L	The maximum message length of 157 characters has been exceeded.
?T	Time-out has occurred on the message. Input has not been received in 180 seconds, and processing of the message has been aborted.

References

CLR:SCUEQP
OP:SCUEQP
ALW:SCUEQP
INH:SCUEQP
OP:JOB
STOP:JOB

RC:SETEQP Message

```
RC:SETEQP;ADD,KEY a:ANNSET b,SETADR {X'c|DFLT},SETNUM d!
```

```
RC:SCUEQP;CHG,KEY a:{KEY a|ANNSET b|SETADR {X'c|DFLT}|SETNUM d!
```

```
RC:SCUEQP;DLT,KEY a!
```

Site Type

Central Site Master, Field Site

Purpose

Adds, changes, or deletes specified data in the SETEQP database.

Explanation of Arguments

ADD	Add data to the database.
CHG	Change data in the database.
DLT	Delete data in the database.
a	Database Key (single value 0-99999).
b	Announcement Set (single value A-Z).
c,DFLT	Announcement Set Multicast Address (text string DFLT or 10 hex digits 0-9 and A-F).
d	Announcement Set number (single value 0-254).

Input Message Acknowledgement

IP	In Progress. Request received and initiated. Further output will follow.
RL	Repeat Later. Request cannot be executed now due to UI job queue being full. Use message OP:JOB to list UI jobs on queue. Use message STOP:JOB to remove any unnecessary UI jobs.
?I, colon	The identification field is missing a colon.
?I, comma	The identification field is missing a comma.
?I, semicolon	The identification field is missing a semicolon.
?I, ADD or CHG or DLT	One of the following keywords are missing and must be entered: ADD, CHG, or DLT.
?I, KEY	Database KEY keyword is missing and must be entered.
?I, Key number	Database KEY number is missing and must be entered. Value must be a number within the specified range (0-99999).
?I, KEY a	Invalid database KEY was entered. Value must be a number within the specified range (0-99999). The "a" is the invalid value that was entered.
?D,KEY	Database KEY keyword is missing and must be entered.
?D,KEY number	Database KEY number is missing and must be entered. Value must be a number within the specified range (0-99999).
?D,KEY a	Invalid database KEY was entered. Value must be a number within the specified range (0-99999). The "a" is the invalid value that was entered.
?I, ANNSET	Announcement Set keyword is missing and must be entered.
?I, ANNSET name	Announcement Set name is missing and must be entered. Value must be a single uppercase letter.
?I, SETADR	Announcement Set Multicast Address keyword is missing and must be entered.
?I, SETADR number	Invalid Announcement Set Multicast Address number is missing and must be entered. Value must be DFLT or a 10-digit hex number.

?I, SETADR c	Invalid Announcement Set Multicast Address was entered. Value must be DFLT or a 10-digit hex number. The "c" is the invalid value that was entered.
?I, SETNUM	Announcement Set Number keyword is missing and must be entered.
?I, SETNUM number	Invalid Announcement Set Number is missing and must be entered. Value must be a single value 0-254.
?I, SETNUM d	Invalid Announcement Set Number was entered. Value must be a single value 0-254. The "d" is the invalid value that was entered.
?D, comma	The data field is missing a comma.
?E	Syntax error exists in the message but cannot be resolved to the proper field.
?L	The maximum message length of 157 characters has been exceeded.
?T	Time-out has occurred on the message. Input has not been received in 180 seconds, and processing of the message has been aborted.

References

CLR:SETEQP
OP:SETEQP
OP:JOB
STOP:JOB

RC:SLAVE Message

```
RC:SLAVE;ADD,KEY a:CSID b,ISOID X'c!
```

```
RC:SLAVE;CHG,KEY a:{KEY a|CSID b|ISOID X'c}!
```

```
RC:SLAVE;DLT,KEY a!
```

Site Type

Central Site Master

Purpose

Adds, changes, or deletes specified data in the SLAVE database (only central site).

Explanation of Arguments

ADD	Add data to the database.
CHG	Change data in the database.
DLT	Delete data in the database.
a	Database Key (single value 0-99999).
b	Central Site Office ID (single value 1-32000).
c	International Standards Organization ID (16 hex digits; 0-9, A-F).

Input Message Acknowledgements

IP	In Progress. Request received and initiated. Further output will follow.
RL	Repeat Later. Request cannot be executed now due to UI job queue being full. Use message OP:JOB to list UI jobs on queue. Use message STOP:JOB to remove any unnecessary UI jobs.
?I, colon	The identification field is missing a colon.
?I,comma	The identification field is missing a comma.
?I, semicolon	The identification field is missing a semicolon.
?I, ADD or CHG or DLT	One of the following keywords is missing and must be entered: ADD, CHG, or DLT.
?I, KEY	Database KEY keyword is missing and must be entered.
?I, KEY number	Database KEY number is missing and must be entered. Value must be a number within the specified range (0-99999).
?I, KEY a	Invalid database KEY was entered. Value must be a number within the specified range (0-99999). The "a" is the invalid value that was entered.
?D, KEY	Database KEY keyword is missing and must be entered.
?D, KEY number	Database KEY number is missing and must be entered. Value must be a number within the specified range (0-99999).
?D, KEY a	Invalid database KEY was entered. Value must be within the specified range (0-99999). The "a" is the invalid value that was entered.
?D, CSID	The CSID keyword is missing and must be entered.
?D, CSID number	The CSID number is missing and must be entered. Value must be a number within the specified range (1-32000).
?D, CSID b	Invalid CSID was entered. Value must be a number within the specified range (1-32000). The "b" is the invalid value that was entered.
?D, ISOID	The ISOID keyword is missing and must be entered.
?D, ISOID number	The ISOID number is missing and must be entered. Value must be a 16-digit hex number.

?D, ISOID c	Invalid ISOID was entered. Value must be a 16-digit hex number. The "c" is the invalid value that was entered.
?D, comma	The data field is missing a comma.
?E	Syntax error exists in the message but cannot be resolved to the proper field.
?L	The maximum message length of 157 characters has been exceeded.
?T	Time-out has occurred on the message. Input has not been received in 180 seconds, and processing of the message has been aborted.

References

CLR:SLAVE
OP:SLAVE
OP:JOB
STOP:JOB

Record Message

RCD:ANN Message

```
RCD:ANNSET a[,SCS b,SCU c][,Disk d][,RAM]:ANN e,ANNVER "f"LEN g|FILE "h"!|
```

Site Type

Central Site Master, Field Site

Purpose

Records a specified announcement to a specified Announcement Set from a tape player/handset or a specified announcement file in "/usr/aap/anncbkup" or "/usr/aap/tmp" directory. The announcement file must be created using the VER:MODE2 or RFILE message.

Explanation of Arguments

- | | |
|------------|--|
| a | Announcement Set (single value A-Z). |
| b | SCS (single value 0-7; default all). |
| c | SCU (single value 0-15; default all). |
| d | Disk Pair (single value 0-3; default 0). |
| RAM | Announcement will be loaded in Announcement Memory and disks. If not present, will only be loaded on disk. |

⇒ NOTE:

When the RAM argument is specified, the value of the Disk Pair will be forced to 0 (zero) even though a different value may be specified.

- | | |
|----------|---|
| e | Announcement ID (single value 1-65535). |
|----------|---|

⇒ NOTE:

Announcements within the range of 2001-20017 are reserved for internal SCU use only. Any attempt to use an announcement within this range will result in generating SCU error (65303 or 0xFF17).

- f** Announcement Version number contains four uppercase alphanumeric characters and must be surrounded by quotation marks (" "). Cannot be the string "NONE."
- g** Length of announcement in seconds (0-261). Zero is a half second announcement.
- h** Input (from AAP to SCS) announcement file. Announcement file name can contain upper/lower case alphanumeric characters, periods (.), and underlines (_), and must be surrounded by quotation marks (" ").

Input Message Acknowledgements

- IP** In Progress. Request received and initiated. Further output will follow.
- RL** Repeat Later. Request cannot be executed now due to UI job queue being full. Use message **OP:JOB** to list UI jobs on queue. Use message **STOP:JOB** to remove any unnecessary UI jobs.
- ?I, colon** The identification field is missing a colon.
- ?I, comma** The identification field is missing a comma.
- ?I, ANNSET** Announcement Set name is missing and must be entered.
- ?I,ANNSET name** Announcement Set name is missing and must be entered. Value must be a single uppercase letter.
- ?I, SCS and/or DISK and/or RAM** One or more of the following keywords is missing and must be entered: SCS, DISK, and RAM.
- ?I, SCS** Service Circuit System keyword is missing and must be entered.
- ?I, SCS number** Invalid Service Circuit System number is missing and must be entered. Value must be a number within the specific range (0-7).
- ?I, SCS b** Invalid SCS was entered. Value must be a number within the specified range (0-7). The "b" is the invalid value that was entered.
- ?I, SCU** Service Circuit Unit keyword is missing and must be entered.
- ?I, SCU number** Invalid Service Circuit Unit number is missing and must be entered. Value must be a number within the specified range (0-15).

?I, SCU c	Invalid SCU was entered. Value must be a number within the specified range (0-15). The "c" is the invalid value that was entered.
?I, DISK number	Disk pair number is missing and must be entered. Value must be a number within the specified range (0-3).
?I, DISK d	Invalid Disk Pair was entered. Value must be a number within the specified range (0-3). The "d" is the invalid value that was entered.
?I, RAM	RAM keyword is missing and must be entered.
?D, comma	The data field is missing a comma.
?D, ANN	Announcement ID keyword is missing and must be entered.
?D, ANN number	Announcement ID number is missing and must be entered. Value must be a number within the specified range (1-65535).
?D, ANN e	Invalid Announcement ID was entered. Value must be a number within the specified range (1-65535). The "e" is the invalid value that was entered.
?D, ANNVER	Announcement Version keyword is missing and must be entered.
?D,ANNVER number	Announcement Version number is missing and must be entered. Value must be four uppercase alphanumeric characters and cannot be the string "NONE."
?D,ANNVER f	Invalid Announcement Version number was entered. Number must be four alphanumeric characters and cannot be the string "None". The "f" is the invalid value that was entered.
?D, LEN or FILE	Length or File keyword is missing and must be entered.
?D, LEN number	Length number is missing and must be entered. Value must be a number within the specified range (0-261).
?D, LEN g	Invalid Length was entered. Value must be a number within the specified range (0-261). The "g" is the invalid value that was entered.
?D, FILE name	File name is missing and must be entered. Announcement file name can contain uppercase and lowercase alphanumeric characters, periods (.), and underlines (_), and must be surrounded by quotation marks (" ").

?E	Syntax error exists in the message length but cannot be resolved to the proper field.
?L	The maximum message length of 157 characters has been exceeded.
?T	Time-out has occurred on the message. Input has not been received in 180 seconds, and processing of the message has been aborted.

References

ASN:ANN
COPY:ANN
RMV:ANN
RPLC:ANN
VER:MODE1
VER:MODE2
VER:MODE3
VER:MODE4
OP:JOB
STOP:JOB

Remove Message

RMV:ANN Message

```
RMV:ANNSET a[,SCS b,SCU c,]:ANN d!
```

Site Type

Central Site Master, Field Site

Purpose

Removes a specified announcement from a specified Announcement Set.

Explanation of Arguments

- | | |
|----------|---|
| a | Announcement Set (single value A-Z). |
| b | SCS (single value 0-7; default all). |
| c | SCU (single value 0-15; default all). |
| d | Announcement ID (single value 1-65535). |

⇒ NOTE:

Announcements within the range of 2001-20017 are reserved for internal SCU use only. Any attempt to use an announcement within this range will result in generating SCU error (65303 or 0xFF17).

Input Message Acknowledgements

- | | |
|-----------|---|
| IP | In Progress. Request received and initiated. Further output will follow. |
| RL | Repeat Later. Request cannot be executed now due to UI job queue being full. Use message OP:JOB to list UI jobs on queue. Use message STOP:JOB to remove any unnecessary UI jobs. |

?I, colon	The identification field is missing a colon.
?I, comma	The identification field is missing a comma.
?I, ANNSET	Announcement Set name is missing and must be entered.
?I,ANNSET name	Announcement Set name is missing and must be entered. Value must be a single uppercase letter.
?I, SCS	Service Circuit System keyword is missing and must be entered.
?SCS number	Invalid Service Circuit System number is missing and must be entered. Value must be a number within the specified range (0-7).
?I, SCS b	Invalid Service Circuit System was entered. Value must be a number within the specified range (0-7). The "b" is the invalid value that was entered.
?I, SCU	Service Circuit Unit keyword is missing and must be entered.
?I, SCU number	Invalid Service Circuit Unit number is missing and must be entered. Value must be a number within the specified range (0-15).
?I, SCU c	Invalid Service Circuit Unit was entered. Value must be a number within the specified range (0-15). The "c" is the invalid value that was entered.
?D, ANN	Announcement ID keyword is missing and must be entered.
?D, ANN number	Announcement ID number is missing and must be entered. Value must be a number within the specified range (1-65535).
?D, ANN d	Invalid Announcement ID was entered. Value must be a number within the specified range (1-65535). The "d" is the invalid value that was entered.
?E	Syntax error exists in the message but cannot be resolved to the proper field.
?L	The maximum message length of 157 characters has been exceeded.
?T	Time-out has occurred on the message. Input has not been received in 180 seconds, and processing of the message has been aborted.

References

ASN:ANN
COPY:ANN
RCD:ANN
RPLC:ANN
VER:MODE1
VER:MODE2
VER:MODE3
VER:MODE4
OP:JOB
STOP:JOB

Replace Message

RPLC:ANN Message

```
RPLC:ANNSET a,[SCS b,SCU c,]ANN d,ANNVER "e":ANN f!
```

Site Type

Central Site Master, Field Site

Purpose

Replaces (swaps) a specified announcement (announcement text, version, length, checksum, and so on) with another specified announcement (announcement text, version, length, checksum, and so on) in the same Announcement Set.

Explanation of Arguments

- a** Announcement Set (single value A-Z).
- b** Service Circuit System (single value 0-7; default all).
- c** Service Circuit Unit (single value 0-15; default all).
- d** Current Announcement ID (single value 1-65535).

⇒ NOTE:

Announcements within the range of 2001-20017 are reserved for internal SCU use only. Any attempt to use an announcement within this range will result in generating SCU error (65303 or 0xFF17).

- e** Announcement Version number contains four uppercase alphanumeric characters and must be surrounded by quotation marks (" "). Cannot be the string "NONE."
- f** New Announcement ID (single value 1-65535).

⇒ NOTE:

Announcements within the range of 2001-20017 are reserved for internal SCU use only. Any attempt to use an announcement within this range will result in generating SCU error (65303 or 0xFF17).

Input Message Acknowledgements

IP	In Progress. Request received and initiated. Further output will follow.
RL	Repeat Later. Request cannot be executed now due to UI job queue being full. Use message OP:JOB to list UI jobs on queue. Use message STOP:JOB to remove any unnecessary UI jobs.
?I, colon	The identification field is missing a colon.
?I, comma	The identification field is missing a comma.
?I, ANNSET	Announcement Set name is missing and must be entered.
?I,ANNSET name	Announcement Set name is missing and must be entered. Value must be a single uppercase letter.
?SCS number	Invalid Service Circuit System number is missing and must be entered. Value must be a number within the specified range (0-7).
?I, SCS b	Invalid Service Circuit System was entered. Value must be a number within the specified range (0-7). The "b" is the invalid value that was entered.
?I, SCU	Service Circuit Unit keyword is missing and must be entered.
?I, SCU number	Invalid Service Circuit Unit number is missing and must be entered. Value must be a number within the specified range (0-15).
?SCU c	Invalid Service Circuit Unit was entered. Value must be a number within the specified range (0-15). The "c" is the invalid value that was entered.
?I, ANN	Announcement ID keyword is missing and must be entered.
?I, ANN number	Announcement ID number is missing and must be entered. Value must be a number within the specified range (1-65535).
?I, ANN d	Invalid Announcement ID was entered. Value must be a number within the specified range (1-65535). The "d" is the invalid value that was entered.
?I, ANNVER	Announcement version keyword is missing and must be entered.

?I, ANNVER number	Announcement version number is missing and must be entered. Value must be four uppercase alphanumeric characters and cannot be the string "NONE."
?I, ANNVER e	Invalid Announcement Version number was entered. Value must be four uppercase alphanumeric characters and cannot be the string "NONE." The "e" is the invalid value that was entered.
?D, ANN	Announcement ID keyword is missing and must be entered.
?D, ANN number	Announcement ID number is missing and must be entered. Value must be a number within the specified range (1-65535).
?D, ANN f	Invalid Announcement ID was entered. Value must be a number within the specified range (1-65535). The "f" is the invalid Announcement ID that was entered.
?D	Syntax error exists within the data field of the message.
?E	Syntax error in the message but cannot be resolved to the proper field.
?L	The maximum message length of 157 characters has been exceeded.
?T	Time-out has occurred on the message. Input has not been received in 180 seconds, and processing of the message has been aborted.

References

ASN:ANN
COPY:ANN
RCD:ANN
RMV:ANN
VER:MODE1
VER:MODE2
VER:MODE3
VER:MODE4
OP:JOB
STOP:JOB

Stop Messages

STOP:AAP Message

```
STOP:AAP "a"!
```

Site Type

Central Site Master, Central Site Slave, Field Site

Purpose

Stops AAP Application Software or specified AAP process. This message will not stop the UNIX operating system.

Explanation of Arguments

a	Name of one of the following AAP processes. The name must be surrounded by quotation marks (" ").
AAP	AAP System (AAP Applications software).
AAPADM	AAP Administration Process.
AUDIT	Audit Process (only central site master and field sites).
AUDIO	Audio Process (only central site).
BCAST	Bcaster Process (only central site and central site slave).
CI	CAUCS Interface Process (only central site master).
ISDN0	Number zero ISDN Process.
ISDN1	Number one ISDN Process .
ISDN2	Number two ISDN Process (only central site master and slave).
ISDN3	Number three ISDN Process (only central site slave).
ISDN4	Number four ISDN Process (only central site slave).
LANCMD	LAN Commands Process (only central site master and field sites).

LANADM	LAN Administration Process (only central site master and field sites).
MI	Maintenance Interface Process (only central site master and field sites).

Input Message Acknowledgements

IP	In Progress. Request received and initiated. Further output will follow.
RL	Repeat Later. Request cannot be executed now due to UI job queue being full. Use message OP:JOB to list UI jobs on queue. Use message STOP:JOB to remove any unnecessary UI jobs.
?A	Action field contains an error. An error in the first field of the message.
?E	Syntax error exists in the message but cannot be resolved to the proper field.
?L	The maximum message length of 157 characters has been exceeded.
?T	Time-out has occurred on the message. Input has not been received in 180 seconds, and processing of the message has been aborted.

References

INIT:AAP
OP:JOB
STOP:JOB

STOP:JOB Message

STOP:JOB a!

Site Type

Central Site Master, Central Site Slave, Field Site

Purpose

Stops a specified UI job.

Explanation of Arguments

a UI job ID. Use message **OP:JOB** to list UI jobs on queue.

Input Message Acknowledgements

Completed	The specified UI job was stopped.
NG	The specified UI job does not exist.
A	Action field contains an error. An error in the first field of the message.
E	Syntax error exists in the message but cannot be resolved to the proper field.
?I, JOB a	Invalid job ID was entered. Value must be a number within the specified range (0-9999) and listed on the UI job queue. The "a" is the invalid value that was entered.
?L	The maximum message length of 157 characters has been exceeded.
?T	Time-out has occurred on the message. Input has not been received in 180 seconds, and processing of the message has been aborted.

References

OP:JOB

Verify Messages

VER:MODE1 Message

```
VER:MODE1,ANNSET a[,SCS b,SCU c][:[DETL][,UCL]]:ANN {f|f-g}!
```

Site Type

Central Site Master, Field Site

Purpose

Verifies a specified announcement or range of announcements in a specified Announcement Set for version, length, bit-by-bit comparison, and CRC.

Explanation of Arguments

a	Announcement Set (single value A-Z).
b	SCS (single value 0-7; default all).
c	SCU (single value 0-15; default all).
f, f-g	Announcement ID (single value 1-65535 or range of values).
DETL	Output detailed Pass/Fail and Errors. If not present, output summary of Pass/Fail and Errors.
UCL	Output all Errors. If not present, output first Error and quit.

Input Message Acknowledgements

IP	In Progress. Request received and initiated. Further output will follow.
RL	Repeat Later. Request cannot be executed now due to UI job queue being full. Use message OP:JOB to list UI jobs on queue. Use message STOP:JOB to remove any unnecessary UI jobs.
?I, colon	The identification field is missing a colon.
?I, comma	The identification field is missing a comma.

?I, MODE	Mode keyword is missing and must be entered.
?I, ANNSET	Announcement Set keyword is missing and must be entered.
?I,ANNSET name	Announcement Set name is missing and must be entered. Value must be a single uppercase letter.
?I, SCS	Service Circuit System keyword is missing and must be entered.
? SCS number	Invalid Service Circuit System number is missing and must be entered. Value must be a number within the specified range (0-7).
?I, SCS b	Invalid SCS was entered. Value must be a number within the specified range (0-7). The "b" is the invalid value that was entered.
?I, SCU	Service Circuit Unit keyword is missing and must be entered.
?I, SCU number	Invalid Service Circuit Unit number is missing and must be entered. Value must be a number within the specified range (0-15).
?I, SCU c	Invalid Service Circuit Unit was entered. Value must be a number within the specified range (0-15). The "c" is the invalid value that was entered.
?I, DETL and/or UCL	One or more of the following keywords is missing and must be entered: DETL and UCL.
?I, UCL	UCL keyword is missing and must be entered.
?D, ANN	Announcement ID keyword is missing and must be entered.
?D, ANN number	Announcement ID number is missing and must be entered. Value must be a number within the specified range (1-65535) or range of values. If a range of numbers is specified, the first must be less than the second value.
?D, ANN f	Invalid Announcement ID was entered. Value must be a number within the specified range (1-65535) or range of values. If a range of numbers is specified, the first value must be less than the second value. The "f" is the invalid value that was entered.
?D	Syntax error exists within the data field of the message.
?E	Syntax error exists in the message but cannot be resolved to the proper field.

- ?L The maximum message length of 157 characters has been exceeded.
- ?T Time-out has occurred on the message. Input has not been received in 180 seconds, and processing of the message has been aborted.

References

OP:JOB
STOP:JOB

VER:MODE2 Message

```
VER:MODE2,ANNSET a[,SCS b,SCU c][;FILE "e"]:ANN f!
```

Site Type

Central Site Master, Field Site

Purpose

Verifies a specified announcement in a specified Announcement Set by playing the audio data to the speaker/handset or copying the audio data to a specified file in the directory "/usr/aap/tmp". Announcement files are recorded to SCUs using the RCD:ANN message.

Explanation of Arguments

a	Announcement Set (single value A-Z).
b	SCS (single value 0-7; default all).
c	SCU (single value 0-15; default all).
e	Output (from SCS to AAP) announcement file. Announcement file name can contain uppercase/lowercase alphanumeric characters, periods (.), and underlines (_), and must be surrounded by quotation marks (" ").
f	Announcement ID (single value 1-65535).

Input Message Acknowledgements

IP	In Progress. Request received and initiated. Further output will follow.
RL	Repeat Later. Request cannot be executed now due to UI job queue being full. Use message OP:JOB to list jobs on queue. Use message STOP:JOB to remove any unnecessary UI jobs.
?!, colon	The identification field is missing a colon.
?!, comma	The identification field is missing a comma.

?I, MODE	Mode keyword is missing and must be entered.
?I, ANNSET	Announcement Set keyword is missing and must be entered.
?I,ANNSET name	Announcement Set name is missing and must be entered. Value must be a single uppercase letter.
?I, SCS	Service Circuit System keyword is missing and must be entered.
? SCS number	Invalid Service Circuit System number is missing and must be entered. Value must be a number within the specified range (0-7).
?I, SCS b	Invalid Service Circuit System was entered. Value must be a number within the specified range (0-7). The "b" is the invalid value that was entered.
?I, SCU	Service Circuit Unit keyword is missing and must be entered.
?I, SCU number	Invalid Service Circuit Unit number is missing and must be entered. Value must be a number within the specified range (0-15).
?I, SCU c	Invalid Service Circuit Unit was entered. Value must be a number within the specified range (0-15). The "c" is the invalid value that was entered.
?D, FILE	File keyword is missing and must be entered.
?D, FILE name	File name is missing and must be entered. Announcement file name can contain uppercase/lowercase alphanumeric characters, periods (.), and underlines (_), and must be surrounded by quotation marks (" ").
?D, ANN	Announcement ID keyword is missing and must be entered.
?D, ANN number	Announcement ID number is missing and must be entered. Value must be a number within the specified range (1-65535).
?D, ANN f	Invalid Announcement ID was entered. Value must be within the specified range (1-65535). The "f" is the invalid value that was entered.
?D	Syntax error exists within the data field of the message.
?E	Syntax error exists in the message but cannot be resolved to the proper field.
?L	The maximum message length of 157 characters has been exceeded.

?T Time-out has occurred on the message. Input has not been received in 180 seconds, and processing of the message has been aborted.

References

OP:JOB
STOP:JOB

VER:MODE3 Message

```
VER:MODE3,ANNSET a[,SCS b,SCU c][;[DETL][,UCL]]:ANN {f|f-g}!
```

Site Type

Central Site Master, Field Site

Purpose

Verifies a specified announcement or range of announcements in a specified Announcement Set for version, length, and Cyclic Redundancy Checksum (CRC).

Explanation of Arguments

a	Announcement Set (single value A-Z).
b	SCS (single value or 0-7; default all).
c	SCU (single value or 0-15; default all).
f, f-g	Announcement ID (single value 1-65535 or range of values).
DETL	Output detailed Pass/Fail and Errors. If not present, output summary of Pass/Fail and Errors.
UCL	Output all errors. If not present, output first error and quit.

Input Message Acknowledgements

IP	In Progress. Request received and initiated. Further output will follow.
RL	Repeat Later. Request cannot be executed now due to UI job queue being full. Use message OP:JOB to list UI jobs on queue. Use message STOP:JOB to remove any unnecessary UI jobs.
?I, colon	The identification field is missing a colon.
?I, comma	The identification field is missing a comma.
?I, MODE	Mode keyword is missing and must be entered.

?I, ANNSET	Announcement Set keyword is missing and must be entered.
?I,ANNSET name	Announcement Set name is missing and must be entered. Value must be a single uppercase letter.
?I, SCS	Service Circuit System keyword is missing and must be entered.
? SCS number	Invalid Service Circuit System number is missing and must be entered. Value must be a number within the specified range (0-7).
?I, SCS b	Invalid SCS was entered. Value must be a number within the specified range (0-7). The "b" is the invalid value that was entered.
?I, SCU	Service Circuit Unit keyword is missing and must be entered.
?I, SCU number	Invalid Service Circuit Unit number is missing and must be entered. Value must be a number within the specified range (0-15).
?I, SCU c	Invalid SCU was entered. Value must be a number within the specified range (0-15). The "c" is the invalid value that was entered.
?I, DETL ?and/or UCL	One or more of the following keywords are missing and must be entered: DETL and UCL.
?I, UCL	UCL keyword is missing and must be entered.
?D, ANN	Announcement ID keyword is missing and must be entered.
?D, ANN number	Announcement ID number is missing and must be entered. Value must be a number within the specified range (1-65535) or range of values. If a range of numbers is specified, the first value must be less than the second value.
?D, ANN f	Invalid Announcement ID was entered. Value must be within the specified range (1-65535) or range of values. If a range of numbers is specified, the first value must be less than the second value. The "f" is the invalid value that was entered.
?D	Syntax error exists within the data field of the message.
?E	Syntax error exists in the message but cannot be resolved to the proper field.
?L	The maximum message length of 157 characters has been exceeded.

?T Time-out has occurred on the message. Input has not been received in 180 seconds, and processing of the message has been aborted.

References

OP:JOB
STOP:JOB

VER:MODE4 Message

```
VER:MODE4,ANNSET a[,SCS b,SCU c][,UCL]:ANN {d|d-e}!
```

Site Type

Central Site Master, Field Site

Purpose

Verifies a specified announcement in a specified announcement set for bit-by-bit comparison.

Explanation of Arguments

a	Announcement Set (single value A-Z).
b	SCS (single value 0-7; default all).
c	SCU (single value 0-15; default all).
d, d-e	Announcement ID (single value 1-65535 or range of values).
UCL	Output all errors. If not present, output first and quit.

Input Message Acknowledgements

IP	In Progress. Request received and initiated. Further output will follow.
RL	Repeat Later. Request cannot be executed now due to UI job queue being full. Use message OP:JOB to list UI jobs on queue. Use message STOP:JOB to remove any unnecessary UI jobs.
?I, colon	The identification field is missing a colon.
?I, comma	The identification field is missing a comma.
?I, MODE	Mode keyword is missing and must be entered.
?I, ANNSET	Announcement Set keyword is missing and must be entered.
?I,ANNSET name	Announcement Set name is missing and must be entered. Value must be a single uppercase letter.

?I, SCS	Service Circuit System keyword is missing and must be entered.
? SCS number	Invalid Service Circuit System number is missing and must be entered. Value must be a number within the specified range (0-7).
?L, SCS b	Invalid SCS was entered. Value must be a number within the specified range (0-7). The "b" is the invalid value that was entered.
?I, SCU	Service Circuit Unit keyword is missing and must be entered.
?I, SCU number	Invalid Service Circuit Unit number is missing and must be entered. Value must be a number within the specified range (0-15).
?I, SCU c	Invalid SCU was entered. Value must be a number within the specified range (0-15). The "c" is the invalid value that was entered.
?I, UCL	UCL keyword is missing and must be entered.
D, ANN	Announcement ID number is missing and must be entered.
?D, ANN number	Announcement ID number is missing and must be entered. Value must be a number within the specified range (1-65535) or range of values. If a range of numbers is specified, the first value must be less than the second value.
D, ANN d	Invalid Announcement ID was entered. Value must be a number within the specified range (1-65535) or range of values. If a range of numbers is specified, the first value must be less than the second value. The "d" is the invalid value that was entered.
?D	Syntax error exists within the data field of the message.
?E	Syntax error exists in the message but cannot be resolved to the proper field.
?L	The maximum message length of 157 characters has been exceeded.
?T	Time-out has occurred on the message. Input has not been received in 180 seconds, and processing of the message has been aborted.

References

OP:JOB
STOP:JOB

VER:MODE6 Message

```
VER:MODE6[,SCS b,SCU c][;[DETL][,UCL]]:AA {e|e-f}!
```

Site Type

Central Site Master, Field Site

Purpose

Verifies a specified Announcement Mapping Address or range of Announcement Mapping Addresses in Announcement Set N.

Explanation of Arguments

b	SCS (single value 0-7; default all).
c	SCU (single value 0-15; default all).
e, e-f	Announcement Mapping Address (single value 1-511 or range of values).
DETL	Output detailed Pass/Fail and Errors. If not present, output summary of Pass/Fail and Errors.
UCL	Output all errors. If not present, output first error and quit.

Input Message Acknowledgements

IP	In Progress. Request received and initiated. Further output will follow.
RL	Repeat Later. Request cannot be executed now due to UI job queue being full. Use message OP:JOB to list UI jobs on queue. Use message STOP:JOB to remove any unnecessary UI jobs.
?I, colon	The identification field is missing a colon.
?I, comma	The identification field is missing a comma.
?I, MODE	Mode keyword is missing and must be entered.
?I, SCS	Service Circuit System keyword is missing and must be entered.

?I, SCS number	Invalid Service Circuit System number is missing and must be entered. Value must be a number within the specified range (0-7).
?I, SCS b	Invalid SCS was entered. Value must be a number within the specified range (0-7). The "b" is the invalid value that was entered.
?I, SCU	Service Circuit Unit keyword is missing and must be entered.
?I, SCU number	Invalid Service Circuit Unit number is missing and must be entered. Value must be a number within the specified range (0-15).
?I, SCU c	Invalid SCU was entered. Value must be a number within the specified range (0-15). The "c" is the invalid value that was entered.
?I, DETL and/or UCL	One or more of the following keywords are missing and must be entered: DETL and UCL.
?I, UCL	UCL keyword is missing and must be entered.
?D, AA	Announcement Mapping Address keyword is missing and must be entered.
?D, AA number	Announcement ID number or range of numbers is missing and must be entered. Value must be a number within the specified range (1-511). If a range of numbers is specified, the first value must be less than the second value.
?D	Syntax error exists within the data field of the message.
?E	Syntax error exists in the message but cannot be resolved to the proper field.
?L	The maximum message length of 157 characters has been exceeded.
?T	Time-out has occurred on the message. Input has not been received in 180 seconds, and processing of the message has been aborted.

References

OP:JOB
STOP:JOB

PDS Output Messages

4

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PDS Output Messages

4

PDS Output Messages

Output Message Applications

PDS output messages are generated after the AAP has performed certain operations. These operations may be automatically initiated by the AAP applications software or they may be manual requests. Additionally, output messages may be generated in response to any condition within the AAP that requires user notification. The data contained within an output message may be used for such applications as:

- Displaying the contents of a database.
- Determining the AAP's hardware configuration.
- Reviewing the system log.
- Determining whether a manually entered input message executed successfully.

Explanation of Message Fields

The following is an example of a typical output message that is displayed on the AAP console or printed on the AAP printer:

```
M 59 RC:FSITE DLT KEY 99999 Complete
    09/31/92 21:59:30 CST #143
```

The previous output message contains the following eight fields:

M = Priority of action (Manual)
 59 = Abbreviated time (minutes)
 RC:FSITE DLT KEY 99999 = Body of message
 Complete = Results
 09/31/92 = Date
 21:59:30 = Full time
 CST = Time zone
 #143 = Message sequence number.

Each field of an output message conveys a specific type of information. The fields are identified as follows:

- *Priority of action*—Indicates the importance of the message.

Printed Character	Priority	Action
M (two spaces)	Manual Information	Indication of response to manual request Gives information about a specific event or problem
A (space)	Action	Message automatically generated
*(space)	Minor	Accompanied by a minor alarm
**	MAJOR	Accompanied by a major alarm
*C	Critical	Accompanied by a critical alarm

- *Abbreviated time*—Contains the minutes after (past) the hour at which this output message queued to print.
- *Body of message and results*—Presents the message form containing the information for which the message was generated. The message form includes the data, informative text phrases, and results of the input message. A list of the possible “results” is listed as follows.

Output Message Results	Description
AAP System Error	A system error has occurred. Check log file for details.
Audit Failed	Audit has failed. Check log file for details.
Conditional Success	Request was partially completed. Check log file for details.
CONT	Continues. This is a continuation of a previous output message.
Completed	Request accepted and completed.
Failed	The request to all SCUs has failed. Check log file for details.
IP	In progress. Request received and initiated. Further output will follow.
No Update	Recover reports status, no update needed
PF	Printout Follows. An output message will follow.
Request Invalid	An invalid request was received. Check log file for details.
Unknown Error Type	An unknown error has occurred.

- *Date*—The full date (separated by slashes) of when this output message queued to print.
- *Full Time*—The hour, minutes, and seconds (separated by colons) of when this output message queued to print.
- *Time zone*—Time is referenced to the central time zone (CST) and displayed as 24-hour clock.
- *Message sequence number*—A 3-digit number that is automatically assigned to the output message (for a manually-initiated input message) whenever the output is queued for printing. Numbers begin with 000 and increment sequentially up through 999 and then cycle back to 000.

⇒ NOTE:

The message sequence number does not alter the order of printing. The only thing affecting printing order is the output message length. Messages with a short length are printed before those of a longer length. Therefore, messages may be printed out of order.

Occasionally, and as needed, the system may print an “AUTONOMOUS” message. A 4-digit message sequence number, within the range of 1000-1005, is automatically assigned and serves to identify the output as being from an autonomous message.

Formats

Most messages can be printed out in more than one form. The multiple forms that an output message may take, combined with the fact that an output message may display from one to hundreds of lines of output, necessitates that an output message format be flexible. The message formats presented in this document use variables and format notation to summarize the possible forms of each message. Therefore, a few general comments about these elements of output message format are made here.

Throughout this document, uppercase bold letters are used to denote information that is printed out exactly as is. Lowercase letters are used to denote variables, that is, variable information provided by the system or echoed from an input request.

Output message formats occasionally include format notation (brackets [], braces { }, and OR bars |). This happens particularly when an output message begins by echoing the input message to which it is responding and the input message requires format notation for interpretation. Format notation appears only in this document; it is not output.

Appended Information

Occasionally, an output message may be appended with an error number (for example, #1100) and a brief description for the error number. Appendix A provides a listing of all possible error numbers, a detailed explanation of each, and the appropriate methodology for resolving the identified error.

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PDS Output Message Displays

5

Allow Messages

ALW:AUDIT Message

```
M mm ALW:AUDIT KEY {a|ALL} results  
mh/dy/yr hh:mm:ss tz #nnn
```

Explanation of Output Message

M	Priority of action (manual).
mm	Abbreviated time (minutes past the hour).
ALW:AUDIT KEY {a ALL}	Body of input message.

results	Completed—The specified audit is enabled to run. Audit records that are affected by the message are also printed out. CONT (Continues)—This is a continuation of a previous output message. Errors—See Appendix A for a listing of the error codes.
mh/dy/yr	Date (month/day/year).
hh:mm:ss tz	Time (hour:minute:second) and time zone.
#nnn	Message sequence number (0-999).

ALW:SCUEQP Message

```
M mm ALW:SCUEQP KEY {a|ALL} results  
mh/dy/yr hh:mm:ss tz #nnn
```

Explanation of Output Messages

M	Priority of action (manual).
mm	Abbreviated time (minutes).
ALW:SCUEQP KEY {a ALL}	Body of input message.
results	Completed—The specified SCU is enabled to run. SCU Equipage records that are affected by the message are also printed out.
	Errors—See Appendix A for a listing of the error codes.
mh/dy/yr	Date (month/day/year).
hh:mm:ss tz	Time (hour:minute:second) and time zone.
#nnn	Message sequence number (0-999).

Assign Messages

ASN:ANN Message

```
M mm ASN:[SCS a SCU b ]ANN c AA d ANN e results  
mh/dy/yr hh:mm:ss tz #nnn
```

Explanation of Output Message

M	Priority of action (manual).
mm	Abbreviated time (minutes past the hour).
ASN:[SCS a SCU b]ANN c AA d ANN e	Body of input message.
results	Completed—New announcement has been assigned to the Announcement Mapping Address. Errors—See Appendix A for a listing of the error codes.
mh/dy/yr	Date (month/day/year).
hh:mm:ss tz	Time (hour:minute:second) and time zone.
#nnn	Message sequence number (0-999).

AUD Message

Example of TYPE 0 audit output (assignment mapping address). Only error data will be displayed.

```
M mm AUD:KEY a results

ANNOUNCEMENT MAPPING ADDRESS INFORMATION - ERROR DATA
-----
  AA   ANN   SCS   SCU
  2   1020   0     2
  2   1002   0     1
mh/dy/yr hh:mm:ss tz #nnn
```

Example of TYPE 1 audit output (announcement equipped). Only error data will be displayed.

```
M mm AUD:KEY a results

ANNOUNCEMENT INFORMATION - ERROR DATA
-----
ANN  EQU  SCS  SCU
  1   1   0   2   -   -   -   -
  1   0   0   1
mh/dy/yr hh:mm:ss tz #nnn
```

Example of TYPE 2 audit output (statistics). Only error data will be displayed.

```
M mm AUD:KEY a results
ANNOUNCEMENT INFORMATION - ERROR DATA
-----
ANN  LENS CU  SCS  SCU  DISK  RAM  ANNVER      CRC
  2      -    0    2    -    -    -          -
  2     16    0    1    0    0    TEST 46EDE3B8
mh/dy/yr hh:mm:ss tz  #nnn
```

Example of TYPE 3 audio output (bit-by-bit audio data). Only error data will be displayed.

```
M mm AUD:KEY a
mh/dy/yr 07:24:23 ct #421
```

Example of audit output for type 4 (database), TYPE 5 (file system), and TYPE 6 (monitor process alive/dead). Errors are recorded in the log file. Use OP:LOG message to display any errors.

```
M mm AUD:KEY a results
mh/dy/yr hh:mm:ss tz  #nnn
```

Explanation of Output Message

M	Priority of action (manual).
mm	Abbreviated time (minutes past the hour).
AUD:KEY a	Body of input message.
header	ANN—Announcement ID (single value 1-65535). LENSCU—Announcement length (single value 0-255 in SCU seconds). SCS—Service Circuit System number (single value 0-7). SCU—Service Circuit Unit number (single value 0-15). DISK—Disk pair (single value 0-3). RAM—Announcement in announcement memory (0 = NO, 1 = YES). ANNVER—Announcement Version (4 characters). CRC—Announcement checksum.
Results	Completed—The output from the specified audit has completed. PF (Printout Follows)—An output message will follow. CONT (Continues)—This is a continuation of a previous output message. Errors—See Appendix A for a listing of the error codes.
mh/dy/yr	Date (month/day/year).
hh:mm:ss tz	Time (hour:minute:second) and time zone.
#nnn	Message sequence number (0-999).

Autonomous Message

```
pamm Ann header of output message Completed  
mh/dy/yr hh:mm:ss tz #nnnn
```

```
pamm Ann header of output message PF
```

```
body of output message  
mh/dy/yr hh:mm:ss tz #nnnn
```

Explanation of Output Message

pa	Priority of action (see output messages in Section 4 for specific types).
mm	Abbreviated time (minutes past the hour).
Ann	Autonomous message number (01-99). See Appendix B for a list of autonomous messages.
header of message	Header of output message.
body of message	Body of output message.
results	Completed—The output from the autonomous message has completed. PF—Printout Follows. An output message will follow.
mh/dy/yr	Date (month/day/year).
hh:mm:ss tz	Time (hour:minute:second) and time zone.
#nnnn	Message sequence number (1000-1005).

Clear Messages

CLR:ANNUPD Message

```
M mm CLR:ANNUPD results
mh/dy/yr hh:mm:ss tz #nnn
```

Explanation of Output Message

M	Priority of action (manual).
mm	Abbreviated time (minutes past the hour).
CLR:ANNUPD	Body of input message.
results	Completed—The ANNUPD database has been cleared (initialized). Errors—See Appendix A for a listing of the error codes.
mh/dy/yr	Date (month/day/year).
hh:mm:ss tz	Time (hour:minute:second) and time zone.
#nnn	Message sequence number (0-999).

CLR:AUDIT Message

```
M mm CLR:AUDIT results
mh/dy/yr hh:mm:ss tz #nnn
```

Explanation of Output Message

M	Priority of action (manual).
mm	Abbreviated time (minutes past the hour).
CLR:AUDIT	Body of input message.
results	Completed—The AUDIT database has been cleared (initialized). Errors—See Appendix A for a listing of the error codes.
mh/dy/yr	Date (month/day/year).
hh:mm:ss tz	Time (hour:minute:second) and time zone.
#nnn	Message sequence number (0-999).

CLR:CAUCS Message

```
M mm CLR:CAUCS results
mh/dy/yr hh:mm:ss tz #nnn
```

Explanation of Output Message

M	Priority of action (manual).
mm	Abbreviated time (minutes past the hour).
CLR:CAUCS	Body of input message.
results	Completed—The CAUCS database has been cleared (initialized).
	Errors—See Appendix A for a listing of the error codes.
mh/dy/yr	Date (month/day/year).
hh:mm:ss tz	Time (hour:minute:second) and time zone.
#nnn	Message sequence number (0-999).

CLR:FSITE Message

```
M mm CLR:FSITE results
  mh/dy/yr hh:mm:ss tz #nnn
```

Explanation of Output Message

M	Priority of action (manual).
mm	Abbreviated time (minutes past the hour).
CLR:FSITE	Body of input message.
results	Completed—The FSITE database has been cleared (initialized). Errors—See Appendix A for a listing of the error codes.
mh/dy/yr	Date (month/day/year).
hh:mm:ss tz	Time (hour:minute:second) and time zone.
#nnn	Message sequence number (0-999).

CLR:MACHINE Message

```
M mm CLR:MACHINE results
  mh/dy/yr hh:mm:ss tz #nnn
```

Explanation of Output Message

M	Priority of action (manual).
mm	Abbreviated time (minutes past the hour).
CLR:MACHINE	Body of input message.
results	Completed—The MACHINE database has been cleared (initialized).
	Errors—See Appendix A for a listing of the error codes.
mh/dy/yr	Date (month/day/year).
hh:mm:ss tz	Time (hour:minute:second) and time zone.
#nnn	Message sequence number (0-999).

CLR:MEAS Message

```
M mm CLR:MEAS results  
  mh/dy/yr hh:mm:ss tz #nnn
```

Explanation of Output Message

M	Priority of action (manual).
mm	Abbreviated time (minutes past the hour).
CLR:MEAS	Body of input message.
results	Completed—The output from the verification of an announcement or range of announcements in the Announcement Set has completed. Errors—See Appendix A for a listing of the error codes.
mh/dy/yr	Date (month/day/year).
hh:mm:ss tz	Time (hour:minute:second) and time zone.
#nnn	Message sequence number (0-999).

CLR:SCUEQP Message

```
M mm CLR:SCUEQP results
mh/dy/tr hh:mm:ss tz #nnn
```

Explanation of Output Message

M	Priority of action (manual).
mm	Abbreviated time (minutes past the hour).
CLR:SCUEQP	Body of input message.
results	Completed—The SCUEQP database has been cleared (initialized). Errors—See Appendix A for a listing of the error codes.
mh/dy/yr	Date (month/day/year).
hh:mm:ss tz	Time (hour:minute:second) and time zone.
#nnn	Message sequence number (0-999).

CLR:SETEQP Message

```
M mm CLR:SETEQP results
mh/dy/yr hh:mm:ss tz #nnn
```

Explanation of Output Message

M	Priority of action (manual).
mm	Abbreviated time (minutes past the hour).
CLR:SETEQP	Body of input message. Message sequence number (0-999).
results	Completed—The SETEQP database has been cleared (initialized). Errors—See Appendix A for a listing of the error codes.
mh/dy/yr	Date (month/day/year).
hh:mm:ss tz	Time (hour:minute:second) and time zone.
#nnn	

CLR:SLAVE Message

```
M mm CLR:SLAVE results
  mh/dy/yr hh:mm:ss tz #nnn
```

Explanation of Output Message

M	Priority of action (manual).
mm	Abbreviated time (minutes past the hour).
CLR:SLAVE	Body of input message.
results	Completed—The SLAVE database has been cleared (initialized).
	Errors—See Appendix A for a listing of the error codes.
mh/dy/yr	Date (month/day/year).
hh:mm:ss tz	Time (hour:minute:second) and time zone.
#nnn	Message sequence number (0-999).

Copy Message

COPY:ANN Message

```
M mm COPY:ANNSET a SCS b SCU c ANN d [ANNSET e ]SCS f SCU g[DISK h ] [RAM ]ANN i  
ANNVER "j" results  
mh/dy/yr hh:mm:ss tz #nnn
```

Explanation of Output Message

M	Priority of action (manual).
mm	Abbreviated time (minutes past the hour).
COPY:ANNSET a SCS b SCU c ANN d [ANNSET e]SCS f SCU g[DISK h] [RAM] ANN i ANNVER j	Body of input message.
results	Completed—The announcement has been copied to the Announcement Set. Errors—See Appendix A for a listing of the error codes.
mh/dy/yr	Date (month/day/year).
hh:mm:ss tz	Time (hour:minute:second) and time zone.
#nnn	Message sequence number (0-999).

Exit Message

EXIT Message

There is no output message associated with this input message.

Help Message

HELP Message

```
?! Completed
  ALW:AUDIT;KEY {a|ALL}!
  ALW:SCUEQP;KEY {a|ALL}!
  ASN:[SCS a,SCU b,]ANN c,AA d:ANN e!
  AUD:KEY a!
  CLR:ANNUPD!
  CLR:AUDIT!
  CLR:CAUCS!
  CLR:FSITE!
  CLR:MACHINE!
  CLR:MEAS!
  CLR:SCUEQP!
  CLR:SETEQP!
  CLR:SLAVE!
  COPY:ANNSET a,SCS b,SCU c,ANN d:[ANNSET e,]SCS f,SCU g,[DISK h,]
    [RAM,]ANN i,ANNVER "j"!
  EXIT!
  MTCASN:[SCS a,SCU b,]ANN c,AA d:ANN e!
  MTCOPY:ANNSET a,SCS b,SCU c,ANN d:[ANNSET e,]SCS f,SCU g,[DISK h,]
    [RAM,]ANN i,ANNVER "j"!
  MTCPLL:ANNSET a[,SCS b,SCU c][,LANCONT d]!
  MTCRCD:ANNSET a[,SCS b,SCU c][,DISK d][,RAM]:ANN e,ANNVER
    "f",{LEN g|FILE "h"}!
  MTCRMV:ANNSET a[,SCS b,SCU c]:ANN f!
  MTCRPLC:ANNSET a[,SCS b,SCU c],ANN d,ANNVER "e":ANN f!
  MTCVER:MODE1, ANNSET a[,SCS b,SCU c][;[DETL][,UCL]]:ANN {f|f-g}!
  MTCVER:MODE2, ANNSET a[,SCS b,SCU c][;FILE "e":ANN f!
  MTCVER:MODE3, ANNSET a[,SCS b,SCU c][;[DETL][,UCL]]:ANN {f|f-g}!
  MTCVER:MODE4, ANNSET a[,SCS b,SCU c][;UCL]:ANN (d|d-e)!
  MTCVER:MODE6[,SCS b, SCU c][;[DETL][,UCL]]:AA (e|e-f)!
```

HELP Message Contd

```

INH:AUDIT;KEY {a|ALL}!
INH:SCUEQP;KEY {a|ALL}!
INIT:AAP "a"!
OP:ANNUPD!
OP:AUDIT!
OP:BCASTER!
OP:CAUCS!
OP:DISKVER,ANNSET a[,SCS b,SCU c]!
OP:FSITE!
OP:ISDN!
OP:JOB!
OP:LOCOP!
OP:LOG[:[DATE a[,TIME b]][,LIMIT c]]!
OP:MACHINE!
OP:MEAS[;CLR]!
OP:SCUEQP!
OP:SETEQP!
OP:SLAVE!
OP:UPD:DAYWK a[,TIME b][,LIMIT c]!
PFILE:FILE "a"!
POLL:ANNSET a[,SCS b,SCU c][,LANCONT d]!
RC:ANNUPD;DLT,KEY a!
RC:AUDIT;ADD,KEY a:TYPE b,ANNSET c,FROM d,TO e,UCL f,MO g,DAYMO h,
    DAYWK i,HR j,MIN k!
RC:AUDIT;CHG,KEY a:{KEY a|TYPE b|ANNSET c|FROM d|TO e|UCL f|MO g|
    DAYMO h|DAYWK i|HR j|MIN k}!
RC:AUDIT;DLT,KEY a!
RC:FSITE;ADD,KEY a:OFID b,PRIPN "c",SECPN "d",CLLI "e"!
RC:FSITE;CHG,KEY a:{KEY a|OFID b|PRIPN "c"|SECPN "d"|CLLI "e"}!
RC:FSITE;DLT,KEY a!
RC:MACHINE;ADD,KEY a:OFID b,CLLI "c",TYPE d,LVL e!
RC:MACHINE;CHG,KEY a:{KEY a|OFID b|CLLI "c"|TYPE d|LVL e}!
RC:MACHINE;DLT,KEY a!
RC:SCUEQP;ADD,KEY a:ANNSET b,SCS c,SCU d,LANADR {X'e|DFLT}!
RC:SCUEQP;CHG,KEY a:{KEY a|ANNSET b|SCS c|SCU d|LANADR {X'e|DFLT}}!
RC:SCUEQP;DLT,KEY a!
RC:SETEQP;ADD,KEY a:ANNSET b,SETADR {X'c|DFLT},SETNUM d!
RC:SETEQP;CHG,KEY a:{KEY a|ANNSET b|SETADR {X'c|DFLT}|SETNUM d}!
RC:SETEQP;DLT,KEY a!
RC:SLAVE;ADD,KEY a:CSID b,ISOID X'c!
RC:SLAVE;CHG,KEY a:{KEY a|CSID b|ISOID X'c}!
RC:SLAVE;DLT,KEY a!
RCD:ANNSET a[,SCS b,SCU c][,DISK d][,RAM]:ANN e,ANNVER "f",{LEN g|
    FILE "h"}!
RFILE:FILE "a":LEN b!

```

HELP Message Contd

```

RMV:ANNSET a[,SCS b,SCU c]:ANN f!
RPLC:ANNSET a[,SCS b,SCU c],ANN d,ANNVER "e":ANN f!
STOP:AAP "a"!
STOP:JOB a!
VER:MODE1,ANNSET a[,SCS b,SCU c][:[DETL][,UCL]]:ANN {f|f-g}!
VER:MODE2,ANNSET a[,SCS b,SCU c][:FILE "e"]:ANN f!
VER:MODE3,ANNSET a[,SCS b,SCU c][:[DETL][,UCL]]:ANN {f|f-g}!
VER:MODE4,ANNSET a[,SCS b,SCU c][:UCL]:ANN {d|d-e}!
VER:MODE6[,SCS b,SCU c][:[DETL][,UCL]]:AA {e|e-f}!
mh/dy/yr hh:mm:ss tz #nnn

R?! Completed
RC:ANNUPD;DLT,KEY a!
RC:AUDIT;ADD,KEY a:TYPE b,ANNSET c,FROM d,TO e,UCL f,MO g,DAYMO h,
  DAYWK i,HR j,MIN k!
RC:AUDIT;CHG,KEY a:{KEY a|TYPE b|ANNSET c|FROM d|TO e|UCL f|MO g|
  DAYMO h|DAYWK i|HR j|MIN k}!
RC:AUDIT;DLT,KEY a!
RC:FSITE;ADD,KEY a:OFID b,PRIPN "c",SECPN "d",CLLI "e"!
RC:FSITE;CHG,KEY a:{KEY a|OFID b|PRIPN "c"|SECPN "d"|CLLI "e"}!
RC:FSITE;DLT,KEY a!
RC:MACHINE;ADD,KEY a:OFID b,CLLI "c",TYPE d,LVL e!
RC:MACHINE;CHG,KEY a:{KEY a|OFID b|CLLI "c"|TYPE d|LVL e}!
RC:MACHINE;DLT,KEY a!
RC:SCUEQP;ADD,KEY a:ANNSET b,SCS c,SCU d,LANADR {X'e|DFLT}!
RC:SCUEQP;CHG,KEY a:{KEY a|ANNSET b|SCS c|SCU d|LANADR {X'e|DFLT}}!
RC:SCUEQP;DLT,KEY a!
RC:SETEQP;ADD,KEY a:ANNSET b,SETADR {X'c|DFLT},SETNUM d!
RC:SETEQP;CHG,KEY a:{KEY a|ANNSET b|SETADR {X'c|DFLT}|SETNUM d}!
RC:SETEQP;DLT,KEY a!
RC:SLAVE;ADD,KEY a:CSID b,ISOID X'c!
RC:SLAVE;CHG,KEY a:{KEY a|CSID b|ISOID X'c}!
RC:SLAVE;DLT,KEY a!
RCD:ANNSET a[,SCS b,SCU c][,DISK d][,RAM]:ANN e,ANNVER "f",{LEN g|
  FILE "h"}!
RFILE:FILE "a":LEN b!
RMV:ANNSET a[,SCS b,SCU c]:ANN f!
RPLC:ANNSET a[,SCS b,SCU c],ANN d,ANNVER "e":ANN f!
mh/dy/yr hh:mm:ss tz #nnn

RCD?! Completed
RCD:ANNSET a[,SCS b,SCU c][,DISK d][,RAM]:ANN e,ANNVER "f",{LEN g|
  FILE "h"}!
mh/dy/yr hh:mm:ss tz #nnn

```

Explanation of Output Message

None

Inhibit Messages

INH:AUDIT Message

```
M mm INH:AUDIT KEY a results  
mm/dy/yr hh:mm:ss tz #nnn
```

Explanation of Output Message

M	Priority of action (manual).
mm	Abbreviated time (minutes past the hour).
INH:AUDIT KEY a	Body of input message.
results	Completed—The AUDIT database has been cleared (initialized). Audit records that are affected by the message are also printed out. Errors—See Appendix A for a listing of the error codes.
mh/dy/yr	Date (month/day/year).
hh:mm:ss tz	Time (hour:minute:second) and time zone.
#nnn	Message sequence number (0-999).

INH:SCUEQP Message

```
M mm INH:SCUEQP KEY {a|ALL} results  
mh/dy/yr hh:mm:ss tz #nnn
```

Explanation of Output Message

M	Priority of action (manual).
mm	Abbreviated time (minutes past the hour).
INH:SCUEQP KEY {a ALL}	Body of input message.
results	Completed—The specified SCU is inhibited from running. SCU Equipage records that are affected by the message are also printed out. PF (Printout Follows)—An output message will follow. Errors—Refer Appendix A for a listing of the error codes.
mh/dy/yr	Date (month/day/year).
hh:mm:ss tz	Time (hour:minute:second) and time zone.
#nnn	Message sequence number (0-999).

Initialize Message

INIT:AAP

```
M mm INIT:AAP a results
mh/dy/yr hh:mm:ss tz #nnn
```

Explanation of Output Message

M	Priority of action (manual).
mm	Abbreviated time (minutes past the hour).
INIT:AAP ‘a’	Body of input message.
results	Completed—The AAP Application Software or specified AAP process has been initialized (stopped and restarted). IP (In Progress)—Request received and initiated. Further output will follow. Errors—See Appendix A for a listing of the error codes.
mh/dy/yr	Date (month/day/year).
hh:mm:ss tz	Time (hour:minute:second) and time zone.
#nnn	Message sequence number (0-999).

Maintenance Messages

MTCASN:ANN Message

```
M mm MTCASN:[SCS a SCU b ]ANN c AA d ANN e results  
mh/dy/yr hh:mm:ss tz #nnnn
```

Explanation of Output Message

M	Priority of action (manual).
mm	Abbreviated time (minutes past the hour).
MTCASN:[SCS a SCU b]ANN c AA d ANN e	Body of input message.
results	Completed—New announcement has been assigned to the Announcement Mapping Address. IP (In Progress)—Request received and initiated. Further output will follow. Errors—See Appendix A for a listing of the error codes.
mh/dy/yr	Date (month/day/year).
hh:mm:ss tz	Time (hour:minute:second) and time zone.
#nnn	Message sequence number (0-999).

MTCCOPY:ANN Message

```
M mm MTCCOPY:ANNSET a SCS b SCU c ANN d [ANNSET e ]SCS f SCU g [DISK h ]  
      [RAM ]ANN i ANNVER "j" results  
mh/dy/yr hh:mm:ss tz #nnn
```

Explanation of Output Message

M	Priority of action (manual).
mm	Abbreviated time (minutes past the hour).
MTCCOPY:ANNSET a SCS b SCU c ANN d [ANNSET e]SCS f SCU g [DISK h] [RAM]ANN i ANNVER "j"	Body of input message.
results	Completed—The announcement has been removed from the Announcement Set. IP (In Progress)—Request received and initiated. Further output will follow. Errors—See Appendix A for a listing of the error codes.
mh/dy/yr	Date (month/day/year).
hh:mm:ss tz	Time (hour:minute:second) and time zone.
#nnn	Message sequence number (0-999).

MTC POLL:ANNSET Message

```
M mm MTC POLL:ANNSET a[ SCS b SCU c][ LANCONT d] results  
mh/dy/yr hh:mm:ss tz #nnn
```

Explanation of Output Message

M	Priority of action (manual).
mm	Abbreviated time (minutes past the hour).
MTC POLL:ANNSET a [SCS b SCU c] [LANCONT d]	Body of input message.
results	Completed—The announcement has been removed from the Announcement Set. Errors—See Appendix A for a listing of the error codes.
mh/dy/yr	Date (month/day/year).
hh:mm:ss tz	Time (hour:minute:second) and time zone.
#nnn	Message sequence number (0-999).

MTCRCD:ANN Message

```
M mm MTCRCD:ANNSET a[ SCS b SCU c][ DISK d][ RAM] ANN e ANNVER "f"
      {LEN g|FILE "h"} results
      length checksum
      mh/dy/yr hh:mm:ss tz #nnn
```

Explanation of Output Message

M	Priority of action (manual).
mm	Abbreviated time (minutes past the hour).
MTCRCD:ANNSET a[SCS b SCU c][DISK d] [RAM] ANN e ANNVER f {LEN g FILE h}	Body of input message.
length	Length of announcement recorded in SCU seconds. The actual announcement length can be calculated by multiplying the "length" by 1.024. The only exception is a zero unit length announcement is actually a half a second long.
checksum	Announcement checksum.
results	Completed—The announcement has been removed from the Announcement Set. IP (In Progress)—Request received and initiated. Further output will follow. Ready to Record—The AAP system is ready to record the announcement. Push the tape player <i>PLAY</i> button (only central site master). Errors—See Appendix A for a listing of the error codes.
mh/dy/yr	Date (month/day/year).
hh:mm:ss tz	Time (hour:minute:second) and time zone.
#nnn	Message sequence number (0-999).

MTCRMV:ANNSET Message

```
M mm MTCRMV:ANNSET a [ SCS b SCU c]:ANN d results  
mh/dy/yr hh:mm:ss tz #nnn
```

Explanation of Output Message

M	Priority of action (manual).
mm	Abbreviated time (minutes past the hour).
MTCRMV:ANNSET a [SCS b SCU c] ANN d	Body of input message.
results	Completed—The announcement has been removed from the Announcement Set. IP (In Progress)—Request received and initiated. Further output will follow. Errors—See Appendix A for a listing of the error codes.
mh/dy/yr	Date (month/day/year).
hh:mm:ss tz	Time (hour:minute:second) and time zone.
#nnn	Message sequence number (0-999).

MTCRPLC:ANNSET Message

```
M mm MTCRPLC:ANNSET a [SCS b SCU c ]ANN d ANNVER "e" ANN f results  
mh/dy/yr hh:mm:ss tz #nnn
```

Explanation of Output Message

M	Priority of action (manual).
mm	Abbreviated time (minutes past the hour).
MTCRPLC:ANNSET a[SCS b SCU c]ANN d ANNVER "e" ANN f	Body of input message.
results	Completed—The announcement has been removed from the Announcement Set. IP (In Progress)—Request received and initiated. Further output will follow. Errors—See Appendix A for a listing of the error codes.
mh/dy/yr	Date (month/day/year).
hh:mm:ss tz	Time (hour:minute:second) and time zone.
#nnn	Message sequence number (0-999).

MTCVER:MODE1 Message

```

M mm MTCVER:MODE1 ANNSET a[ SCS b SCU c][ [DETL][ UCL]] ANN {f|f-g} results
TOTAL SCUs ATTEMPTED 2

ANNOUNCEMENT INFORMATION - CORRECT DATA
-----
ANN  LENSUCU  DISK  RAM  ANNVER      CRC
  1      6      0      0    TEST 1B6E7BEC
65535      8      0      0    TEST 2448EF57

ANNOUNCEMENT INFORMATION - ERROR DATA
-----
ANN  LENSUCU  SCS  SCU  DISK  RAM  ANNVER      CRC
  2      -      0      2      -      -      -      -
  2     16      0      1      0      0    TEST 46EDE3B8
mh/dy/yr hh:mm:ss tz #nnn

```

Explanation of Output Message

M Priority of action (manual).
mm Abbreviated time (minutes past the hour).
MTCVER:MODE1 Body of input message.
ANNSET a[SCS b SCU c]
[[DETL][UCL]] ANN
{f|f-g}

TOTAL SCUs ATTEMPTED

The total number of SCUs that were successfully polled for information.

header

ANN—Announcement ID (single value 1-65535).
LENSUCU—Announcement length (single value 0-255 in SCU seconds).
SCS—Service Circuit System number (single value 0-7).
SCU—Service Circuit Unit number (single Value 0-15).
DISK—Disk pair (single value 0-3).
RAM—Announcement in announcement memory (0 = NO, 1 = YES).
ANNVER—Announcement Version (4 characters).
CRC—Announcement checksum.

results	Completed—The announcement has been removed from the Announcement Set. IP (In Progress)—Request received and initiated. Further output will follow. Errors—See Appendix A for a listing of the error codes.
mh/dy/yr	Date (month/day/year).
hh:mm:ss tz	Time (hour:minute:second) and time zone.
#nnn	Message sequence number (0-999).

MTCVER:MODE2 Message

```
M mm MTCVER:MODE2 ANNSET a[ SCS b SCU c][ FILE "e"] ANN f results  
mh/dy/yr hh:mm:ss tz #nnn
```

Explanation of Output Message

M	Priority of action (manual).
mm	Abbreviated time (minutes past the hour).
MTCVER:MODE2 ANNSET a[SCS b SCU c][FILE "e" ANN f	Body of input message.
results	Completed—The announcement has been removed from the Announcement Set. IP (In Progress)—Request received and initiated. Further output will follow. Errors—Refer to Appendix A for a listing of the error codes.
mh/dy/yr	Date (month/day/year).
hh:mm:ss tz	Time (hour:minute:second) and time zone.
#nnn	Message sequence number (0-999).

MTCVER:MODE3 Message

```
M mm MTCVER:MODE3 ANNSET a[ SCS b SCU c][ [DETL][ UCL]] ANN {f|f-g} results
TOTAL SCUs ATTEMPTED 2
```

```
ANNOUNCEMENT INFORMATION - CORRECT DATA
```

```
-----
ANN  LENSCU  DISK  RAM  ANNVER      CRC
  1      6      0      0    TEST 1B6E7BEC
65535      8      0      0    TEST 2448EF57
```

```
ANNOUNCEMENT INFORMATION - ERROR DATA
```

```
-----
ANN  LENSCU  SCS  SCU  DISK  RAM  ANNVER      CRC
  2      -      0      2      -      -      -      -
  2     16      0      1      0      0    TEST 46EDE3B8
mh/dy/yr hh:mm:ss tz #nnn
```

Explanation of Output Message

M Priority of action (manual).

mm Abbreviated time (minutes past the hour).

MTCVER:MODE3 Body of input message.

**ANNSET a[SCS b SCU
c][[DETL][UCL]] ANN
{f|f-g}**

TOTAL SCU_s ATTEMPTED

The total number of SCUs that were successfully polled for information.

header

ANN—Announcement ID (single value 1-65535). **LENS_{CU}**—Announcement length (single value 0-255 in SCU seconds).

SCS—Service Circuit System number (single value 0-7).

SCU—Service Circuit Unit number (single Value 0-15).

DISK—Disk pair (single value 0-3).

RAM—Announcement in announcement memory (0 = NO, 1 = YES).

ANNVER—Announcement Version (4 characters).

CRC—Announcement checksum.

results	Completed—The announcement has been removed from the Announcement Set. IP (In Progress)—Request received and initiated. Further output will follow. PF (Printout Follows)—An output message will follow. CONT (Continues)—This is a continuation of a previous output message. Errors—See Appendix A for a listing of the error codes.
mh/dy/yr	Date (month/day/year).
hh:mm:ss tz	Time (hour:minute:second) and time zone.
#nnn	Message sequence number (0-999).

MTCVER:MODE4 Message

```
M mm MTCVER:MODE4 ANNSET a[ SCS b SCU c][ UCL] ANN {d|d-e} results
TOTAL SCUs ATTEMPTED 3
```

```
ANNOUNCEMENT INFORMATION - ERROR DATA
```

```
-----
ANN BYTECOUNT SCS SCU ERROR
1 2048 0 1
1 2048 0 2 CONTENT
1 4096 0 3 LENGTH
mh/dy/yr hh:mm:ss tz #nnn
```

Explanation of Output Message

M	Priority of action (manual).
mm	Abbreviated time (minutes past the hour).
MTCVER:MODE4 ANNSET a[SCS b SCU c][UCL] ANN {d d-e}	Body of input message.
header	ANN—Announcement ID (single value 1-65535). BYTECOUNT—Announcement length (bytes). SCS—Service Circuit System number (single value 0-7). SCU—Service Circuit Unit number (single value 0-15). ERROR—Error type (LENGTH - the length of announcement is not the same; CONTENT - the length of the announcement is the same but the content of the announcements is not the same).
results	Completed—The announcement has been removed from the Announcement Set. IP (In Progress)—Request received and initiated. Further output will follow. Errors—See Appendix A for a listing of the error codes.
mh/dy/yr	Date (month/day/year).
hh:mm:ss tz	Time (hour:minute:second) and time zone.
#nnn	Message sequence number (0-999).

MTCVER:MODE6 Message

```

M mm MTCVER:MODE6[ SCS b c][ [DETL][ UCL]] AA {e|e-f} results
TOTAL SCUs ATTEMPTED 2

ANNOUNCEMENT MAPPING ADDRESS INFORMATION - CORRECT DATA
-----
AA    ANN
 1   1001
 3   1003

ANNOUNCEMENT MAPPING ADDRESS INFORMATION - ERROR DATA
-----
AA    ANN  SCS  SCU
 2   1020   0   2
 2   1002   0   1
mh/dy/yr  hh:mm:ss tz  #nnn

```

Explanation of Output Message

M	Priority of action (manual).
mm	Abbreviated time (minutes past the hour).
MTCVER:MODE6[SCS b SCU c] [[DETL] [UCL]] AA {e e-f}	Body of input message.
TOTAL SCUs ATTEMPTED	The total number of SCUs that were successfully polled for information.
header	AA—Announcement mapping address (single value 1-511). ANN—Announcement ID (single value 1-65535). SCS—Service Circuit System number (single value 0-7). SCU—Service Circuit Unit number (single value 0-15).
results	Completed—The announcement has been removed from the Announcement Set. IP (In Progress)—Request received and initiated. Further output will follow. PFP (Printout Follows)—An output message will follow. CONT (Continues)—This is a continuation of a previous output message. Errors—See Appendix A for a listing of the error codes.

mh/dy/yr	Date (month/day/year).
hh:mm:ss tz	Time (hour:minute:second) and time zone.
#nnn	Message sequence number (0-999).

Output Messages

OP:ANNUPD Message

```

M mm OP:ANNUPD results
  KEY   ANNSET SCS  SCU TYPE ANNFROM ANNTO ANNVER LENSUCU RAM DISK AA
    0     S    7   15 RPLC   344   346   SR01
50000    S    4    0 ASN    346           WARD           121
87345    N    7   14 RCD   65535          SAM1    0   1   1
99999    N    7   14 RMV   65535
mh/dy/yr hh:mm:ss  tz #nnn

```

Explanation of Output Message

- M** Priority of action (manual).
- mm** Abbreviated time (minutes past the hour).
- OP:ANNUPD** Body of input message.
- Database header**
- KEY—Database key (single value 0-99999).
 - ANNSET—Announcement Set (single value A-Z).
 - SCS—Service Circuit System number (single value 0-7).
 - SCU—Service Circuit Unit (single value 0-15).
 - TYPE—Announcement update type (RCD, ASN, RMV, or RPLC) (record, assign, remove, or replace).
 - ANNFROM—From announcement ID range (single value 1-65535).
 - ANNTO—To announcement ID range (single value 1-65535).
 - ANNVER—Announcement Version (4 characters).
 - LENSUCU—Announcement length (single value 0-255 in SCU seconds).
 - RAM—Announcement in announcement memory (0 = NO, 1 = YES).
 - DISK—Disk pair (single value 0-3).
 - AA—Announcement mapping address (single value 1-511).

results Completed—The output from the ANNUPD database has completed.
PF (Printout Follows)—An output message will follow.
CONT (Continues)—This is a continuation of a previous output message.
Errors. See Appendix A for a listing of the error codes.

mh/dy/yr Date (month/day/year).

hh:mm:ss tz Time (hour:minute:second) and time zone.

#nnn Message sequence number (0-999).

OP:AUDIT Message

```

M mm OP:AUDIT results
  KEY TYPE ANNSET FROM TO UCL MO DAYMO DAYWK HR MIN ENA ACT
    0 1 N 1 65535 0 * * * 1 00 1 1
    1 1 S 1 65535 0 1 1 0 1 00 0 0
99999 0 N 1 511 1 12 30 * 23 59 1 1
mh/dy/yr hh:mm:ss tz #nnn

```

Explanation of Output Message

M	Priority of action (manual).
mm	Abbreviated time (minutes past the hour).
OP:AUDIT	Body of input message.
database header	<p>KEY—Database Key (single value 0-99999).</p> <p>TYPE—Audit type (single value 0-6). 0 = assignment mapping address, 1 = announcement equipped, 2 = statistics, 3 = bit by bit audio data, 4 = database, 5 = file system, and 6 = monitor process alive/dead.</p> <p>ANNSET—Announcement Set (single value A-Z).</p> <p>FROM—From Announcement IS range (single value 1-65535) or Announcement Mapping Address (single value 1-511).</p> <p>TO—To Announcement ID range (single value 1-65535) or Announcement Mapping Address (single value 1-511).</p> <p>UCL—Unconditional Audit (0 = conditional, 1 = unconditional).</p> <p>MO—Month (single value 1-12 or * that means every month).</p> <p>DAYMO—Day of the Month (single value 1-31 or * that means every day of the month).</p> <p>DAYWK—Day of the Week (single value 0-6 with 0 = Sunday or * that means every day of the week).</p>

	HR—Hour (single value 0-23 or * that means every hour).
	MIN—Minute (single value 0-59 or * that means every minute).
	ENA—Enable audio (0 = NO, 1 = YES). Use message <i>INH:AUDIT</i> or <i>ALW:AUDIT</i> to inhibit (disable) or allow (enable) respectively the running of a specified audit.
	ACT—Audit active (0 = NO, 1 = YES).
results	Completed—The output from the Audit database has completed.
	PF (Printout Follows)—An output message will follow.
	CONT (Continues)—This is a continuation of a previous output message.
	Errors—See Appendix A for a listing of the error codes.
mh/dy/yr	Date (month/day/year).
hh:mm:ss tz	Time (hour:minute:second) and time zone.
#nnn	Message sequence number (0-999).

OP:BCASTER Message

```

M mm OP:BCASTER results

Example of the autonomous output message {this line not displayed}.

M mm A04 Central Site Bcaster Process Status results

  APID   UPID   CSID   FSID   ISDN_BN   ACT
    1    11907    1     3         1         1
    2    11908    1     4         2         1
    3    11909    1     5         0         1
    4    11910    1     6         1         1
    5    11911    1     7         2         1
    6    11912    1     8         0         1
    7    11913    1     9         1         1
    8    11914    1    10         2         1
    9    11915    1    11         0         1
   10    11916    1    12         1         1
   11    11917    1     0         0         0
M mm A04 Central Site Bcaster Process Status Completed

mh/dy/yr hh:mm:ss tz #nn

```

Explanation of Output Message

M	Priority of action (manual).
mm	Abbreviated time (minutes past the hour).
OP:BCASTER	Body of input message.
Bcaster Process Status header	APID—AAP process ID (single value 0-99999). UPID—UNIX System Process ID (single value 1-30000). CSID—Central site office ID (single value 1-32000). FSID—Field site office ID (single value 1-32000). ISDN_BN—ISDN Board number (single value 0-4). ACT—Bcaster active (0 = not in use, 1 = in use).
results	Completed—The output has completed. PF (Printout Follows)—An output message will follow. CONT (Continues)—This is a continuation of a previous output message. Errors—See Appendix A for a listing of the error codes.

mh/dy/yr	Date (month/day/year).
hh:mm:ss tz	Time (hour:minute:second) and time zone.
#nnn	Message sequence number (0-999).
#nnnn	Message sequence number (1000-1005).

OP:CAUCS Message

```

M mm OP:CAUCS  results

      KEY  TYPE  PTAG  ITAG  OFTAG
1010   1     1     0     A
99999  12    99     1     X
mh/dy/yr  hh:mm:ss  tz  #nnn

```

Explanation of Output Message

M	Priority of action (manual).
mm	Abbreviated time (minutes past the hour).
OP:CAUCS	Body of input message.
Database header	<p>KEY—Database key (single value 1010-99999).</p> <p>TYPE—Request type (single value 1-9, 11, 12; 1 = disconnect request, 2 = record request, 3 = delete request, 4 = replace request, 5 = assign request, 6 = verify mode3 request, 7 = verify mode4 request, 8 = verify mode5 request, 9 = verify mode6 request, 11 = upload request, and 12 = central site record request).</p> <p>PTAG—Priority tag (single value 1-99).</p> <p>ITAG—In-progress tag (0 = NO, 1 = YES).</p> <p>OFTAG—Office tag (single value A C E L X; A = all sites, C = central site only. E = all sites except central site, L = all sites listed, X = all sites except those listed).</p>
results	<p>Completed—The output from the CAUCS database has completed.</p> <p>PF (Printout Follows)—An output message will follow.</p> <p>CONT (Continues)—This is a continuation of a previous output message.</p> <p>Errors—See Appendix A for a listing of the error codes.</p>

mh/dy/yr	Date (month/day/year).
hh:mm:ss tz	Time (hour:minute:second) and time zone.
#nnn	Message sequence number (0-999).

OP:DISKVER Message

M mm OP:DISKVER ANNSET a[SCS b SCU c] results

HARDWARE INFORMATION - CORRECT DATA

DISK PAIR	FREE RAM	USED RAM	FREE DISK	USED DISK
0	1024	0	93244	84

SOFTWARE INFORMATION - CORRECT DATA

SW VERSION	SW FILE
OA94/04/07 17:05:22U<12>3.000	3

mh/dy/yr hh:mm:ss tz #nnn

M mm OP:DISKVER ANNSET a[SCS b SCU c] results

HARDWARE INFORMATION - ERROR DATA

SCS	SCU	DISK PAIR	BUS DATA	FREE RAM	USED RAM	FREE DISK	USED DISK
0	1	0	0	1024	0	93244	84
0	1	0	0	1024	0	93244	84
0	2	0	0	1024	0	478864	0
0	2	0	1	1024	0	478864	0

SOFTWARE INFORMATION - CORRECT DATA

SW VERSION	SW FILE
OA94/04/07 17:05:22U<12>3.000	3

mh/dy/yr hh:mm:ss tz #nnn

```

M mm OP:DISKVER ANNSET a[ SCS b SCU c ] results

      HARDWARE INFORMATION - CORRECT DATA
      -----
DISK PAIR  FREE RAM  USED RAM  FREE DISK  USED DISK
          0           1024         0      93244      84

      SOFTWARE INFORMATION - ERROR DATA
      -----
SCS SCU      SW VERSION          SW FILE  BUS
  0   1   OA94/04/07 17:05:22U<12>3.000    3      0
  0   2   OA94/02/17 22:49:20U<12>1.003    3      0
mh/dy/yr hh:mm:ss  tz #nnn

```

```

M mm OP:DISKVER ANNSET a[ SCS b SCU c ] results

      HARDWARE INFORMATION - ERROR DATA
      -----
SCS SCU  DISK PAIR  BUS DATA  FREE RAM  USED RAM  FREE DISK  USED DISK
  0   1     0         0         1024     0      93244     84
  0   1     0         1         1024     0      93244     84
  0   2     0         0         1024     0     478864     0
  0   1     0         1         1024     0     478864     0

      SOFTWARE INFORMATION - ERROR DATA
      -----
SCS SCU      SW VERSION          SW FILE  BUS
  0   1   OA94/04/07 17:05:22U<12>3.000    3      0
  0   2   OA94/02/17 22:49:20U<12>1.003    3      0
mh/dy/yr hh:mm:ss  tz #nnn

```

Explanation of Output Message

M Priority of action (manual).

mm Abbreviated time (minutes past the hour).

OP:DISKVER ANNSET a[SCS b SCU c][DISK d] Body of input message.

HARDWARE header SCS—SCS number.
 SCU—SCU number.
 DISK PAIR—Disk pair (x).
 FREE RAM—Available SCU random access memory (number of SCU seconds available).
 USED RAM—Used SCU random access memory (number of SCU seconds used).

	FREE DISK—Available SCU disk space (number of SCU seconds available).
	USED DISK—Used SCU disk space (number of SCU seconds used).
	BUS DATA—SCU bus data.
	SCU—SCU number.
SOFTWARE header	SW VERSION—Software version.
	SW FILE—Software file.
	BUS—SCU bus.
	SCS—SCS number.
	SCU—SCU number.
results	Completed—The output of the disk version has completed.
	PF (Printout Follows)—An output message will follow.
	CONT (Continues)—This is a continuation of a previous output message.
	Errors—See Appendix A for a listing of the error codes.
mh/dy/yr	Date (month/day/year).
hh:mm:ss tz	Time (hour:minute:second) and time zone.
#nnn	Message sequence number (0-999).

OP:FSITE Message

```

M mm OP:FSITE results
  KEY  OFID  PRIPN                      SECPN                      CLLI
    0    1  18003215678                18003215679                1234567890
99999 32000 1234567890123456789012345 1234567890123456789012345 ABCDEFGHIJ
mh/dy/yr hh:mm:ss tz #nnn

```

Explanation of Output Message

M	Priority of action (manual).
mm	Abbreviated time (minutes past the hour).
OP:FSITE	Body of input message.
Database header	KEY—Database key (single value 0-99999). OFID—Office ID (single value 1-32000). PRIPN—Primary phone number (maximum 25 numeric digits). SECPN—Secondary phone number (maximum 25 numeric digits). CLLI—Common Language Location Identification number (maximum 10 upper case alphanumeric characters).
results	Completed—The output from the FSITE database has completed. PF (Printout Follows)—An output message will follow. CONT (Continues)—This is a continuation of a previous output message. Errors—See Appendix A for a listing of the error codes.
mh/dy/yr	Date (month/day/year).
hh:mm:ss tz	Time (hour:minute:second) and time zone.
#nnn	Message sequence number (0-999).

OP:ISDN Message

M mm OP:ISDN results

Explanation of the autonomous output message {this line not displayed}.

M mm A02 ISDN board #0 located in machine #1 is operational Completed
mh/dy/yr hh:mm:ss tz #nnn

M mm A02 ISDN board #4 located in machine #999 is operational Completed
mh/dy/yr hh:mm:ss tz #nnn

M mm A02 ISDN board #2 located in machine #1 is not operational Completed
mh/dy/yr hh:mm:ss tz #nnn

M mm A05 ISDN Board Status results

CSID	BN	ENA	CH	COMPLETIONS	FAILURES
1	0	1	23	2699	17
999	4	1	23	2708	8
1	2	0	0	2707	7

mh/dy/yr hh:mm:ss tz #nnnn

Explanation of Output Message

M	Priority of action (manual).
mm	Abbreviated time (minutes past the hour).
OP:ISDN	Body of input message.
#nnnn	Message sequence number (1000-1005).
ISDN Board Status	CSID—Central site office ID (single value 0-99999). BN—Board number (single value 0-4). ENA—Board enabled (0 = NO, 1 = YES). CH—Number of active channels (single value 0-23). COMPLETIONS—Total number of connections completed on this board (0-4292967295). FAILURES—Total number of connections failed on this board (0-4294967295).
results	Completed—The output from the ISDN database has completed. PF (Printout Follows)—An output message will follow.

CONT (Continues)—This is a continuation of a previous output message.

Errors—See Appendix A for a listing of the error codes.

mh/dy/yr

Date (month/day/year).

hh:mm:ss tz

Time (hour:minute:second) and time zone.

#nnn

Message sequence number (0-999).

OP:JOB Message

There is no output message associated with this input message.

OP:LOCOP Message

```

M mm OP:LOCOP results
ANNSE SCS SCU TYPE ANNFR ANNTO ANNVE LENSUCU RAM DISK AA TIME
S 7 15 RPLC 344 346 SR01 08/11/92 14:22:31
S 4 0 ANS 346 WARD 121 08/11/92 14:22:33
N 7 14 RCD 65535 SAM1 0 1 1 08/11/92 14:22:34
N 7 14 RMV 65535 08/11/92 14:22:35
mh/dy/yr hh:mm:ss tz #nnn

```

Explanation of Output Message

- M** Priority of action (manual).
- mm** Abbreviated time (minutes past the hour).
- OP:LOCOP** Body of input message.
- Database header**
 - ANNSE—Announcement set (single value A-Z).
 - SCS—Service Circuit System number (single value 0-7).
 - SCU—Service Circuit Unit number (single value 0-15).
 - TYPE—Local operations type (RCD, ASN, RMV, or RPLC) (record, assign, remove, or replace).
 - ANNFR—From Announcement ID range (single value 1-65535).
 - ANNTO—To Announcement ID range (single value 1-65535).
 - ANNVE—Announcement version (4 characters).
 - LENSUCU—Announcement length (single value 0-255 in SCU seconds).
 - RAM—Announcement in announcement memory (0 = NO, 1 = YES).

	DISK—Disk pair (single value 0-3).
	AA—Announcement mapping address (single value 1-511).
	TIME—Time and date (mh/dy/yr hh:mm:ss).
results	Completed—The output from the LOCOP database has completed.
	PF (Printout Follows)—An output message will follow.
	CONT (Continues)—This is a continuation of a previous output message.
	Errors—See Appendix A for a listing of the error codes.
mh/dy/yr	Date (month/day/year).
hh:mm:ss tz	Time (hour:minute:second) and time zone.
#nnn	Message sequence number (0-999).

OP:LOG Message

```

M mm OP:LOG results
11/06/93 02:41:32 CST poll_adrsv|com/poll_adrs v.c|2478|14|
corruption in database ANNUPD detected
11/06/93 02:41:37 CST PM|appl .C|361|55|Unrecognizable action
[action=%d]
11/06/93 02:41:37 CST poll_adrsv|poll_adrs v.c|2478|14|corruption
in database ANNUPD detected
11/06/93 02:41:46 CST Lan_monitor|lan_cmd .c|911|45|software_
restart received for [pgid=%s] , i=0x2bc4]
11/06/93 02:41:46 CST poll_adrsv|poll_adrs v.c|336|19|trace
request received from trace level [0x%0x]
11/06/93 02:41:51 CST PM|pid_queue.C|401|51|unexpected deled
to cause death of a process; giving up
[pid=%d]
11/06/93 02:41:54 CST PM|proc_grp.C|285|53|software_restart
request completed [result=%d] on [pgid=%s]

mh/dy/yr hh:mm:ss tz #nnn

```

Explanation of Output Message

M	Priority of action (manual).
mm	Abbreviated time (minutes past the hour).
OP:LOG[[DATE a[TIME b]][[LIMIT c]]	Body of output message.
Output Data	Date, time, name of process source path source line number source error number error message. The " " is the field delimiter in the output message.
results	Completed—The output from the system log has completed. PF (Printout Follows)—An output message will follow. CONT (Continues)—This is a continuation of a previous output message. Errors—See Appendix A for a listing of the error codes.
mh/dy/yr	Date (month/day/year).

hh:mm:ss tz Time (hour:minute:second) and time zone.
#nnn Message sequence number (0-999).

⇒ NOTE:

For additional details on the individual **Source Error Numbers**, refer to 201-525-016AC, **4ESS™ Switching System, AAP Maintenance, Diagnostics, and Trouble Clearing**.

OP:MACHINE Message

```

M mm OP:MACHINE results

      KEY  OFID  CLLI          TYPE  LVL  CTYPE  CSPN
      0    1   12345ABXYZ    M     11    0    18001234567
mh/dy/yr hh:mm:ss tz #nnn

```

- M** Priority of action (manual).
- mm** Abbreviated time (minutes past the hour).
- OP:MACHINE** Body of input message.
- Database header**
- KEY—Database Key (single value 0-99999).
 - OFID—Office ID (single value 1-32000).
 - CLLI—CLLI code (maximum 10 upper case alphanumeric characters).
 - TYPE—Machine type (single value M|S|F; M = master, S = slave, F = field).
 - LVL—Audio level (single value 0-24; 0 = lowest level, 24 = highest level; functional only on central site).
 - CTYPE—Call type. (Software Defined Data Network) (0 = NO, 1 = YES).
 - CSPN—Central site phone number (maximum 25 numeric digits).
- results**
- Completed—The output from the MACHINE database has completed.
 - PF (Printout Follows)—An output message will follow.
 - CONT (Continues)—This is a continuation of a previous output message.
 - Errors—See Appendix A for a listing of the error codes.
- mh/dy/yr** Date (month/day/year).

hh:mm:ss tz Time (hour:minute:second) and time zone.
#nnn Message sequence number (0-999).

OP:MEAS Message

Field Site Example

```
M mm OP:MEAS[ CLR] results

Update Activity over 11520 Minutes
-----
TOTAL UPDATES QUEUED:           0
TOTAL UPDATES REQUESTED:       157
TOTAL UPDATES ATTEMPTED:       157
TOTAL UPDATES COMPLETED:      157
TOTAL SCUs DISABLED:           0

mh/dy/yr hh:mm:ss tz #nnn
```

Central Site Example

```
M mm OP:MEAS[ CLR] results

UPDATE ACTIVITY OVER 57623 MINUTES
-----
TOTAL UPDATES QUEUED:           0
TOTAL UPDATES REQUESTED:       31411
TOTAL UPDATES ATTEMPTED:       31411
TOTAL UPDATES COMPLETED:      31411
TOTAL SCUs DISABLED:           0

mh/dy/yr hh:mm:ss tz #nnn
```

M mm OP:MEAS[CLR] results

CENTRAL SITE TO FIELD SITE CONNECTION ATTEMPTS OVER 33 MINUTES

FSID	TOTAL	1ST CMLTN	PCT	2ND CMLTN	PCT	2ND FAILS	PCT
3	4	3	75%	0	0%	1	25%
4	4	3	75%	0	0%	1	25%
5	4	3	75%	0	0%	1	25%
6	4	3	75%	0	0%	1	25%
7	4	3	75%	0	0%	1	25%
8	4	3	75%	0	0%	1	25%
9	4	3	75%	0	0%	1	25%
10	3	2	66%	0	0%	1	33%
11	3	2	66%	0	0%	1	33%
12	3	2	66%	0	0%	1	33%
13	3	2	66%	0	0%	1	33%
14	3	2	66%	0	0%	1	33%
15	3	2	66%	0	0%	1	33%
16	3	2	66%	0	0%	1	33%
17	2	1	50%	0	0%	1	50%
18	2	1	50%	0	0%	1	50%
19	2	1	50%	0	0%	1	50%
20	2	1	50%	0	0%	1	50%
21	2	1	50%	0	0%	1	50%
22	2	1	50%	0	0%	1	50%
23	2	0	0%	1	50%	1	50%
24	2	0	0%	1	50%	1	50%

mh/dy/yr hh:mm:ss tz #nnn

CENTRAL SITE ISDN BOARD CONNECTION ATTEMPTS OVER 33 MINUTES

CSID	BOARD	TOTAL	COMPLETIONS	PCT	FAILURES	PCT
100	0	89	43	48%	46	51%
100	1	0	0	0%	0	0%
100	2	0	0	0%	0	0%

mh/dy/yr hh:mm:ss tz #nnn

Explanation of Output Message

- M** Priority of action (manual).
- mm** Abbreviated time (minutes past the hour).
- OP:MEAS** Body of input message.
- Update Activity header**
UPDATE ACTIVITY OVER 0 MINUTES—Number of minutes the data has been collected.

TOTAL UPDATES QUEUED—Total number of updates remaining (0-4294967295).

TOTAL UPDATES REQUESTED—Total number of updates requested (0-4294967295).

TOTAL UPDATES ATTEMPTED—Total number of updates attempted (0-4294967295).

TOTAL UPDATES COMPLETED—Total number of updates completed (0-4294967295).

TOTAL SCUs DISABLED—Total number of SCUs disabled (0-127).

Central Site to Field Site header

FSID—Field site office ID (single value 1-32000).

TOTAL—Total number of connections attempted to a field site (0-4294967295).

1ST CMPLTN PCT—Total number connections completed on the first attempt to a field site (0-4294967295) (0-100%).

2ND CMPLTN PCT—Total number of connections completed on the second attempt to a field site (0-4294967295) (0-100%).

2ND FAILS PCT—Total number of connections failed after two attempts to a field site (0-4294967295) (0-100%).

Central Site ISDN Board header

CSID—Central site office ID (single value 1-32000).

BOARD—ISDN board number (0-4).

TOTAL—Total number of connections attempted on this board (0-4292967295).

COMPLETIONS PCT—Total number of connections completed on this board (0-4294967295) (0-100%).

FAILURES PCT—Total number of connections failed on this board (0-4294967295) (0-100%).

results

Completed—The output from the Measurements Report has completed.

IP (In Progress)—Request received and initiated. Further output will follow.

PF (Printout Follows)—An output message will follow.

CONT (Continues)—This is a continuation of a previous output message.

	Errors—See Appendix A for a listing of the error codes.
mh/dy/yr	Date (month/day/year).
hh:mm:ss tz	Time (hour:minute:second) and time zone.
#nnn	Message sequence number (0-999).

OP:SCUEQP Message

```

M mm OP:SCUEQP  results
      KEY  ANNSET  SCS  SCU   LANADR  ENA  ACT
      0    S     0   0   08006A190A  0   0
99999    N     7  15   08006A190A  1   1
mh/dy/yr  hh:mm:ss  #nnn
  
```

Explanation of Output Message

M	Priority of action (manual).
mm	Abbreviated time (minutes past the hour).
OP:SCUEQP	Body of input message.
Database Header	<p>KEY—Database Key (single value 0-99999).</p> <p>ANNSET—Announcement Set (single value A-Z).</p> <p>SCS—Service Circuit System (single value 0-7).</p> <p>SCU—Service Circuit Unit (single value 0-15).</p> <p>LANADR—Local Area Network Address (10 hex digits; 0-9, A-F).</p> <p>ENA—Enable SCU (0 = NO, 1 = YES). Use message <i>INH:SCUEQP</i> to inhibit (disable) or <i>ALW:SCUEQP</i> to allow (enable) the specified SCU.</p> <p>ACT—SCU active (0 = NO, 1 = YES).</p>
results	<p>Completed—The output from the SCUEQP database has completed.</p> <p>PF (Printout Follows)—An output message will follow.</p> <p>CONT (Continues)—This is a continuation of a previous output message.</p> <p>Errors—See Appendix A for a listing of the error codes.</p>

mh/dy/yr	Date (month/day/year).
hh:mm:ss tz	Time (hour:minute:second) and time zone.
#nnn	Message sequence number (0-999).

OP:SETEQP Message

```

M mm OP:SETEQP  results
  KEY  ANNSET  SETADR  SETNUM
    0   N    09005A190A    0
    1   S    09005A190A    1
mh/dy/yr hh:mm:ss tz #nnn

```

Explanation of Output Message

M	Priority of action (manual).
mm	Abbreviated time (minutes past the hour).
OP:SETEQP	Body of input message.
Database header	KEY—Database Key (single value 0-99999). ANNSET—Announcement Set (single value A-Z). SETADR—Announcement Set Multicast Address (10 hex digits; 0-9, A-F). SETNUM—Announcement Set Number (single value 0-254).
results	Completed—The output from the SETEQP database has completed. PF (Printout Follows)—An output message will follow. CONT (Continues)—This is a continuation of a previous output message. Errors—See Appendix A for a listing of the error codes.
mh/dy/yr	Date (month/day/year).
hh:mm:ss tz	Time (hour:minute:second) and time zone.
#nnn	Message sequence number (0-999).

OP:SLAVE Message

```
M mm OP:SLAVE results
KEY   CSID  ISOID
1     2    00020A0B837C0101
mh/dy/yr hh:mm:ss tz #nnn
```

Explanation of Output Message

M	Priority of action (manual).
mm	Abbreviated time (minutes past the hour).
OP:SLAVE	Body of input message.
Database header	KEY—Database Key (single value 0-99999). CSID—Central Site Office ID (single value 1-32000). ISOID—International Standards Organization ID (16 hex digits; 0-9, A-F).
results	Completed—The output from the SLAVE database has completed. PF (Printout Follows)—An output message will follow. CONT (Continues)—This is a continuation of a previous output message. Errors—See Appendix A for a listing of the error codes.
mh/dy/yr	Date (month/day/year).
hh:mm:ss tz	Time (hour:minute:second) and time zone.
#nnn	Message sequence number (0-999).

OP:UPD Message

```

M mm OP:UPD:DAYWK a[ TIME b][ LIMIT c] results

05/24/93 08:27:04 CST UIstart2|ekelby|MTCR?!|0
05/24/93 08:27:04 CST UIend2|ekelby|MTCR?!|0
05/24/93 08:27:50 CST UIstart3|ekelby|MTCRCD:ANNSET N ANN 19 ANNVER "ABCD"
FILE "anncl" |0
05/24/93 08:27:52 CST LAN|ekelby|rcd:annset N scs 0 scu 3 disk 0 ann 19 an
nver "ABCD" sculen 8|0
05/24/93 08:27:52 CST LAN|ekelby|rcd:annset N scs 0 scu 2 disk 0 ann 19 an
nver "ABCD" sculen 8|0
05/24/93 08:27:52 CST LAN|ekelby|rcd:annset N scs 0 scu 0 disk 0 ann 19 an
nver "ABCD" sculen 8|0
05/24/93 08:27:52 CST UIend3|ekelby|MTCRCD:ANNSET N ANN 19 ANNVER "ABCD" F
ILE "anncl" |0
05/24/93 08:28:26 CST UIstart4|ekelby|OP:LOG LIMIT 100 |0
05/24/93 08:28:48 CST UIend4|ekelby|OP:LOG LIMIT 100 |0

mh/dy/yr hh:mm:ss tz #nnn

```

Explanation of Output Message

M	Priority of action (manual).
mm	Abbreviated time (minutes past the hour).
OP:UPD:DAYWK a[TIME b] [LIMIT c]	Body of input message.
Output Data	Date, time, name or process login id update message error number. The " " is the field delimiter in the output message. The UI process name contains the input message status (start, end, or stop) and the message id. Start is when the input message was entered. End is when the input command was finished. Stop is when the input message was stopped before it could finish.
results	Completed—The output from the Update File has completed. PF (Printout Follows)—An output message will follow. CONT (Continues)—This is a continuation of a previous output message. Errors—See Appendix A for a listing of the error codes.
mh/dy/yr	Date (month/day/year).

hh:mm:ss tz Time (hour:minute:second) and time zone.
#nnn Message sequence number (0-999).

Play a File (PFILE) Message

PFILE Message

```
M mm PFILE:FILE "e" results
mh/dy/yr hh:mm:ss tz #nnn
```

Explanation of Output Message

M	Priority of action (manual).
mm	Abbreviated time (minutes past the hour).
PFILE:FILE "e"	Body of output message.
results	Completed—The specified file has played to the speaker/handset. IP (In Progress)—Request received and initiated. Further output will follow. Errors—See Appendix A for a listing of the error codes.
mh/dy/yr	Date (month/day/year).
hh:mm:ss tz	Time (hour:minute:second) and time zone.
#nnn	Message sequence number (0-999).

Poll Message

POLL:ANNSET Message

```
M mm POLL:ANNSET a[ SCS b SCU c][,LANCONT d] results  
mh/dy/yr hh:mm:ss tz #nnn
```

Explanation of Output Message

M	Priority of action (manual).
mm	Abbreviated time (minutes past the hour).
POLL:ANNSET a[SCS b SCU c] r [,LANCONT d]	Body of input message.
results	Completed—The announcement set has been polled. Errors—See Appendix A for a listing of the error codes.
mh/dy/yr	Date (month/day/year).
hh:mm:ss tz	Time (hour:minute:second) and time zone.
#nnn	Message sequence number (0-999).

Record a File (RFILE) Message

RFILE Message

```
M mm RFILE:FILE "h" LEN g results
mh/dy/hr hh:mm:ss tz #nnn
```

Explanation of Output Message

M	Priority of action (manual).
mm	Abbreviated time (minutes past the hour).
RFILE:FILE "h"	Body of output message.
LEN g	
results	Completed—The announcement has been recorded to the specified file. IP (In Progress)—Request received and initiated. Further output will follow. Errors—See Appendix A for a listing of the error codes.
mh/dy/yr	Date (month/day/year).
hh:mm:ss tz	Time (hour:minute:second) and time zone.
#nnn	Message sequence number (0-999).

Recent Change (RC) Messages

RC:AUDIT Message

```
M mm RC:AUDIT,ADD,KEY a:TYPE b,ANNSET c,FROM d,TO e,UCL f,MO g,DAYMO h,  
DAYWK i,HR j,MIN k results  
KEY   TYPE ANNSET  FROM    TO  UCL MO DAYMO DAYWK HR MIN ENA ACT  
  1    1    S      1 65535  0  1    1  0    1  00  0  0  
mh/dy/yr  hh:mm:ss tz  #nnn
```

```
M mm RC:AUDIT CHG KEY a {KEY a|TYPE b|ANNSET c|FROM d|TO e|UCL f|MO g|  
DAYMO h|DAYWK i|HR j|MIN k} results  
KEY   TYPE ANNSET  FROM    TO  UCL MO DAYMO DAYWK HR MIN ENA ACT  
  1    1    S      1 65535  0  1    1  0    1  00  0  0  
mh/dy/yr  hh:mm:ss tz  #nnn
```

```
M mm RC:AUDIT DLT KEY a results
mh/dy/yr hh:mm:ss tz #nnn
```

Explanation of Output Message

M	Priority of action (manual).
mm	Abbreviated time (minutes past the hour).
RC:AUDIT ADD KEY a TYPE b ANNSET c FROM b TO e UCL f MO g DAYMO h DAYWK i HR j MIN k	Body of input message.
RC:AUDIT CHG KEY a {KEY a TYPE b ANNSET c FROM d TO e UCL f MO g DAYMO h DAYWK i HR j MIN k}	Body of input message
RC:AUDIT DLT KEY a	Body of input message.
Database header	<p>KEY—KEY Database Key (single value 0-99999).</p> <p>TYPE—Audit type (single value 0-6). 0 = assignment mapping address, 1 = announcement equipped, 2 = statistics, 3 = bit by bit audio data, 4 = database, 5 = file system, and 6 = monitor process alive/dead.</p> <p>ANNSET—Announcement Set (single value A-Z).</p> <p>FROM—From Announcement ID range (single value 1-65535) or Announcement Mapping Address (single value 1-511).</p> <p>TO—To Announcement ID range (single value 1-65535) or Announcement Mapping Address (single value 1-511).</p>

	UCL—Unconditional Audio (0 = conditional, 1 = unconditional).
	MO—Month (single value 1-12 or * that means every month).
	DAYMO—Day of the Month (single value 1-31 or * that means every day of the month).
	DAYWK—Day of the Week (single value 0-6 with 0 = Sunday or * that means every day of the week).
	HR—Hour (single value 0-23 or * that means every hour).
	MIN—Minute (single value 0-59 or * that means every minute).
	ENA—Enable audio (0 = NO, 1 = YES). Use message INH:AUDIT or ALW:AUDIT to inhibit (disable) or allow (enable) respectively the running of a specified audit.
	ACT—Audit active (0 = NO, 1 = YES).
results	Completed—The Audit database has been modified.
	Errors—See Appendix A for a listing of the error codes.
mh/dy/yr	Date (month/day/year).
hh:mm:ss tz	Time (hour:minute:second) and time zone.
#nnn	Message sequence number (0-999).

RC:ANNUPD Message

```
M mm RC:ANNUPD DLT KEY a results
mh/dy/yr hh:mm:ss tz #nnn
```

Explanation of Output Message

M	Priority of action (manual).
mm	Abbreviated time (minutes past the hour).
RC:ANNUPD DLT KEY a	Body of output message.
Database header	KEY—Database Key (single value 0-99999).
results	Completed—The ISDN database has been modified. Errors—See Appendix A for a listing of the error codes.
mh/dy/yr	Date (month/day/year).
hh:mm:ss tz	Time (hour:minute:second) and time zone.
#nnn	Message sequence number (0-999).

RC:FSITE Message

```
M mm RC:FSITE ADD KEY a OFID b PRIPN c SECPN d CLLI e results
KEY OFID PRIPN SECPN CLLI
0 1 18003215678 18003215679 1234567890
mh/dy/yr hh:mm:ss tz #nnn
```

```
M mm RC:FSITE CHG KEY a {KEY a|OFID b|PRIPN c |SECPN d |CLLI e} results
KEY OFID PRIPN SECPN CLLI
0 1 18003215678 18003215679 1234567890
mh/dy/yr hh:mm:ss tz #nnn
```

```
M mm RC:FSITE DLT KEY a results
mh/dy/yr hh:mm:ss tz #nnn
```

Explanation of Output Message

M	Priority of action (manual).
mm	Abbreviated time (minutes past the hour).
RC:FSITE ADD KEY a OFID b PRIPN c SECPN d CLLI e	Body of input message.
RC:FSITE CHG KEY a {KEY a OFID b PRIPN c SECPN d CLLI e}	Body of input message.
RC:FSITE DLT KEY a Database header	Body of input message. KEY—Database key (single value 0-99999). OFID—Office ID (single value 1-32000). PRIPN—Primary phone number (maximum 25 numeric digits). SECPN—Secondary phone number (maximum 25 numeric digits). CLLI—CLLI code (maximum 10 upper case alphanumeric characters).
results	Completed—The FSITE database has been modified. Errors—See Appendix A for a listing of the error codes.
mh/dy/yr	Date (month/day/year).
hh:mm:ss tz	Time (hour:minute:second) and time zone.
#nnn	Message sequence number (0-999).

RC:MACHINE Message

```
M mm RC:MACHINE ADD KEY a OFID b CLLI c TYPE d LVL e results
```

KEY	OFID	CLLI	TYPE	LVL
0	1	12345ABXYZ	M	11
mh/dy/yr	hh:mm:ss	tz	#nnn	

```
M mm RC:MACHINE CHG KEY a {KEY a|OFID b| CLLI c |TYPE d|LVL e} results
```

KEY	OFID	CLLI	TYPE	LVL
0	1	12345ABXYZ	M	11
mh/dy/yr	hh:mm:ss	tz	#nnn	

```
M mm RC:MACHINE DLT KEY a results  
mh/dy/yr hh:mm:ss tz #nnn
```

Explanation of Output Message

M	Priority of action (manual).
mm	Abbreviated time (minutes past the hour).
RC:MACHINE ADD KEY a OFID b CLLI c TYPE d LVL e results	Body of input message.
RC:MACHINE CHG KEY a {KEY a OFID b CLLI c TYPE d LVL e} results	Body of input message.
RC:MACHINE DLT KEY a results	Body of input message.
Database header	<p>KEY—Database Key (single value 0-99999).</p> <p>OFID—Office ID (single value 1-32000).</p> <p>CLLI—CLLI code (maximum 10 upper case alphanumeric characters).</p> <p>TYPE—Machine type (single value M S F; M = master, S = slave, F = field).</p> <p>LVL—Audio level (single value 0-24; 0 = lowest level, 24 = highest level).</p>
results	<p>Completed—The MACHINE database has been modified.</p> <p>Errors—See Appendix A for a listing of the error codes.</p>
mh/dy/yr	Date (month/day/year).
hh:mm:ss tz	Time (hour:minute:second) and time zone.
#nnn	Message sequence number (0-999).

RC:SCUEQP Message

```
M mm RC:SCUEQP ADD KEY a ANNSET b SCS c SCU d LANADR {X'e|DFLT} results
```

KEY	ANNSET	SCS	SCU	LANADR	ENA	ACT
0	S	0	0	08006A190A	0	0
my/dy/yr	hh:mm:ss	tz	#nnn			

```
M mm RC:SCUEQP;CHG,KEY a:{KEY a|ANNSET b|SCS c|SCU d|LANADR {X'e|DFLT} results
```

KEY	ANNSET	SCS	SCU	LANADR	ENA	ACT
0	S	0	0	08006A190A	0	0
my/dy/yr	hh:mm:ss	tz	#nnn			

```
M mm RC:SCUEQP DLT KEY a results
```

```
mh/dy/yr hh:mm:ss tz #nnn
```

Explanation of Output Message

M	Priority of action (manual).
mm	Abbreviated time (minutes past the hour).
RC:SCUEQP ADD KEY a ANNSET b SCS c SCU d LANADR {X'e DFLT}	Body of input message.
RC:SCUEQP CHG KEY a {KEY a ANNSET b SCS lc SCU d LANADR {X'e DFLT}}	Body of input message.
RC:SCUEQP DLT KEY a	Body of input message.
Database header	<p>KEY—Database Key (single value 0-99999).</p> <p>ANNSET—Announcement Set (single value A-Z).</p> <p>SCS—Service Circuit System (single value 0-7).</p> <p>SCU—Service Circuit Unit (single value 0-15).</p> <p>LANADR—Local Area Network Address (10 hex digits; 0-9, A-F).</p> <p>ENA—Enable SCU (0 = NO, 1 = YES). Use message <i>INH:SCUEQP</i> or <i>ALW:SCUEQP</i> to inhibit (disable) or allow (enable) respectively the specified SCU.</p> <p>ACT—SCU active (0 = NO, 1 = YES).</p>
results	<p>Completed—The SCUEQP database has been modified.</p> <p>Errors—See Appendix A for a listing of the error codes.</p>
mh/dy/yr	Date (month/day/year).
hh:mm:ss tz	Time (hour:minute:second) and time zone.
#nnn	Message sequence number (0-999).

RC:SETEQP Message

```
M mm RC:SETEQP ADD KEY a ANNSET b SETADR {X'c|DFLT}|SETNUM d} results  
  
KEY   ANNSET   SETADR   SETNUM  
a     b        c         d  
mh/dy/dy hh:mm:ss tz #nnn
```

```
M mm RC:SETEQP CHG KEY a {KEY a|ANNSET b|SETADR {X'c|DFLT}|SETNUM d} results  
  
KEY   ANNSET   SETADR   SETNUM  
a     b        c         d  
mh/dy/dy hh:mm:ss tz #nnn
```

```
M mm RC:SETEQP DLT KEY a results  
mh/dy/dy hh:mm:ss tz #nnn
```

Explanation of Output Message

M	Priority of action (manual).
mm	Abbreviated time (minutes past the hour).
RC:SETEQP ADD KEY a ANNSET b SETADR {X'c DFLT} SETNUM d	Body of input message.
RC:SETEQP CHG KEY a {KEY a ANNSET b SETADR {X'c DFLT} SETNUM d}}	Body of input message.
RC:SETEQP DLT KEY a	Body of input message.
Database header	KEY—Database Key (single value 0-99999). ANNSET—Announcement Set (single value A-Z). SETADR—Announcement Set Multicast Address (10 hex digits; 0-9, A-F). SETNUM—Announcement Set Number (single value 0-254).
results	Completed—The SETEQP database has been modified. Errors—See Appendix A for a listing of the error codes.
mh/dy/yr	Date (month/day/year).
hh:mm:ss tz	Time (hour:minute:second) and time zone.
#nnn	Message sequence number (0-999).

RC:SLAVE Message

```
M mm RC:SLAVE ADD KEY a CSID b ISOID X'c results
KEY CSID ISOID
1 2 00020A0B837C0101
mh:dy:yr hh:mm:ss tz #nnn
```

```
M mm RC:SLAVE CHG KEY a {KEY a|CSID b|ISOID X'c} results
KEY CSID ISOID
1 2 00020A0B837C0101
mh:dy:yr hh:mm:ss tz #nnn
```

```
M mm RC:SLAVE DLT KEY a results
mh:dy:yr hh:mm:ss tz #nnn
```

Explanation of Output Message

M	Priority of action (manual).
mm	Abbreviated time (minutes past the hour).
RC:SLAVE ADD KEY a CSID b ISOID X'c	Body of input message.
RC:SLAVE CHG KEY a {KEY a CSID b ISOID X'c}	Body of input message.
RC:SLAVE DLT KEY a	Body of input message.
Database header	KEY—Database Key (single value 0-99999). CSID—Central Site Office ID (single value 1-32000). ISOID—International Standards Organization ID (16 hex digits; 0-9, A-F).
results	Completed—The SLAVE database has been modified. Errors—Refer to Appendix A for a listing of the error codes.
mh/dy/yr	Date (month/day/year).
hh:mm:ss tz	Time (hour:minute:second) and time zone.
#nnn	Message sequence number (0-999).

Record Message

RCD:ANN Message

```
M mm RCD:ANNSET a[ SCS b SCU c][ DISK d][ RAM] ANN e ANNVER "f" {LEN g|FILE "h"} results  
length checksum  
  
my/dy/yr hh:mm:ss tz #nnn
```

Explanation of Output Message

M	Priority of action (manual).
mm	Abbreviated time (minutes past the hour).
RCD:ANNSET a[SCS b SCU c][DISK d][RAM] ANN e ANNVER f {LEN g FILE h}	Body of input message.
Length	Length of announcement recorded in SCU seconds. The actual announcement length can be calculated by multiplying the "length" by 1.024. The only exception is a zero unit length announcement is actually a half a second long.
Checksum	Announcement checksum.
results	Completed—The announcement has been recorded to the Announcement Set. IP (In Progress)—Request received and initiated. Further output will follow. Ready to Record—The AAP system is ready to record the announcement. Push the tape player <i>PLAY</i> button (only central site). Errors—See Appendix A for a listing of the error codes.

mh/dy/yr	Date (month/day/year).
hh:mm:ss tz	Time (hour:minute:second) and time zone.
#nnn	Message sequence number (0-999).

Remove Message

RMV:ANN Message

```
M mm RMV:ANNSET a [ SCS b SCU c]:ANN d results  
mh/dy/yr hh:mm:ss tz #nnn
```

Explanation of Output Message

M	Priority of action (manual).
mm	Abbreviated time (minutes past the hour).
RMV:ANNSET a[SCS b SCU c] ANN d	Body of input message.
results	Completed—The announcement has been removed from the Announcement Set. IP (In Progress)—Request received and initiated. Further output will follow. Errors—See Appendix A for a listing of the error codes.
mh/dy/yr	Date (month/day/year).
hh:mm:ss tz	Time (hour:minute:second) and time zone.
#nnn	Message sequence number (0-999).

Replace Message

RPLC:ANN Message

```
M mm RPLC:ANNSET a [SCS b SCU c ]ANN d ANNVER "e" ANN f results  
mh/dy/yr hh:mm:ss tz #nnn
```

Explanation of Output Message

M	Priority of action (manual).
mm	Abbreviated time (minutes past the hour).
RPLC:ANNSET a [SCS b SCU c]ANN d ANNVER "e" ANN f	Body of input message.
results	Completed—The announcements have been replaced in the Announcement Set. IP (In Progress)—Request received and initiated. Further output will follow. Errors—See Appendix A for a listing of the error codes.
mh/dy/yr	Date (month/day/year).
hh:mm:ss tz	Time (hour:minute:second) and time zone.
#nnn	Message sequence number (0-999).

Stop Messages

STOP:AAP Message

```
M mm STOP:AAP a results
  my/dy/yr hh:mm:ss tz #nnn
```

Explanation of Output Message

M	Priority of action (manual).
mm	Abbreviated time (minutes past the hour).
STOP:AAP a	Body of input message.
results	Completed—The AAP system or specified AAP process has been stopped. Errors—See Appendix A for a listing of the error codes.
mh/dy/yr	Date (month/day/year).
hh:mm:ss tz	Time (hour:minute:second) and time zone.
#nnn	Message sequence number (0-999).

STOP:JOB Message

There is no output message associated with this input message.

Verify Messages

VER:MODE1 Message

```

M mm VER:MODE1 ANNSET a[ SCS b SCU c][ [DETL][ UCL]] ANN {f|f-g} results
TOTAL SCUs ATTEMPTED 2

ANNOUNCEMENT INFORMATION - CORRECT DATA
-----
ANN  LENSUCU  DISK  RAM  ANNVER  CRC
1    6        0    0    TEST   1B6E7BEC
65535 8        0    0    TEST   2448EF57

ANNOUNCEMENT INFORMATION - ERROR DATA
-----
ANN  LENSUCU  SCS  SCU  DISK  RAM  ANNVER  CRC
2    -        0    2    -     -   -     -
2    16       0    1    0    0   TEST   46EDE3B8
mh/dy/yr  hh:mm:ss  tz  #nnn

```

Explanation of Output Message

- M** Priority of action (manual).
- mm** Abbreviated time (minutes past the hour).
- VER:MODE1 ANNSET** Body of input message.
a[SCS b SCU c][[DETL]
[UCL]] ANN {f|f-g}
- TOTAL SCUs ATTEMPTED** The total number of SCUs that were successfully polled for information.
- header** ANN—Announcement ID (single value 1-65535).
LENSUCU—Announcement length (single value 0-255 in SCU seconds).
SCS—Service Circuit System (single value 0-7).
SCU—Service Circuit Unit number (single value 0-15).
DISK—Disk pair (single value 0-3).
RAM—Announcement in announcement memory (0 = NO, 1 = YES).

	ANNVER—Announcement Version (4 characters).
	CRC—Announcement checksum.
results	Completed—The output from the verification of an announcement or range of announcements in the Announcement Set has completed.
	IP (In Progress)—Request received and initiated. Further output will follow.
	PF (Printout Follows)—An output message will follow.
	CONT (Continues)—This is a continuation of a previous output message.
	Errors—See Appendix A for a listing of the error codes.
mh/dy/yr	Date (month/day/year).
hh:mm:ss tz	Time (hour:minute:second) and time zone.
#nnn	Message sequence number (0-999).

VER:MODE2 Message

```
M mm VER:MODE2 ANNSET a[ SCS b SCU c][ FILE "e"] ANN f results  
mh/dy/yr hh:mm:ss tz #nnn
```

Explanation of Output Message

M	Priority of action (manual).
mm	Abbreviated time (minutes past the hour).
VER:MODE2 ANNSET a[SCS b SCU c][FILE "e" ANN f	Body of input message.
results	Completed—The announcement in the Announcement Set has played to the speaker/handset or was copied to the specified file. IP (In Progress)—Request received and initiated. Further output will follow. Errors—See Appendix A for a listing of the error codes.
mh/dy/yr	Date (month/day/year).
hh:mm:ss tz	Time (hour:minute:second) and time zone.
#nnn	Message sequence number (0-999).

VER:MODE3 Message

```
M mm VER:MODE3 ANNSET a[ SCS b SCU c][ [DETL][ UCL]] ANN {f|f-g} results
TOTAL SCUs ATTEMPTED 2
```

ANNOUNCEMENT INFORMATION - CORRECT DATA

```
-----
ANN   LENSUCU  DISK  RAM  ANNVER      CRC
   1         6    0    0   TEST  1B6E7BEC
65535         8    0    0   TEST  2448EF57
```

ANNOUNCEMENT INFORMATION - ERROR DATA

```
-----
ANN   LENSUCU  SCS   SCU  DISK  RAM  ANNVER      CRC
   2         -    0    2     -    -     -         -
   2        16    0    1     0    0   TEST  46EDE3B8
mh/dy/yr  hh:mm:ss  tz   #nnn
```

Explanation of Output Message

M	Priority of action (manual).
mm	Abbreviated time (minutes past the hour).
VER:MODE3 ANNSET a[SCS b SCU c][[DETL] [UCL]] ANN {f f-g}	Body of input message.
Database header	ANN—Announcement ID (single value 1-65535). LENSUCU—Announcement length (single value 0-255 in SCU seconds). SCS—Service Circuit System number (single value 0-7). SCU—Service Circuit Unit number (single value 0-15). DISK—Disk pair (single value 0-3). RAM—Announcement in announcement memory (0 = NO, 1 = YES). ANNVER—Announcement Version (4 characters). CRC—Announcement checksum.

results	Completed—The output from the verification of an announcement or range of announcements in the Announcement Set has completed. IP (In Progress)—Request received and initiated. Further output will follow. PF (Printout Follows)—An output message will follow. CONT (Continues)—This is a continuation of a previous output message. Errors—See Appendix A for a listing of the error codes.
mh/dy/yr	Date (month/day/year).
hh:mm:ss tz	Time (hour:minute:second) and time zone.
#nnn	Message sequence number (0-999).

VER:MODE4 Message

```

M mm VER:MODE4 ANNSET a[ SCS b SCU c][ UCL] ANN {d|d-e} results
TOTAL SCUs ATTEMPTED 3

ANNOUNCEMENT INFORMATION - ERROR DATA
-----
ANN BYTECOUNT SCS SCU ERROR
  1      2048    0   1
  1      2048    0   2 CONTENT
  1      4096    0   3 LENGTH
mh/dy/yr hh:mm:ss tz #nnn

```

Explanation of Output Message

M	Priority of action (manual).
mm	Abbreviated time (minutes past the hour).
VER:MODE4 ANNSET a[SCS b SCU c] [UCL] ANN {d d-e}	Body of input message.
TOTAL SCUs ATTEMPTED	The total number of SCUs that were successfully polled for information.
results	Completed—The announcement in the Announcement Set has been verified. IP (In Progress)—Request received and initiated. Further output will follow. CONT (Continues)—This is a continuation of a previous output message. Errors—See Appendix A for a listing of the error codes.
mh/dy/yr	Date (month/day/year).
hh:mm:ss tz	Time (hour:minute:second) and time zone.
#nnn	Message sequence number (0-999).

VER:MODE6 Message

```

M mm VER:MODE6[ SCS b SCU c][ [DETL][ UCL]] AA {e|e-f} results
TOTAL SCUs ATTEMPTED 2

ANNOUNCEMENT MAPPING ADDRESS INFORMATION - CORRECT DATA
-----
AA   ANN
 1   1001
 3   1003

ANNOUNCEMENT MAPPING ADDRESS INFORMATION - ERROR DATA
-----
AA   ANN   SCS   SCU
 2  1020     0     2
 2  1020     0     1
mh/dy/yr hh:mm:ss tz #nnn

```

Explanation of Output Message

M	Priority of action (manual).
mm	Abbreviated time (minutes past the hour).
VER:MODE6[SCS b SCU c][[DETL] [UCL]] AA {e e-f}	Body of input message.
TOTAL SCUs ATTEMPTED	The total number of SCUs that were successfully polled for information.
header	AA. Announcement mapping address (single value 1-511). ANN. Announcement ID (single value 1-65535). SCS. Service Circuit Unit number (single value 0-15).
results	Completed—The output from the verification of an Announcement Mapping Address or range of Announcement Mapping Addresses has completed. IP (In Progress)—Request received and initiated. Further output will follow. PF (Printout Follows)—An output message will follow.

	CONT (Continues)—This is a continuation of a previous output message.
	Errors—See Appendix A for a listing of the error codes.
mh/dy/yr	Date (month/day/year).
hh:mm:ss tz	Time (hour:minute:second) and time zone.
#nnn	Message sequence number (0-999).

MML Input and Output Commands—Overview

6

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MML Input and Output Commands—Overview

6

Using Commands

After a connection is established, the craft shell system indicates its readiness to accept commands with a "<" prompt.

All MML commands use the verb-object form. Some use parameter blocks after the verb-object pair.

To transmit an MML command, either press the RETURN key or type a semicolon. Do not press RETURN after you have typed the semicolon. As a convention, this documentation shows a semicolon as the terminator for commands.

To cancel a partially completed command line, type **Ctrl x**.

⇒ NOTE:

Avoid pressing the RETURN key when requesting on-line help for a command with no options or with default options. This is because the RETURN key will be interpreted as a line feed for the command and the command will be executed.

Generally, an MML command consists of two or more blocks. Colons separate blocks. A block may contain several parameters: either name/value pairs or one or more positional parameters. If two or more parameters are within a block, they

are separated by commas. Positional parameters must be entered in the proper order. A typical MML command is as follows: **IN:REMOTE:REPORT**

The craft shell will accept MML commands typed in either uppercase or lowercase. Also, craft shell will ignore any blank spaces or tabs in commands. For long commands, just keep typing and the cursor will move to the next line, but do not press RETURN or type a semicolon until you are ready to execute the command. You can press RETURN when you have typed enough of the command so that it is unique from other commands.

Formats

For display purposes in this document, the input message formats include a string format notation, which consists of three types of punctuation (brackets, braces, and vertical bar) that are not part of the input message format.

⇒ NOTE:

This notation should **never** be input from the AAP console as part of the input message.

The purpose of this notation is to show the choices the user has in constructing the message.

- [] = Brackets enclose optional entries. Optional entries may be included or omitted from a message.
- { } = Braces enclose a selection of two or more entries where one entry, and only one, must be included in the message.
- | = Vertical bars separate a selection of entries enclosed by brackets or braces. One of the entries separated by a vertical bar, but only one, must be selected.

Command Acknowledgements

After you enter a command, the craft shell system will respond, usually immediately, with an acknowledgement. Wait for the acknowledgement before you enter your next command, otherwise, the system will ignore what you type in.

Table 6-1 shows the different acknowledgements that you may receive. In most cases you get an "IP" (In Progress) message, which means that the application will be sending you one or more additional messages indicating its success or failure in carrying out your command.

Table 6-1. MML Command Acknowledgements

Code	Acknowledgment
?C	Improper Channel. Indicates you are not authorized to use the command.
?D	Data Entry Error. Indicates that there is a syntax error related to one or more of the parameters in your command. This could mean that you entered an improper character or data value or omitted a parameter name, separator, or execute indicator. It may also result from an invalid association of the block of parameter contents with the command verb and/or other blocks of parameters.
?V	Verb Error. Indicates an error in the verb block of the MML command. TNM users will receive this if not logged in.
?E	Unidentified Error. Indicates that the command is syntactically valid but that the craft shell does not recognize it as a supported command.
?T	Time Out. You started to enter a command but took too long to finish it (more than thirty seconds). If you receive this acknowledgement after a command was entered, it means that the TNM system did not receive an acknowledgement of the command from the craft shell.
?X	User Abort. You cancelled the input before pressing RETURN.
IP	In Progress. Indicates that an action has been initiated. The action is usually a request to perform an operation, and that operation may take some time to complete. One or more additional messages giving the results of the command will be forthcoming.
NG	No good. Indicates the command was not successful. An additional message providing more information will be forthcoming.
OK	Good. The command was received and the requested action was initiated and completed. No further messages giving the results of the command will be forthcoming.
PF	Printout Following. The request will be processed (usually within 10 seconds in normal operation). One or more additional messages giving the results of the command will be forthcoming.
RL	Retry Later. The requested action cannot be executed now because of unavailable system resources, such as system overload, busy programs, and so on.

Using Help

If you enter a command with incorrect syntax, you will receive a help or usage message. The help message will show you where in your command line that the craft shell detected an invalid entry. In addition, the part of the command that you typed correctly will remain on the command line and you can continue entering the command at the point of the invalid entry.

If you request help with a specific part of the command, enter a question mark instead of a parameter or value.

A usage message uses two carets (^) or two asterisks (**) to indicate the place where the craft shell recognizes an error. The carets indicate an error with a specific named or positional parameter. The asterisks, however, since some name/value pairs are not positional, indicate an error somewhere within a block.

To cancel a partially completed command line, type **Ctrl x**.

The following scenario shows how Help works:

1. To update the Site data database from the craft shell, enter the command **UPD:SD**. The format of the command is as follows:
UPD:SD:UPD={ADD,CHG,DLT},REL=x:"a1=v1,...";
where *x* is the relation name.
2. If you were to enter **UPD:SDS**, misspelling the name of the command, you would receive a help message like the following:
/<Usage> UPD:^^{SD,BWM,CDSU},...;*/*
The two carets (^^) indicate the point at which the error was made. The remainder of the message shows the possible verb-objects that can be entered with the verb "UPD." The prompt appears with the correct part of the previous command line already typed:
< UPD:
3. You then enter the command correctly to a certain point, but cannot remember what comes next. So, you enter a question mark:
< UPD:SD:REL=AAP_SUDB,UPD=?
The system responds with the following usage message:
/<Usage> UPD:SD:^^UPD={ADD,CHG,DLT},REL=str(16):"a1=v1,...";*/*
and returns the following prompt line:
< UPD:SD:REL=AAP_SUDB,
4. You can continue to enter your command from this point.

Response Messages

If you get a PF or IP acknowledgement, the craft shell system will be sending you one or more response messages (on the same session), usually within 10 seconds, depending upon the command. If you wish to enter more MML commands in the meantime, you can do so; you do not have to wait for the response messages.

A response message has the form shown in Figure 6-1.

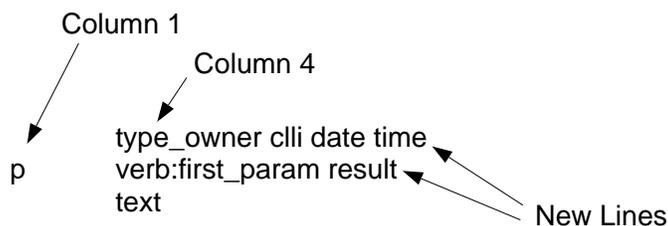


Figure 6-1. Form of Response Message

Each of the values in the above example is explained below.

- type* Indicates that you are using the AAP application.
- owner* Identifies to whom this copy of the AAP application belongs; typically AT&T owns it, as indicated with the code "ATTC."
- cli* CLLI code. An 11-character code which identifies a specific AAP in the network. The CLLI code for the AAP is the same as that central office's 4ESS™ switch CLLI code except that the last letter is changed from a "T" to a "C."
- date and time* Indicates when the craft shell application sent the message.
- p (priority)* Output messages for all craft shell MML commands have a priority indicator. They are as follows.

MML Output Message Priority Indicators		
Printed Character	Priority	Action
M	Manual	This indicates that the output message is in response to a user's manual action.
A	Automatic or Action Required	This tells you that the output message is automatically generated. In some cases, action may be required.
*	Minor Alarm. A single asterisk indicates a minor alarm. You may need to act to rectify the situation.	
**	Major Alarm	Two asterisks indicate a major alarm. Take immediate action.
*C	Critical Alarm	This indicates that the system is in danger of failing if the problem is not corrected immediately.
[blank]	Informational Message	No action required.

verb The verb or keyword of the MML command.

first_parm Identifies the block that represents the object of the MML command.

result Will be one of the following.

MML Result Codes	
Aborted	The requested action was halted leaving the system in a potentially inconsistent state.
Completed	The action was completed successfully.
Completed Certified	The action was completed successfully and then verified successful by a certification process.
In_Progress	Output from the command must be segmented into parts because of the length restrictions of the MML output mechanism. Or, the command takes multiple, lengthy actions to complete. The last message will have a result of "Completed."
Not_Started	The command was accepted by the Craft Shell as valid, but the semantics of the request did not make sense to downstream processes, so the requested action was not attempted. Reasons why may include an invalid parameter value not detected by the Craft Shell, attempting to take a device out of service that is already out of service, and so on.
Stopped	The command failed, but the process terminated gracefully (compare with Aborted).

text Information about the command request. The response messages to the MML commands vary; see the command descriptions for details about specific responses.

Ending an MML Session

When you have finished using the craft shell and wish to end the session, enter the following command:

LOGOUT;

Typing LOGOUT will end the MML session and return you to the main menu. From the Main Menu, type **q** to quit.

MML Input Commands

7

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MML Input Commands

7

Allow Messages

ALW:AUDIT Message

```
ALW:AUDIT,KEY={a|ALL};
```

Site Type

Central Site Master, Field Site

Purpose

Allows (enables) a specified audit, or all audits, in the Audit (AUDIT) database to run at the audit time.

Explanation of Arguments

a, ALL	Database Key (single value 0-99999 or text string value ALL).
---------------	---

ALW:SCUEQP Message

```
ALW:SCUEQP,KEY={a|ALL};
```

Site Type

Central Site Master, Field Site

Purpose

Allows (enables) a specified Service Circuit Unit (SCU) or all units in the Service Circuit Unit Equipment (SCUEQP) database to be run. This input message sets the ENA field of the specified SCU to 1 (YES).

Explanation of Argument

a, ALL Database Key (single value 0-99999 or text string ALL).

Assign Message

ANNC:ASN:ANN Message

```
ANNC:ASN: [SCS=a, SCU=b, ] ANN=c, AA=d:ANN=e;
```

Site Type

Central Site Master, Field Site

Purpose

Assigns a specified announcement to an "Announcement Mapping Address" in "Announcement Set N."

Explanation of Arguments

- a** Service Circuit System (single value 0-7; default all).
- b** Service Circuit Unit (single value 0-15; default all).
- c** Current Announcement ID (single value 1-65535).
- d** Announcement Mapping Address (single value 1-511).
- e** New Announcement ID (single value 1-65535).

Audit Messages

ANNC:AUD Message

```
ANNC:AUD:KEY=a;
```

Site Type

Central Site Master, Field Site

Purpose

Runs (immediately) a specified audit in the Audit (AUDIT) database.

Explanation of Arguments

a Database Key (single value 0-99999).

AUD:DB Message

```
AUD:DB:NAME=<db_name>;
```

Site Type

Central Site Master, Central Site Slave, Field Site

Purpose

The purpose of this command is to run a database audit. The output is in the dblgcaudxxxx file - use the BWS:LOG command to look at it.

Explanation of Arguments

db_name	The name of the database to run the audit on. It should be one of the following and must be entered in all uppercase letters. SCDB —Site Configuration Database; examples would be APPL_ID, APP_SUDB. OMDB —Output Message Database; all the error messages from the craft shell command. CSDB —Component System Database; this is used internally to the system. MCDDB —Measurement Database; this is not supported by AAP.
----------------	--

AUD:MIRROR Message

```
AUD:MIRROR: [CMD=AUDIT|MASTER|REPAIR] [ ,OPTION=DB|FULL]
```

Site Type

Central Site Master, Central Site Slave, Field Site

Purpose

The **AUD:MIRROR** command will audit the mirror databases and report if there are any problems. With **CMD=REPAIR**, the **AUD:MIRROR** command will repair the mirrors. With the **OPTION=FULL** option, the **AUD:MIRROR** command will read every block on the disk drives looking for **CRC** errors, and report them as disk errors. These disk errors can normally be fixed by rewriting them, which is done when **CMD=REPAIR** is specified.

Explanation of Arguments

AUDIT	Default, audits but does not fix the mirrors.
MASTER	Creates new master record to compare mirror records against.
REPAIR	Fixes mirror database problems.
DB	Default, audits only the mirror databases.
FULL	Reads all disk blocks checking for CRC errors.

AUD:SD Message

```
AUD:SD:REL=<rel_name>;
```

Site Type

Central Site Master, Central Site Slave, Field Site

Purpose

The purpose of this command is to run a site database audit on a particular relation.

Explanation of Arguments

rel_name	The relation name to be audited.
APPL_ID	Application ID.
AAP_SUDB	This relation contains all BWM/SCANS related information. for example, SCANS primary telephone number.

Browse Message

BWS:LOG Message

```
BWS:LOG:NAME=a[ ,START=date][ ,STOP=date][ ,PATTERN=b][ ,PROCESS=c];
```

Site Type

Central Site Master, Central Site Slave, Field Site

Purpose

The purpose of this command is to browse the log files. There are six (6) or more log files. They are **LOGSYS**, **trace**, **dblgcaud**, **dbmnt**, **access** and **rip**. Of these log files, only **dblgcaud** and **access log** files would be of use to users.

If you specify no options, the **LOGSYS** file gives you the entire file (it is a "huge" file).

Explanation of Arguments

date	The starting/stopping time of the log. This parameter should be in [yy]ymmddhhmm format where [yy]yy=year, mm=month, dd=day, hh=hour, and mm=minute.
a	The type of logs to be browsed. Types could be any one of the six (6) mentioned in the Purpose section.
b	The pattern string to be searched.
c	The process name. The process string is one of the following: scm, sysview, sop, csop, dap, cftsh, ca, Msi, sched, ssp, hcm, dbmaint, rip, ALW_AUD, MML_CMDS, AUD_DB, INH_AUD, OP_AUD, UPD_SU, init_aap, AUD_SD, INREM, OP_SD, or rapr.

Clear Messages

CLR:ANNUPD Message

```
CLR:ANNUPD;
```

Site Type

Central Site Master, Field Site

Purpose

Clears (initializes) the Announcement Update (ANNUPD) database.

Explanation of Arguments

None

Initialized Database Values

The ANNUPD database contains no tuples when it is initialized.

CLR:AUDIT Message

```
CLR:AUDIT;
```

Site Type

Central Site Master, Field Site

Purpose

Clears (initializes) the Audit (AUDIT) database.

Explanation of Arguments

None

Initialized Database Values

KEY	TYPE	ANNSET	FROM	TO	UCL	MO	DAYMO	DAYWK	HR	MIN	ENA	ACT
0	0	N	1	511	0	*	*	*	00	00	0	0
1	1	N	1	65535	0	*	*	*	00	00	0	0
2	2	N	1	65535	0	*	*	*	00	00	0	0
3	3	N	1	65535	0	*	*	*	00	00	0	0
4	4	N	1	1	0	*	*	*	00	00	0	0
5	5	N	1	1	0	*	*	*	00	00	0	0
6	6	N	1	1	0	*	*	*	00	00	0	0

CLR:CAUCS Message

```
CLR:CAUCS;
```

Site Type

Central Site Master

Purpose

Clears (initializes) the Central Announcement Update Control System (CAUCS) database.

Explanation of Arguments

None

Initialized Database Values

The CAUCS database contains no tuples when it is initialized.

CLR:FSITE Message

```
CLR:FSITE;
```

Site Type

Central Site Master

Purpose

Clears (initializes) the Field Site (FSITE) database.

Explanation of Arguments

None

Initialized Database Values

The FSITE database contains no tuples when it is initialized.

CLR:MACHINE Message

```
CLR:MACHINE;
```

Site Type

Central Site Master, Central Site Slave, Field Site

Purpose

Clears (initializes) the Machine (MACHINE) database.

Explanation of Arguments

None

Initialized Database Values

The MACHINE database contains one tuple that was created by the "Load and Installation of the AAP Software". The tuple contains user input (CLLI* code and OFID) and default values (LVL=24, CSPN=1234567890, CTYPE=1).

* Common Language is a registered trademark and CLEI, CLLI, CLCI, and CLFI are trademarks of Bell Communications Research, Inc.

CLR:MEAS Message

CLR:MEAS;

Site Type

Central Site Master, Field Site

Purpose

Clears (initializes) the Measurements Report.

Explanation of Arguments

None

CLR:SCUEQP Message

```
CLR:SCUEQP;
```

Site Type

Central Site Master, Field Site

Purpose

Clears (initializes) the Service Circuit Unit Equipment (SCUEQP) database.

Explanation of Arguments

None

Initialized Database Values

The SCUEQP database contains no tuples when it is initialized.

CLR:SETEQP Message

```
CLR:SETEQP;
```

Site Type

Central Site Master, Field Site

Purpose

Clears (initializes) the Announcement Set Equipage (SETEQP) database.

Explanation of Arguments

None

Initialized Database Values

KEY	ANNSET	SETADR	SETNUM
0	N	09006A190A	0
1	S	09006A190A	1

CLR:SLAVE Message

CLR:SLAVE;

Site Type

Central Site Master

Purpose

Clears (initializes) the slave (SLAVE) database (only central site).

Explanation of Arguments

None

Initialized Database Values

KEY	CSID	ISOID
1	999	00020A0B837D0101

Copy Message

ANNC:COPY:ANNSET Message

```
ANNC:COPY:ANNSET=a,SCS=b,SCU=c,ANN=d:[ANNSET=e,]SCS=f,SCU=g,[DISK=h,]  
[RAM={YES|NO},]ANN=i,ANNVER=j;
```

Site Type

Central Site Master, Field Site

Purpose

Copy a specified announcement in an Announcement Set to another specified announcement in the same or different Announcement Set.

Explanation of Arguments

- a** From Announcement Set (single value A-Z).
- b** From Service Circuit System (single value 0-7).
- c** From Service Circuit Unit (single value 0-15).
- d** From Announcement ID (single value 1-65535).
- e** To Announcement Set (single value A-Z; default = From Announcement Set).
- f** To Service Circuit System (single value 0-7).
- g** To Service Circuit Unit (single value 0-15).
- h** To Disk Pair (single value 0-3; default 0).
- RAM** (YES or NO) Announcement will be loaded in Announcement Memory and disks if YES. If NO, announcement will only be loaded on disks. Default is NO.

i To Announcement ID (single value 1-65535).

⇒ NOTE:

Announcements within the range of 2001-2017 are reserved for internal SCU use only. Any attempt to use an announcement within this range will result in generating SCU error (65303 or 0xFF17).

j Announcement Version number contains four uppercase alphanumeric characters. This cannot be the string "NONE."

Inhibit Messages

INH:AUDIT Message

```
INH:AUDIT:KEY={a|ALL};
```

Site Type

Central Site Master, Field Site

Purpose

Inhibits (disables) a specified audit or all units in the Audit (AUDIT) database to run at the audit time. This input message sets the ENA field of the specified audit to 0 (NO). Any audit that is currently running (ACT = 1) will be stopped.

Explanation of Arguments

a,ALL Database Key (single value 0-99999 or text string ALL).

INH:SCUEQP Message

```
INH:SCUEQP:KEY={a|ALL};
```

Site Type

Central Site Master, Field Site

Purpose

Inhibits (disables) a specified SCU or all SCUs in the SCUEQP database. This input message sets the ENA field of the specified SCU to 0 (NO).

Explanation of Arguments

a,ALL Database Key (single value 0-99999 or text string ALL).

Initiate Message

IN:REMOTE Message

```
IN:REMOTE: {REPORT | START[ :CFT ] | STOP } ;
```

Site Type

Central Site Master, Central Site Slave, Field Site

Purpose

The purpose of this command is to administer the download of software updates from the SCANS machine to the AAP.

Explanation of Arguments

REPORT: To display whether or not there is a `IN:REMOTE:START` command running, the machine accessibility, the BWMs in `/etc/bwm`, and the currently applied and currently permed BWMs.

START: To start the download of a software update from the SCANS machine to the AAP machine. The `CFT` option uses high-priority SCANS resources to transfer the software update and should be used only in emergency situations.

CFT: This parameter specifies that a higher priority phone number should be used to contact the SCANS machine. This feature was added so that some number of b-channels would be reserved for emergency situations.

STOP: To abort the currently running `IN:REMOTE:START` command process.

Initialize Messages

INIT:AAP Message

```
INIT:AAP:a
```

Site Type

Central Site Master, Central Site Slave, Field Site

Purpose

Initializes (stops and restarts) AAP Applications software or specified AAP process. Already stopped (**STOP:AAP**) software will be restarted. This message will not restart the UNIX* operating system.

Explanation of Arguments

- a AAP—AAP Applications Software
- AAPADM—AAP Administration Process
- AUDIT—Audit Process (only central site master and field sites)
- AUDIO—Audio Process (only central site master)
- BCAST—Bcaster Process (only central site master and central site slave)
- CI—CAUCS Interface Process (only central site master)
- ISDN0—Number zero ISDN Process
- ISDN1—Number one ISDN Process
- ISDN2—Number two ISDN Process (only central site master and central site slave)
- ISDN3—Number three ISDN Process (only central site slave)
- ISDN4—Number four ISDN Process (only central site slave)
- LANCMD—Local Area Network (LAN) Commands Process Group (only central site master and field sites)
- LANADM—LAN Administration Process (only central site master and field sites)
- MI—Maintenance Interface Process (only central site master and field sites).

* UNIX is a registered trademark in the United States and other countries, licensed exclusively through X/Open Company Limited.

INIT:NSPS Message

```
INIT:NSPS;
```

Site Type

Central Site Master, Central Site Slave, Field Site

Purpose

The purpose of this command is to reinitialize the AAP maintenance software. The command will initiate the entire maintenance software restart.

Note that using this command will cause the machine to temporarily lose TNM.

Explanation of Arguments

None required.

Announcement Maintenance Messages

ANNC:MTCASN:ANN Message

```
ANNC:MTCASN: [SCS=a, SCU=b, ] ANN=c, AA=d:ANN=e;
```

Site Type

Central Site Master, Field Site

Purpose

Assigns a specified announcement to an Announcement Mapping Address in Announcement Set N. An assign will be attempted to any specified SCS/SCU even if it is out of service or disabled. Assign failures will not be put into the ANNUPD database.

Explanation of Arguments

- a** Service Circuit System (single value 0-7; default all).
- b** Service Circuit Unit (single value 0-15; default all).
- c** Current Announcement ID (single value 1-65535).
- d** Announcement Mapping Address (single value 1-511).
- e** New Announcement ID (single value 1-65535).

NOTE:

Announcements within the range of 2001-2017 are reserved for internal SCU use only. Any attempt to use an announcement within this range will result in generating SCU error (65303 or 0xFF17).

ANNC:MTCCOPY:ANNSET Message

```
ANNC:MTCCOPY:ANNSET=a,SCS=b,SCU=c,ANN=d:[ANNSET=e,]SCS=f,SCU=g,[DISK=h,]  
[RAM={YES|NO},]ANN=i,ANNVER=j;
```

Site Type

Central Site Master, Field Site

Purpose

Copy a specified announcement in an Announcement Set to another specified announcement in the same or different Announcement Set. A copy will be attempted to any specified SCS/SCU even if it is out of service or disabled.

Explanation of Arguments

- | | |
|------------|---|
| a | From Announcement Set (single value A-Z). |
| b | From Service Circuit System (single value 0-7). |
| c | From Service Circuit Unit (single value 0-15). |
| d | From Announcement ID (single value 1-65535). |
| e | To Announcement Set (single value A-Z; default = From Announcement Set). |
| f | To Service Circuit System (single value 0-7). |
| g | To Service Circuit Unit (single value 0-15). |
| h | To Disk Pair (single value 0-3; default 0). |
| RAM | (YES or NO) Announcement will be loaded in Announcement Memory and disks if YES. If NO, announcement will only be loaded on disks. Default is NO. |

i To Announcement ID (single value 1-65535).

⇒ NOTE:

Announcements within the range of 2001-2017 are reserved for internal SCU use only. Any attempt to use an announcement within this range will result in generating SCU error (65303 or 0xFF17).

j Announcement Version number contains four uppercase alphanumeric characters. This cannot be the string "NONE."

ANNC:MTC POLL:ANNSET

```
ANNC:MTC POLL:ANNSET=a[ ,SCS=b,SCU=c][ ,LANCONT=d] ;
```

Site Type

Central Site Master, Field Site

Purpose

Poll a specified announcement set. A poll will be attempted to any specified SCS/SCU even if it is out of service or disabled.

Explanation of Arguments

- | | |
|----------|---|
| a | Announcement Set (single value A-Z). |
| b | Service Circuit System (single value 0-7). |
| c | Service Circuit Unit (single value 0-15). |
| d | LAN controller number (single value 0-1; default active LAN). |

ANNC:MTCRCD:ANN Message

```
ANNC:MTCRCD:ANNSET=a[ ,SCS=b,SCU=c][ ,DISK=d][ ,RAM={YES|NO}]:ANN=e,  
ANNVER=f,{LEN=g|FILE=h};
```

Site Type

Central Site Master, Field Site

Purpose

Records a specified announcement to a specified Announcement Set from a tape player/handset or a specified announcement file in "/usr/aap/anncbkup" or "/usr/aap/tmp" directory. The announcement file must be created using the VER:MODE2 or RFILE message. A record will be attempted to any specified SCS/SCU even if it is out of service or disabled. Record failures will not be put into the ANNUPD database.

Explanation of Arguments

- a** Announcement Set (single value A-Z).
- b** Service Circuit System (single value 0-7; default all).
- c** Service Circuit Unit (single value 0-15; default all).
- d** Disk pair (single value 0-3; default 0).

⇒ NOTE:

When the RAM argument is specified, the value of the Disk Pair will be forced to 0 even though a different value may be specified.

RAM (YES or NO) Announcement will be loaded in Announcement Memory and disks if YES. If NO, announcement will only be loaded on disks. Default is NO.

- e** Announcement ID (single value 1-65535).

⇒ NOTE:

Announcements within the range of 2001-2017 are reserved for internal SCU use only. Any attempt to use an announcement within this range will result in generating SCU error (65303 or 0xFF17).

- f** Announcement Version number contains four uppercase alphanumeric characters. This cannot be the string "NONE."
- g** Length of announcement in seconds (0-261). Zero is a half second announcement.
- h** Input (from AAP to SCS) announcement file. Announcement filename can contain uppercase/lowercase alphanumeric characters, periods (.), and underlines (_).

ANNC:MTCRMV:ANN Message

```
ANNC:MTCRMV:ANNSET=a[ ,SCS=b,SCU=c]:ANN=d;
```

Site Type

Central Site Master, Field Site

Purpose

Removes a specified announcement from a specified Announcement Set. A remove will be attempted to any specified SCS/SCU even if it is out of service or disabled. Remove failures will not be put into the ANNUPD database.

Explanation of Arguments

- a** Announcement Set (single value A-Z).
- b** SCS (single value 0-7; default all).
- c** SCU (single value 0-15; default all).
- d** Announcement ID (single value 1-65535).

⇒ NOTE:

Announcements within the range of 2001-2017 are reserved for internal SCU use only. Any attempt to use an announcement within this range will result in generating SCU error (65303 or 0xFF17).

ANNC:MTCRPLC:ANN Message

```
ANNC:MTCRPLC:ANNSET=a, [SCS=b, SCU=c, ]ANN=d, ANNVER=e:ANN f;
```

Site Type

Central Site Master, Field Site

Purpose

Replaces (swaps) a specified announcement (announcement text, version, length, checksum, and so on) in the same Announcement Set. A replacement will be attempted to any specified SCS/SCU even if it is out of service or disabled. Replacement failures will not be put into the ANNUPD database.

Explanation of Arguments

- a** Announcement Set (single value A-Z).
- b** Service Circuit System (single value 0-7; default all).
- c** Service Circuit Unit (single value 0-15; default all).
- d** Current Announcement ID (single value 1-65535).

⇒ NOTE:

Announcements within the range of 2001-2017 are reserved for internal SCU use only. Any attempt to use an announcement within this range will result in generating SCU error (65303 or 0xFF17).

- e** Announcement Version number contains four uppercase alphanumeric characters. This cannot be the string "NONE."
- f** New Announcement ID (single value 1-65535).

ANNC:MTCVER:MODE1 Message

```
ANNC:MTCVER:MODE1:ANNSET=a[ ,SCS=b,SCU=c][ ,DETL={YES|NO} ]  
[ ,UCL={YES|NO} ]:ANN={f|f&&g};
```

Site Type

Central Site Master, Field Site

Purpose

Verify a specified announcement or range of announcements in a specified Announcement Set for a version, length, bit-by-bit comparison, and Cyclic Redundancy Checksum (CRC). A verify will be attempted to any specified SCS/SCU even if it is out of service or disabled.

Explanation of Arguments

a	Announcement Set (single value A-Z).
b	SCS (single value 0-7; default all).
c	SCU (single value 0-15; default all).
f, f&&g	Announcement ID (single value 1-65535 or range of values).
DETL	(YES or NO) If YES, output detailed Pass/Fail and Errors. If NO, output summary of Pass/Fail and Errors. Default is NO.
UCL	(YES or NO) If YES, output all errors. If NO, output first error and quit. Default is NO.

ANNC:MTCVER:MODE2 Message

```
ANNC:MTCVER:MODE2:ANNSET=a[ ,SCS=b,SCU=c][ ,FILE=e]:ANN=f;
```

Site Type

Central Site Master, Field Site

Purpose

Verify a specified announcement in a specified Announcement Set by playing the audio data to the speaker/handset or copying the audio data to a specified file in the directory "/usr/aap/tmp". Announcement files are recorded to SCUs using the RCD:ANN message. A verify will be attempted to any specified SCS/SCU even if it is out of service or disabled.

Explanation of Arguments

- | | |
|----------|--|
| a | Announcement Set (single value A-Z). |
| b | SCS (single value 0-7; default all). |
| c | SCU (single value 0-15; default all). |
| e | Output (from SCS to AAP) announcement file.
Announcement filename can contain uppercase/lowercase alphanumeric characters, periods (.), and underlines (_). |
| f | Announcement ID (single value 1-65535). |

ANNC:MTCVER:MODE3 Message

```
ANNC:MTCVER:MODE3:ANNSET=a[ ,SCS=b,SCU=c] [ ,DETL={YES|NO} ]
[ ,UCL={YES|NO} ] :ANN={f | f&&g};
```

Site Type

Central Site Master, Field Site

Purpose

Verify a specified announcement or range of announcements in a specified Announcement Set for version, length, and CRC. A verify will be attempted to any specified SCS/SCU even if it is out of service or disabled.

Explanation of Arguments

a	Announcement Set (single value A-Z).
b	SCS (single value or 0-7; default all).
c	SCU (single value or 0-15; default all).
f, f&&g	Announcement ID (single value 1-65535 or range of values).
DETL	(YES or NO) If YES, output detailed Pass/Fail and Errors. If NO, output summary of Pass/Fail and Errors. Default is NO.
UCL	(YES or NO) If YES, output all errors. If NO, output first error and quit. Default is NO.

ANNC:MTCVER:MODE4 Message

```
ANNC:MTCVER:MODE4:ANNSET=a[ ,SCS=b,SCU=c ] [ ,UCL={YES|NO} ]  
:ANN={d|d&&e};
```

Site Type

Central Site Master, Field Site

Purpose

Verify a specified announcement or range of announcements in a specified Announcement Set for bit-by-bit comparison. A verify will be attempted to any specified SCS/SCU even if it is out of service or disabled.

Explanation of Arguments

a	Announcement Set (single value A-Z).
b	SCS (single value 0-7; default all).
c	SCU (single value 0-15; default all).
d, d&&e	Announcement ID (single value 1-65535 or range of values).
UCL	(YES or NO) If YES, output all errors. If NO, output first error and quit. Default is NO.

ANNC:MTCVER:MODE6 Message

```
ANNC:MTCVER:MODE6:[SCS=b,SCU=c][,DETL={YES|NO}]  
[,UCL={YES|NO}]:AA={e|e&&f};
```

Site Type

Central Site Master, Field Site

Purpose

Verify a specified Announcement Mapping Address or range of Announcement Mapping Addresses in Announcement Set N. A verify will be attempted to any specified SCS/SCU even if it is out of service or disabled.

Explanation of Arguments

b	SCS (single value 0-7; default all).
c	SCU (single value 0-15; default all).
e, e-f	Announcement Mapping Address (single value 1-511 or range of values).
DETL	(YES or NO) If YES, output detailed Pass/Fail and Errors. If NO, output summary of Pass/Fail and Errors. Default is NO.
UCL	(YES or NO) If YES, output all errors. If NO, output first error and quit. Default is NO.

Output Messages

OP:AAPBD Message

OP:AAPBD;

Site Type

Central Site Master, Central Site Slave, Field Site

Purpose

The purpose of this command is to report on the status of hardware components or devices configured on the system.

Explanation of Arguments

None required.

OP:ANNUPD Message

OP:ANNUPD;

Site Type

Central Site Master, Field Site

Purpose

Outputs information in the Announcement Update (ANNUPD) database.

Explanation of Arguments

None

OP:AUDIT Message

OP:AUDIT;

Site Type

Central Site Master, Field Site

Purpose

Outputs information in the Audit (AUDIT) database.

Explanation of Arguments

None

OP:BCASTER Message

OP:BCASTER;

Site Type

Central Site Master

Purpose

Outputs BCASTER process information (only central site master).

Explanation of Arguments

None

OP:CAUCS Message

OP:CAUCS;

Site Type

Central Site Master

Purpose

Outputs information in the CAUCS database.

Explanation of Arguments

None

OP:CDSU Message

```
OP:CDSU[:[FORM=x][:"a1=v1,..."]]
```

Site Type

Central Site Master, Central Site Slave, Field Site

Purpose

The purpose of this command is to display the CDSU database.

Explanation of Arguments

- | | |
|--------------|---|
| x | Display type. Legal values are LONG and SHORT . The SHORT option displays the database one CDSU per line, but not all attributes are printed. The LONG form lists the database one attribute/value pair per line. |
| a1=v1 | Attribute value pairs. If attribute/value pairs are specified, then only entries that match ALL attribute/value pairs are displayed. |

OP:CLK Message

```
OP:CLK;
```

Site Type

Central Site Master, Central Site Slave, Field Site

Purpose

The purpose of this command is to display the system date and time.

Explanation of Arguments

None required.

ANNC:OP:DISKVER Message

```
ANNC:OP:DISKVER:ANNSET=a[ ,SCS=b,SCU=c ] ;
```

Site Type

Central Site Master, Field Site

Purpose

Outputs disk version.

Explanation of Arguments

- | | |
|----------|---|
| a | Announcement Set (single value A-Z). |
| b | Service Circuit System (single value 0-7; default all). |
| c | Service Circuit Unit (single value 0-15; default all). |

OP:FSITE Message

OP:FSITE;

Site Type

Central Site Master

Purpose

Outputs information in the FSITE database.

Explanation of Arguments

None

OP:ISDN Message

OP: ISDN;

Site Type

Central Site Master, Field Site

Purpose

Outputs the ISDN process and board information (only central site master and field site).

Explanation of Arguments

None

OP:JOB Message

OP:JOB;

Site Type

Central Site Master, Central Site Slave, Field Site

Purpose

Outputs queued jobs. The list of JOB IDs is not ordered.

Explanation of Arguments

None

OP:LOCOP Message

```
OP:LOCOP;
```

Site Type

Central Site Master, Field Site

Purpose

Outputs information in the Local Operations (LOCOP) database.

Explanation of Arguments

None

OP:LOG Message

```
OP:LOG[ : [DATE=a[ , TIME=b]] [ , LIMIT=c] ] ;
```

Site Type

Central Site Master, Central Site Slave, Field Site

Purpose

Outputs information in the Log file.

Explanation of Arguments

- | | |
|----------|--|
| a | Date (month/day/year format). For example, 011293 means January 12, 1993 (single value 010100-123199; default is the end of the log file). If the date specified is not found in the log, the text "DATE NOT FOUND; THIS IS THE NEAREST DATE LOGGED AFTER THE REQUESTED DATE" will appear on the first line of the log output. |
| b | 1310 means 1:10 p.m. (single value 0000-2359; default is 0000). |
| c | Number of output lines (single value 1-1000; default 10). |

OP:MACHINE Message

OP:MACHINE;

Site Type

Central Site Master, Central Site Slave, Field Site

Purpose

Outputs information in the MACHINE database.

Explanation of Arguments

None

OP:OOS Message

OP:OOS;

Site Type

Central Site Master, Central Site Slave, Field Site

Purpose

The purpose of this command is to report on the hardware component or device which is currently out of service (OOS).

Explanation of Arguments

None required.

OP:MEAS Message

```
OP:MEAS[:CLR];
```

Site Type

Central Site Master, Field Site

Purpose

Outputs Measurements Report

Explanation of Arguments

CLR	The Measurements Report will be cleared (initialized) after the output. If not present, the Measurements Report is not cleared.
------------	---

OP:SCUEQP Message

OP:SCUEQP;

Site Type

Central Site Master, Field Site

Purpose

Outputs information in the SCUEQP database.

Explanation of Arguments

None

OP:SETEQP Message

```
OP:SETEQP;
```

Site Type

Central Site Master, Field Site

Purpose

Outputs information in the SETEQP database.

Explanation of Arguments

None

OP:SD Message

```
OP:SD:REL=<relation_name>[,FORM={SHORT, LONG}][:"tuple_name=tuple_value,..."];
```

Site Type

Central Site Master, Central Site Slave, Field Site

Purpose

The purpose of this command is to output the Software Update Database (SUDB) records.

Explanation of Arguments

relation_name	Relation name (example, AAP_SUDB)
FORM	Determines the type of report (example, LONG); for the full listing of the software updates database.
tuple_name	The name (specified in abbreviated form) of a particular item in the database.
tuple_value	The value (either alphabetic or numerical) for a specified tuple_name.

OP:SLAVE Message

OP:SLAVE;

Site Type

Central Site Master

Purpose

Outputs information in the Slave (SLAVE) database.

Explanation of Arguments

None

OP:UPD Message

```
OP:UPD:DAYWK=a[ ,TIME=b][ ,LIMIT=c];
```

Site Type

Central Site Master, Central Site Slave, Field Site

Purpose

Output information in the Update File.

Explanation of Arguments

- a** Output information in the Update File for the Week (single value 0-6 with 0=Sunday).
- b** Start time (hours:minutes format). For example, 1310 means 1:10 p.m. (single value 0000-2359; default is 0000).
- c** Maximum number of output lines (single value 1-1000; default 10).

Play a File (PFILE) Message

ANNC:PFILE Message

```
ANNC:PFILE:FILE=e;
```

Site Type

Central Site Master, Field Site

Purpose

Plays a specified file in "/usr/aap/anncbkup" or "/usr/aap/tmp" directory to the speaker/handset. Some delay will occur between the end of the message and when the announcement is heard.

Explanation of Arguments

- e** Input announcement file in "/usr/aap/anncbkup" or "/usr/aap/tmp" directory. Announcement file name can contain upper/lowercase alphanumeric characters, periods (.), and underlines (_).

Poll Message

ANNC:POLL:ANNSET Message

```
ANNC:POLL:ANNSET=a[ ,SCS=b,SCU=c ] [ ,LANCONT=d ] ;
```

Site Type

Central Site Master, Field Site

Purpose

Polls a specified Announcement Set.

Explanation of Arguments

- | | |
|----------|---|
| a | Announcement Set (single value A-Z). |
| b | Service Circuit System (single value 0-7; default all). |
| c | Service Circuit Unit (single value 0-15; default all). |
| d | LAN controller number (single value 0-1; default active LAN). |

Record a File (RFILE) Message

ANNC:RFILE Message

```
ANNC:RFILE:FILE=h:LEN=g;
```

Site Type

Central Site Master, Field Site

Purpose

Records an announcement from a tape player/handset to a specified file in "/usr/aap/tmp" directory.

Explanation of Arguments

- | | |
|----------|--|
| g | Length of announcement in seconds (0-261). Zero is a half second announcement. |
| h | Output announcement file saved in "/usr/aap/tmp" directory. Announcement file name can contain uppercase/lowercase alphanumeric characters, periods (.), and underlines (_). |

Recent Change (RC) Messages

RC:ANNUPD Message

```
RC:ANNUPD:UPD=DLT,KEY=a;
```

Site Type

Central Site Master, Field Site

Purpose

Deletes a specified update from the ANNUPD database.

Explanation of Arguments

DLT	Delete data in the database.
a	Database key (single value 0-99999).

RC:AUDIT Message

```
RC:AUDIT:UPD=ADD,KEY=a:TYPE=b,ANNSET=c,FROM=d,TO=e,UCL={0|1},
MO=g,DAYMO=h,DAYWK=i,HR=j,MIN=k;
```

```
RC:AUDIT:UPD=CHG,KEY=a:{KEY=a|TYPE=b|ANNSET=c|FROM=d|TO=e|
UCL={0|1}|MO=g|DAYMO=h|DAYWK=i|HR=j|MIN=k};
```

```
RC:AUDIT:UPD=DLT,KEY=a;
```

Site Type

Central Site Master, Field Site

Purpose

Adds, changes, or deletes specified data in the AUDIT database. Audits that are added to the database are enabled (ENA = 1).

Explanation of Arguments

ADD	Add data to the database.
CHG	Change data in the database.
DLT	Delete data in the database.
a	Database Key (single value 0-99999).
b	Audit type (single value 0-6).
c	Announcement Set (single value A-Z).
d	From Announcement ID range (single value 1-65535) or Announcement Mapping Address (single value 1-511).

- e** To Announcement ID range (single value 1-65535) or Announcement Mapping Address (single value 1-511).
- g** Month (single value 1-12 or ALL means every month).
- h** Day of the Month (single value 1-31 or ALL means every day of the month).
- i** Day of the Week (single value 0-6 with 0 = Sunday or ALL means every day of the week).
- j** Hour (single value 0-23 or ALL for every hour).
- k** Minute (single value 0-59 or ALL for every minute).

RC:FSITE Message

```
RC:FSITE:UPD=ADD,KEY=a:OFID=b,PRIPN=c,SECPN=d,CLLI=e;
```

```
RC:FSITE:UPD=CHG,KEY=a:{KEY=a|OFID=b|PRIPN=c|SECPN=d|CLLI=e};
```

```
RC:FSITE:UPD=DLT,KEY=a;
```

Site Type

Central Site Master

Purpose

Adds, changes, or deletes data in the FSITE database (only central site).

Explanation of Arguments

ADD	Add data to the database.
CHG	Change data in the database.
DLT	Delete data in the database.
a	Database Key (single value 0-99999).
b	Office ID (single value 1-32000).
c	Primary phone number (single value, maximum 25 numeric digits).
d	Secondary phone number (single value, maximum 25 numeric digits).
e	CLLI code number (maximum 10 uppercase alphanumeric characters).

RC:MACHINE Message

```
RC:MACHINE:UPD=ADD,KEY=a:OFID=b,CLLI=c,TYPE=d,LVL=e,CTYPE=f,CSPN=g;
```

```
RC:MACHINE:UPD=CHG,KEY=a:{KEY=a|OFID=b|CLLI=c|TYPE=d|LVL=e,CTYPE=f,CSPN=g};
```

```
RC:MACHINE:UPD=DLT,KEY=a;
```

Site Type

Central Site Master, Central Site Slave, Field Site

Purpose

Adds, changes, or deletes specified data in the MACHINE database.

Explanation of Arguments

ADD	Add data to the database.
CHG	Change data in the database.
DLT	Delete data in the database.
a	Database Key (single value 0-99999).
b	Office ID (single value 1-32000). If the OFID attribute is CHGed, the AAP will need to be rebooted. This is done at the AAP console by pressing the F9 key to access the EAI page and selecting boot option 53 .
c	CLLI code (single value, maximum 10 uppercase alphanumeric characters).
d	Machine type (single value M S F; M=master, S=slave, F=field).

- e** Audio level (single value 0-24; 0=lowest level; 24=highest level; functional only on central site).
- f** Call type. (Software Defined Data Network) (single value 0-1; 0 = TYPE0, 1 = TYPE1).
- g** Central site phone number (single value, maximum 25 numeric digits).

RC:SCUEQP Message

```
RC:SCUEQP:UPD=ADD,KEY=a:ANNSET=b,SCS=c,SCU=d,LANADR={e|DFLT};
```

```
RC:SCUEQP:UPD=CHG,KEY=a:{KEY=a|ANNSET=b|SCS=c|SCU=d|LANADR={e|DFLT}};
```

```
RC:SCUEQP:UPD=DLT,KEY=a;
```

Site Type

Central Site Master, Field Site

Purpose

Adds, changes, deletes specified data in the SCUEQP database. SCUs that are added to the database are disabled (ENA=0).

Explanation of Arguments

ADD	Add data to the database.
CHG	Change data in the database.
DLT	Delete Key in the database.
a	Database Key (single value 0-99999).
b	Announcement Set (single value A-Z).
c	SCS (single value 0-7).
d	SCU (single value 0-15).
e,DFLT	LAN Address (text string value DFLT or 10 hex digits 0-9 and A-F).

RC:SETEQP Message

```
RC:SETEQP:UPD=ADD,KEY=a:ANNSET=b,SETADR={c|DFLT},SETNUM=d;
```

```
RC:SETEQP:UPD=CHG,KEY=a:{KEY=a|ANNSET=b|SETADR={c|DFLT}|SETNUM=d};
```

```
RC:SETEQP:UPD=DLT,KEY=a;
```

Site Type

Central Site Master, Field Site

Purpose

Adds, changes, or deletes specified data in the SETEQP database.

Explanation of Arguments

ADD	Add data to the database.
CHG	Change data in the database.
DLT	Delete data in the database.
a	Database Key (single value 0-99999).
b	Announcement Set (single value A-Z).
c,DFLT	Announcement Set Multicast Address (text string DFLT or 10 hex digits 0-9 and A-F).
d	Announcement Set number (single value 0-254).

RC:SLAVE Message

```
RC:SLAVE:UPD=ADD,KEY=a:CSID=b,ISOID=c;
```

```
RC:SLAVE:UPD=CHG,KEY=a:{KEY=a|CSID=b|ISOID=c};
```

```
RC:SLAVE:UPD=DLT,KEY=a;
```

Site Type

Central Site Master

Purpose

Adds, changes, or deletes specified data in the SLAVE database (only central site).

Explanation of Arguments

ADD	Add data to the database.
CHG	Change data in the database.
DLT	Delete data in the database.
a	Database Key (single value 0-99999).
b	Central Site Office ID (single value 1-32000).
c	International Standards Organization ID (16 hex digits; 0-9, A-F).

Record Message

ANNC:RCD:ANNSET Message

```
ANNC:RCD:ANNSET=a[ ,SCS=b,SCU=c ] [ ,DISK=d ] [ ,RAM={YES|NO} ] :
ANN=e,ANNVER=f, {LEN=g|FILE=h} ;
```

Site Type

Central Site Master, Field Site

Purpose

Records a specified announcement to a specified Announcement Set from a tape player/handset or a specified announcement file in "/usr/aap/anncbkup" or "/usr/aap/tmp" directory. The announcement file must be created using the VER:MODE2 or RFILE message.

Explanation of Arguments

a	Announcement Set (single value A-Z).
b	SCS (single value 0-7; default all).
c	SCU (single value 0-15; default all).
d	Disk Pair (single value 0-3; default 0).
RAM	(YES or NO) Announcement will be loaded in Announcement Memory and disks if YES. If NO, announcement will only be loaded on disks. Default is NO.

⇒ NOTE:

When the RAM argument is specified, the value of the Disk Pair will be forced to 0 (zero) even though a different value may be specified.

e	Announcement ID (single value 1-65535).
----------	---

⇒ NOTE:

Announcements within the range of 2001-2017 are reserved for internal SCU use only. Any attempt to use an announcement within this range will result in

generating SCU error (65303 or 0xFF17).

- f** Announcement Version number contains four uppercase alphanumeric characters. This cannot be the string "NONE."
- g** Length of announcement in seconds (0-261). Zero is a half second announcement.
- h** Input (from AAP to SCS) announcement file. Announcement file name can contain uppercase/lowercase alphanumeric characters, periods (.), and underlines (_).

Remove Messages

ANNC:RMV:ANNSET Message

```
ANNC:RMV:ANNSET=a[ ,SCS=b,SCU=c, ]:ANN=d;
```

Site Type

Central Site Master, Field Site

Purpose

Removes a specified announcement from a specified Announcement Set.

Explanation of Arguments

- a** Announcement Set (single value A-Z).
- b** SCS (single value 0-7; default all).
- c** SCU (single value 0-15; default all).
- d** Announcement ID (single value 1-65535).

⇒ NOTE:

Announcements within the range of 2001-2017 are reserved for internal SCU use only. Any attempt to use an announcement within this range will result in generating SCU error (65303 or 0xFF17).

RMV:AAPBD Message

```
RMV:AAPBD: {cpuX|iopN|memX|scsiN[:devN|diskN|tapeN]|audio0|enetN|priN|spN};
```

Site Type

Central Site Master, Central Site Slave, Field Site

Purpose

The purpose of this command is to take a hardware component off-line. The tapeN and audio0 parameters are for Central Site Master machines only.

Explanation of Arguments

Not all of the shown parameters may be available at your site. Parameter availability is dependent upon board placement and machine configuration. The following parameters are used with this command:

cpuX	Central Processing Unit Module. Value: cpuA cpuB cpuC.
iopN	Input/Output Controller Module. Value: iop0 iop1.
memX	Memory Module. Value: memA memC.
scsiN	Small Computer System Interface Module. Value: scsi0 scsi1.
diskN.	Disk Module. Value: disk0 disk1 disk2 disk6.
tapeN	Tape Module. Value: tape4.
audio0	Audio Module. Value: audio0.
enetN	Ethernet LAN Controller Module. Value: enet0 enet1.

- priN** Integrated Services Digital Network Primary Rate Interface Module (ISDN PRI). Value: pri0|pri1|pri2|pri3|pri4.
- spN** Service Processor Module. Value: sp0|sp1.

If you attempt to remove the second Central Processing Unit, Input/Output Controller, or Memory module, you will get a command stating that the command has been aborted; however, it is possible to remove both Service processors. This is highly undesirable. In the event this accidentally occurs, you will need to perform restoration procedure TAP-138.

Replace Message

ANNC:RPLC:ANNSET Message

```
ANNC:RPLC:ANNSET=a, [SCS=b, SCU=c, ]ANN=d, ANNVER=e:ANN=f ;
```

Site Type

Central Site Master, Field Site

Purpose

Replaces (swaps) a specified announcement (announcement text, version, length, checksum, and so on) with another specified announcement (announcement text, version, length, checksum, and so on) in the same Announcement Set.

Explanation of Arguments

- a** Announcement Set (single value A-Z).
- b** Service Circuit System (single value 0-7; default all).
- c** Service Circuit Unit (single value 0-15; default all).
- d** Current Announcement ID (single value 1-65535).

⇒ NOTE:

Announcements within the range of 2001-2017 are reserved for internal SCU use only. Any attempt to use an announcement within this range will result in generating SCU error (65303 or 0xFF17).

- e** Announcement Version number contains four uppercase alphanumeric characters. This cannot be the string "NONE."
- f** New Announcement ID (single value 1-65535).

⇒ NOTE:

Announcements within the range of 2001-2017 are reserved for internal SCU use only. Any attempt to use an announcement within this range will result in generating SCU error (65303 or 0xFF17).

Restore Message

RST AAPBD Message

```
RST:AAPBD: {cpuX|iopN|memX|scsiN[:devN|diskN|tapeN]|audio0|enetN|priN|spN};
```

Site Type

Central Site Master, Central Site Slave, Field Site

Purpose

The purpose of this command is to put a hardware component on-line. When **RST:AAPBD** is used to restore a Disk or SCSI, **AUD:MIRROR:CMD=REPAIR** must then be executed to restore the disk mirroring.

Explanation of Arguments

The following parameters are used with this command:

cpuX	Central Processing Unit Module. Value: cpuA cpuB cpuC.
iopN	Input/Output Controller Module. Value: iop0 iop1.
memX	Memory Module. Value: memA memC.
scsiN	Small Computer System Interface Module. Value: scsi0 scsi1.
diskN	Disk Module. Value: disk0 disk1 disk2 disk6.
tapeN	Tape Module. Value: tape4.
audio0	Audio Module. Value: audio0.
enetN	Ethernet LAN Controller Module. Value: enet0 enet1.
priN	Integrated Services Digital Network Primary Rate Interface Module (ISDN PRI). Value: pri0 pri1 pri2 pri3 pri4.

spN Service Processor Module. Value: sp0|sp1.

Set Message

SET:CLK Message

```
SET:CLK: {NOW=<mhdyhhmmmyyyy> | BWD=<secs> | FWD=<secs>} ;
```

Site Type

Central Site Master, Central Site Slave, Field Site

Purpose

The purpose of this command is to set the date and time on the system clock and service processor(s) clock. If you use this command, you will need to re-initialize the AAP software due to this software's utilization of timers. After executing `SET:CLK` to reset the AAP software and maintenance software from within the Craft Shell, type `INIT:AAP:AAPL`, and then type `INIT:NSPS`.

Explanation of Arguments

The following parameters are used with this command:

NOW	Set the date and time to the following (must be a total of 12 digits).
mh	Month. Value: 01-12.
dy	Day. Value: 01-31.
hh	Hour. Value: 00-23.
mm	Minute. Value: 00-59.
yyyy	Year (example: 1993). Value: 0000-9999.
BWD	Backward (set the time back by the following seconds).
FWD	Forward (set the time forward by the following seconds).
secs	Seconds. Value: 1-300.

Stop Messages

STOP:AAP Message

STOP:AAP:a;

Site Type

Central Site Master, Central Site Slave, Field Site

Purpose

Stops AAP Application Software or specified AAP process. This message will not stop the UNIX operating system.

Explanation of Arguments

a	Name of one of the following AAP processes.
AAP	AAP System (AAP Applications software).
AAPADM	AAP Administration Process.
AUDIT	Audit Process (only central site master and field sites).
AUDIO	Audio Process (only central site).
BCAST	Bcaster Process (only central site and central site slave).
CI	CAUCS Interface Process (only central site master).
ISDN0	Number zero ISDN Process.
ISDN1	Number one ISDN Process.
ISDN2	Number two ISDN Process (only central site master and slave).
ISDN3	Number three ISDN Process (only central site slave).
ISDN4	Number four ISDN Process (only central site slave).
LANCMD	LAN Commands Process (only central site master and field sites).

LANADM	LAN Administration Process (only central site master and field sites).
MI	Maintenance Interface Process (only central site master and field sites).

STOP:JOB Message

```
STOP:JOB:ID=a;
```

Site Type

Central Site Master, Central Site Slave, Field Site

Purpose

Stops a specified job.

Explanation of Arguments

a Job ID. Use message **OP:JOB** to list jobs on queue.

AAP Update Messages

UPD:BWM:APPLY Message

```
UPD:BWM:APPLY:update[ :NIO ] ;
```

Site Type

Central Site Master, Central Site Slave, Field Site

Purpose

The purpose of this command is to put a software update in the “soaking state” on the machine.

Explanation of Arguments

The following parameters are used with this command:

update	The software update number associated with the apply action. The software update number must be in the form BWMxx-yyyy or CFTxx-yyyy, where "xx" is the last 2 digits of the year and "yyyy" is a unique 4-digit number associated with the BWM or CFT.
NIO	Not-In-Order option. This argument will allow the software update number less than the currently permed number.

UPD:BWM:BKOUT Message

```
UPD:BWM:BKOUT:update;
```

Site Type

Central Site Master, Central Site Slave, Field Site

Purpose

The purpose of this command is to back out an update that was determined to be unwanted during the soak period. The update must be in the APPLY state before it can be backed out.

Explanation of Arguments

The following parameter is used with this command:

update	The software update number associated with the apply action. The software update number must be in the form BWMxx-yyyy or CFTxx-yyyy, where "xx" is the last 2 digits of the year and "yyyy" is a unique 4-digit number associated with the BWM or CFT.
---------------	---

UPD:BWM:BOLO Message

```
UPD:BWM:BOLO:update;
```

Site Type

Central Site Master, Central Site Slave, Field Site

Purpose

The purpose of this command is to back out the last official permed software update. The update must be in the PERM state before it can be backed out.

Explanation of Arguments

The following parameter is used with this command:

update	The software update number associated with the apply action. The software update number must be in the form BWMxx-yyyy or CFTxx-yyyy, where "xx" is the last 2 digits of the year and "yyyy" is a unique 4-digit number associated with the BWM or CFT.
---------------	---

UPD:BWM:DISPLAY Message

```
UPD:BWM:DISPLAY;
```

Site Type

Central Site Master, Central Site Slave, Field Site

Purpose

The purpose of this command is to display the BWM log file, the BWMs in the **/etc/bwm** directory, and the currently applied and currently permed BWMs.

Explanation of Arguments

None required.

UPD:BWM:PERM Message

```
UPD:BWM:PERM:update;
```

Site Type

Central Site Master, Central Site Slave, Field Site

Purpose

The purpose of this command is to make the installation and soaking software permanent.

Explanation of Arguments

The following parameter is used with this command:

update	The software update number associated with the apply action. The software update number must be in the form BWMxx-yyyy or CFTxx-yyyy, where "xx" is the last 2 digits of the year and "yyyy" is a unique 4-digit number associated with the BWM or CFT.
---------------	---

UPD:BWM:RMV Message

```
UPD:BWM:RMV:update;
```

Site Type

Central Site Master, Central Site Slave, Field Site

Purpose

The purpose of this command is to remove a BWM directory from the **/etc/bwm** directory.

Explanation of Arguments

The following parameter is used with this command:

update	The software update number associated with the apply action. The software update number must be in the form BWMxx-yyyy or CFTxx-yyyy, where "xx" is the last 2 digits of the year and "yyyy" is a unique 4-digit number associated with the BWM or CFT.
---------------	---

UPD:BWM:VFY Message

```
UPD:BWM:VFY:update;
```

Site Type

Central Site Master, Central Site Slave, Field Site

Purpose

The purpose of this command is to verify that each file under a given BWM is correct by performing a byte count and checksum check against that BWM's HDR file. The user must run this command before the UPD:BWM:APPLY command. This command is used to verify the files under a particular BWM before the apply state.

Explanation of Arguments

The following parameter is used with this command:

update	The software update number associated with the apply action. The software update number must be in the form BWMxx-yyyy or CFTxx-yyyy, where "xx" is the last 2 digits of the year and "yyyy" is a unique 4-digit number associated with the BWM or CFT.
---------------	---

UPD:SD Message

```
UPD:SD:UPD=a,REL=b:"tuple_name=tuple_value,...";
```

Site Type

Central Site Master, Central Site Slave, Field Site

Purpose

The purpose of this command is to update the SCDB database.

Explanation of Arguments

The following parameters are used with this command:

a	Type of update command (ADD - add, CHG - change, DLT - delete).
b	Relation name.
tuple_name	Attribute name.
tuple_value	Attribute value.

ADD adds an attribute to the relation. If one with the specified key values already exists, it will fail. **CHG** changes an attribute. **DLT** fails if no attribute with the specified key value exists. If the **ADD** or **DLT** command does not work, there will always be an error message telling you why it failed.

CDSU Update Messages

UPD:CDSUBWM:APPLY Message

```
UPD:CDSUBWM:APPLY:update:SCS=a,SCU=b[,UNIT=c][,RST=d][:NIO];
```

Site Type

Central Site Master, Central Site Slave, Field Site

Purpose

The purpose of this command is to put a software update in the “soaking state” on the machine.

SCS and SCU numbers have to be specified for this update command. The UNIT (CDSU) number, is optional. If a UNIT number is not specified in the input command line, the command will look through the CDSU database and execute the update for every CDSU number under the input specified SCS/SCU pair. If the command fails with one of the CDSUs, an ABORT message will be printed for this failing CDSU, but then the command will continue with the next valid CDSU until every valid CDSU has been executed. If a UNIT number is specified in the input command line, the update will only be executed for the specified CDSU unit.

The update must be verified before it can be applied.



CAUTION:

The ASR SCU should be removed from service prior to this process.

Explanation of Arguments

The following parameters are used with this command:

update

The software update number associated with the apply action. The software update number must be in the form BWMxx-yyyy or CFTxx-yyyy, where "xx" is the last 2 digits of the year and "yyyy" is a unique 4-digit number associated with the BWM or CFT.

- NIO** Not-In-Order option. This argument will allow the software update number less than the currently permed number.
- a** SCS Number.
- b** SCU Number.
- c** CDSU Number.
- d** YES or NO. RST is a special option which is only used when restoring a backed-up CDSU during a software update. RST should only be used with the special software update number: BWM00-00000. CDSU Backup and Restore procedures are found in DLP-557 and DLP-558, respectively, of 201-525-016AC, *AAP Maintenance, Diagnostics, and Trouble Clearing*.

UPD:CDSUBWM:BKOUT Message

```
UPD:CDSUBWM:BKOUT:update:SCS=a,SCU=b[,UNIT=c];
```

Site Type

Central Site Master, Central Site Slave, Field Site

Purpose

The purpose of this command is to back out an update that was determined to be unwanted during the soak period. The update must be in the APPLY state before it can be backed out.

SCS and SCU numbers have to be specified for this update command. The UNIT (CDSU) number, is optional. If a UNIT number is not specified in the input command line, the command will look through the CDSU database and execute the update for every CDSU number under the input specified SCS/SCU pair. If the command fails with one of the CDSUs, an ABORT message will be printed for this failing CDSU, but then the command will continue with the next valid CDSU until every valid CDSU has been executed.

If a UNIT number is specified in the input command line, the update will only be executed for the specified CDSU unit.



CAUTION:

The ASR SCU should be removed from service prior to this process.

Explanation of Arguments

The following parameters are used with this command:

update	The software update number associated with the apply action. The software update number must be in the form BWMxx-yyyy or CFTxx-yyyy, where "xx" is the last 2 digits of the year and "yyyy" is a unique 4-digit number associated with the BWM or CFT.
a	SCS Number.
b	SCU Number.
c	CDSU Number.

UPD:CDSUBWM:BOLO Message

```
UPD:CDSUBWM:BOLO:update:SCS=a,SCU=b[ ,UNIT=c][ ,RST=d];
```

Site Type

Central Site Master, Central Site Slave, Field Site

Purpose

The purpose of this command is to back out the last official permed software update. The update must be in the PERM state before it can be backed out.

SCS and SCU numbers have to be specified for this update command. The UNIT (CDSU) number, is optional. If a UNIT number is not specified in the input command line, the command will look through the CDSU database and execute the update for every CDSU number under the input specified SCS/SCU pair. If the command fails with one of the CDSUs, an ABORT message will be printed for this failing CDSU, but then the command will continue with the next valid CDSU until every valid CDSU has been executed.

If a UNIT number is specified in the input command line, the update will only be executed for the specified CDSU unit.



CAUTION:

The ASR SCU should be removed from service prior to this process.

Explanation of Arguments

The following parameters are used with this command:

update	The software update number associated with the apply action. The software update number must be in the form BWMxx-yyyy or CFTxx-yyyy, where "xx" is the last 2 digits of the year and "yyyy" is a unique 4-digit number associated with the BWM or CFT.
a	SCS Number.
b	SCU Number.
c	CDSU Number.

- d** YES or NO. RST is a special option which is only used when restoring a backed-up CDSU during a software update. RST should only be used with the special software update number: BWM00-00000. CDSU Backup and Restore procedures are found in DLP-557 and DLP-558, respectively, of 201-525-016AC, *AAP Maintenance, Diagnostics, and Trouble Clearing*.

UPD:CDSUBWM:DISPLAY Message

```
UPD:CDSUBWM:DISPLAY[ :SCS=a, SCU=b, UNIT=c ] ;
```

Site Type

Central Site Master, Central Site Slave, Field Site

Purpose

The purpose of this command is to display the BWM log file, the BWMs in the **/etc/bwm** directory, and the currently applied and currently permed BWMs.

If SCS and SCU numbers are not specified for this update command, the command will look through the CDSU database and execute the update for every CDSU entry in the database. If SCS and SCU numbers are specified, but the UNIT number is not, the command will look through the CDSU database and execute the update for every CDSU number under this specified SCS/SCU pair. If the command fails with one of the CDSUs, an ABORT message will be printed for the failing CDSU, but the command will continue with the next valid CDSU until every valid CDSU has been executed.

If the SCS, SCU, and UNIT numbers are all specified in the input command line, the update will only be executed for the specified CDSU unit.

Explanation of Arguments

- | | |
|----------|--------------|
| a | SCS Number. |
| b | SCU Number. |
| c | CDSU Number. |

UPD:CDSUBWM:PERM Message

```
UPD:CDSUBWM:PERM:update:SCS=a,SCU=b[ ,UNIT=c ] ;
```

Site Type

Central Site Master, Central Site Slave, Field Site

Purpose

The purpose of this command is to make the installation and soaking software permanent. SCS and SCU numbers have to be specified for this update command. The UNIT (CDSU) number, is optional. If a UNIT number is not specified in the input command line, the command will look through the CDSU database and execute the update for every CDSU number under the input specified SCS/SCU pair. If the command fails with one of the CDSUs, an ABORT message will be printed for this failing CDSU, but then the command will continue with the next valid CDSU until every valid CDSU has been executed.

If a UNIT number is specified in the input command line, the update will only be executed for the specified CDSU unit.

Explanation of Arguments

The following parameters are used with this command:

update	The software update number associated with the apply action. The software update number must be in the form BWMxx-yyyy or CFTxx-yyyy, where "xx" is the last 2 digits of the year and "yyyy" is a unique 4-digit number associated with the BWM or CFT.
a	SCS Number.
b	SCU Number.
c	CDSU Number.

UPD:CDSUBWM:RMV Message

```
UPD:CDSUBWM:RMV:update[ :SCS=a,SCU=b,[UNIT=c] ] ;
```

Site Type

Central Site Master, Central Site Slave, Field Site

Purpose

The purpose of this command is to remove a BWM directory from the **/etc/bwm** directory.

If SCS and SCU numbers are not specified for this update command, the command will look through the CDSU database and execute the update for every CDSU entry in the database. If SCS and SCU numbers are specified, but the UNIT number is not, the command will look through the CDSU database and execute the update for every CDSU number under this specified SCS/SCU pair. If the command fails with one of the CDSUs, an ABORT message will be printed for the failing CDSU, but the command will continue with the next valid CDSU until every valid CDSU has been executed.

If the SCS, SCU, and UNIT numbers are all specified in the input command line, the update will only be executed for the specified CDSU unit.

Explanation of Arguments

The following parameters are used with this command:

update	The software update number associated with the apply action. The software update number must be in the form BWMxx-yyyy or CFTxx-yyyy, where "xx" is the last 2 digits of the year and "yyyy" is a unique 4-digit number associated with the BWM or CFT.
a	SCS Number.
b	SCU Number.
c	CDSU Number.

UPD:CDSUBWM:VFY Message

```
UPD:CDSUBWM:VFY:update:[SCS=a,SCU=b,[UNIT=c]];
```

Site Type

Central Site Master, Central Site Slave, Field Site

Purpose

The purpose of this command is to verify that each file under a given BWM is correct by performing a byte count and checksum check against that BWM's HDR file. The user must run this command before the UPD:CDSUBWM:APPLY command. This command is used to verify the files under a particular BWM before the apply state.

If SCS and SCU numbers are not specified for this update command, the command will look through the CDSU database and execute the update for every CDSU entry in the database. If SCS and SCU numbers are specified, but the UNIT number is not, the command will look through the CDSU database and execute the update for every CDSU number under this specified SCS/SCU pair. If the command fails with one of the CDSUs, an ABORT message will be printed for the failing CDSU, but the command will continue with the next valid CDSU until every valid CDSU has been executed.

If the SCS, SCU, and UNIT numbers are all specified in the input command line, the update will only be executed for the specified CDSU unit.

Explanation of Arguments

The following parameters are used with this command:

update	The software update number associated with the apply action. The software update number must be in the form BWMxx-yyyy or CFTxx-yyyy, where "xx" is the last 2 digits of the year and "yyyy" is a unique 4-digit number associated with the BWM or CFT.
a	SCS Number.
b	SCU Number.
c	CDSU Number.

UPD:CDSU Message

```
UPD:CDSU:UPD=x:"a1=v1,..."
```

Site Type

Central Site Master, Central Site Slave, Field Site

Purpose

The purpose of this command is to update the CDSU database on the AAP so that the AAP and CDSU can communicate.

Explanation of Arguments

The following parameters are used with this command:

- | | |
|--------------|---|
| x | Type of update command (ADD - add, CHG - change, DLT - delete). |
| a1=v1 | Attribute value pair <ul style="list-style-type: none">■ For UPD=ADD, this sets the attribute in the new entry to value. The attribute names are listed below. For UPD=ADD, all attributes marked with a (*) MUST be present; other attributes may be present, or will be defaulted to normal values.■ For UPD=DLT, the KEY attribute MUST be present, and identifies which entry to delete.■ For UPD=CHG, the KEY attribute MUST be present and identifies which entry will be changed. All other attributes listed will have their values reset to the value parameter given. |

The following attributes are supported in the CDSU database:

1. **KEY:** (*) Legal values: **0-99999**. Must be unique in the database, used to identify records.
2. **SCS:** (*) Legal values: **0-7**. Indicates the SCS complex to which the CDSU is attached.

3. **SCU:** (*) Legal values: **0-15**. Indicates the SCU in the SCS complex to which the CDSU is attached.
4. **CDSU:** (*) Legal values: **0-4**. Indicates which CDSU on the SCU.
5. **GEN:** (*) Legal values: **any string**. Indicates what generic of software the CDSU is running.
6. **PERM_TYPE:** Legal values: **CFT** or **BWM**. Combines with PERM_NUM to indicate what BWM is currently permed.
7. **PERM_NUM:** Legal values: **0-999999**. Numeric part of current permed BWM.
8. **PRE_PERM_TYPE:** Legal values: **CFT** or **BWM**. Combines with PRE_PERM_NUM to indicate what BWM was previously permed.
9. **PRE_PERM_NUM:** Legal values: **0-999999**. Numeric part of previously permed BWM.
10. **APPLY_TYPE:** Legal values: **CFT** or **BWM**. Combines with APPLY_NUM to indicate what BWM is currently APPLyEd.
11. **APPLY_NUM:** Legal values: **0-999999**. Numeric part of current APPLyEd BWM.
12. **LAST_PERM_BWM_N:** Legal values: **0-999999**. Last permed BWM number.
13. **LAST_PERM_CFT_N:** Legal values: **0-999999**. Last permed CFT number.
14. **PRE_PERM_BWM_NU:** Legal values: **0-999999**. Previous permed BWM number.
15. **PRE_PERM_CFT_NU:** Legal values: **0-999999**. Previous permed CFT number.

Scu Copy Messages

SCU ABORT Message

SCUCOPY:ABORT

Site Type

Central Site Master, Field Site

Purpose

Aborts an SCUCOPY in progress.

Explanation of Arguments

None

Input Message Acknowledgements

IP Request is in Progress.

RL Retry Later.

RL:Initialization Failure

Retry this later. If this continues, use INIT:NSPS to restart the maintenance software and then retry.

NG:Invalid Command Line

Re-enter command according to input syntax.

NG:Internal Error Escalate for support.

NG:Invalid Range Specification for ANN

Fix usage of && in ANN field.

NG:Invalid Range for ANN

Fix announcement range and retry.

NG:Invalid ANN range plus OFFSET

Correct so that range + OFFSET within 1-65535.

SCUCOPY COMPARE Message

```
SCUCOPY:COMPARE:SCS=a,SCU=b,ANNSET=c[ ,ANN=d|d&&z]  
[ ,DISK=e]:SCS=f,SCU=g[ ,ANNSET=h][ ,OFFSET=k][ ,LIMIT=n]
```

Site Type

Central Site Master, Field Site

Purpose

Will compare the announcements on two SCUs and print out differences, ignoring what disk the announcements are on.

Explanation of Arguments

a	Source Service Circuit System (single value 0-7).
b	Source Service Circuit Unit (single value 0-15).
c	Source Announcement Set (single value A-Z).
d d&&z	Source Announcement ID or range (single value 1-65535 or range; default 1&&65535).
e	Source Disk Pair (single value 0, 1, or ALL: default ALL).
f	Destination Service Circuit System (single value 0-7).
g	Destination Service Circuit Unit (single value 0-15).
h	Destination Announcement Set (single value A-Z; default = Source Announcement Set).
k	Offset for Destination announcement IDs (single value -65534 to 65534; default 0).
m	Destination Disk Pair (single value 0, 1, or ALL; default 0).
n	Limit of output errors printed by COMPARE (single value 0 - 65535; default 100).

Input Message Acknowledgements

IP Request is in Progress.

RL Retry Later.

RL:Initialization Failure

Retry this later. If this continues, use INIT:NSPS to restart the maintenance software and then retry.

NG:Invalid Command Line

Re-enter command according to input syntax.

NG:Internal Error Escalate for support.

NG:Invalid Range Specification for ANN

Fix usage of && in ANN field.

NG:Invalid Range for ANN

Fix announcement range and retry.

NG:Invalid ANN Range plus OFFSET

Correct so that + OFFSET within 1-65535.

SCUCOPY COPY Message

```
SCUCOPY: COPY: SCS=a, SCU=b, ANNSET=c[ , ANN=d|d&&z ]
[ , DISK=e ]: SCS=f, SCU=g[ , ANNSET=h ] [ , OFFSET=k ] [ , DISK=m ]
```

Site Type

Central Site Master, Field Site

Purpose

Will copy the announcements from one SCU to the same or another SCU, where the destination range of announcements is clean.

Explanation of Arguments

a	Source Service Circuit System (single value 0-7).
b	Source Service Circuit Unit (single value 0-15).
c	Source Announcement Set (single value A-Z).
d d&&z	Source Announcement ID or range (single value 1-65535 or range; default 1&&65535).
e	Source Disk Pair (single value 0, 1, or ALL: default ALL).
f	Destination Service Circuit System (single value 0-7).
g	Destination Service Circuit Unit (single value 0-15).
h	Destination Announcement Set (single value A-Z; default = Source Announcement Set).
k	Offset for Destination announcement IDs (single value -65534 to 65534; default 0).
m	Destination Disk Pair (single value 0, 1, or ALL; default 0).

Input Message Acknowledgements

IP Request is in Progress.

RL Retry Later.

RL:Initialization Failure

Retry this later. If this continues, use INIT:NSPS to restart the maintenance software and then retry.

NG:Invalid Command Line

Re-enter command according to input syntax.

NG:Internal Error Escalate for support.

NG:Invalid Range Specification for ANN

Fix usage of && in ANN field.

NG:Invalid Range for ANN

Fix announcement range and retry.

NG:Invalid ANN Range plus OFFSET

Correct so that + OFFSET within 1-65535.

SCUCOPY UPDATE Message

```
SCUCOPY:UPDATE:SCS=a,SCU=b,ANNSET=c[ ,ANN=d|d&&z ]
[ ,DISK=e]:SCS=f,SCU=g[ ,ANNSET=h][ ,OFFSET=k][ ,DISK=m]
```

Site Type

Central Site Master, Field Site

Purpose

Will compare the announcements from one SCU to the same or another SCU, making the destination match the source by copy or delete. Update will leave announcements on the destination alone if they are correct.

Explanation of Arguments

a	Source Service Circuit System (single value 0-7).
b	Source Service Circuit Unit (single value 0-15).
c	Source Announcement Set (single value A-Z).
d d&&z	Source Announcement ID or range (single value 1-65535 or range; default 1&&65535).
e	Source Disk Pair (single value 0, 1, or ALL: default ALL).
f	Destination Service Circuit System (single value 0-7).
g	Destination Service Circuit Unit (single value 0-15).
h	Destination Announcement Set (single value A-Z; default = Source Announcement Set).
k	Offset for Destination announcement IDs (single value -65534 to 65534; default 0).
m	Destination Disk Pair (single value 0, 1, or ALL; default 0).

Input Message Acknowledgements

IP	Request is in Progress.
RL	Retry Later.

RL:Initialization Failure

Retry this later. If this continues, use INIT:NSPS to restart the maintenance software and then retry.

NG:Invalid Command Line

Re-enter command according to input syntax.

NG:Internal Error Escalate for support.

NG:Invalid Range Specification for ANN

Fix usage of && in ANN field.

NG:Invalid Range for ANN

Fix announcement range and retry.

NG:Invalid ANN Range plus OFFSET

Correct so that + OFFSET within 1-65535.

Verify Messages

ANNC:VER:MODE1 Message

```
ANNC:VER:MODE1:ANNSET=a[ ,SCS=b,SCU=c] [ ,DETL={YES|NO} ]
[ ,UCL={YES|NO} ] :ANN={f | f&&g} ;
```

Site Type

Central Site Master, Field Site

Purpose

Verifies a specified announcement or range of announcements in a specified Announcement Set for version, length, bit-by-bit comparison, and CRC.

Explanation of Arguments

a	Announcement Set (single value A-Z).
b	SCS (single value 0-7; default all).
c	SCU (single value 0-15; default all).
f, f&&g	Announcement ID (single value 1-65535 or range of values).
DETL	(YES or NO) If YES, output detailed Pass/Fail and Errors. If NO, output summary of Pass/Fail and Errors. Default is NO.
UCL	(YES or NO) If YES, output all errors. If NO, output first error and quit. Default is NO.

ANNC:VER:MODE2 Message

```
ANNC:VER:MODE2:ANNSET=a[ ,SCS=b,SCU=c][ ,FILE=e]:ANN=f;
```

Site Type

Central Site Master, Field Site

Purpose

Verifies a specified announcement in a specified Announcement Set by playing the audio data to the speaker/handset or copying the audio data to a specified file in the directory "/usr/aap/tmp". Announcement files are recorded to SCUs using the RCD:ANN message.

Explanation of Arguments

- | | |
|----------|---|
| a | Announcement Set (single value A-Z). |
| b | SCS (single value 0-7; default all). |
| c | SCU (single value 0-15; default all). |
| e | Output (from SCS to AAP) announcement file.
Announcement file name can contain uppercase/lowercase alphanumeric characters, periods (.), and underlines (_). |
| f | Announcement ID (single value 1-65535). |

ANNC:VER:MODE3 Message

```
ANNC:VER:MODE3:ANNSET=a[ ,SCS=b,SCU=c][ ,DETL={YES|NO} ]  
[ ,UCL={YES|NO} ]:ANN={f|f&&g};
```

Site Type

Central Site Master, Field Site

Purpose

Verifies a specified announcement or range of announcements in a specified Announcement Set for version, length, and Cyclic Redundancy Checksum (CRC).

Explanation of Arguments

a	Announcement Set (single value A-Z).
b	SCS (single value or 0-7; default all).
c	SCU (single value or 0-15; default all).
f, f&&g	Announcement ID (single value 1-65535 or range of values).
DETL	(YES or NO) If YES, output detailed Pass/Fail and Errors. If NO, output summary of Pass/Fail and Errors. Default is NO.
UCL	(YES or NO) If YES, output all errors. If NO, output first error and quit. Default is NO.

ANNC:VER:MODE4 Message

```
ANNC:VER:MODE4:ANNSET=a[ ,SCS=b,SCU=c][ ,UCL={YES|NO}]:  
ANN={d|d&&e};
```

Site Type

Central Site Master, Field Site

Purpose

Verifies a specified announcement in a specified announcement set for bit-by-bit comparison.

Explanation of Arguments

a	Announcement Set (single value A-Z).
b	SCS (single value 0-7; default all).
c	SCU (single value 0-15; default all).
d, d&&e	Announcement ID (single value 1-65535 or range of values).
UCL	(YES or NO) If YES, output all errors. If NO, output first error and quit. Default is NO.

ANNC:VER:MODE6 Message

```
ANNC:VER:MODE6:[SCS=b,SCU=c][,DETL={YES|NO}]  
[,UCL={YES|NO}]:AA={e|e&&f};
```

Site Type

Central Site Master, Field Site

Purpose

Verifies a specified Announcement Mapping Address or range of Announcement Mapping Addresses in Announcement Set N.

Explanation of Arguments

b	SCS (single value 0-7; default all).
c	SCU (single value 0-15; default all).
e, e-f	Announcement Mapping Address (single value 1-511 or range of values).
DETL	(YES or NO) If YES, output detailed Pass/Fail and Errors. If NO, output summary of Pass/Fail and Errors. Default is NO.
UCL	(YES or NO) If YES, output all errors. If NO, output first error and quit. Default is NO.

MML Output Commands

8

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MML Output Commands

8

Allow Messages

ALW:AUDIT Message

Message:

```
ALW:AUDIT KEY {a|ALL} results
KEY TYPE ANNSET FROM TO UCL MO DAYMO DAYWK HR MIN ENA ACT
  0 1 N 1 65535 0 * * * 1 00 1 1
  1 1 S 1 65535 0 1 1 0 1 00 0 0
99999 0 N 1 511 1 12 30 * 23 59 1 1
mh/dy/yr hh:mm:ss tz #nnn
```

Reason for Output:

Result of input command.

Items Requiring Explanation:

ALW:AUDIT KEY Body of input message.
{a|ALL}

database header KEY—Database Key (single value 0-99999).
TYPE—Audit type (single value 0-6). 0 = assignment

mapping address, 1 = announcement equipped, 2 = statistics, 3 = bit by bit audio data, 4 = database, 5 = file system, and 6 = monitor process alive/dead.

ANNSET—Announcement Set (single value A-Z).

FROM—From Announcement IS range (single value 1-65535) or Announcement Mapping Address (single value 1-511).

TO—To Announcement ID range (single value 1-65535) or Announcement Mapping Address (single value 1-511).

UCL—Unconditional Audit (0 = conditional, 1 = unconditional).

MO—Month (single value 1-12 or * that means every month).

DAYMO—Day of the Month (single value 1-31 or * that means every day of the month).

DAYWK—Day of the Week (single value 0-6 with 0 = Sunday or * that means every day of the week).

HR—Hour (single value 0-23 or * that means every hour).

MIN—Minute (single value 0-59 or * that means every minute).

ENA—Enable audio (0 = NO, 1 = YES). Use message *INH:AUDIT* or *ALW:AUDIT* to inhibit (disable) or allow (enable) respectively the running of a specified audit.

ACT—Audit active (0 = NO, 1 = YES).

results Completed—The specified audit is enabled to run. Audit records that are affected by the message are also printed out.

CONT (Continues)—This is a continuation of a previous output message.

Errors—See Appendix A for a listing of the error codes.

mh/dy/yr Date (month/day/year).

hh:mm:ss tz Time (hour:minute:second) and time zone.

#nnn Message sequence number (0-999).

Action to be Taken:

None.

ALW:SCUEQP Message

Message:

```
ALW:SCUEQP KEY {a|ALL} results
  KEY  ANNSET  SCS  SCU  LANADR  ENA  ACT
    0    S     0   0   08006A190A  0   0
 99999  N     7  15   08006A190A  1   1
mh/dy/yr hh:mm:ss tz #nnn
```

Reason for Output: Result of input command.

Items Requiring Explanation:

ALW:SCUEQP KEY {a ALL}	Body of input message.
Database Header	KEY—Database Key (single value 0-99999). ANNSET—Announcement Set (single value A-Z). SCS—Service Circuit System (single value 0-7). SCU—Service Circuit Unit (single value 0-15). LANADR—Local Area Network Address (10 hex digits; 0-9, A-F). ENA—Enable SCU (0 = NO, 1 = YES). Use message <i>INH:SCUEQP</i> to inhibit (disable) or <i>ALW:SCUEQP</i> to allow (enable) the specified SCU. ACT—SCU active (0 = NO, 1 = YES).
results	Completed—The specified SCU is enabled to run. SCU Equipage records that are affected by the message are also printed out. Errors—See Appendix A for a listing of the error codes.
mh/dy/yr	Date (month/day/year).
hh:mm:ss tz	Time (hour:minute:second) and time zone.
#nnn	Message sequence number (0-999).

Action to be Taken:

None.

Assign Messages

ANNC:ASN:ANN Message

Message:

```
ASN:[SCS a SCU b ]ANN c AA d ANN e results  
mh/dy/yr hh:mm:ss tz #nnn
```

Reason for Output:

Result of input command.

Items Requiring Explanation:

ASN:[SCS a SCU b]ANN c AA d ANN e results	Body of input message.
mh/dy/yr	Completed—New announcement has been assigned to the Announcement Mapping Address.
hh:mm:ss tz	Errors—See Appendix A for a listing of the error codes.
#nnn	Date (month/day/year).
	Time (hour:minute:second) and time zone.
	Message sequence number (0-999).

Action to be Taken:

None.

ANNC:AUD Message

Example of TYPE 0 audit output (assignment mapping address). Only error data will be displayed. **Message:**

```
AUD:KEY a results

ANNOUNCEMENT MAPPING ADDRESS INFORMATION - ERROR DATA
-----
AA  ANN  SCS  SCU
2   1020  0    2
2   1002  0    1
mh/dy/yr hh:mm:ss tz  #nnn
```

Example of TYPE 1 audit output (announcement equipped). Only error data will be displayed. **Message:**

```
AUD:KEY a results

ANNOUNCEMENT INFORMATION - ERROR DATA
-----
ANN EQU  SCS  SCU
1   1    0    2  -  -  -  -
1   0    0    1
mh/dy/yr hh:mm:ss tz #nnn
```

Example of TYPE 2 audit output (statistics). Only error data will be displayed.

Message:

```
AUD:KEY a results

ANNOUNCEMENT INFORMATION - ERROR DATA
-----
  ANN  LENS CU  SCS  SCU  DISK  RAM  ANNVER      CRC
    2      -    0    2    -    -    -          -
    2     16    0    1    0    0    TEST 46EDE3B8
mh/dy/yr hh:mm:ss tz  #nnn
```

Example of TYPE 3 audio output (bit-by-bit audio data). Only error data will be displayed. **Message:**

```
AUD:KEY a
mh/dy/yr 07:24:23 ct #421
```

Example of audit output for type 4 (database), TYPE 5 (file system), and TYPE 6 (monitor process alive/dead). Errors are recorded in the log file. Use OP:LOG message to display any errors. **Message:**

```
AUD:KEY a results
mh/dy/yr hh:mm:ss tz  #nnn
```

Reason for Output:

Result of input command.

Items Requiring Explanation:

AUD:KEY a	Body of input message.
header	ANN—Announcement ID (single value 1-65535). LENSCU—Announcement length (single value 0-255 in SCU seconds). SCS—Service Circuit System number (single value 0-7). SCU—Service Circuit Unit number (single value 0-15). DISK—Disk pair (single value 0-3). RAM—Announcement in announcement memory (0 = NO, 1 = YES). ANNVER—Announcement Version (4 characters). CRC—Announcement checksum.
Results	Completed—The output from the specified audit has completed. PF (Printout Follows)—An output message will follow. CONT (Continues)—This is a continuation of a previous output message. Errors—See Appendix A for a listing of the error codes.
mh/dy/yr	Date (month/day/year).
hh:mm:ss tz	Time (hour:minute:second) and time zone.
#nnn	Message sequence number (0-999).

Action to be Taken:

None.

Audit Messages

AUD:DB Message

Message:

```
AUD:DB Completed  
Manual Database Audit of <db_name> Started.
```

Reason for Output:

This command has completed successfully.

Items Requiring Explanation:

db_name - The name of the database the audit was run on (SCDB, OMDB, CSDB or MCDDB).

Action to be Taken:

None.

Message:

```
AUD:DB Not_Started  
Failed to attach to database <db_name>, status=database_not_exist
```

Reason for Output:

An invalid database name was specified.

Items Requiring Explanation:

db_name - The name of the invalid database.

Action to be Taken:

Reenter the command with a valid database name: SCDB, OMDB, CSDB or MCDDB.

Message:

```
AUD:DB Not_Started  
Currently in progress, try later
```

Reason for Output:

None.

Items Requiring Explanation:

None.

Action to be Taken:

Reenter the command later.

AUD:MIRROR Message

Message:

```
AUD:MIRROR Completed  
MASTER Files Created
```

Reason for Output:

Result of input command.
CMD=MASTER completed successfully.

Items Requiring Explanation:

None.

Action to be Taken:

None.

Message:

```
AUD:MIRROR Completed  
Disk Mirroring is Restored to Online
```

Reason for Output:

Result of input command.
Command completed successfully.

Items Requiring Explanation:

None.

Action to be Taken:

None.

Message:

```
AUD:MIRROR Completed  
Disk Mirroring is Online
```

Reason for Output:

Result of input command.
Command completed successfully.

Items Requiring Explanation:

None.

Action to be Taken:

None.

Message:

```
AUD:MIRROR Completed  
Disk Mirroring Failure  
These mirror problems cannot be fixed by AUD:MIRROR  
Contact next level of support
```

Reason for Output:

Result of input command.
Mirror database problems were detected.
AUD:MIRROR cannot fix certain database problems.

Items Requiring Explanation:

None.

Action to be Taken:

Contact next level of support.

Message:

```
AUD:MIRROR Completed  
Disk Mirroring Failure  
To Fix, use AUD:MIRROR:CMD=REPAIR
```

Reason for Output:

Result of input command.
Mirror database problems detected.

Items Requiring Explanation:

None.

Action to be Taken:

Execute the command AUD:MIRROR:CMD=REPAIR.

Message:

```
AUD:MIRROR Completed  
Disk Read CRC Check is Restored to Online
```

Reason for Output:

Result of input command.
Command completed successfully.
Disks are free of CRC errors.

Items Requiring Explanation:

None.

Action to be Taken:

None.

Message:

```
AUD:MIRROR Completed  
Disk Read CRC Check is Online
```

Reason for Output:

Result of input command.
Command completed successfully.
Disks are free of CRC errors.

Items Requiring Explanation:

None.

Action to be Taken:

None.

Message:

```
AUD:MIRROR Completed  
Disk Read CRC Failure  
To Fix, use AUD:MIRROR:CMD=REPAIR,OPTION=FULL
```

Reason for Output:

Result of input command.
Disk CRC problems detected.

Items Requiring Explanation:

None.

Action to be Taken:

Execute the command AUD:MIRROR:CMD=REPAIR,OPTION=FULL.

Message:

```
AUD:MIRROR Completed  
Disk Read CRC Failure
```

Reason for Output:

Result of input command.
Disk CRC problems were detected.

Items Requiring Explanation:

None.

Action to be Taken:

Execute the command AUD:MIRROR:CMD=REPAIR,OPTION=FULL.

Message:

```
AUD:MIRROR In Progress  
Block by Block disk read started to search for errors  
This may take up to 2 hours to complete.
```

Reason for Output:

Result of input command.
AUD:MIRROR checking for CRC errors.

Items Requiring Explanation:

None.

Action to be Taken:

None.

Message:

```
AUD:MIRROR In Progress  
Repair of the Disk Mirroring is now being started  
This may take up to 3 hours to complete
```

Reason for Output:

Result of input command.
AUD:MIRROR:CMD=REPAIR is repairing the disk mirrors.

Items Requiring Explanation:

None.

Action to be Taken:

None.

Message:

```
AUD:MIRROR In Progress  
<Various System messages on progress of re-mirroring>
```

Reason for Output:

Result of input command.
Status messages only.

Items Requiring Explanation:

None.

Action to be Taken:

None.

Message:

```
AUD:MIRROR Not Started  
Retry Later
```

Reason for Output:

Result of input command.
AAP Software being restarted.

Items Requiring Explanation:

None.

Action to be Taken:

Retry the command later.

Message:

```
AUD:MIRROR Not Started  
MASTER not created due to unmirrored Databases
```

Reason for Output:

Results of input command.
CMD=MASTER failed due to disks not being mirrored.

Items Requiring Explanation:

None.

Action to be Taken:

Use CMD=REPAIR. If this fails, contact next level of support.

Message:

```
AUD:MIRROR Not Started  
MASTER not created due to System Command Failure
```

Reason for Output:

Result of input command.
CMD=MASTER failed due to failure of underlying system command.

Items Requiring Explanation:

None.

Action to be Taken:

Contact next level of support.

Message:

```
AUD:MIRROR Not Started  
Repair not started due to other system activity
```

Reason for Output:

Result of input command.
CMD=REPAIR failed due to other volume activity detected on the system.

Items Requiring Explanation:

None.

Action to be Taken:

Retry at 1- hour intervals.
Contact next level of support after 6 hours have elapsed.

Message:

```
AUD:MIRROR Not Started  
Another AUD:MIRROR:CMD=REPAIR is currently Executing
```

Reason for Output:

Result of input command.
CMD=REPAIR failed because another CMD=REPAIR is executing.

Items Requiring Explanation:

None.

Action to be Taken:

Wait for original AUD:MIRROR:CMD=REPAIR to complete.

Message:

```
AUD:MIRROR Not Started  
Audit not started due to Configuration Failure
```

Reason for Output:

Result of input command.
Configuration files are missing or corrupt.

Items Requiring Explanation:

None.

Action to be Taken:

Contact next level of support.

Message:

```
AUD:MIRROR Not Started  
System command Vold not responding
```

Reason for Output:

Result of input command.
System command controlling the mirror databases is missing.

Items Requiring Explanation:

None.

Action to be Taken:

Contact next level of support.

Message:

```
AUD:MIRROR Stopped  
Internal Error Detected
```

Reason for Output:

Result of input command.
Program processing error.

Items Requiring Explanation:

None.

Action to be Taken:

Contact next level of support.

Message:

```
AUD:MIRROR Stopped  
Audit Stopped due to Disk not in Online State
```

Reason for Output:

Result of input command.
AUD:MIRROR will not restore disk to Online State.

Items Requiring Explanation:

None.

Action to be Taken:

Use RST:AAPBD to restore disk drive, then re-run AUD:MIRROR.

Message

```
AUD MIRROR Stopped  
Mirror Database Damage Detected that Cannot Be Fixed Automatically
```

Reason for Output:

Result of input command.
AUD:MIRROR cannot fix certain database problems.

Items Requiring Explanation:

None.

Action to be Taken:

Contact next level of support.

Message:

```
AUD:MIRROR Aborted
Audit could not complete due to Configuration Failure
```

Reason for Output:

Result of input command.
Configuration files are missing or corrupt.

Items Requiring Explanation:

None.

Action to be Taken:

Contact next level of support.

AUD:SD Message

Message:

```
AUD:SD Completed  
<N1> warnings found  
<N2> errors found  
<N3> errors corrected  
<N4> audits completed  
<N5> audits aborted
```

Reason for Output:

The AUD:SD command has completed successfully.

Items Requiring Explanation:

N1	The number of warnings found.
N2	The number of errors found.
N3	The number of errors corrected.
N4	The number of audits completed.
N5	The number of audits aborted.

Action to be Taken:

None.

Browse Message

BWS:LOG Message

Message:

```
BWS:LOG Completed
wk  mh dt hh:mm:ss yr  prc  pid   ll
log_messages
log_messages
```

Reason for Output:

This command has completed successfully.

Items Requiring Explanation:

wk	The day of the week.
mh	The month.
dt	The date this line was produced.
yr	The year.
prc	The process name that printed this LOG line.
pid	The process ID of the process name.
ll	The length of LOG line.
log_messages	The actual LOG message line.

Action to be Taken:

None.

Message:

```
BWS:LOG Not_Started  
Log file NAME does not exist.
```

Reason for Output:

The requested filename is not valid.

Items Requiring Explanation:

None.

Action to be Taken:

Reenter the command using a valid file name.

Message:

```
BWS:LOG Not_Started  
No log filename provided.
```

Reason for Output:

No log filename was specified.

Items Requiring Explanation:

None.

Action to be Taken:

Reenter the command specifying the appropriate log file name.

Clear Messages

CLR:ANNUPD Message

Message:

```
CLR:ANNUPD results  
mh/dy/yr hh:mm:ss tz #nnn
```

Reason for Output:

Result of input command.

Items Requiring Explanation:

CLR:ANNUPD	Body of input message.
results	Completed—The ANNUPD database has been cleared (initialized). Errors—See Appendix A for a listing of the error codes.
mh/dy/yr	Date (month/day/year).
hh:mm:ss tz	Time (hour:minute:second) and time zone.
#nnn	Message sequence number (0-999).

Action to be Taken:

None.

CLR:AUDIT Message

Message:

```
CLR:AUDIT results  
mh/dy/yr hh:mm:ss tz #nnn
```

Reason for Output:

Result of input command.

Items Requiring Explanation:

CLR:AUDIT	Body of input message.
results	Completed—The AUDIT database has been cleared (initialized). Errors—See Appendix A for a listing of the error codes.
mh/dy/yr	Date (month/day/year).
hh:mm:ss tz	Time (hour:minute:second) and time zone.
#nnn	Message sequence number (0-999).

Action to be Taken:

None.

CLR:CAUCS Message

Message:

```
CLR:CAUCS results  
mh/dy/yr hh:mm:ss tz #nnn
```

Reason for Output:

Result of input command.

Items Requiring Explanation:

CLR:CAUCS	Body of input message.
results	Completed—The CAUCS database has been cleared (initialized). Errors—See Appendix A for a listing of the error codes.
mh/dy/yr	Date (month/day/year).
hh:mm:ss tz	Time (hour:minute:second) and time zone.
#nnn	Message sequence number (0-999).

Action to be Taken:

None.

CLR:FSITE Message

Message:

```
CLR:FSITE results  
mh/dy/yr hh:mm:ss tz #nnn
```

Reason for Output:

Result of input command.

Items Requiring Explanation:

CLR:FSITE	Body of input message.
results	Completed—The FSITE database has been cleared (initialized). Errors—See Appendix A for a listing of the error codes.
mh/dy/yr	Date (month/day/year).
hh:mm:ss tz	Time (hour:minute:second) and time zone.
#nnn	Message sequence number (0-999).

Action to be Taken:

None.

CLR:MACHINE Message

Message:

```
CLR:MACHINE results  
mh/dy/yr hh:mm:ss tz #nnn
```

Reason for Output:

Result of input command.

Items Requiring Explanation:

CLR:MACHINE	Body of input message.
results	Completed—The MACHINE database has been cleared (initialized). Errors—See Appendix A for a listing of the error codes.
mh/dy/yr	Date (month/day/year).
hh:mm:ss tz	Time (hour:minute:second) and time zone.
#nnn	Message sequence number (0-999).

Action to be Taken:

None.

CLR:MEAS Message

Message:

```
CLR:MEAS results  
mh/dy/yr hh:mm:ss tz #nnn
```

Reason for Output:

Result of input command.

Items Requiring Explanation:

CLR:MEAS	Body of input message.
results	Completed—The output from the verification of an announcement or range of announcements in the Announcement Set has completed. Errors—See Appendix A for a listing of the error codes.
mh/dy/yr	Date (month/day/year).
hh:mm:ss tz	Time (hour:minute:second) and time zone.
#nnn	Message sequence number (0-999).

Action to be Taken:

None.

CLR:SCUEQP Message

Message:

```
CLR:SCUEQP results  
mh/dy/tr hh:mm:ss tz #nnn
```

Reason for Output:

Result of input command.

Items Requiring Explanation:

CLR:SCUEQP	Body of input message.
results	Completed—The SCUEQP database has been cleared (initialized). Errors—See Appendix A for a listing of the error codes.
mh/dy/yr	Date (month/day/year).
hh:mm:ss tz	Time (hour:minute:second) and time zone.
#nnn	Message sequence number (0-999).

Action to be Taken:

None.

CLR:SETEQP Message

Message:

```
CLR:SETEQP results  
mh/dy/yr hh:mm:ss tz #nnn
```

Reason for Output:

Result of input command.

Items Requiring Explanation:

CLR:SETEQP	Body of input message.
results	Completed—The SETEQP database has been cleared (initialized). Errors—See Appendix A for a listing of the error codes.
mh/dy/yr	Date (month/day/year).
hh:mm:ss tz	Time (hour:minute:second) and time zone.
#nnn	Message sequence number (0-999).

Action to be Taken:

None.

CLR:SLAVE Message

Message:

```
CLR:SLAVE results  
mh/dy/yr hh:mm:ss tz #nnn
```

Reason for Output:

Result of input command.

Items Requiring Explanation:

CLR:SLAVE	Body of input message.
results	Completed—The SLAVE database has been cleared (initialized). Errors—See Appendix A for a listing of the error codes.
mh/dy/yr	Date (month/day/year).
hh:mm:ss tz	Time (hour:minute:second) and time zone.
#nnn	Message sequence number (0-999).

Action to be Taken:

None.

Copy Message

ANNC:COPY:ANN Message

Message:

```
COPY:ANNSET a SCS b SCU c ANN d [ANNSET e ]SCS f SCU g[DISK h ] [RAM ]ANN i  
ANNVER "j" results  
mh/dy/yr hh:mm:ss tz #nnn
```

Reason for Output:

Result of input command.

Items Requiring Explanation:

COPY:ANNSET a SCS b SCU c ANN d [ANNSET e]SCS f SCU g[DISK h] [RAM] ANN i ANNVER j	Body of input message.
results	Completed—The announcement has been copied to the Announcement Set. Errors—See Appendix A for a listing of the error codes.
mh/dy/yr	Date (month/day/year).
hh:mm:ss tz	Time (hour:minute:second) and time zone.
#nnn	Message sequence number (0-999).

Action to be Taken:

None.

Inhibit Messages

INH:AUDIT Message

Message:

```

INH:AUDIT KEY a results
  KEY TYPE ANNSET FROM TO UCL MO DAYMO DAYWK HR MIN ENA ACT
    0 1 N 1 65535 0 * * * 1 00 1 1
    1 1 S 1 65535 0 1 1 0 1 00 0 0
99999 0 N 1 511 1 12 30 * 23 59 1 1
mm/dy/yr hh:mm:ss tz #nnn

```

Reason for Output:

Result of input command.

Items Requiring Explanation:

INH:AUDIT KEY a Body of input message.

database header KEY—Database Key (single value 0-99999).

 TYPE—Audit type (single value 0-6). 0 = assignment mapping address, 1 = announcement equipped, 2 = statistics, 3 = bit by bit audio data, 4 = database, 5 = file system, and 6 = monitor process alive/dead.

 ANNSET—Announcement Set (single value A-Z).

 FROM—From Announcement IS range (single value 1-65535) or Announcement Mapping Address (single value 1-511).

 TO—To Announcement ID range (single value 1-65535) or Announcement Mapping Address (single value 1-511).

 UCL—Unconditional Audit (0 = conditional, 1 = unconditional).

 MO—Month (single value 1-12 or * that means every month).

 DAYMO—Day of the Month (single value 1-31 or * that means every day of the month).

DAYWK—Day of the Week (single value 0-6 with 0 = Sunday or * that means every day of the week).

HR—Hour (single value 0-23 or * that means every hour).

MIN—Minute (single value 0-59 or * that means every minute).

ENA—Enable audio (0 = NO, 1 = YES). Use message *INH:AUDIT* or *ALW:AUDIT* to inhibit (disable) or allow (enable) respectively the running of a specified audit.

ACT—Audit active (0 = NO, 1 = YES).

results Completed—The AUDIT database has been cleared (initialized). Audit records that are affected by the message are also printed out.

Errors—See Appendix A for a listing of the error codes.

mh/dy/yr Date (month/day/year).

hh:mm:ss tz Time (hour:minute:second) and time zone.

#nnn Message sequence number (0-999).

Action to be Taken:

None.

INH:SCUEQP Message

Message:

```
INH:SCUEQP KEY {a|ALL} results
  KEY  ANNSET  SCS  SCU  LANADR  ENA  ACT
    0    S     0   0   08006A190A  0   0
 99999  N     7  15   08006A190A  1   1
mh/dy/yr hh:mm:ss tz #nnn
```

Reason for Output: Result of input command.

Items Requiring Explanation:

INH:SCUEQP KEY {a ALL}	Body of input message.
Database Header	KEY—Database Key (single value 0-99999). ANNSET—Announcement Set (single value A-Z). SCS—Service Circuit System (single value 0-7). SCU—Service Circuit Unit (single value 0-15). LANADR—Local Area Network Address (10 hex digits; 0-9, A-F). ENA—Enable SCU (0 = NO, 1 = YES). Use message <i>INH:SCUEQP</i> to inhibit (disable) or <i>ALW:SCUEQP</i> to allow (enable) the specified SCU. ACT—SCU active (0 = NO, 1 = YES).
results	Completed—The specified SCU is inhibited from running. SCU Equipage records that are affected by the message are also printed out. PF (Printout Follows)—An output message will follow. Errors—Refer Appendix A for a listing of the error codes.
mh/dy/yr	Date (month/day/year).
hh:mm:ss tz	Time (hour:minute:second) and time zone.
#nnn	Message sequence number (0-999).

Action to be Taken:

None.

Initiate Message

IN:REMOTE Message

Message:

```
IN:REMOTE:REPORT In_Progress
IN:REMOTE:REPORT output--Part 1 of 2
Status of UUCP BWM download
-----
<Status>
<Output>
ENTRIES IN THE /etc/bwm DIRECTORY
-----
/etc/bwm/<update>
Currently perm'd and currently applied BWMs
-----
Currently perm'd BWM is: <update>
Currently applied BWM is: <update>
```

Reason for Output:

This command has completed successfully.

Items Requiring Explanation:

- | | |
|--------|---|
| Status | This is the status of the IN:REMOTE:START command. The following messages can appear in this field: <ul style="list-style-type: none">▪ IN:REMOTE:START is currently running - This means that there is an IN:REMOTE:START task currently running.▪ IN:REMOTE:START is not currently running - This means that there is not an IN:REMOTE:START task currently running.▪ System error in displaying IN:REMOTE:START status - This error message can be caused by any of the following reasons. |
|--------|---|

- The machine has run out of space.
- RMI is not responding to the peg count request.
- An error is coming back from RMI.

Output This will be the output results of the UNIX system call "uustat -m", which provides the connection status between the AAP and the SCANS machine.

update The software update number associated with the apply action. The software update number must be in the form BWMxx-yyyy or CFTxx-yyyy, where "xx" is the last 2 digits of the year and "yyyy" is a unique 4-digit number associated with the BWM or CFT.

Action to be Taken:

1. Reenter the input command.
2. If the error message recurs, enter the **INIT:NSPS** command to restart the AAP maintenance system.
3. If the failure still recurs after restarting the AAP maintenance system, contact the next level of support for assistance.

Message:

```
Status of UUCP BWM download
-----
System error in displaying IN:REMOTE:START status
```

Reason for Output:

This command has failed to communicate with the **IN:REMOTE:START** command.

Items Requiring Explanation:

None.

Action to be Taken:

Reenter the command. If the error message recurs after reentering the command, contact the next level of support for assistance.

Message:

```
Status of UUCP BWM download
-----
System error in displaying the downloaded BWMs (uustat failed)
```

Reason for Output:

This command has failed to communicate with the UUSTAT system call.

Items Requiring Explanation:

None.

Action to be Taken:

Contact the next level of support for assistance.

Message:

```
Status of UUCP BWM download
-----
System error in displaying the downloaded BWMs
```

Reason for Output:

This command has failed to communicate with the UUSTAT system call.

Items Requiring Explanation:

None.

Action to be Taken:

Contact the next level of support for assistance.

Message:

```
Entries in the /etc/bwm directory:
-----
/etc/bwm is not accessible
```

Reason for Output:

This command has failed to access the **/etc/bwm** directory.

Items Requiring Explanation:

None.

Action to be Taken:

Contact the next level of support for assistance.

Message:

```
Entries in the /etc/bwm directory:
-----
System error in displaying the BWMS in etc/bwm
```

Reason for Output:

This command has failed to access the **/etc/bwm** directory.

Items Requiring Explanation:

None.

Action to be Taken:

Contact the next level of support for assistance.

Message:

```
Entries in the /etc/bwm directory:
-----
System error in displaying the BWMs
```

Reason for Output:

This command has failed to list the **/etc/bwm** directory.

Items Requiring Explanation:

None.

Action to be Taken:

Contact the next level of support for assistance.

Message:

```
Entries in the /etc/bwm directory:
-----
There are no BWMs or CFTs in etc/bwm.
```

Reason for Output:

There are no BWMs in the **/etc/bwm** directory.

Items Requiring Explanation:

None.

Action to be Taken:

This message is for information only, there is no action required.

Message:

```
Currently perm'd and currently applied BWMs  
-----  
Cannot access the BWM database
```

Reason for Output:

This command has failed to access the **AAP_SUDB** database.

Items Requiring Explanation:

None.

Action to be Taken:

1. Reenter the input command.
2. If the error message recurs, enter the **INIT:NSPS** command to restart the AAP_maintenance system.
3. If the failure still recurs after restarting the AAP_maintenance system, contact the next level of support for assistance.

Message:

```
Currently perm'd and currently applied BWMs  
-----  
Cannot access currently perm'd BWM in the database
```

Reason for Output:

This command has failed to access an attribute in the **AAP_SUDB** database.

Items Requiring Explanation:

None.

Action to be Taken:

1. Reenter the input command.
2. If the error message recurs, enter the **INIT:NSPS** command to restart the AAP_maintenance system.
3. If the failure still recurs after restarting the AAP_maintenance system, contact the next level of support for assistance.

Message:

```
Currently perm'd and currently applied BWMs
-----
There is nothing currently perm'd
```

Reason for Output:

No currently permed files are in the **/etc/bwm** directory.

Items Requiring Explanation:

None.

Action to be Taken:

This message is for information only, no action is required.

Message:

```
Currently perm'd and currently applied BWMs
-----
Cannot access currently applied BWM in the database
```

Reason for Output:

This command has failed to access an attribute in the **AAP_SUDB** database.

Items Requiring Explanation:

None.

Action to be Taken:

1. Reenter the input command.
2. If the error message recurs, enter the **INIT:NSPS** command to restart the AAP_maintenance system.
3. If the failure still recurs after restarting the AAP_maintenance system, contact the next level of support for assistance.

Message:

```
Currently perm'd and currently applied BWMS
-----
There is nothing currently applied
```

Reason for Output:

There are no currently applied files in the **/etc/bwm** directory.

Items Requiring Explanation:

None.

Action to be Taken:

This message is for information only, no action is required.

Message:

```
Received Software Request to Stop Command
Command Aborted
```

Reason for Output:

The **IN:REMOTE:START** command process received a message to abort the command.

Items Requiring Explanation:

None.

Action to be Taken:

None.

Message:

```
SCANS Login Password
```

Reason for Output:

The **IN:REMOTE:START** command process displays the SCAN login password.

Items Requiring Explanation:

None.

Action to be Taken:

None.

Message:

```
Network Connection Timeout.
```

Reason for Output:

The **IN:REMOTE:START** command failed to establish a connection to the SCANS machine within the given time period. The command process will try to reestablish the connection automatically.

Items Requiring Explanation:

None.

Action to be Taken:

1. Check the SCANS phone number in the **AAP_SUDB** database.
2. Check if ISDN process groups 0 and 1 are operational.

3. If these actions fail to provide a resolution of the problem, contact the next level of support for assistance.

Message:

```
Network Disconnect Received.
```

Reason for Output:

The **IN:REMOTE:START** command received a network disconnect message. The command process will try to reestablish the connection automatically.

Items Requiring Explanation:

None.

Action to be Taken:

1. Check the SCANS phone number in the **AAP_SUDB** database.
2. Check if ISDN process groups 0 and 1 are operational.
3. If these actions fail to provide a resolution to the problem, contact the next level of support for assistance.

Message:

```
File Transfer Failed.
```

Reason for Output:

The **IN:REMOTE:START** command failed to transfer the file. The command process will try to reestablish the connection and attempt to transfer the file automatically.

Items Requiring Explanation:

None.

Action to be Taken:

1. Check that the password was properly added to the SCANS machine.
2. Check the SCANS machine name in the **AAP_SUDB** database.
3. If these actions fail to provide a resolution to the problem, contact the next level of support for assistance.

Message:

```
Maximum Number of Network Connection Attempts Exceeded.  
Command Aborted
```

Reason for Output:

The **IN:REMOTE:START** command failed to establish a connection to the SCANS machine.

Items Requiring Explanation:

None.

Action to be Taken:

1. Check the SCANS phone number in the **AAP_SUDB** database.
2. Check if ISDN process groups 0 and 1 are operational.
3. If these actions fail to provide a resolution to the problem, contact the next level of support for assistance.

Message:

```
Network Disconnect Received.  
Maximum Number of Network Connection Attempts Exceeded.  
Command Aborted
```

Reason for Output:

The **IN:REMOTE:START** command failed to establish a connection to the SCANS machine.

Items Requiring Explanation:

None.

Action to be Taken:

Contact the next level of support for assistance.

Message:

```
File Transfer Failed  
Maximum Number of File Transfer Attempts Exceeded.  
Command Aborted
```

Reason for Output:

The **IN:REMOTE:START** command failed to perform a file transfer from the SCANS machine.

Items Requiring Explanation:

None.

Action to be Taken:

1. Check that the password was properly added to the SCANS machine.
2. Check the SCANS machine name in the **AAP_SUDB** database.
3. If these actions fail to provide a resolution to the problem, contact the next level of support for assistance.

Message:

```
Network Disconnect Received.  
Maximum Number of File Transfer Attempts Exceeded.  
Command Aborted
```

Reason for Output:

The **IN:REMOTE:START** command failed to perform a file transfer from the SCANS machine.

Items Requiring Explanation:

None.

Action to be Taken:

1. Check the SCANS phone number in the **AAP_SUDB** database.
2. Check if ISDN process groups 0 and 1 are operational.
3. If these actions fail to provide a resolution to the problem, contact the next level of support for assistance.

Message:

```
IN:REMOTE:START Not_Started  
Memory Allocation Failure  
Command Aborted
```

Reason for Output:

The **IN:REMOTE:START** command process detected a fatal error, it detected that the system does not have enough memory.

Items Requiring Explanation:

None.

Action to be Taken:

1. Reenter the **IN:REMOTE:START** command.
2. If the error message recurs, contact the next level of support for assistance.

Message:

```
IN:REMOTE:START Not_Started  
Access of Database Failed.  
Command Aborted
```

Reason for Output:

The **IN:REMOTE:START** command process cannot access the **AAP_SUDB** database.

Items Requiring Explanation:

None.

Action to be Taken:

1. Contact the next level of support for assistance.

Message:

```
IN:REMOTE:START Not_Started  
System Failure.  
Command Aborted
```

Reason for Output:

The **IN:REMOTE:START** command process detected a fatal system error, it detected that the command failed to call the UNIX system routine.

Items Requiring Explanation:

None.

Action to be Taken:

1. Reenter the **IN:REMOTE:START** command.
2. If the error message recurs, contact the next level of support for assistance.

Message:

```
IN:REMOTE:START Not_Started  
Internal Failure.  
Command Aborted
```

Reason for Output:

The **IN:REMOTE:START** command process detected an internal software error.

Items Requiring Explanation:

None.

Action to be Taken:

1. Reenter the **IN:REMOTE:START** command.
2. If the error message recurs, contact the next level of support for assistance.

Message:

```
IN:REMOTE:START Not_Started  
RMI Stream Access Failure.  
Command Aborted
```

Reason for Output:

The **IN:REMOTE:START** command process failed to access the RMI Stream.

Items Requiring Explanation:

None.

Action to be Taken:

1. Reenter the **IN:REMOTE:START** command.
2. If the error message recurs, contact the next level of support for assistance.

Message:

```
IN:REMOTE:START Not_Started  
Access of RMI Stream Failed.  
Command Aborted
```

Reason for Output:

The **IN:REMOTE:START** command process failed to access the RMI Stream.

Items Requiring Explanation:

None.

Action to be Taken:

1. Reenter the **IN:REMOTE:START** command.
2. If the error message recurs, contact the next level of support for assistance.

Message:

```
IN:REMOTE:START Not_Started  
Access of ISDN Stream Failed.  
Command Aborted
```

Reason for Output:

The **IN:REMOTE:START** command process failed to access the ISDN Stream.

Items Requiring Explanation:

None.

Action to be Taken:

1. Reenter the **IN:REMOTE:START** command.
2. If the error message recurs, refer to the Check ISDN Process Group TAP-160 in 201-525-016AC, *AAP Maintenance, Diagnostics, and Trouble Clearing*, for instructions on resolving the condition causing the error message.

Initialize Messages

INIT:AAP

Message:

```
INIT:AAP a results  
mh/dy/yr hh:mm:ss tz #nnn
```

Reason for Output:

Result of input command.

Items Requiring Explanation:

INIT:AAP "a"	Body of input message.
results	Completed—The AAP Application Software or specified AAP process has been initialized (stopped and restarted). IP (In Progress)—Request received and initiated. Further output will follow. Errors—See Appendix A for a listing of the error codes.
mh/dy/yr	Date (month/day/year).
hh:mm:ss tz	Time (hour:minute:second) and time zone.
#nnn	Message sequence number (0-999).

Action to be Taken:

None.

INIT:NSPS Message

Message:

```
INIT:NSPS Completed  
Initialization has been initiated.
```

Reason for Output:

This command has completed successfully.

Items Requiring Explanation:

None.

Action to be Taken:

None.

Maintenance Messages

ANNC:MTCASN:ANN Message

Message:

```
MTCASN:[SCS a SCU b ]ANN c AA d ANN e results  
mh/dy/yr hh:mm:ss tz #nnnn
```

Reason for Output:

Result of input command.

Items Requiring Explanation:

MTCASN:[SCS a SCU b]ANN c AA d ANN e	Body of input message.
results	Completed—New announcement has been assigned to the Announcement Mapping Address. IP (In Progress)—Request received and initiated. Further output will follow. Errors—See Appendix A for a listing of the error codes.
mh/dy/yr	Date (month/day/year).
hh:mm:ss tz	Time (hour:minute:second) and time zone.
#nnn	Message sequence number (0-999).

Action to be Taken:

None.

ANNC:MTCCOPY:ANN Message

Message:

```
MTCCOPY:ANNSET a SCS b SCU c ANN d [ANNSET e ]SCS f SCU g [DISK h ]
      [RAM ]ANN i ANNVER "j" results
mh/dy/yr hh:mm:ss tz #nnn
```

Reason for Output:

Result of input command.

Items Requiring Explanation:

MTCCOPY:ANNSET a SCS b SCU c ANN d [ANNSET e]SCS f SCU g [DISK h][RAM]ANN i ANNVER "j"	Body of input message.
results	Completed—The announcement has been copied to the Announcement Set. IP (In Progress)—Request received and initiated. Further output will follow. Errors—See Appendix A for a listing of the error codes.
mh/dy/yr	Date (month/day/year).
hh:mm:ss tz	Time (hour:minute:second) and time zone.
#nnn	Message sequence number (0-999).

Action to be Taken:

None.

ANNC:MTCPOLL:ANNSET Message

Message:

```
MTCPOLL:ANNSET a[ SCS b SCU c][ LANCONT d] results  
mh/dy/yr hh:mm:ss tz #nnn
```

Reason for Output:

Result of input command.

Items Requiring Explanation:

MTCPOLL:ANNSET a [SCS b SCU c] [LANCONT d]	Body of input message.
results	Completed—The announcement set has been polled. Errors—See Appendix A for a listing of the error codes.
mh/dy/yr	Date (month/day/year).
hh:mm:ss tz	Time (hour:minute:second) and time zone.
#nnn	Message sequence number (0-999).

Action to be Taken:

None.

ANNC:MTCRCD:ANN Message

Message:

```
MTCRCD:ANNSET a[ SCS b SCU c][ DISK d][ RAM] ANN e ANNVER "f"
{LEN g|FILE "h"} results
length checksum
mh/dy/yr hh:mm:ss tz #nnn
```

Reason for Output:

Result of input command.

Items Requiring Explanation:

MTCRCD:ANNSET a[SCS b SCU c][DISK d] [RAM] ANN e ANNVER f {LEN g FILE h}	Body of input message.
length	Length of announcement recorded in SCU seconds. The actual announcement length can be calculated by multiplying the "length" by 1.024. The only exception is a zero unit length announcement is actually a half a second long.
checksum	Announcement checksum.
results	Completed—The announcement has been recorded to the Announcement Set. IP (In Progress)—Request received and initiated. Further output will follow. Ready to Record—The AAP system is ready to record the announcement. Push the tape player <i>PLAY</i> button (only central site master). Errors—See Appendix A for a listing of the error codes.
mh/dy/yr	Date (month/day/year).
hh:mm:ss tz	Time (hour:minute:second) and time zone.
#nnn	Message sequence number (0-999).

Action to be Taken:

None.

ANNC:MTCRMV:ANNSET Message

Message:

```
MTCRMV:ANNSET a [ SCS b SCU c]:ANN d results  
mh/dy/yr hh:mm:ss tz #nnn
```

Reason for Output:

Result of input command.

Items Requiring Explanation:

MTCRMV:ANNSET a [SCS b SCU c] ANN d	Body of input message.
results	Completed—The announcement has been removed from the Announcement Set. IP (In Progress)—Request received and initiated. Further output will follow. Errors—See Appendix A for a listing of the error codes.
mh/dy/yr	Date (month/day/year).
hh:mm:ss tz	Time (hour:minute:second) and time zone.
#nnn	Message sequence number (0-999).

Action to be Taken:

None.

ANNC:MTCRPLC:ANNSET Message

Message:

```
MTCRPLC:ANNSET a [SCS b SCU c ]ANN d ANNVER "e" ANN f results  
mh/dy/yr hh:mm:ss tz #nnn
```

Reason for Output:

Result of input command.

Items Requiring Explanation:

MTCRPLC:ANNSET a[SCS b SCU c]ANN d ANNVER "e" ANN f	Body of input message.
results	Completed—The announcements have been replaced in the Announcement Set. IP (In Progress)—Request received and initiated. Further output will follow. Errors—See Appendix A for a listing of the error codes.
mh/dy/yr	Date (month/day/year).
hh:mm:ss tz	Time (hour:minute:second) and time zone.
#nnn	Message sequence number (0-999).

Action to be Taken:

None.

ANNC:MTCVER:MODE1 Message

Message:

```

MTCVER:MODE1 ANNSET a[ SCS b SCU c][ [DETL][ UCL]] ANN {f|f-g} results
TOTAL SCUs ATTEMPTED 2

ANNOUNCEMENT INFORMATION - CORRECT DATA
-----
  ANN  LENSUCU  DISK  RAM  ANNVER      CRC
  1      6      0      0    TEST 1B6E7BEC
65535      8      0      0    TEST 2448EF57

ANNOUNCEMENT INFORMATION - ERROR DATA
-----
  ANN  LENSUCU  SCS  SCU  DISK  RAM  ANNVER      CRC
  2      -      0      2      -      -      -      -
  2     16      0      1      0      0    TEST 46EDE3B8
mh/dy/yr hh:mm:ss tz #nnn

```

Reason for Output:

Result of input command.

Items Requiring Explanation:

MTCVER:MODE1 Body of input message.
ANNSET a[SCS b SCU c]
[[DETL][UCL]] ANN
{f|f-g}

TOTAL SCUs ATTEMPTED The total number of SCUs that were successfully
polled for information.

header ANN—Announcement ID (single value 1-65535).
 LENSUCU—Announcement length (single value
 0-255 in SCU seconds).
 SCS—Service Circuit System number (single value
 0-7).
 SCU—Service Circuit Unit number (single Value 0-
 15).
 DISK—Disk pair (single value 0-3).
 RAM—Announcement in announcement memory
 (0 = NO, 1 = YES).
 ANNVER—Announcement Version (4 characters).

	CRC—Announcement checksum.
results	Completed—The output from the verification of an announcement or range of announcements in the Announcement Set has completed. IP (In Progress)—Request received and initiated. Further output will follow. Errors—See Appendix A for a listing of the error codes.
mh/dy/yr	Date (month/day/year).
hh:mm:ss tz	Time (hour:minute:second) and time zone.
#nnn	Message sequence number (0-999).

Action to be Taken:

None.

ANNC:MTCVER:MODE2 Message

Message:

```
MTCVER:MODE2 ANNSET a[ SCS b SCU c][ FILE "e"] ANN f results  
mh/dy/yr hh:mm:ss tz #nnn
```

Reason for Output:

Result of input command.

Items Requiring Explanation:

MTCVER:MODE2 ANNSET a[SCS b SCU c][FILE "e"] ANN f	Body of input message.
results	Completed—The announcement in the Announcement Set has played to the speaker/handset or was copied to the specified file. IP (In Progress)—Request received and initiated. Further output will follow. Errors—Refer to Appendix A for a listing of the error codes.
mh/dy/yr	Date (month/day/year).
hh:mm:ss tz	Time (hour:minute:second) and time zone.
#nnn	Message sequence number (0-999).

Action to be Taken:

None.

ANNC:MTCVER:MODE3 Message

Message:

```

MTCVER:MODE3 ANNSET a[ SCS b SCU c][ [DETL][ UCL]] ANN {f|f-g} results
TOTAL SCUs ATTEMPTED 2

ANNOUNCEMENT INFORMATION - CORRECT DATA
-----
ANN  LENSUCU  DISK  RAM  ANNVER      CRC
  1      6      0      0    TEST 1B6E7BEC
65535      8      0      0    TEST 2448EF57

ANNOUNCEMENT INFORMATION - ERROR DATA
-----
ANN  LENSUCU  SCS  SCU  DISK  RAM  ANNVER      CRC
  2      -      0      2      -      -      -      -
  2     16      0      1      0      0    TEST 46EDE3B8
mh/dy/yr hh:mm:ss tz #nnn

```

Reason for Output:

Result of input command.

Items Requiring Explanation:

MTCVER:MODE3	Body of input message.
ANNSET a[SCS b SCU c][[DETL][UCL]] ANN {f f-g}	
TOTAL SCUs ATTEMPTED	The total number of SCUs that were successfully polled for information.
header	ANN—Announcement ID (single value 1-65535). LENSUCU—Announcement length (single value 0-255 in SCU seconds). SCS—Service Circuit System number (single value 0-7). SCU—Service Circuit Unit number (single Value 0- 15). DISK—Disk pair (single value 0-3). RAM—Announcement in announcement memory (0 = NO, 1 = YES). ANNVER—Announcement Version (4 characters).

results	<p>CRC—Announcement checksum.</p> <p>Completed—The output from the verification of an announcement or range of announcements in the Announcement Set has completed.</p> <p>IP (In Progress)—Request received and initiated. Further output will follow.</p> <p>PF (Printout Follows)—An output message will follow.</p> <p>CONT (Continues)—This is a continuation of a previous output message.</p> <p>Errors—See Appendix A for a listing of the error codes.</p>
mh/dy/yr	Date (month/day/year).
hh:mm:ss tz	Time (hour:minute:second) and time zone.
#nnn	Message sequence number (0-999).

Action to be Taken:

None.

ANNC:MTCVER:MODE4 Message

Message:

```

MTCVER:MODE4 ANNSET a[ SCS b SCU c][ UCL] ANN {d|d-e} results
TOTAL SCUs ATTEMPTED 3

ANNOUNCEMENT INFORMATION - ERROR DATA
-----
ANN BYTECOUNT SCS SCU ERROR
  1 2048 0 1
  1 2048 0 2 CONTENT
  1 4096 0 3 LENGTH
mh/dy/yr hh:mm:ss tz #nnn

```

Reason for Output:

Result of input command.

Items Requiring Explanation:

MTCVER:MODE4	Body of input message.
ANNSET a[SCS b SCU c][UCL] ANN {d d-e}	
header	ANN—Announcement ID (single value 1-65535). BYTECOUNT—Announcement length (bytes). SCS—Service Circuit System number (single value 0-7). SCU—Service Circuit Unit number (single value 0-15). ERROR—Error type (LENGTH - the length of announcement is not the same; CONTENT - the length of the announcement is the same but the content of the announcements is not the same).
results	Completed—The announcement in the Announcement Set has been verified. IP (In Progress)—Request received and initiated. Further output will follow. Errors—See Appendix A for a listing of the error codes.

mh/dy/yr	Date (month/day/year).
hh:mm:ss tz	Time (hour:minute:second) and time zone.
#nnn	Message sequence number (0-999).

Action to be Taken:

None.

ANNC:MTCVER:MODE6 Message

Message:

```

MTCVER:MODE6[ SCS b c][ [DETL][ UCL]] AA {e|e-f} results
TOTAL SCUs ATTEMPTED 2

ANNOUNCEMENT MAPPING ADDRESS INFORMATION - CORRECT DATA
-----
AA      ANN
1      1001
3      1003

ANNOUNCEMENT MAPPING ADDRESS INFORMATION - ERROR DATA
-----
AA      ANN  SCS  SCU
2      1020   0   2
2      1002   0   1
mh/dy/yr hh:mm:ss tz #nnn

```

Reason for Output:

Result of input command.

Items Requiring Explanation:

MTCVER:MODE6[SCS b SCU c] [[DETL] [UCL]] AA {e e-f}	Body of input message.
TOTAL SCUs ATTEMPTED	The total number of SCUs that were successfully polled for information.
header	AA—Announcement mapping address (single value 1-511). ANN—Announcement ID (single value 1-65535). SCS—Service Circuit System number (single value 0-7). SCU—Service Circuit Unit number (single value 0-15).
results	Completed—The output from the verification of an Announcement Mapping Address or range of Announcement Mapping Addresses has completed. IP (In Progress)—Request received and initiated. Further output will follow.

PF (Printout Follows)—An output message will follow.

CONT (Continues)—This is a continuation of a previous output message.

Errors—See Appendix A for a listing of the error codes.

mh/dy/yr

Date (month/day/year).

hh:mm:ss tz

Time (hour:minute:second) and time zone.

#nnn

Message sequence number (0-999).

Action to be Taken:

None.

Output Messages

OP:AAPBD Message

All of the options listed below will not appear on all machines (for example, audio0). This output is based on the machine's configuration.

Message:

```

REPT Routine OP:AAPBD
COMPONENT STATE CABINET IOP/CONTROLLER DCC CRU
system online system
sp1 online system
sp0 online system
mcb1 online system
mcb0 online system
console online system iop0
pr1l down system iop1 DCC5
pri0 online system iop0 DCC2
audio0 online system iop0
enet0 online system iop0 DCC3
scsi1 online system iop1 DCC3
disk1 online system iop1/scsi1
scsi0 online system iop0 DCC2
tape4 online system iop0/scsi0
disk0 online system iop0/scsi0
pwrD online system
pwrC online system
pwrB online system
pwrA online system
memC online system DCC1
memA online system DCC0
iop1 online system DCC0
iop0 online system DCC1
fanC online system
fanB online system
fanA online system
fanF online system
fanE online system
fanD online system
cpuC online system SDCC2
cpuB online system SDCC1
cpuA online system SDCC0

```

Reason for Output:

This command has completed successfully.

Items Requiring Explanation:

Refer to **cfstatus(1)** in the *System Administrator's Reference Manual*.

Action to be Taken:

None.

Message:

```
OP:AAPBD Completed
```

Reason for Output:

This command has completed successfully.

Items Requiring Explanation:

None.

Action to be Taken:

None.

OP:ANNUPD Message

Message:

```

OP:ANNUPD results
  KEY      ANNSET  SCS  SCU  TYPE  ANNFROM  ANNTO  ANNVER  LENSUCU  RAM  DISK  AA
    0       S      7   15  RPLC   344     346   SR01
50000     S      4    0  ASN    346           WARD           121
87345     N      7   14  RCD   65535          SAM1           0  1  1
99999     N      7   14  RMV   65535
mh/dy/yr hh:mm:ss tz #nnn

```

Reason for Output:

Result of input command.

Items Requiring Explanation:

OP:ANNUPD	Body of input message.
Database header	<p>KEY—Database key (single value 0-99999).</p> <p>ANNSET—Announcement Set (single value A-Z).</p> <p>SCS—Service Circuit System number (single value 0-7).</p> <p>SCU—Service Circuit Unit (single value 0-15).</p> <p>TYPE—Announcement update type (RCD, ASN, RMV, or RPLC) (record, assign, remove, or replace).</p> <p>ANNFROM—From announcement ID range (single value 1-65535).</p> <p>ANNTO—To announcement ID range (single value 1-65535).</p> <p>ANNVER—Announcement Version (4 characters).</p> <p>LENSUCU—Announcement length (single value 0-255 in SCU seconds).</p> <p>RAM—Announcement in announcement memory (0 = NO, 1 = YES).</p> <p>DISK—Disk pair (single value 0-3).</p> <p>AA—Announcement mapping address (single value 1-511).</p>
results	Completed—The output from the ANNUPD database has completed.

PF (Printout Follows)—An output message will follow.

CONT (Continues)—This is a continuation of a previous output message.

Errors. See Appendix A for a listing of the error codes.

mh/dy/yr

Date (month/day/year).

hh:mm:ss tz

Time (hour:minute:second) and time zone.

#nnn

Message sequence number (0-999).

Action to be Taken:

None.

OP:AUDIT Message

Message:

```
OP:AUDIT results
KEY TYPE ANNSET FROM TO UCL MO DAYMO DAYWK HR MIN ENA ACT
0 1 N 1 65535 0 * * * 1 00 1 1
1 1 S 1 65535 0 1 1 0 1 00 0 0
99999 0 N 1 511 1 12 30 * 23 59 1 1
mh/dy/yr hh:mm:ss tz #nnn
```

Reason for Output:

Result of input command.

Items Requiring Explanation:

OP:AUDIT Body of input message.

database header KEY—Database Key (single value 0-99999).

TYPE—Audit type (single value 0-6). 0 = assignment mapping address, 1 = announcement equipped, 2 = statistics, 3 = bit by bit audio data, 4 = database, 5 = file system, and 6 = monitor process alive/dead.

ANNSET—Announcement Set (single value A-Z).

FROM—From Announcement IS range (single value 1-65535) or Announcement Mapping Address (single value 1-511).

TO—To Announcement ID range (single value 1-65535) or Announcement Mapping Address (single value 1-511).

UCL—Unconditional Audit (0 = conditional, 1 = unconditional).

MO—Month (single value 1-12 or * that means every month).

DAYMO—Day of the Month (single value 1-31 or * that means every day of the month).

DAYWK—Day of the Week (single value 0-6 with 0 = Sunday or * that means every day of the week).

HR—Hour (single value 0-23 or * that means every hour).

MIN—Minute (single value 0-59 or * that means every

minute).

ENA—Enable audio (0 = NO, 1 = YES). Use message *INH:AUDIT* or *ALW:AUDIT* to inhibit (disable) or allow (enable) respectively the running of a specified audit.

ACT—Audit active (0 = NO, 1 = YES).

results Completed—The output from the Audit database has completed.

PF (Printout Follows)—An output message will follow.

CONT (Continues)—This is a continuation of a previous output message.

Errors—See Appendix A for a listing of the error codes.

mh/dy/yr Date (month/day/year).

hh:mm:ss tz Time (hour:minute:second) and time zone.

#nnn Message sequence number (0-999).

Action to be Taken:

None.

OP:BCASTER Message

Message:

```

OP:BCASTER  results

Example of the autonomous output message {this line not displayed}.

A04  Central Site Bcaster Process Status  results

APID   UPID   CSID   FSID   ISDN_BN   ACT
  1    11907   1     3     1         1
  2    11908   1     4     2         1
  3    11909   1     5     0         1
  4    11910   1     6     1         1
  5    11911   1     7     2         1
  6    11912   1     8     0         1
  7    11913   1     9     1         1
  8    11914   1    10     2         1
  9    11915   1    11     0         1
 10    11916   1    12     1         1
 11    11917   1     0     0         0
A04 Central Site Bcaster Process Status  Completed

mh/dy/yr hh:mm:ss  tz  #nn

```

Reason for Output:

Result of input command.

Items Requiring Explanation:

OP:BCASTER	Body of input message.
Bcaster Process Status header	APID—AAP process ID (single value 0-99999). UPID—UNIX System Process ID (single value 1-30000). CSID—Central site office ID (single value 1-32000). FSID—Field site office ID (single value 1-32000). ISDN_BN—ISDN Board number (single value 0-4). ACT—Bcaster active (0 = not in use, 1 = in use).
results	Completed—The output has completed. PF (Printout Follows)—An output message will follow. CONT (Continues)—This is a continuation of a previous output message.

	Errors—See Appendix A for a listing of the error codes.
mh/dy/yr	Date (month/day/year).
hh:mm:ss tz	Time (hour:minute:second) and time zone.
#nnn	Message sequence number (0-999).
#nnnn	Message sequence number (1000-1005).

Action to be Taken:

None.

OP:CAUCS Message

Message:

```
OP:CAUCS  results

  KEY  TYPE  PTAG  ITAG  OFTAG
1010   1     1     0     A
99999  12     99     1     X
mh/dy/yr  hh:mm:ss  tz  #nnn
```

Reason for Output:

Result of input command.

Items Requiring Explanation:

OP:CAUCS	Body of input message.
Database header	KEY—Database key (single value 1010-99999). TYPE—Request type (single value 1-9, 11, 12; 1 = disconnect request, 2 = record request, 3 = delete request, 4 = replace request, 5 = assign request, 6 = verify mode3 request, 7 = verify mode4 request, 8 = verify mode5 request, 9 = verify mode6 request, 11 = upload request, and 12 = central site record request). PTAG—Priority tag (single value 1-99). ITAG—In-progress tag (0 = NO, 1 = YES). OFTAG—Office tag (single value A C E L X; A = all sites, C = central site only. E = all sites except central site, L = all sites listed, X = all sites except those listed).
results	Completed—The output from the CAUCS database has completed. PF (Printout Follows)—An output message will follow. CONT (Continues)—This is a continuation of a previous output message. Errors—See Appendix A for a listing of the error codes.
mh/dy/yr	Date (month/day/year).

hh:mm:ss tz Time (hour:minute:second) and time zone.

#nnn Message sequence number (0-999).

Action to be Taken:

None.

OP:CLK Message

Message:

```
OP:CLK Completed  
Weekday Month Day Time Tz Year
```

Reason for Output:

This command has completed successfully.

Items Requiring Explanation:

Weekday	Day of week
Month	Month of year
Day	Day of Month
Time	Time (hour:minutes:seconds)
Tz	Time zone.
Year	Year (for example, 1995).

Action to be Taken:

None.

OP:CDSU Message

Message:

```
AAP_ATTTC 4AAP<1>4.10  AUCKNZ0123T 04/06/95 07:25:02 CDT
M  OP:CDSU Completed
```

CDSU

KEY	SCS	SCU	CDSU	GEN	PERM_TYPE	PERM_NUM	APPLY_TYPE	APPLY_NUM
0	0	0	0	CDSU0	-	-1	-	-1
1	0	0	1	CDSU1	-	-1	-	-1
2	0	0	2	CDSU1	-	-1	-	-1

Reason for Output:

Response to OP:CDSU.

Items Requiring Explanation:

(See the "UPD:CDSU Message" section in Chapter 7, "MML Input Commands," for definition of fields).

Action to be Taken:

None.

Message:

```

AAP_ATTIC 4AAP<1>4.10  AUCKNZ0123T 04/06/95 07:34:42 CDT
M  OP:CDSU Completed

CDSU
-----
|KEY                |0
|SCS                |0
|SCU                |0
|CDSU               |0
|GEN                |CDSU0
|PERM_TYPE          |-
|PERM_NUM           |-1
|PRE_PERM_TYPE      |-
|PRE_PERM_NUM       |-1
|APPLY_TYPE         |-
|APPLY_NUM          |-1
|LAST_PERM_BWM_N    |-1
|LAST_PERM_CFT_N    |-1
|PRE_PERM_BWM_NU    |-1
|PRE_PERM_CFT_NU    |-1
-----

```

Reason for Output:

Response to OP:CDSU:FORM=LONG.

Items Requiring Explanation:

(See the "UPD:CDSU Message" section in Chapter 7, "MML Input Commands," for definition of fields).

Action to be Taken:

None.

Message:

```

AAP_ATTIC 4AAP<1>4.10  AUCKNZ0123T 04/06/95 07:42:01 CDT
M  OP:CDSU Completed

CDSU
-----
|KEY|SCS|SCU|CDSU|GEN|PERM_TYPE|PERM_NUM|APPLY_TYPE|APPLY_NUM|
-----
|0|0|0|0|CDSU0|-|-1|-|-1|
|1|0|0|0|CDSU1|-|-1|-|-1|
|2|0|0|2|CDSU1|-|-1|-|-1|
-----
Audit Failures:
Duplicate CDSU entries, KEY values 0, 1

```

Reason for Output:

Response to OP:CDSU when an audit failure is detected in the database.

Items Requiring Explanation:

(See the "UPD:CDSU Message" section in Chapter 7, "MML Input Commands," for definition of fields).

Action to be Taken:

Use the display and the audit information to ascertain the problem with the database entry. Fix the entry and retry the **OP:CDSU** command.

Message:

```
FORM must be LONG or SHORT
```

Reason for Output:

Invalid FORM= parameter entered.

Action to be Taken:

Use **FORM=LONG** or **FORM=SHORT**.

Message:

```
Relation CDSU output is too long for display, XX characters is  
greater than 256 maximum allowed per line
```

Reason for Output:

Corruption in CDSU database.

Items Requiring Explanation:

XX - Number of characters found on output line.

Action to be Taken:

From the *UNIX* system, remove the CDSU database using the following command: **rm /usr/aap/database/cdsu**
Then use **UPD:CDSU** commands to add back the entries that were there.

Message:

```
Database Corruption detected in /usr/aap/database/cdsu
```

Reason for Output:

Corruption in CDSU database.

Action to be Taken:

From the UNIX system, remove the CDSU database by using the command:
rm /usr/aap/database/cdsu and then use **UPD:CDSU** commands to add back
the entries that were there.

Message:

```
Record not found.
```

Reason for Output:

Either database is empty or database record specified using the "a1=v1"
parameters does not exist.

Action to be Taken:

None.

Message:

Cannot Access Database.

Reason for Output:

Database file was removed.

Action to be Taken:

Use **UPD:CDSU** to add CDSU entries, then retry the **OP:CDSU** command.

Message:

Execution stopped due to internal problems.

Reason for Output:

Internal problems caused the command to fail.

Action to be Taken:

Execute **INIT:NSPS** and retry the command.

Message:

```
Value X out of range for Attribute Y in tuple with KEY Z
```

Reason for Output:

Audit found out of range attribute in CDSU database.

Items Requiring Explanation:

X	Value of attribute that was out of range.
Y	Attribute with out-of-range value.
Z	Key of entry with out-of-range value.

Action to be Taken:

Use **UPD:CDSU:UPD=CHG:"KEY=Z,Y=x"** where *x* is the correct in-range value and *Y* and *Z* are from the above message.

Message:

```
Invalid CDSU Tuple, KEY = X
```

Reason for Output:

CDSU entry with KEY value X is badly formed.

Items Requiring Explanation:

X - Key value for bad entry.

Action to be Taken:

Use **UPD:CDSU:UPD=DLT:"KEY=X"** to delete the entry, where X is the KEY value indicated above.

Message:

```
Duplicate CDSU entries, KEY values X, Y
```

Reason for Output:

There are two (or more) entries in the CDSU database that resolve to the same physical CDSU. This means that these two entries have the same SCS, SCU, and CDSU values.

Items Requiring Explanation:

X and Y - The KEY values for the two entries in the database that are duplicates.

Action to be Taken:

Use **UPD:CDSU:UPD=DLT:"KEY=z"** to delete one of the entries, where z is X or Y from the above message.

ANNC:OP:DISKVER Message

Message:

```

OP:DISKVER ANNSET a[ SCS b SCU c] results

      HARDWARE INFORMATION - CORRECT DATA
      -----
DISK PAIR  FREE RAM  USED RAM  FREE DISK  USED DISK
    0           1024         0     93244      84

      SOFTWARE INFORMATION - CORRECT DATA
      -----
      SW VERSION           SW FILE
OA94/04/07 17:05:22U<12>3.000      3
mh/dy/yr hh:mm:ss tz #nnn
  
```

Message:

```

OP:DISKVER ANNSET a[ SCS b SCU c] results

      HARDWARE INFORMATION - ERROR DATA
      -----
SCS SCU  DISK PAIR  BUS DATA  FREE RAM  USED RAM  FREE DISK  USED DISK
  0  1      0        0         1024      0         93244      84
  0  1      0        0         1024      0         93244      84
  0  2      0        0         1024      0         478864     0
  0  2      0        1         1024      0         478864     0

      SOFTWARE INFORMATION - CORRECT DATA
      -----
      SW VERSION           SW FILE
OA94/04/07 17:05:22U<12>3.000      3
mh/dy/yr hh:mm:ss tz #nnn
  
```

Message:

```

OP:DISKVER ANNSET a[ SCS b SCU c] results

      HARDWARE INFORMATION - CORRECT DATA
-----
DISK PAIR  FREE RAM  USED RAM  FREE DISK  USED DISK
      0           1024         0      93244      84

      SOFTWARE INFORMATION - ERROR DATA
-----
SCS SCU          SW VERSION          SW FILE  BUS
  0  1  OA94/04/07 17:05:22U<12>3.000    3      0
  0  2  OA94/02/17 22:49:20U<12>1.003    3      0
mh/dy/yr hh:mm:ss tz #nnn

```

Message:

```

OP:DISKVER ANNSET a[ SCS b SCU c] results

      HARDWARE INFORMATION - ERROR DATA
-----
SCS  SCU  DISK PAIR  BUS DATA  FREE RAM  USED RAM  FREE DISK  USED DISK
  0   1    0         0         1024      0      93244      84
  0   1    0         1         1024      0      93244      84
  0   2    0         0         1024      0     478864      0
  0   1    0         1         1024      0     478864      0

      SOFTWARE INFORMATION - ERROR DATA
-----
SCS  SCU          SW VERSION          SW FILE  BUS
  0   1  OA94/04/07 17:05:22U<12>3.000    3      0
  0   2  OA94/02/17 22:49:20U<12>1.003    3      0
mh/dy/yr hh:mm:ss tz #nnn

```

Reason for Output:

Result of input command.

Items Requiring Explanation:

OP:DISKVER ANNSET Body of input message.
a[SCS b SCU c][DISK d]

HARDWARE header SCS—SCS number.
 SCU—SCU number.
 DISK PAIR—Disk pair (x).

	FREE RAM—Available SCU random access memory (number of SCU seconds available).
	USED RAM—Used SCU random access memory (number of SCU seconds used).
	FREE DISK—Available SCU disk space (number of SCU seconds available).
	USED DISK—Used SCU disk space (number of SCU seconds used).
	BUS DATA—SCU bus data.
	SCU—SCU number.
SOFTWARE header	SW VERSION—Software version.
	SW FILE—Software file.
	BUS—SCU bus.
	SCS—SCS number.
	SCU—SCU number.
results	Completed—The output of the disk version has completed.
	PF (Printout Follows)—An output message will follow.
	CONT (Continues)—This is a continuation of a previous output message.
	Errors—See Appendix A for a listing of the error codes.
mh/dy/yr	Date (month/day/year).
hh:mm:ss tz	Time (hour:minute:second) and time zone.
#nnn	Message sequence number (0-999).

Action to be Taken:

None.

OP:FSITE Message

Message:

```
OP:FSITE results
KEY  OFID  PRIPN                      SECPN                      CLLI
   0    1  18003215678                18003215679                1234567890
99999 32000 1234567890123456789012345 1234567890123456789012345 ABCDEFGHIJ
mh/dy/yr hh:mm:ss tz #nnn
```

Reason for Output:

Result of input command.

Items Requiring Explanation:

OP:FSITE	Body of input message.
Database header	KEY—Database key (single value 0-99999). OFID—Office ID (single value 1-32000). PRIPN—Primary phone number (maximum 25 numeric digits). SECPN—Secondary phone number (maximum 25 numeric digits). CLLI—Common Language Location Identification number (maximum 10 upper case alphanumeric characters).
results	Completed—The output from the FSITE database has completed. PF (Printout Follows)—An output message will follow. CONT (Continues)—This is a continuation of a previous output message. Errors—See Appendix A for a listing of the error codes.
mh/dy/yr	Date (month/day/year).
hh:mm:ss tz	Time (hour:minute:second) and time zone.
#nnn	Message sequence number (0-999).

Action to be Taken:

None.

OP:ISDN Message

Message:

```

OP:ISDN results

Explanation of the autonomous output message {this line not displayed}.

A02 ISDN board #0 located in machine #1 is operational Completed
mh/dy/yr hh:mm:ss tz #nnn

A02 ISDN board #4 located in machine #999 is operational Completed
mh/dy/yr hh:mm:ss tz #nnn

A02 ISDN board #2 located in machine #1 is not operational Completed
mh/dy/yr hh:mm:ss tz #nnn

A05 ISDN Board Status results

      CSID      BN      ENA  CH  COMPLETIONS  FAILURES
1         0        1   23         2699         17
999       4        1   23         2708          8
1         2        0   0         2707          7
mh/dy/yr hh:mm:ss tz #nnnn

```

Reason for Output:

Result of input command.

Items Requiring Explanation:

OP:ISDN	Body of input message.
#nnnn	Message sequence number (1000-1005).
ISDN Board Status	CSID—Central site office ID (single value 0-99999).
	BN—Board number (single value 0-4).
	ENA—Board enabled (0 = NO, 1 = YES).
	CH—Number of active channels (single value 0-23).
	COMPLETIONS—Total number of connections completed on this board (0-4292967295).
	FAILURES—Total number of connections failed on this board (0-4294967295).

results	Completed—The output from the ISDN database has completed. PF (Printout Follows)—An output message will follow. CONT (Continues)—This is a continuation of a previous output message. Errors—See Appendix A for a listing of the error codes.
mh/dy/yr	Date (month/day/year).
hh:mm:ss tz	Time (hour:minute:second) and time zone.
#nnn	Message sequence number (0-999).

Action to be Taken:

None.

OP:LOCOP Message

Message:

```

OP:LOCOP results
ANNSE SCS SCU TYPE ANNFR ANNTO ANNVE LENSUCU RAM DISK AA TIME
S 7 15 RPLC 344 346 SR01 08/11/92 14:22:31
S 4 0 ANS 346 WARD 121 08/11/92 14:22:33
N 7 14 RCD 65535 SAM1 0 1 1 08/11/92 14:22:34
N 7 14 RMV 65535 08/11/92 14:22:35
mh/dy/yr hh:mm:ss tz #nnn

```

Reason for Output:

Result of input command.

Items Requiring Explanation:

OP:LOCOP	Body of input message.
Database header	<p>ANNSE—Announcement set (single value A-Z).</p> <p>SCS—Service Circuit System number (single value 0-7).</p> <p>SCU—Service Circuit Unit number (single value 0-15).</p> <p>TYPE—Local operations type (RCD, ASN, RMV, or RPLC) (record, assign, remove, or replace).</p> <p>ANNFR—From Announcement ID range (single value 1-65535).</p> <p>ANNTO—To Announcement ID range (single value 1-65535).</p> <p>ANNVE—Announcement version (4 characters).</p> <p>LENSUCU—Announcement length (single value 0-255 in SCU seconds).</p> <p>RAM—Announcement in announcement memory (0 = NO, 1 = YES).</p> <p>DISK—Disk pair (single value 0-3).</p> <p>AA—Announcement mapping address (single value 1-511).</p> <p>TIME—Time and date (mh/dy/yr hh:mm:ss).</p>
results	Completed—The output from the LOCOP database has completed.

PF (Printout Follows)—An output message will follow.

CONT (Continues)—This is a continuation of a previous output message.

Errors—See Appendix A for a listing of the error codes.

mh/dy/yr

Date (month/day/year).

hh:mm:ss tz

Time (hour:minute:second) and time zone.

#nnn

Message sequence number (0-999).

Action to be Taken:

None.

OP:LOG Message

Message:

```

OP:LOG results
11/06/93 02:41:32 CST poll_adrsv|com/poll_adrs v.c|2478|14|
corruption in database ANNUPD detected
11/06/93 02:41:37 CST PM|appl .C|361|55|Unrecognizable action
[action=%d]
11/06/93 02:41:37 CST poll_adrsv|poll_adrs v.c|2478|14|corruption
in database ANNUPD detected
11/06/93 02:41:46 CST Lan_monitor|lan_cmd .c|911|45|software_
restart received for [pgid=%s] , i=0x2bc4]
11/06/93 02:41:46 CST poll_adrsv|poll_adrs v.c|336|19|trace
request received from trace level [0x%0x]
11/06/93 02:41:51 CST PM|pid_ queue.C|401|51|unexpected deled
to cause death of a process; giving up
[pid=%d]
11/06/93 02:41:54 CST PM|proc _grp.C|285|53|software_restart
request completed [result=%d] on [pgid=%s]

mh/dy/yr hh:mm:ss tz #nnn

```

Reason for Output:

Result of input command.

Items Requiring Explanation:

OP:LOG[[DATE a[TIME b]][LIMIT c] Body of output message.

Output Data Date, time, name of process | source path | source line number | source error number | error message. The "|" is the field delimiter in the output message.

results Completed—The output from the system log has completed.

PF (Printout Follows)—An output message will follow.

CONT (Continues)—This is a continuation of a previous output message.

Errors—See Appendix A for a listing of the error codes.

mh/dy/yr	Date (month/day/year).
hh:mm:ss tz	Time (hour:minute:second) and time zone.
#nnn	Message sequence number (0-999).

Action to be Taken:

None.

⇒ NOTE:

For additional details on the individual Source Error Numbers, refer to 201-525-016AC, **4ESS**[™] *Switching System, AAP Maintenance, Diagnostics, and Trouble Clearing.*

OP:MACHINE Message

Message:

```
OP:MACHINE results
```

```

KEY  OFID  CLLI      TYPE  LVL  CTYPE  CSPN
  0    1  12345ABXYZ  M    11    0    18001234567
mh/dy/yr  hh:mm:ss  tz  #nnn

```

OP:MACHINE	Body of input message.
Database header	<p>KEY—Database Key (single value 0-99999).</p> <p>OFID—Office ID (single value 1-32000).</p> <p>CLLI—CLLI code (maximum 10 upper case alphanumeric characters).</p> <p>TYPE—Machine type (single value M S F; M = master, S = slave, F = field).</p> <p>LVL—Audio level (single value 0-24; 0 = lowest level, 24 = highest level; functional only on central site).</p> <p>CTYPE—Call type. (Software Defined Data Network) (0 = NO, 1 = YES).</p> <p>CSPN—Central site phone number (maximum 25 numeric digits).</p>
results	<p>Completed—The output from the MACHINE database has completed.</p> <p>PF (Printout Follows)—An output message will follow.</p> <p>CONT (Continues)—This is a continuation of a previous output message.</p> <p>Errors—See Appendix A for a listing of the error codes.</p>
mh/dy/yr	Date (month/day/year).
hh:mm:ss tz	Time (hour:minute:second) and time zone.
#nnn	Message sequence number (0-999).

Action to be Taken:

None.

OP:MEAS Message

Field Site Example

Message:

```
OP:MEAS[ CLR] results

Update Activity over 11520 Minutes
-----
TOTAL UPDATES QUEUED:           0
TOTAL UPDATES REQUESTED:       157
TOTAL UPDATES ATTEMPTED:       157
TOTAL UPDATES COMPLETED:     157
TOTAL SCUs DISABLED:           0

mh/dy/yr hh:mm:ss tz #nnn
```

Central Site Example

Message:

```
OP:MEAS[ CLR] results

UPDATE ACTIVITY OVER 57623 MINUTES
-----
TOTAL UPDATES QUEUED:           0
TOTAL UPDATES REQUESTED:     31411
TOTAL UPDATES ATTEMPTED:     31411
TOTAL UPDATES COMPLETED:   31411
TOTAL SCUs DISABLED:         0

mh/dy/yr hh:mm:ss tz #nnn
```

Message:

OP:MEAS[CLR] results

CENTRAL SITE TO FIELD SITE CONNECTION ATTEMPTS OVER 33 MINUTES

FSID	TOTAL	1ST CMLPTN	PCT	2ND CMLPTN	PCT	2ND FAILS	PCT
3	4	3	75%	0	0%	1	25%
4	4	3	75%	0	0%	1	25%
5	4	3	75%	0	0%	1	25%
6	4	3	75%	0	0%	1	25%
7	4	3	75%	0	0%	1	25%
8	4	3	75%	0	0%	1	25%
9	4	3	75%	0	0%	1	25%
10	3	2	66%	0	0%	1	33%
11	3	2	66%	0	0%	1	33%
12	3	2	66%	0	0%	1	33%
13	3	2	66%	0	0%	1	33%
14	3	2	66%	0	0%	1	33%
15	3	2	66%	0	0%	1	33%
16	3	2	66%	0	0%	1	33%
17	2	1	50%	0	0%	1	50%
18	2	1	50%	0	0%	1	50%
19	2	1	50%	0	0%	1	50%
20	2	1	50%	0	0%	1	50%
21	2	1	50%	0	0%	1	50%
22	2	1	50%	0	0%	1	50%
23	2	0	0%	1	50%	1	50%
24	2	0	0%	1	50%	1	50%

mh/dy/yr hh:mm:ss tz #nnn

Message:

CENTRAL SITE ISDN BOARD CONNECTION ATTEMPTS OVER 33 MINUTES

CSID	BOARD	TOTAL	COMPLETIONS	PCT	FAILURES	PCT
100	0	89	43	48%	46	51%
100	1	0	0	0%	0	0%
100	2	0	0	0%	0	0%

mh/dy/yr hh:mm:ss tz #nnn

Reason for Output:

Result of input command.

Items Requiring Explanation:

OP:MEAS Body of input message.

Update Activity header

UPDATE ACTIVITY OVER 0 MINUTES—Number of minutes the data has been collected.

TOTAL UPDATES QUEUED—Total number of updates remaining (0-4294967295).

TOTAL UPDATES REQUESTED—Total number of updates requested (0-4294967295).

TOTAL UPDATES ATTEMPTED—Total number of updates attempted (0-4294967295).

TOTAL UPDATES COMPLETED—Total number of updates completed (0-4294967295).

TOTAL SCUs DISABLED—Total number of SCUs disabled (0-127).

Central Site to Field Site header

FSID—Field site office ID (single value 1-32000).

TOTAL—Total number of connections attempted to a field site (0-4294967295).

1ST CMPLTN PCT—Total number connections completed on the first attempt to a field site (0-4294967295) (0-100%).

2ND CMPLTN PCT—Total number of connections completed on the second attempt to a field site (0-4294967295) (0-100%).

2ND FAILS PCT—Total number of connections failed after two attempts to a field site (0-4294967295) (0-100%).

Central Site ISDN Board header

CSID—Central site office ID (single value 1-32000).

BOARD—ISDN board number (0-4).

TOTAL—Total number of connections attempted on this board (0-4292967295).

COMPLETIONS PCT—Total number of connections completed on this board (0-4294967295) (0-100%).

FAILURES PCT—Total number of connections failed on this board (0-4294967295) (0-100%).

results

Completed—The output from the Measurements Report has completed.

IP (In Progress)—Request received and initiated. Further output will follow.

PF (Printout Follows)—An output message will follow.

CONT (Continues)—This is a continuation of a previous output message.

Errors—See Appendix A for a listing of the error codes.

mh/dy/yr	Date (month/day/year).
hh:mm:ss tz	Time (hour:minute:second) and time zone.
#nnn	Message sequence number (0-999).

Action to be Taken:

None.

OP:OOS Message

Message:

```
M REPT Routine OP:OOS
Component State Cabinet IOP/Controller DCC CRU
-----
audio0 down system iop0
```

Reason for Output:

This command has completed successfully.

Items Requiring Explanation:

Refer to **cfstatus(1)** in the *System Administrator's Reference Manual*.

Action to be Taken:

None.

Message:

```
OP:OOS Completed
```

Reason for Output:

This command has completed successfully.

Items Requiring Explanation:

None.

Action to be Taken:

None.

OP:SCUEQP Message

Message:

```

OP:SCUEQP results
  KEY  ANNSET  SCS  SCU  LANADR  ENA  ACT
    0   S      0   0   08006A190A  0   0
99999  N      7  15   08006A190A  1   1
mh/dy/yr  hh:mm:ss  #nnn

```

Reason for Output:

Result of input command.

Items Requiring Explanation:

OP:SCUEQP	Body of input message.
Database Header	<p>KEY—Database Key (single value 0-99999).</p> <p>ANNSET—Announcement Set (single value A-Z).</p> <p>SCS—Service Circuit System (single value 0-7).</p> <p>SCU—Service Circuit Unit (single value 0-15).</p> <p>LANADR—Local Area Network Address (10 hex digits; 0-9, A-F).</p> <p>ENA—Enable SCU (0 = NO, 1 = YES). Use message <i>INH:SCUEQP</i> to inhibit (disable) or <i>ALW:SCUEQP</i> to allow (enable) the specified SCU.</p> <p>ACT—SCU active (0 = NO, 1 = YES).</p>
results	<p>Completed—The output from the SCUEQP database has completed.</p> <p>PF (Printout Follows)—An output message will follow.</p> <p>CONT (Continues)—This is a continuation of a previous output message.</p> <p>Errors—See Appendix A for a listing of the error codes.</p>
mh/dy/yr	Date (month/day/year).
hh:mm:ss tz	Time (hour:minute:second) and time zone.

#nnn Message sequence number (0-999).

Action to be Taken:

None.

**OP:SD:REL=AAP_SUDB,FORM=LONG;
Message**

Message:

⇒ NOTE:

The following screen is a printout of the software update database for the Chicago 11 AAP. This screen is intended only to be an example.

```

<
  AAP_ATTIC 4AAP<1>4.7  CHCGILCL4AD  03/14/95  11:54:14  CST
M  OP:SD Completed

AAP_SUDB
-----
AI                               |0
CUR_PERM_TYPE                    |CFT
CUR_PERM_NUM                     |940219
PRE_PERM_TYPE                    |CFT
PRE_PERM_NUM                     |940187
CUR_APPLY_TYPE                   |-
CUR_APPLY_NUM                    |-1
LAST_PERM_BWM_NU                 |-1
LAST_PERM_CFT_NU                 |940219
PRE_PERM_BWM_NU                  |-1
PRE_PERM_CFT_NU                  |940187
SCANS_PRIMARY_NU                 |2495508
SCANS_NORMAL_NU                  |2495509
SCANS_MACH_NAME                  |SCANS
-----
<

```

Reason for Output:

This command has completed successfully.

Items Requiring Explanation:

AI Application index attribute - always the first field of all the relations.

CUR_PERM_TYPE	Type of the current software update that is currently permed.
CUR_PERM_NUM	Number of the current software update that is currently permed.
PRE_PERM_TYPE	Type of the most previously permed software update.
PRE_PERM_NUM	Number of the most previously permed software update.
CUR_APPLY_TYPE	Type of the current software update that is currently applied.
CUR_APPLY_NUM	Number of the current software update that is currently applied.
LAST_PERM_BWM_NU	Number of the last permed BWM software update.
LAST_PERM_CFT_NU	Number of the last permed craft (CFT) software update.
PRE_PERM_BWM_NU	Number of the most previously permed BWM software update.
PRE_PERM_CFT_NU	Number of the most previously permed CFT software update.
SCANS_PRIMARY_NU	The primary number for the SCANS machine.
SCANS_NORMAL_NU	The normal number for the SCANS machine.
SCANS_MACH_NAME	Name of the SCANS machine.

Action to be Taken:

None.

Message:

```
OP:SD Completed
```

Reason for Output:

This command has completed successfully.

Items Requiring Explanation:

None.

Action to be Taken:

None.

Message:

```
OP:SD Stopped  
Relation name rel_name does not exist
```

Reason for Output:

An invalid relation name or attribute was specified.

Items Requiring Explanation:

None.

Action to be Taken:

Reenter the command with a valid relation name and/or attribute.

Message:

```
OP:SD Stopped  
Bad attribute or value, attrn=attrv is invalid
```

Reason for Output:

An invalid attribute or value was specified.

Items Requiring Explanation:

None.

Action to be Taken:

Reenter the command with a valid attribute and/or value.

OP:SETEQP Message

Message:

```
OP:SETEQP results
KEY  ANNSET  SETADR  SETNUM
  0    N    09005A190A    0
  1    S    09005A190A    1
mh/dy/yr hh:mm:ss tz #nnn
```

Reason for Output:

Result of input command.

Items Requiring Explanation:

OP:SETEQP	Body of input message.
Database header	KEY—Database Key (single value 0-99999). ANNSET—Announcement Set (single value A-Z). SETADR—Announcement Set Multicast Address (10 hex digits; 0-9, A-F). SETNUM—Announcement Set Number (single value 0-254).
results	Completed—The output from the SETEQP database has completed. PF (Printout Follows)—An output message will follow. CONT (Continues)—This is a continuation of a previous output message. Errors—See Appendix A for a listing of the error codes.
mh/dy/yr	Date (month/day/year).
hh:mm:ss tz	Time (hour:minute:second) and time zone.
#nnn	Message sequence number (0-999).

Action to be Taken:

None.

OP:SLAVE Message

Message:

```
OP:SLAVE results
KEY      CSID  ISOID
1        2    00020A0B837C0101
mh/dy/yr hh:mm:ss tz #nnn
```

Reason for Output:

Result of input command.

Items Requiring Explanation:

OP:SLAVE	Body of input message.
Database header	KEY—Database Key (single value 0-99999). CSID—Central Site Office ID (single value 1-32000). ISOID—International Standards Organization ID (16 hex digits; 0-9, A-F).
results	Completed—The output from the SLAVE database has completed. PF (Printout Follows)—An output message will follow. CONT (Continues)—This is a continuation of a previous output message. Errors—See Appendix A for a listing of the error codes.
mh/dy/yr	Date (month/day/year).
hh:mm:ss tz	Time (hour:minute:second) and time zone.
#nnn	Message sequence number (0-999).

Action to be Taken:

None.

OP:UPD Message

Message:

```

OP:UPD:DAYWK a[ TIME b][ LIMIT c] results

05/24/93 08:27:04 CST UIstart2|ekelby|MTCR?!|0
05/24/93 08:27:04 CST UIend2|ekelby|MTCR?!|0
05/24/93 08:27:50 CST UIstart3|ekelby|MTCRCD:ANNSET N ANN 19 ANNVER "ABCD"
FILE "anncl" |0
05/24/93 08:27:52 CST LAN|ekelby|rcd:annset N scs 0 scu 3 disk 0 ann 19 an
nver "ABCD" sculen 8|0
05/24/93 08:27:52 CST LAN|ekelby|rcd:annset N scs 0 scu 2 disk 0 ann 19 an
nver "ABCD" sculen 8|0
05/24/93 08:27:52 CST LAN|ekelby|rcd:annset N scs 0 scu 0 disk 0 ann 19 an
nver "ABCD" sculen 8|0
05/24/93 08:27:52 CST UIend3|ekelby|MTCRCD:ANNSET N ANN 19 ANNVER "ABCD" F
ILE "anncl" |0
05/24/93 08:28:26 CST UIstart4|ekelby|OP:LOG LIMIT 100 |0
05/24/93 08:28:48 CST UIend4|ekelby|OP:LOG LIMIT 100 |0

mh/dy/yr hh:mm:ss tz #nnn

```

Reason for Output:

Result of input command.

Items Requiring Explanation:

OP:UPD:DAYWK Body of input message.
a[TIME b] [LIMIT c]

Output Data Date, time, name or process | login id | update message | error number. The "|" is the field delimiter in the output message. The UI process name contains the input message status (start, end, or stop) and the message id. Start is when the input message was entered. End is when the input command was finished. Stop is when the input message was stopped before it could finish.

results Completed—The output from the Update File has completed.

PF (Printout Follows)—An output message will follow.

CONT (Continues)—This is a continuation of a previous output message.

Errors—See Appendix A for a listing of the error codes.

mh/dy/yr	Date (month/day/year).
hh:mm:ss tz	Time (hour:minute:second) and time zone.
#nnn	Message sequence number (0-999).

Action to be Taken:

None.

Play a File (PFILE) Message

ANNC:PFILE Message

Message:

```
PFILE:FILE "e" results  
mh/dy/yr hh:mm:ss tz #nnn
```

Reason for Output:

Result of input command.

Items Requiring Explanation:

PFILE:FILE "e"	Body of output message.
results	Completed—The specified file has played to the speaker/handset. IP (In Progress)—Request received and initiated. Further output will follow. Errors—See Appendix A for a listing of the error codes.
mh/dy/yr	Date (month/day/year).
hh:mm:ss tz	Time (hour:minute:second) and time zone.
#nnn	Message sequence number (0-999).

Action to be Taken:

None.

Poll Message

ANNC:POLL:ANNSET Message

Message:

```
POLL:ANNSET a[ SCS b SCU c][,LANCONT d] results  
mh/dy/yr hh:mm:ss tz #nnn
```

Reason for Output:

Result of input command.

Items Requiring Explanation:

POLL:ANNSET a[Body of input message.
SCS b SCU c]
[,LANCONT d]

results	Completed—The announcement set has been polled. Errors—See Appendix A for a listing of the error codes.
mh/dy/yr	Date (month/day/year).
hh:mm:ss tz	Time (hour:minute:second) and time zone.
#nnn	Message sequence number (0-999).

Action to be Taken:

None.

Record a File (RFILE) Message

ANNC:RFILE Message

Message:

```
RFILE:FILE "h" LEN g results  
mh/dy/hr hh:mm:ss tz #nnn
```

Reason for Output:

Result of input command.

Items Requiring Explanation:

RFILE:FILE "h"	Body of output message.
LEN g	
results	Completed—The announcement has been recorded to the specified file. IP (In Progress)—Request received and initiated. Further output will follow. Errors—See Appendix A for a listing of the error codes.
mh/dy/yr	Date (month/day/year).
hh:mm:ss tz	Time (hour:minute:second) and time zone.
#nnn	Message sequence number (0-999).

Action to be Taken:

None.

Recent Change (RC) Messages

RC:AUDIT Message

Message:

```
RC:AUDIT,ADD,KEY a:TYPE b,ANNSET c,FROM d,TO e,UCL f,MO g,DAYMO h,
DAYWK i,HR j,MIN k results
KEY   TYPE ANNSET  FROM    TO    UCL MO DAYMO DAYWK HR MIN ENA ACT
  1    1    S      1 65535  0  1    1  0    1 00 0  0
mh/dy/yr  hh:mm:ss tz  #nnn
```

Message:

```
RC:AUDIT CHG KEY a {KEY a|TYPE b|ANNSET c|FROM d|TO e|UCL f|MO g|
DAYMO h|DAYWK i|HR j|MIN k} results
KEY   TYPE ANNSET  FROM    TO    UCL MO DAYMO DAYWK HR MIN ENA ACT
  1    1    S      1 65535  0  1    1  0    1 00 0  0
mh/dy/yr  hh:mm:ss tz  #nnn
```

Message:

```
RC:AUDIT DLT KEY a results
mh/dy/yr  hh:mm:ss tz  #nnn
```

Reason for Output:

Result of input command.

Items Requiring Explanation:

RC:AUDIT ADD KEY a Body of input message.
TYPE b ANNSET c FROM
b TO e UCL f MO g
DAYMO h DAYWK i HR
j MIN k

RC:AUDIT CHG KEY Body of input message
a {KEY a|TYPE b|ANNSET
c|FROM d|TO e|UCL f|MO
g|DAYMO h|DAYWK
i|HR j|MIN k}

RC:AUDIT DLT KEY a Body of input message.

Database header

KEY—KEY Database Key (single value 0-99999).

TYPE—Audit type (single value 0-6).

0 = assignment mapping address,

1 = announcement equipped, 2 = statistics,

3 = bit by bit audio data, 4 = database,

5 = file system, and 6 = monitor process alive/dead.

ANNSET—Announcement Set (single value A-Z).

FROM—From Announcement ID range (single value 1-65535) or Announcement Mapping Address (single value 1-511).

TO—To Announcement ID range (single value 1-65535) or Announcement Mapping Address (single value 1-511).

UCL—Unconditional Audio (0 = conditional, 1 = unconditional).

MO—Month (single value 1-12 or * that means every month).

DAYMO—Day of the Month (single value 1-31 or * that means every day of the month).

DAYWK—Day of the Week (single value 0-6 with 0 = Sunday or * that means every day of the week).

HR—Hour (single value 0-23 or * that means every hour).

MIN—Minute (single value 0-59 or * that means every minute).

ENA—Enable audio (0 = NO, 1 = YES). Use message INH:AUDIT or ALW:AUDIT to inhibit (disable) or allow (enable) respectively the running of a specified audit.

ACT—Audit active (0 = NO, 1 = YES).

results

Completed—The Audit database has been modified.

Errors—See Appendix A for a listing of the error codes.

mh/dy/yr

Date (month/day/year).

hh:mm:ss tz

Time (hour:minute:second) and time zone.

#nnn

Message sequence number (0-999).

Action to be Taken:

None.

RC:ANNUPD Message

Message:

```
RC:ANNUPD DLT KEY a results  
mh/dy/yr hh:mm:ss tz #nnn
```

Reason for Output:

Result of input command.

Items Requiring Explanation:

RC:ANNUPD DLT KEY a	Body of output message.
Database header	KEY—Database Key (single value 0-99999).
results	Completed—The ISDN database has been modified. Errors—See Appendix A for a listing of the error codes.
mh/dy/yr	Date (month/day/year).
hh:mm:ss tz	Time (hour:minute:second) and time zone.
#nnn	Message sequence number (0-999).

Action to be Taken:

None.

RC:FSITE Message

Message:

```
RC:FSITE ADD KEY a OFID b PRIPN c SECPN d CLLI e results
KEY  OFID  PRIPN                SECPN                CLLI
  0    1    18003215678          18003215679          1234567890
mh/dy/yr hh:mm:ss tz #nnn
```

Message:

```
RC:FSITE CHG KEY a {KEY a|OFID b|PRIPN c |SECPN d |CLLI e} results
KEY  OFID  PRIPN                SECPN                CLLI
  0    1    18003215678          18003215679          1234567890
mh/dy/yr hh:mm:ss tz #nnn
```

Message:

```
RC:FSITE DLT KEY a results
mh/dy/yr hh:mm:ss tz #nnn
```

Reason for Output:

Result of input command.

Items Requiring Explanation:

RC:FSITE ADD KEY a OFID b PRIPN c SECPN d CLLI e	Body of input message.
RC:FSITE CHG KEY a {KEY a OFID b PRIPN c SECPN d CLLI e}	Body of input message.
RC:FSITE DLT KEY a Database header	Body of input message. KEY—Database key (single value 0-99999). OFID—Office ID (single value 1-32000). PRIPN—Primary phone number (maximum 25 numeric digits). SECPN—Secondary phone number (maximum 25 numeric digits). CLLI—CLLI code (maximum 10 upper case alphanumeric characters).
results	Completed—The FSITE database has been modified. Errors—See Appendix A for a listing of the error codes.
mh/dy/yr	Date (month/day/year).
hh:mm:ss tz	Time (hour:minute:second) and time zone.
#nnn	Message sequence number (0-999).

Action to be Taken:

None.

RC:MACHINE Message

Message:

```
RC:MACHINE ADD KEY a OFID b CLLI c TYPE d LVL e results
KEY   OFID  CLLI      TYPE   LVL
0     1     12345ABXYZ M      11
mh/dy/yr hh:mm:ss tz #nnn
```

Message:

```
RC:MACHINE CHG KEY a {KEY a|OFID b| CLLI c |TYPE d|LVL e} results
KEY   OFID  CLLI      TYPE   LVL
0     1     12345ABXYZ M      11
mh/dy/yr hh:mm:ss tz #nnn
```

Message:

```
RC:MACHINE DLT KEY a results
mh/dy/yr hh:mm:ss tz #nnn
```

Reason for Output:

Result of input command.

Items Requiring Explanation:

RC:MACHINE ADD KEY Body of input message.
a OFID b CLLI c TYPE d
LVL e results

RC:MACHINE CHG KEY Body of input message.
a {KEY a|OFID b|CLLI
c|TYPE d|LVL e} results

RC:MACHINE DLT KEY a results	Body of input message.
Database header	KEY—Database Key (single value 0-99999). OFID—Office ID (single value 1-32000). CLLI—CLLI code (maximum 10 upper case alphanumeric characters). TYPE—Machine type (single value M S F; M = master, S = slave, F = field). LVL—Audio level (single value 0-24; 0 = lowest level, 24 = highest level).
results	Completed—The MACHINE database has been modified. Errors—See Appendix A for a listing of the error codes.
mh/dy/yr	Date (month/day/year).
hh:mm:ss tz	Time (hour:minute:second) and time zone.
#nnn	Message sequence number (0-999).

Action to be Taken:

None.

RC:SCUEQP Message

Message:

```
RC:SCUEQP ADD KEY a ANNSET b SCS c SCU d LANADR {X'e|DFLT} results
KEY  ANNSET  SCS  SCU  LANADR  ENA  ACT
0    S        0    0  08006A190A  0    0
my/dy/yr hh:mm:ss tz #nnn
```

Message:

```
RC:SCUEQP;CHG,KEY a:{KEY a|ANNSET b|SCS c|SCU d|LANADR {X'e|DFLT} results
KEY  ANNSET  SCS  SCU  LANADR  ENA  ACT
0    S        0    0  08006A190A  0    0
my/dy/yr hh:mm:ss tz #nnn
```

Message:

```
RC:SCUEQP DLT KEY a results
mh/dy/yr hh:mm:ss tz #nnn
```

Reason for Output:

Result of input command.

Items Requiring Explanation:

RC:SCUEQP ADD Body of input message.
KEY a ANNSET b
SCS c SCU d
LANADR {X'e|DFLT}

RC:SCUEQP CHG KEY Body of input message.
a {KEY a|ANNSET b|SCS

lc|SCU d|LANADR
{X'e|DFLT}}

RC:SCUEQP DLT
KEY a

Body of input message.

Database header

KEY—Database Key (single value 0-99999).

ANNSET—Announcement Set (single value A-Z).

SCS—Service Circuit System (single value 0-7).

SCU—Service Circuit Unit (single value 0-15).

LANADR—Local Area Network Address (10 hex digits; 0-9, A-F).

ENA—Enable SCU (0 = NO, 1 = YES). Use message *INH:SCUEQP* or *ALW:SCUEQP* to inhibit (disable) or allow (enable) respectively the specified SCU.

ACT—SCU active (0 = NO, 1 = YES).

results

Completed—The SCUEQP database has been modified.

Errors—See Appendix A for a listing of the error codes.

mh/dy/yr

Date (month/day/year).

hh:mm:ss tz

Time (hour:minute:second) and time zone.

#nnn

Message sequence number (0-999).

Action to be Taken:

None.

RC:SETEQP Message

Message:

```
RC:SETEQP ADD KEY a ANNSET b SETADR {X'c|DFLT}|SETNUM d} results
KEY   ANNSET   SETADR   SETNUM
  a     b       c         d
mh/dy/dy hh:mm:ss tz #nnn
```

Message:

```
RC:SETEQP CHG KEY a {KEY a|ANNSET b|SETADR {X'c|DFLT}|SETNUM d} results
KEY   ANNSET   SETADR   SETNUM
  a     b       c         d
mh/dy/dy hh:mm:ss tz #nnn
```

Message:

```
RC:SETEQP DLT KEY a results
mh/dy/dy hh:mm:ss tz #nnn
```

Reason for Output:

Result of input command.

Items Requiring Explanation:

RC:SETEQP ADD KEY Body of input message.
a ANNSET b SETADR
{X'c|DFLT} SETNUM d

RC:SETEQP CHG KEY Body of input message.
a {KEY a|ANNSET
b|SETADR {X'c|DFLT}
|SETNUM d}}

RC:SETEQP DLT	Body of input message.
KEY a	
Database header	KEY—Database Key (single value 0-99999). ANNSET—Announcement Set (single value A-Z). SETADR—Announcement Set Multicast Address (10 hex digits; 0-9, A-F). SETNUM—Announcement Set Number (single value 0-254).
results	Completed—The SETEQP database has been modified. Errors—See Appendix A for a listing of the error codes.
mh/dy/yr	Date (month/day/year).
hh:mm:ss tz	Time (hour:minute:second) and time zone.
#nnn	Message sequence number (0-999).

Action to be Taken:

None.

RC:SLAVE Message

Message:

```
RC:SLAVE ADD KEY a CSID b ISOID X'c results

KEY CSID ISOID
 1      2 00020A0B837C0101
mh:dy:yr hh:mm:ss tz #nnn
```

Message:

```
RC:SLAVE CHG KEY a {KEY a|CSID b|ISOID X'c} results

KEY CSID ISOID
 1      2 00020A0B837C0101
mh:dy:yr hh:mm:ss tz #nnn
```

Message:

```
RC:SLAVE DLT KEY a results
mh:dy:yr hh:mm:ss tz #nnn
```

Reason for Output:

Result of input command.

Items Requiring Explanation:

RC:SLAVE ADD KEY a CSID b ISOID X'c Body of input message.

RC:SLAVE CHG KEY a {KEY a|CSID b|ISOID X'c} Body of input message.

RC:SLAVE DLT KEY a	Body of input message.
Database header	KEY—Database Key (single value 0-99999). CSID—Central Site Office ID (single value 1-32000). ISOID—International Standards Organization ID (16 hex digits; 0-9, A-F).
results	Completed—The SLAVE database has been modified. Errors—Refer to Appendix A for a listing of the error codes.
mh/dy/yr	Date (month/day/year).
hh:mm:ss tz	Time (hour:minute:second) and time zone.
#nnn	Message sequence number (0-999).

Action to be Taken:

None.

Remove Messages

RMV:AAPBD Message

Message:

```
RMV:AAPBD Completed
```

Reason for Output:

This command has completed successfully.

Items Requiring Explanation:

None.

Action to be Taken:

None.

Message:

```
REPT Routine RMV:AAPBD  
cfdown: <device> is already down
```

Reason for Output:

The specified device is not on-line.

Items Requiring Explanation:

The variable **device** can have the following values:

cpuX	Central Processing Unit Module Value: cpuA cpuB cpuC
iopN	Input/Output Controller Module Value: iop0 iop1

memX	Memory Module Value: memA memC
scsiN	Small Computer System Interface Module Value: scsi0 scsi1
diskN	Disk Module Value: disk0 disk1 disk2 disk6
tapeN	Tape Module Value: tape4
audio0	Audio Module Value: audio0
enetN	Ethernet LAN Controller Module Value: enet0 enet1
priN	Integrated Services Digital Network Primary Rate Interface Module (ISDN PRI) Value: pri0 pri1 pri2 pri3 pri4
spN	Service Processor Module Value: sp0 sp1

Action to be Taken:

None.

ANNC:RMV:ANN Message

Message:

```
RMV:ANNSET a [ SCS b SCU c]:ANN d  results
mh/dy/yr hh:mm:ss tz #nnn
```

Reason for Output:

Result of input command.

Items Requiring Explanation:

RMV:ANNSET a[SCS b SCU c] ANN d	Body of input message.
results	Completed—The announcement has been removed from the Announcement Set. IP (In Progress)—Request received and initiated. Further output will follow. Errors—See Appendix A for a listing of the error codes.
mh/dy/yr	Date (month/day/year).
hh:mm:ss tz	Time (hour:minute:second) and time zone.
#nnn	Message sequence number (0-999).

Action to be Taken:

None.

Replace Message

ANNC:RPLC:ANN Message

Message:

```
RPLC:ANNSET a [SCS b SCU c ]ANN d ANNVER "e" ANN f results  
mh/dy/yr hh:mm:ss tz #nnn
```

Reason for Output:

Result of input command.

Items Requiring Explanation:

RPLC:ANNSET a	Body of input message.
[SCS b SCU c]ANN	
d ANNVER "e" ANN f	
results	Completed—The announcements have been replaced in the Announcement Set. IP (In Progress)—Request received and initiated. Further output will follow. Errors—See Appendix A for a listing of the error codes.
mh/dy/yr	Date (month/day/year).
hh:mm:ss tz	Time (hour:minute:second) and time zone.
#nnn	Message sequence number (0-999).

Action to be Taken:

None.

Restore Message

RST:AAPBD Message

Message:

```
RST:AAPBD Completed
```

Reason for Output:

This command has completed successfully.

Items Requiring Explanation:

None.

Action to be Taken:

When **RST:AAPBD** is used to restore a Disk or SCSI, **AUD:MIRROR:CMD=REPAIR** must then be executed to restore the disk mirroring.

Message:

```
REPT Routine RST:AAPBD  
cfonline: <device> is already online
```

Reason for Output:

The specified device is not off-line.

Items Requiring Explanation:

The variable **device** can have the following values:

cpuX	Central Processing Unit Module
	Value: cpuA cpuB cpuC

iopN	Input/Output Controller Module Value: iop0 iop1
memX	Memory Module Value: memA memC
scsiN	Small Computer System Interface Module Value: scsi0 scsi1
diskN	Disk Module Value: disk0 disk1 disk2 disk6
tapeN	Tape Module Value: tape4
audio0	Audio Module Value: audio0
enetN	Ethernet LAN Controller Module Value: enet0 enet1
priN	Integrated Services Digital Network Primary Rate Interface Module (ISDN PRI) Value: pri0 pri1 pri2 pri3 pri4
spN	Service Processor Module Value: sp0 sp1

Action to be Taken:

None.

Set Message

SET:CLK Message

Message:

```
<dayofweek month dayofmonth hour:minute:second year>  
SET:CLK Completed
```

Reason for Output:

The date and time set on the system and the service processor(s) clocks.

Items Requiring Explanation:

The actual date and time.

Action to be Taken:

None.

Message:

```
SET:CLK Not_Started  
Illegal Date/Time format
```

Reason for Output:

The **SET:CLK** command did not complete successfully because of invalid parameters in the command.

Items Requiring Explanation:

None.

Action to be Taken:

Reenter the **SET:CLK** command with valid parameters.

Stop Messages

STOP:AAP Message

Message:

```
STOP:AAP a results  
my/dy/yr hh:mm:ss tz #nnn
```

Reason for Output:

Result of input command.

Items Requiring Explanation:

STOP:AAP a	Body of input message.
results	Completed—The AAP system or specified AAP process has been stopped. Errors—See Appendix A for a listing of the error codes.
mh/dy/yr	Date (month/day/year).
hh:mm:ss tz	Time (hour:minute:second) and time zone.
#nnn	Message sequence number (0-999).

Action to be Taken:

None.

AAP Update Messages

UPD:BWM:APPLY Message

Message:

```
UPD:BWM:APPLY In_Progress  
File: /etc/bwm/<update>/bin/file was copied to: /usr/aap/X/bin/record
```

Reason for Output:

This command is in progress.

Items Requiring Explanation:

update	The software update number associated with the apply action. The software update number must be in the form BWMxx-yyyy or CFTxx-yyyy, where "xx" is the last 2 digits of the year and "yyyy" is a unique 4-digit number associated with the BWM or CFT.
--------	---

Action to be Taken:

None.

Message:

```
UPD:BWM:APPLY In_Progress  
Restarting NSPS to apply <update>
```

Reason for Output:

This command is still in progress.

Items Requiring Explanation:

update	The software update number associated with the apply action. The software update number must be in the form BWMxx-yyyy or CFTxx-yyyy, where "xx" is the last 2 digits
--------	---

of the year and "yyyy" is a unique 4-digit number associated with the BWM or CFT.

Action to be Taken:

None.

Message:

```
UPD:BWM:APPLY Completed
Restarting application
AAP Starting at Wed Nov 10 14:48:52 CST 1993...
# 2NCP INIT STARTED [INIT LEVEL 3]
set env
ROLLING IN NSPS DATABASES
COMPLETED ROLLIN NSPS DATABASES
CREATING LEVEL 1 NSPS PROCESSES
CREATING LEVEL 2 NSPS PROCESSES
CREATING LEVEL 3 NSPS PROCESSES
NSPS INITIALIZATION COMPLETE
COMPLETED NSPS INIT
```

Reason for Output:

This command has completed successfully.

Items Requiring Explanation:

None.

Action to be Taken:

None.

Message:

```
UPD:BWM:APPLY Stopped
Another BWM is currently in apply state.
```

Reason for Output:

The **AAP_SUDB** database indicates that there is another software update already soaking. No "apply" can take place unless a "perm" or "bkout" request is issued to the currently soaking BWM.

Items Requiring Explanation:

None.

Action to be Taken:

Enter the **UPD:BWM:PERM** command to make the currently applied software update permanent, or enter the **UPD:BWM:BKOUT** command to back out the software update. Reenter the input command.

Message:

```
UPD:BWM:APPLY Stopped  
Bad BWM type received.
```

Reason for Output:

An invalid BWM type was received.

Items Requiring Explanation:

None.

Action to be Taken:

Make sure the software update ID provided in the command line begins with BWM or CFT. Reenter the input command.

Message:

```
UPD:BWM:APPLY Stopped  
Bad BWM number received.
```

Reason for Output:

An invalid BWM number was received.

Items Requiring Explanation:

None.

Action to be Taken:

Make sure the software update ID provided in the command line has the format

of [BWM|CFT] followed by 2 digits, dash (-), and 4-digits. Reenter the input command.

Message:

```
UPD:BWM:APPLY Stopped
Cannot access directory: <%s>
Cannot continue with normal procedure.
```

Reason for Output:

The command failed to access a directory.

Items Requiring Explanation:

%s - file name

Action to be Taken:

Enter the **df -k** UNIX system command using the "root" login to check file space. If file space is low, enter the **UPD:BWM:RMV** command to remove any old or not yet used BWMs. Ensure that the directory exists. If it does not exist, contact the next level of support for assistance.

Message:

```
UPD:BWM:APPLY Stopped
Cannot access file: <%s>
Unable to copy files to running directory.
```

Reason for Output:

The command failed to copy the software update to the running directory.

Items Requiring Explanation:

%s - file name

Action to be Taken:

Manually check to ensure that the file exists and reenter the command. If the file does not exist, contact the next level of support for assistance.

Message:

```
UPD:BWM:APPLY Stopped  
Cannot bring back: <%s>  
Need to manually copy file back from <dir_name>.
```

Reason for Output:

A system link error has occurred.

Items Requiring Explanation:

%s	file name
dir_name	directory name

Action to be Taken:

Manually copy file<%s> back from <dir_name>.

Message:

```
UPD:BWM:APPLY Stopped  
Restart NSPS command failed.  
Database Corruption.
```

Reason for Output:

The information retrieved from the **AAP_SUDB** database is not valid. This is a serious failure.

Items Requiring Explanation:

None.

Action to be Taken:

1. Enter the **INIT:NSPS** command to restart the AAP_maintenance system.
2. If the failure still recurs after restarting the AAP_maintenance system, contact the next level of support for assistance.

Message:

```
UPD:BWM:APPLY Stopped  
Failed to access Data Base.  
Cannot continue with normal procedure.
```

Reason for Output:

The command failed to get information out of the **AAP_SUDB** database. This is a serious failure.

Items Requiring Explanation:

None.

Action to be Taken:

1. Enter the **INIT:NSPS** command to restart the AAP_maintenance system.
2. If the failure still recurs after restarting the AAP_maintenance system, contact the next level of support for assistance.

Message:

```
UPD:BWM:APPLY Stopped  
Failed to access Data Base.  
Running directory already has this BWM applied.  
Need to manually move all filename.o back to filename in the  
running directory.
```

Reason for Output:

The command failed to update the **AAP_SUDB** database. This is a serious failure.

Items Requiring Explanation:

None.

Action to be Taken:

Manually move all filename.o back to file name in the running directory.

Message:

```
UPD:BWM:APPLY Stopped
Need to execute INIT:NSPS MML command from the craft shell to
restart the application.
```

Reason for Output:

The command failed to restart the software, but the software update is already in place and the database has also updated.

Items Requiring Explanation:

None.

Action to be Taken:

Enter the **INIT:NSPS** command to restart the application.

Message:

```
No BWM directory exists.
```

Reason for Output:

This command has failed to find the requested BWM in the **/etc/bwm** directory.

Items Requiring Explanation:

None.

Action to be Taken:

1. Verify that the correct BWM type and number have been requested.
2. Make sure the requested BWM has been downloaded from SCANs to this machine.
3. Reenter the input command.

Message:

No Matched Generic_id for this BWM.

Reason for Output:

This command has failed to find a matched generic_id between Generic_id and HDR files.

Items Requiring Explanation:

None.

Action to be Taken:

1. Verify that the correct BWM type and number have been requested.
2. Reenter the input command.

UPD:BWM:BKOUT Message

Message:

```
UPD:BWM:BKOUT In_Progress
Restarting NSPS to back out the last applied BWM: <update>
```

Reason for Output:

The command is in progress.

Items Requiring Explanation:

update - software update number.

Action to be Taken:

None.

Message:

```
UPD:BWM:BKOUT Completed
Restarting application
AAP Starting at Wed Nov 10 14:48:52 CST 1993...
# 2NCP INIT STARTED [INIT LEVEL 3]
set env
ROLLING IN NSPS DATABASES
COMPLETED ROLLIN NSPS DATABASES
CREATING LEVEL 1 NSPS PROCESSES
CREATING LEVEL 2 NSPS PROCESSES
CREATING LEVEL 3 NSPS PROCESSES
NSPS INITIALIZATION COMPLETE
COMPLETED NSPS INIT
```

Reason for Output:

This command has completed successfully.

Items Requiring Explanation:

None.

Action to be Taken:

None.

Message:

```
<update> is not in the applied state.  
Cannot continue with normal procedure.
```

Reason for Output:

This command has failed because the **AAP_SUDB** database indicates that the requested BWM was not in the APPLY state. No "BKOUT" can take place before the software is in the applied state.

Items Requiring Explanation:

update	The software update number associated with the apply action. The software update number must be in the form BWMxx-yyyy or CFTxx-yyyy, where "xx" is the last 2 digits of the year and "yyyy" is a unique 4-digit number associated with the BWM or CFT.
--------	---

Action to be Taken:

This message is for information only, no action is required.

Message:

```
Cannot access file: %s
```

Reason for Output:

This command has failed to access a specified file.

Items Requiring Explanation:

None.

Action to be Taken:

Contact the next level of support for assistance.

Message:

```
Unable to move file: %s to %s.
```

Reason for Output:

A system link error has occurred.

Items Requiring Explanation:

%s - File.

Action to be Taken:

Contact the next level of support for assistance.

Message:

```
Restart NSPS command failed.
```

Reason for Output:

This command has failed because the information retrieved from the **AAP_SUDB** database is not valid. This is a serious failure.

Items Requiring Explanation:

None.

Action to be Taken:

1. Enter the **INIT:NSPS** command to restart the AAP_maintenance system.
2. If the failure still recurs after restarting the AAP_maintenance system, contact the next level of support for assistance.

Message:

```
Failed to access Data Base.  
Cannot continue with normal procedure.
```

Reason for Output:

This command has failed to get information out of the **AAP_SUDB** database.
This is a serious failure.

Items Requiring Explanation:

None.

Action to be Taken:

1. Enter the **INIT:NSPS** command to restart the AAP_maintenance system.
2. If the failure still recurs after restarting the AAP_maintenance system, contact the next level of support for assistance.

Message:

```
Failed to access Data Base.  
Cannot continue with normal procedure.
```

Reason for Output:

Command has failed to update the **AAP_SUDB** database. This is a serious failure.

Items Requiring Explanation:

None.

Action to be Taken:

1. Enter the **UPD:SD** command to update the database.
2. Enter the **INIT:NSPS** command to restart the AAP_maintenance system.
3. If the failure still recurs after restarting the AAP_maintenance system, contact the next level of support for assistance.

Message:

```
No BWM directory exists.
```

Reason for Output:

This command has failed to find the requested BWM in the **/etc/bwm** directory.

Items Requiring Explanation:

None.

Action to be Taken:

1. Verify that the correct BWM type and number have been requested.
2. Reenter the input command.

Message:

```
No Matched Generic_id for this BWM.
```

Reason for Output:

This command has failed to find a matched generic_id between Generic_id and HDR files.

Items Requiring Explanation:

None.

Action to be Taken:

1. Verify that the correct BWM type and number have been requested.
2. Reenter the input command.

UPD:BWM:BOLO Message

Message:

```
UPD:BWM:BOLO In_Progress  
Restarting NSPS to back out the last perm'd BWM: <update>
```

Reason for Output:

The command is in progress.

Items Requiring Explanation:

update - Software update number.

Action to be Taken:

None.

Message:

```
UPD:BWM:BOLO Completed  
Restarting application
```

Reason for Output:

This command has completed successfully.

Items Requiring Explanation:

None.

Action to be Taken:

None.

Message:

```
UPD:BWM:BOLO Stopped  
BWM_NUMBER does not match.
```

Reason for Output:

This command has failed because the **AAP_SUDB** database has a different current apply number from the command requested number.

Items Requiring Explanation:

None.

Action to be Taken:

Enter the **UPD:BWM:DISPLAY** command to find out the current apply number in the **AAP_SUDB** database. Reenter the input command.

Message:

```
UPD:BWM:BOLO Stopped  
BWM_TYPE does not match.
```

Reason for Output:

This command has failed because the **AAP_SUDB** database has a different current apply type from the command requested type.

Items Requiring Explanation:

None.

Action to be Taken:

Enter the **UPD:BWM:DISPLAY** command to find out the current apply type in the **AAP_SUDB** database. Reenter the input command.

Message:

```
BOLO cannot be used because a BWM is in the applied state.  
Cannot continue with normal procedure.
```

Reason for Output;

This command has failed because the **AAP_SUDB** database indicates that a BWM is in the APPLY state. No "BOLO" can take place before the software is in the permed state.

Items Requiring Explanation:

None.

Action to be Taken:

Use the **UPD:BKOUT** command to back out the applied BWM.

Message:

```
BWMxxx-xxxx is not the correct perm'd BWM.
```

Reason for Output:

This command has failed because the **AAP_SUDB** database has a different current perm BWM from the command requested number.

Items Requiring Explanation:

None.

Action to be Taken:

Enter the **UPD:BWM:DISPLAY** command to find out the current perm number in the **AAP_SUDB** database. Reenter the input command.

Message:

```
Cannot unlink directory: %s
```

Reason for Output:

This command has failed because a system unlink error has occurred.

Items Requiring Explanation:

None.

Action to be Taken:

Contact the next level of support for assistance.

Message:

```
Cannot link directory: %s to directory %s.
```

Reason for Output:

This command has failed because a system link error has occurred.

Items Requiring Explanation:

None.

Action to be Taken:

Contact the next level of support for assistance.

Message:

```
No previous BWM to BOLO to.
```

Reason for Output:

This command has failed because the **AAP_SUDB** database indicates that no other BWMs have been permed before.

Items Requiring Explanation:

None.

Action to be Taken:

This message is for information only, no action is required.

Message:

```
Restart NSPS command failed.
```

Reason for Output:

This command has failed because the information retrieved from the **AAP_SUDB** database is not valid. This is a serious failure.

Items Requiring Explanation:

None.

Action to be Taken:

1. Enter the **INIT:NSPS** command to restart the AAP_maintenance system.
2. If the failure still recurs after restarting the AAP_maintenance system, contact the next level of support for assistance.

Message:

```
Failed to access Data Base.  
Cannot continue with normal procedure.
```

Reason for Output:

This command has failed to get information out of the **AAP_SUDB** database. This is a serious failure.

Items Requiring Explanation:

None.

Action to be Taken:

1. Enter the **INIT:NSPS** command to restart the AAP_maintenance system.
2. If the failure still recurs after restarting the AAP_maintenance system, contact the next level of support for assistance.

Message:

```
Failed to access Data Base.  
Cannot continue with normal procedure.
```

Reason for Output:

This command has failed to update the **AAP_SUDB** database. This is a serious failure.

Items Requiring Explanation:

None.

Action to be Taken:

1. Enter the **UPD:SD** command to update the database.
2. Enter the **INIT:NSPS** command to restart the AAP_maintenance system.
3. If the failure still recurs after restarting the AAP_maintenance system, contact the next level of support for assistance.

Message:

```
No BWM directory exists.
```

Reason for Output:

This command has failed to find the requested BWM in the **/etc/bwm** directory.

Items Requiring Explanation:

None.

Action to be Taken:

1. Verify that the correct BWM type and number have been requested.
2. Reenter the input command.

Message:

```
No Matched Generic_id for this BWM.
```

Reason for Output:

This command has failed to find a matched generic_id between Generic_id and HDR files.

Items Requiring Explanation:

None.

Action to be Taken:

1. Verify that the correct BWM type and number have been requested.
2. Reenter the input command.

UPD:BWM:DISPLAY Message

Message:

```
AAP_ATTIC 4AAP<1>3.1 CHCGILCL110 11/18/93 15:42:59 CST
M UPD:BWM:DISPLAY In_Progress
UPD:BWM:DISPLAY output--Part 1 of 2
```

```
BWM Log File Output
-----
```

```
<dayofweek month dayofmonth, year hour:minute:second:AM/PM> Command <update>
<dayofweek month dayofmonth, year hour:minute:second:AM/PM> Command <update>
<dayofweek month dayofmonth, year hour:minute:second:AM/PM> Command <update>
```

```
UPD:BWM:DISPLAY In_Progress
UPD:BWM:DISPLAY output--Part 2 of 2
```

```
Entries in the /etc/bwm directory:
-----
```

```
<update>
<update>
<update>
```

```
Currently perm'd and currently applied BWMs
-----
```

```
Currently perm'd BWM is: <update>
```

```
Currently applied BWM is: <update>
```

Reason for Output:

This command has completed successfully.

Items Requiring Explanation:

dayofweek Day of week (Monday, Tuesday, and so on).

month Month (January, February, and so on.)

dayofmonth Day of month (1, 2, and so on.).

year Year (1993).

hour:minute:second Hour, minute, and seconds (08:32:24).

AM/PM Designation used to differentiate between morning and evening.

update Software update number (BWM93-1234).

An example of a typical output would be:

```
Wednesday November 03,1993 05:25:44 PM: UPD:BWM:VFY CFT93-0000
Wednesday November 03,1993 05:59:10 PM: UPD:BWM:VFY CFT93-0253
Wednesday November 03,1993 06:03:09 PM: UPD:BWM:VFY CFT93-0253
Wednesday November 03,1993 06:06:43 PM: UPD:BWM:VFY CFT93-0253
Wednesday November 03,1993 06:08:35 PM: UPD:BWM:VFY CFT93-0253
Wednesday November 03,1993 06:09:53 PM: UPD:BWM:VFY CFT93-0253
Wednesday November 03,1993 06:16:48 PM: UPD:BWM:VFY CFT93-0253
Wednesday November 03,1993 06:18:50 PM: UPD:BWM:VFY CFT93-0253
Wednesday November 03,1993 06:20:16 PM: UPD:BWM:VFY CFT93-0253
```

Action to be Taken:

None.

Message:

```
BWM Log File Output
-----
```

```
Error in displaying the BWM log file
```

Reason for Output:

This command has failed to open the BWM log file.

Items Requiring Explanation:

None.

Action to be Taken:

Contact the next level of support for assistance.

Message:

```
Entries in the /etc/bwm directory:
-----

/etc/bwm is not accessible
```

Reason for Output:

This command has failed to access the **/etc/bwm** directory.

Items Requiring Explanation:

None.

Action to be Taken:

Contact the next level of support for assistance.

Message:

```
Entries in the /etc/bwm directory:
-----

System error in displaying the BWMs in etc/bwm
```

Reason for Output:

This command has failed to list the files in the **/etc/bwm** directory.

Items Requiring Explanation:

None.

Action to be Taken:

Contact the next level of support for assistance.

Message:

```
Entries in the /etc/bwm directory:  
-----
```

```
Error in displaying the BWMs
```

Reason for Output:

This command has failed to list the files in the **/etc/bwm** directory.

Items Requiring Explanation:

None.

Action to be Taken:

Contact the next level of support for assistance.

Message:

```
Entries in the /etc/bwm directory:  
-----
```

```
There are no BWMs or CFTs in etc/bwm.
```

Reason for Output:

There are no BWMs in the **/etc/bwm** directory.

Items Requiring Explanation:

None.

Action to be Taken:

This message is for information only, no action is required.

Message:

```
Currently perm'd and currently applied BWMs  
-----  
Cannot access the BWM database
```

Reason for Output:

This command has failed to access the **AAP_SUDB** database.

Items Requiring Explanation:

None.

Action to be Taken:

1. Reenter the input command.
2. If the error message recurs, enter the **INIT:NSPS** command to restart the AAP_maintenance system.
3. If the failure still recurs after restarting the AAP_maintenance system, contact the next level of support for assistance.

Message:

```
Currently perm'd and currently applied BWMs  
-----  
Cannot access currently perm'd BWM in the database
```

Reason for Output:

This command has failed to access an attribute in the **AAP_SUDB** database.

Items Requiring Explanation:

None.

Action to be Taken:

1. Reenter the input command.
2. If the error message recurs, enter the **INIT:NSPS** command to restart the AAP_maintenance system.
3. If the failure still recurs after restarting the AAP_maintenance system, contact the next level of support for assistance.

Message:

```
Currently perm'd and currently applied BWMS
-----
There is nothing currently perm'd
```

Reason for Output:

There are no currently permed files in the **/etc/bwm** directory.

Items Requiring Explanation:

None.

Action to be Taken:

This message is for information only, no action is required.

Message:

```
Currently perm'd and currently applied BWMS
-----
Cannot access currently applied BWM in the database
```

Reason for Output:

This command has failed to access an attribute in the **AAP_SUDB** database.

Items Requiring Explanation:

None.

Action to be Taken:

1. Reenter the input command.
2. If the error message recurs, enter the **INIT:NSPS** command to restart the AAP_maintenance system.
3. If the failure still recurs after restarting the AAP_maintenance system, contact the next level of support for assistance.

Message:

```
Currently perm'd and currently applied BWMs
-----
There is nothing currently applied
```

Reason for Output:

There are no currently applied files in the **/etc/bwm** directory.

Items Requiring Explanation:

None.

Action to be Taken:

This message is for information only, no action is required.

Message:

```
No BWM directory exists.
```

Reason for Output:

This command has failed to find the requested BWM in the **/etc/bwm** directory.

Items Requiring Explanation:

None.

Action to be Taken:

1. Verify that the correct BWM type and number have been requested.
2. Make sure the requested BWM has been downloaded from SCANs to this machine.

Message:

```
No Matched Generic_id for this BWM.
```

Reason for Output:

This command has failed to find a matched generic_id between Generic_id and HDR files.

Items Requiring Explanation:

None.

Action to be Taken:

Verify that the correct BWM type and number have been requested.

UPD:BWM:PERM Message

Message:

```
UPD:BWM:PERM In_Progress  
Updating Data Base ...
```

Reason for Output:

The command is in progress.

Items Requiring Explanation:

None.

Action to be Taken:

None.

Message:

```
UPD:BWM:PERM Completed  
Removed file: <%s>  
Removed file: <%s>
```

Reason for Output:

This command has completed successfully and removed the specified files.

Items Requiring Explanation:

%s - File (/usr/aap/X/bin/record.o).

Action to be Taken:

None.

Message:

```
UPD:BWM:PERM Completed
```

Reason for Output:

This command has completed successfully.

Items Requiring Explanation:

None.

Action to be Taken:

None.

Message:

```
UPD:BWM:PERM Stopped  
BWM_NUMBER does not match.
```

Reason for Output:

This command has failed because the **AAP_SUDB** database has a different current apply number from the command requested number.

Items Requiring Explanation:

None.

Action to be Taken:

Enter the **UPD:BWM:DISPLAY** command to find out the current apply number in the **AAP_SUDB** database. Reenter the input command.

Message:

```
UPD:BWM:PERM Stopped  
BWM_TYPE does not match.
```

Reason for Output:

This command has failed because the **AAP_SUDB** database has a different current apply type from the command requested type.

Items Requiring Explanation:

None.

Action to be Taken:

Enter the **UPD:BWM:DISPLAY** command to find out the current apply type in the **AAP_SUDB** database. Reenter the input command.

Message:

```
No BWM directory exists.
```

Reason for Output:

This command has failed to find the requested BWM in the **/etc/bwm** directory.

Items Requiring Explanation:

None.

Action to be Taken:

1. Verify that the correct BWM type and number have been requested.
2. Reenter the input command.

Message:

No Matched Generic_id for this BWM.

Reason for Output:

This command has failed to find a matched generic_id between Generic_id and HDR files.

Items Requiring Explanation:

None.

Action to be Taken:

1. Verify that the correct BWM type and number have been requested.
2. Reenter the input command.

UPD:BWM:RMV Message

Message:

```
UPD:BWM:RMV Completed
```

Reason for Output:

This command has completed successfully.

Items Requiring Explanation:

None.

Action to be Taken:

None.

Message:

```
UPD:BWM:RMV Stopped  
Error: Could not access the BWM data base
```

Reason for Output:

This command has failed to access the **AAP_SUDB** database.

Items Requiring Explanation:

None.

Action to be Taken:

1. Reenter the input command.
2. If the error message recurs, enter the **INIT:NSPS** command to restart the AAP_maintenance system.
3. If the failure still recurs after restarting the AAP_maintenance system, contact the next level of support for assistance.

Message:

```
UPD:BWM:RMV Stopped  
The BWM is in the currently applied state: It cannot be removed!
```

Reason for Output:

The requested BWM to be removed is in the currently applied state.

Items Requiring Explanation:

None.

Action to be Taken:

Do a UPD:BWM:BKOUT command first, then retry this command.

Message:

```
UPD:BWM:RMV Stopped  
The BWM was not successfully removed
```

Reason for Output:

This command has failed because there was an error within the system call to remove the requested BWM.

Items Requiring Explanation:

None.

Action to be Taken:

Retry this command. If it still does not work, contact the next level of support for assistance.

Message:

No BWM directory exists.

Reason for Output:

This command has failed to find the requested BWM in the **/etc/bwm** directory.

Items Requiring Explanation:

None.

Action to be Taken:

1. Verify that the correct BWM type and number have been requested.
2. Make sure the requested BWM has been downloaded from SCANs to this machine.

UPD:BWM:VFY Message

Message:

UPD:BWM:VFY Completed

FILE	BYTE-COUNT		CHECKSUM		STATUS
	HDR	SYSTEM	HDR	SYSTEM	
<filename>	<HDRBytes>	<BWMbytes>	<HDRCHKSUM>	<BWMCHKSUM>	<Status>
<filename>	<HDRBytes>	<BWMbytes>	<HDRCHKSUM>	<BWMCHKSUM>	<Status>

Reason for Output:

This command has completed successfully.

Items Requiring Explanation:

filename	Name of the file that should be under /etc/bwm/BWMxx-xxxx according to the HDR.
HDRbytes	Number of bytes that should be in "filename" according to the HDR.
BWMbytes	Number of bytes that is actually in "filename".
HDRCHKSUM	The checksum that "filename" should have according to the HDR.
BWMCHKSUM	The checksum that "filename" actually has.
Status	There are three possible status values: <ul style="list-style-type: none"> — Not Found - There is no corresponding file under that BWM that is listed in the HDR. — Failed - There is a corresponding file, but the checksum or byte count does not match. — Found - There is a corresponding file with the correct byte count and checksum.

Action to be Taken:

None.

Message:

```
Error: Cannot open BWM directory
```

Reason for Output:

This command has failed to list the files in the **/etc/bwm** directory.

Items Requiring Explanation:

None.

Action to be Taken:

Contact the next level of support for assistance.

Message:

```
Error: Cannot open HDR file
```

Reason for Output:

This command has failed to open the HDR files.

Items Requiring Explanation:

None.

Action to be Taken:

Contact the next level of support for assistance.

Message:

```
No BWM directory exists.
```

Reason for Output:

This command has failed to find the requested BWM in the **/etc/bwm** directory.

Items Requiring Explanation:

None.

Action to be Taken:

1. Verify that the correct BWM type and number have been requested.
2. Make sure the requested BWM has been downloaded from SCANS to this machine.

Message:

```
No Matched Generic_id for this BWM.
```

Reason for Output:

This command has failed to find a matched generic_id between Generic_id and HDR files.

Items Requiring Explanation:

None.

Action to be Taken:

Verify that the correct BWM type and number have been requested.

UPD:SD Message

Message:

```
UPD:SD Completed  
Update succeeded
```

Reason for Output:

This command has completed successfully.

Items Requiring Explanation:

None.

Action to be Taken:

None.

Message:

```
UPD:SD Stopped  
Attribute with specified key fields already exists  
Update failed
```

Reason for Output:

This command has failed because the attribute with the specified key field already exists.

Items Requiring Explanation:

None.

Action to be Taken:

None.

CDSU Update Messages

UPD:CDSU Message

⇒ NOTE:

When the OP:CDSU is run by UPD:CDSU in the UPD=ADD or UPD=CHG cases, any of the error message or audit messages detailed in the this section for the OP:CDSU output message can occur.

Message:

```

AAP_ATT 4AAP<1>4.10  AUCKNZ0123T 04/06/95 10:12:12 CDT
M  OP:CDSU Completed

CDSU
-----
|KEY                |101
|SCS                |1
|SCU                |0
|CDSU               |1
|GEN                |CDSU1
|PERM_TYPE          |-
|PERM_NUM           |-1
|PRE_PERM_TYPE      |-
|PRE_PERM_NUM       |-1
|APPLY_TYPE         |-
|APPLY_NUM          |-1
|LAST_PERM_BWM_N    |-1
|LAST_PERM_CFT_N    |-1
|PRE_PERM_BWM_NU    |-1
|PRE_PERM_CFT_NU    |-1
-----
<
AAP_ATT 4AAP<1>4.10  AUCKNZ0123T 04/06/95 10:07:36 CDT
M  UPD:CDSU Completed

```

Reason for Output:

When running UPD:CDSU:UPD=ADD or UPD:CDSU:UPD=CHG, the UPD:CDSU command will output in LONG form the entry just added or changed, thus providing OP:CDSU output as well as UPD:CDSU output. Note that the OP:CDSU audit will be run and the audit information will be printed out, if appropriate.

Items Requiring Explanation:

See the "OP:CDSU Message" section in Chapter 7, "MML Input Commands," for definition of fields).

Action to be Taken:

None.

Message:

```
AAP_ATTTC 4AAP<1>4.10 AUCKNZ0123T 04/06/95 10:16:29 CDT  
M UPD:CDSU Completed
```

Reason for Output:

Indicates successful completion of UPD:CDSU:UPD=DLT.

Action to be Taken:

None.

Message:

```
Cannot Open Database
```

Reason for Output:

Database Corruption or lockout by another database user.

Action to be Taken:

Try command again. If still unsuccessful, execute the UNIX system command **rm /usr/aap/database/cdsu** and try your **UPD:CDSU** command again. You will then need to add all previous entries back into the database using **UPD:CDSU**.

Message:

Mandatory attribute KEY not specified.

Reason for Output:

In all UPD:CDSU commands, at least the KEY attribute is required.

Action to be Taken:

Reenter the command correctly.

Message:

KEY X not found.

Reason for Output:

For **CHG** or **DLT**, **KEY** specified was not in the database.

Items Requiring Explanation:

X - Value of KEY specified on input message.

Action to be Taken:

Reenter command with correct KEY.

Message:

```
Could not remove CDSU entries from TCP/IP Files.
```

Reason for Output:

In attempting to remove this entry from one database, the removal failed.

Items Requiring Explanation:

None.

Action to be Taken:

Re-try the command.

Message:

```
Attribute X not found in Audit Table.
```

Reason for Output:

In attempting to audit the database, an internal error was found.

Items Requiring Explanation:

X - Attribute

Action to be Taken:

Escalate to next level of support.

Message:

```
Value X out of range for Attribute Y.
```

Reason for Output:

In **UPD=ADD** or **UPD=CHG**, the value given is out of range.

Items Requiring Explanation:

X	The out-of-range value.
Y	The attribute name.

Action to be Taken:

Reenter the command with all values in range.

Message:

```
Could not change CDSU entries in TCP/IP files  
CDSU is now unreachable.
```

or

```
Could not add CDSU entries to TCP/IP Files.
```

Reason for Output:

In attempting to change the TCP/IP databases, an error occurred and the entry for this CDSU is not present. This means that **rlogin**, **rcp**, **rsh**, and the **UPD:BWM** commands for that CDSU will not work.

Action to be Taken:

Use **UPD:CDSU:UPD=DLT** and the **UPD:CDSU:UPD=ADD** to re-add the CDSU to the database. If this still fails, escalate to next level of support.

Message:

```
KEY X already used in CDSU database.
```

Reason for Output:

All KEY values in the CDSU database must be unique. The one entered on the **UPD:CDSU:UPD=ADD** is already used in the CDSU database.

Items Requiring Explanation:

X - Value of KEY entered.

Action to be Taken:

Reenter the command with a unique KEY value.

Message:

```
ADD would create Duplicate CDSU entry with KEY X.
```

Reason for Output:

This **UPD:CDSU:UPD=ADD** command would create a second entry in the CDSU database with the same SCS, SCU, and CDSU values.

Items Requiring Explanation:

X - KEY value for the current entry in the database that duplicates the entry in the command.

Action to be Taken:

Reenter the command with the correct SCS, SCU, CDSU parameters.

Message:

```
Invalid Attribute X.
```

Reason for Output:

Attribute name given is not a valid attribute in the CDSU database.

Items Requiring Explanation:

X - Attribute name.

Action to be Taken:

Reenter with the corrected attribute name.

Message:

```
The Following Required Attributes not specified:  
X
```

Reason for Output:

In **UPD:CDSU:UPD=ADD**, there are 5 required attributes: **KEY, SCS, SCU, CDSU, GEN**. One or more of these is missing.

Items Requiring Explanation:

X - Attribute name(s).

Action to be Taken:

Reenter the command with all required attribute names.

UPD:CDSUBWM:APPLY Message

Message:

```
UPD:CDSUBWM:APPLY In_Progress  
Applying BWM on cds<xxyyz> is in progress.
```

Reason for Output:

The command is in progress.

Items Requiring Explanation:

xx	SCS Number
yy	SCU Number
z	CDSU Number

Action to be Taken:

None.

Message:

```
UPD:CDSUBWM:APPLY In_Progress  
Saved directory /cdsu/cdsu/tmp  
Saved file /cdsu/cdsu/tmp/cdsu.tar.Z
```

Reason for Output:

The command is in progress.

Items Requiring Explanation:

None.

Action to be Taken:

None.

Message:

```
UPD:CDSUBWM:APPLY In_Progress
Fixed mode of /cdsu/cdsu/tmp
Fixed group of /cdsu/cdsu/tmp
Fixed owner of /cdsu/cdsu/tmp
Created new file /cdsu/cdsu/tmp/%Ncdsu.tar.Z
Fixed mode of /cdsu/cdsu/tmp/%Ncdsu.tar.Z
Fixed group of /cdsu/cdsu/tmp/%Ncdsu.tar.Z
Fixed owner of /cdsu/cdsu/tmp/%Ncdsu.tar.Z
Saved previous official file as /cdsu/cdsu/tmp/%Ocdsu.tar.Z
Installed /cdsu/cdsu/tmp/cdsu.tar.Z
Removed /cdsu/cdsu/tmp/%Ocdsu.tar.Z
```

Reason for Output:

The command is in progress.

Items Requiring Explanation:

None.

Action to be Taken:

None.

Message:

```
UPD:CDSUBWM:APPLY Completed
```

Reason for Output:

This command has completed successfully.

Items Requiring Explanation:

None.

Action to be Taken:

None.

Message:

```
No Matched Generic_id for this BWM.
```

Reason for Output:

This command has failed to find a matched generic_id between the CDSU database and HDR files.

Items Requiring Explanation:

None.

Action to be Taken:

1. Verify that the correct BWM type and number have been requested. If they have, continue to the next step.
2. Verify that the update command **UPD:CDSUBWM** has been entered, not **UPD:BWM**. If **UPD:BWM** has been entered, continue to the next step.
3. Reenter the input command.

Message:

```
No BWM directory exist.
```

Reason for Output:

The command has failed to find the requested BWM in the **/etc/bwm** directory.

Items Requiring Explanation:

None.

Action to be Taken:

1. Verify that the correct BWM type and number have been requested. If they have, continue to the next step.
2. Verify that the update command **UPD:CDSUBWM** has been entered, not **UPD:BWM**. If **UPD:BWM** has been entered, continue to the next step.
3. Make sure the requested BWM has been downloaded from SCANS to this machine.
4. Make sure the BWM has been VFYed for this CDSU.
5. Reenter the input command.

Message:

```
Invalid SCS/SCU/CDSU
```

Reason for Output:

This command has failed to find the requested SCS/SCU/CDSU in the CDSU database.

Items Requiring Explanation:

None.

Action to be Taken:

1. Verify that the correct SCS/SCU/CDSU has been requested.
2. If it has, execute **OP:CDSU** command to display the CDSU database. The output will indicate all recognized SCS/SCU/CDSU database entries. Verify that the requested SCS/SCU/CDSU is in the CDSU database.
3. Reenter the input command.

Message:

```
DB Error.
```

```
or
```

```
SCS <a>, SCU <b>, CDS <c> failed due to DB Error.
```

Reason for Output:

This command has failed to find the requested SCS/SCU/CDSU in the CDSU database.

Items Requiring Explanation:

- | | |
|---|-------------|
| a | SCS Number |
| b | SCU Number |
| c | CDSU Number |

Action to be Taken:

1. Verify that the correct SCS/SCU/CDSU has been requested.
2. If it has, execute **OP:CDSU** command to display the CDSU database. The output will indicate all recognized SCS/SCU/CDSU database entries. Verify that the requested SCS/SCU/CDSU is in the CDSU database.
3. Reenter the input command.

Message:

```
Update DB Fail.
```

```
or
```

```
SCS <a>, SCU <b>, CDS <c> failed due to Update DB Fail.
```

Reason for Output:

This command has failed to update the requested SCS/SCU/CDSU in the CDSU database.

Items Requiring Explanation:

- | | |
|---|-------------|
| a | SCS Number |
| b | SCU Number |
| c | CDSU Number |

Action to be Taken:

1. Reenter the input command.
2. If this command failed the same way, contact the next level of support for assistance.

Message:

```
cds<xxyyz>: Another BWM is still in applied state.
```

or

```
SCS <a>, SCU <b>, CDS <c> failed due to  
Another BWM is still in applied state.
```

Reason for Output:

The CDSU database indicates that there is another software update already soaking. No "apply" can take place unless a "perm" or "bkout" request is issued to the currently soaking BWM.

Items Requiring Explanation:

xx	SCS Number
yy	SCU Number
z	CDSU Number
a	SCS Number
b	SCU Number
c	CDSU Number

Action to be Taken:

1. Enter **UPD:CDSUBWM:PERM** command to make the currently applied software update permanent, or enter the **UPD:CDSUBWM:BKOUT** command to back out the software update.
2. Reenter the input command.

Message:

```
Cannot access directory: <name>  
Cannot continue with normal procedure.
```

Reason for Output:

The command failed to access a directory.

Items Requiring Explanation:

name	Directory name.
------	-----------------

Action to be Taken:

1. Enter the **df -k** UNIX system command using the "root" login to check file space. If file space is low, enter the **UPD:CDSUBWM:RMV** command to remove any old or not yet used BWMs.
2. Ensure that this directory exists. If it does not exist, contact the next level of support for assistance.
3. Reenter the input command.

Message:

```
Cannot access file: <name>  
Unable to copy files to running directory.
```

Reason for Output:

The command failed to copy the software update to the running directory.

Items Requiring Explanation:

name	File name.
------	------------

Action to be Taken:

1. Manually check to ensure that the file exists. If the file does not exist, contact the next level of support for assistance.
2. Reenter the command.

Message:

```
Cannot bring back: <filename>  
Need to manually copy file back from <directory>.
```

Reason for Output:

A system link error has occurred.

Items Requiring Explanation:

filename	File name.
directory	Directory name.

Action to be Taken:

Manually copy file back from directory.

Message:

No response from this CDS.
But DataBase has been updated for this command.
Follow Recovery Procedure in TAP-162 of 201-525-016AC.

or

SCS <a>, SCU , CDS <c> failed due to No response from this CDS.
But DataBase has been updated for this command.
Follow Recovery Procedure in TAP-162 of 201-525-016AC.

Reason for Output:

This command failed to get a response from a CDSU after a "restart" or "reboot" was requested.

Items Requiring Explanation:

- a SCS Number
- b SCU Number
- c CDSU Number

Action to be Taken:

Contact the next level of support for assistance.

Message:

```
Error: <error>  
But DataBase has been updated for this command.  
Follow Recovery Procedure in TAP-162 of 201-525-016AC.
```

or

```
SCS <a>, SCU <b>, CDS <c> failed due to Error: Unknown State  
But DataBase has been updated for this command.  
Follow Recovery Procedure in TAP-162 of 201-525-016AC.
```

Reason for Output:

This command gets an error response from a CDSU after a "restart" or "reboot" was requested.

Items Requiring Explanation:

error	Error message from the CDSU
a	SCS Number
b	SCU Number
c	CDSU Number

Action to be Taken:

Follow action(s) indicated in TAP-162 of 201-525-016AC, *AAP Maintenance, Diagnostics, and Trouble Clearing*.

Message:

```
cds<xxxyz>: Mount CDSU Fail.  
(Please ensure proper CDSU connection).
```

or

```
SCS <a>, SCU <b>, CDS <c> failed due to Mount CDSU Fail.  
(Please ensure proper CDSU connection).
```

Reason for Output:

This command failed to mount a CDSU under **/cdsu**.

Items Requiring Explanation:

xx	SCS Number
yy	SCU Number
z	CDSU Number
a	SCS Number
b	SCU Number
c	CDSU Number

Action to be Taken:

1. Enter the **ping cdsxxxyz** UNIX system command using the "root" login to check if the cdsxxyz is alive. If it is, continue with Step 2. If not, contact the next level of support.
2. Enter the **ps -aef | grep mount** UNIX system command using the "root" login to check if there is still a running process trying to mount a CDSU under **/cdsu**. If it is, kill the process.
3. Enter the **mount** UNIX system command using the "root" login to check if a CDSU is still mounted under **/cdsu**. If it is, do **umount /cdsu** to unmount it.
4. Reenter the input command.

Message:

```
cds<xxyyz>: Requested BWM is Not-In-Order.
```

or

```
SCS <a>, SCU <b>, CDS <c> failed due to  
Requested BWM is Not-In-Order.
```

Reason for Output:

The requested BWM number is not in order. Database indicates either the current permed BWM or last permed BWM has a higher number than the requested one.

Items Requiring Explanation:

xx	SCS Number
yy	SCU Number
z	CDSU Number
a	SCS Number
b	SCU Number
c	CDSU Number

Action to be Taken:

1. Ensure the requested BWM is the one you want to apply.
2. If it is, reenter the input command with the **NIO** option.

Message:

```
cds<xyyz>: BWM directory is corrupted or does not exist.
```

or

```
SCS <a>, SCU <b>, CDS <c> failed due to BWM directory is  
corrupted or does not exist.
```

```
Execute UPD:CDSUBWM:VFY command to verify this BWM  
before APPLY.
```

Reason for Output:

This command failed to apply the requested BWM because the BWM instance does not exist.

Items Requiring Explanation:

xx	SCS Number
yy	SCU Number
z	CDSU Number
a	SCS Number
b	SCU Number
c	CDSU Number

Action to be Taken:

1. Execute **UPD:CDSUBWM:VFY** command to verify this BWM before APPLY.
2. Reenter this input command.

Message:

```
cds<xxxyz>: CDSU Access Fail.
```

or

```
SCS <a>, SCU <b>, CDS <c> failed due to CDSU Access Fail.
```

Reason for Output:

This command failed to get update permission from a CDSU.

Items Requiring Explanation:

xx	SCS Number
yy	SCU Number
z	CDSU Number
a	SCS Number
b	SCU Number
c	CDSU Number

Action to be Taken:

1. Verify that this CDSU's SCU has been removed from service.
2. Enter **OP:CDSU** to verify that the requested SCS/SCU/CDSU is in the CDSU database. If it is in the database, contact the next level of support. If it is not in the database, retry with the correct SCS/SCU/CDSU number.
3. Reenter this input command.

Message:

```
cds<xyyz>: Unity DB constructor failed
```

or

```
SCS <a>, SCU <b>, CDS <c> failed due to Unity DB  
constructor failed.
```

Reason for Output:

This command has failed due to the lack of system resources.

Items Requiring Explanation:

xx	SCS Number
yy	SCU Number
z	CDSU Number
a	SCS Number
b	SCU Number
c	CDSU Number

Action to be Taken:

1. Reenter this input command.
2. If this command failed the same way, contact next level of support for assistance.

Message:

```
UPD:CDSUBWM:APPLY Aborted
```

Reason for Output:

The requested update command has failed on every or some of the specified CDSUs. The command will continue with the next valid CDSU until all specified CDSUs have been invoked.

Items Requiring Explanation:

None.

Action to be Taken:

None.

Message:

```
UPD:CDSUBWM:APPLY Stopped
```

Reason for Output:

If the BWM was for a single CDSU, the requested update command has failed on the specified CDSU.

If the BWM was for multiple CDSUs, the requested update command has failed on every or some of specified CDSUs. A detail of the failed/completed results will follow the "Stopped" message.

Items Requiring Explanation:

None.

Action to be Taken:

Examine the MML output message(s) that follow the "Stopped" message and take the action for that message as recommended in this document.

UPD:CDSUBWM:BKOUT Message

Message:

```
UPD:CDSUBWM:BKOUT In_Progress  
Updating CDSU database for cds<xxyyz>...
```

Reason for Output:

This command is in progress.

Items Requiring Explanation:

xx	SCS Number
yy	SCU Number
z	CDSU Number

Action to be Taken:

None.

Message:

```
UPD:CDSUBWM:BKOUT In_Progress  
Restoring previous BWM on cds<xyyz> is in progress.
```

Reason for Output:

This command is in progress.

Items Requiring Explanation:

xx	SCS Number
yy	SCU Number
z	CDSU Number

Action to be Taken:

None.

Message:

```
UPD:CDSUBWM:BKOUT In_Progress
Restored directory /cdsu/cdsu/tmp
Created /cdsu/cdsu/tmp/%Ocdsu.tar.Z
Renamed /cdsu/cdsu/tmp/cdsu.tar.Z to /cdsu/cdsu/tmp/%Ncdsu.tar.Z
Renamed /cdsu/cdsu/tmp/%Ocdsu.tar.Z to /cdsu/cdsu/tmp/cdsu.tar.Z
Removed /cdsu/cdsu/tmp/%Ncdsu.tar.Z
```

Reason for Output:

This command is in progress.

Items Requiring Explanation:

None.

Action to be Taken:

None.

Message:

```
UPD:CDSUBWM:BKOUT Completed
```

Reason for Output:

This command has completed successfully.

Items Requiring Explanation:

None.

Action to be Taken:

None.

Message:

```
No Matched Generic_id for this BWM.
```

Reason for Output:

This command has failed to find a matched generic_id between the CDSU database and HDR files.

Items Requiring Explanation:

None.

Action to be Taken:

1. Verify that the correct BWM type and number have been requested.
2. Verify that the update command **UPD:CDSUBWM** has been entered, not **UPD:BWM**. If **UPD:BWM** has been entered, continue to the next step.
3. Reenter the input command.

Message:

```
No BWM directory exist.
```

Reason for Output:

This command has failed to find the requested BWM in the **/etc/bwm** directory.

Items Requiring Explanation:

None.

Action to be Taken:

1. Verify that the correct BWM type and number have been requested.
2. Verify that the update command **UPD:CDSUBWM** has been entered, not **UPD:BWM**. If **UPD:BWM** has been entered, continue to the next step.
3. Reenter the input command.

Message:

```
Invalid SCS/SCU/CDSU
```

Reason for Output:

This command has failed to find the requested SCS/SCU/CDSU in the CDSU database.

Items Requiring Explanation:

None.

Action to be Taken:

1. Verify that the correct SCS/SCU/CDSU has been requested.
2. If it has, execute **OP:CDSU** command to display the CDSU database. The output will indicate all recognized SCS/SCU/CDSU database entries. Verify that the correct SCS/SCU/CDSU has been requested.
3. Reenter the input.

Message:

```
DB Error.
```

```
or
```

```
SCS <a>, SCU <b>, CDS <c> failed due to DB Error.
```

Reason for Output:

This command has failed to find the requested SCS/SCU/CDSU in the CDSU database.

Items Requiring Explanation:

- | | |
|---|-------------|
| a | SCS Number |
| b | SCU Number |
| c | CDSU Number |

Action to be Taken:

1. Verify that the correct SCS/SCU/CDSU has been requested.
2. If it has, execute **OP:CDSU** command to display the CDSU database. The output will indicate all recognized SCS/SCU/CDSU database entries. Verify that the requested SCS/SCU/CDSU is in the CDSU database.
3. Reenter the input command.

Message:

```
Update DB Fail.
```

```
or
```

```
SCS <a>, SCU <b>, CDS <c> failed due to Update DB Fail.
```

Reason for Output:

This command has failed to update the requested SCS/SCU/CDSU in the CDSU database.

Items Requiring Explanation:

- | | |
|---|-------------|
| a | SCS Number |
| b | SCU Number |
| c | CDSU Number |

Action to be Taken:

1. Reenter the input command.
2. If this command failed the same way, contact the next level of support for assistance.

Message:

```
cds<xxxyz>: CDSU Access Fail.
```

or

```
SCS <a>, SCU <b>, CDS <c> failed due to CDSU Access Fail.
```

Reason for Output:

This command failed to get update permission from a CDSU.

Items Requiring Explanation:

xx	SCS Number
yy	SCU Number
z	CDSU Number
a	SCS Number
b	SCU Number
c	CDSU Number

Action to be Taken:

1. Verify that this CDSU's SCU has been removed from service.
2. Enter **OP:CDSU** to verify that the requested SCS/SCU/CDSU is in the CDSU database. If it is in the database, contact the next level of support. If it is not in the database, retry with the correct SCS/SCU/CDSU number.
3. Reenter this input command.

Message:

```
Requested BWM is not in applied state.
```

```
or
```

```
SCS <a>, SCU <b>, CDS <c> failed due to Requested BWM  
is not in applied state.
```

Reason for Output:

This command failed to BKOUT the requested BWM because the BWM was not in current applied state.

Items Requiring Explanation:

- | | |
|---|-------------|
| a | SCS Number |
| b | SCU Number |
| c | CDSU Number |

Action to be Taken:

None.

Message:

No response from this CDS.
But DataBase has been updated for this command.
Follow Recovery Procedure in TAP-162 of 201-525-016AC.

or

SCS <a>, SCU , CDS <c> failed due to No response from this CDS.
But DataBase has been updated for this command.
Follow Recovery Procedure in TAP-162 of 201-525-016AC.

Reason for Output:

This command failed to get a response from a CDSU after a "restart" or "reboot" was requested.

Items Requiring Explanation:

- a SCS Number
- b SCU Number
- c CDSU Number

Action to be Taken: Contact the next level of support for assistance.

Message:

```
Error: <error>  
But DataBase has been updated for this command.  
Follow Recovery Procedure in TAP-162 of 201-525-016AC.
```

or

```
SCS <a>, SCU <b>, CDS <c> failed due to Error: Unknown State  
But DataBase has been updated for this command.  
Follow Recovery Procedure in TAP-162 of 201-525-016AC.
```

Reason for Output:

This command gets an error response from a CDSU after a "restart" or "reboot" was requested.

Items Requiring Explanation:

error	Error message from the CDSU
a	SCS Number
b	SCU Number
c	CDSU Number

Action to be Taken:

Follow action(s) indicated in TAP-162 of 201-525-016AC, *AAP Maintenance, Diagnostics, and Trouble Clearing*, based on the error.

Message:

```
cds<xxxyz>: Mount CDSU Fail.  
(Please ensure proper CDSU connection).
```

or

```
SCS <a>, SCU <b>, CDS <c> failed due to Mount CDSU Fail.  
(Please ensure proper CDSU connection).
```

Reason for Output:

This command failed to mount a CDSU under **/cdsu**.

Items Requiring Explanation:

xx	SCS Number
yy	SCU Number
z	CDSU Number
a	SCS Number
b	SCU Number
c	CDSU Number

Action to be Taken:

1. Enter the **ping cdsxxxyz** UNIX system command using the "root" login to check if the cdsxxxyz is alive. If it is, continue with Step 2. If not, contact the next level of support.
2. Enter the **ps -aef | grep mount** UNIX system command using the "root" login to check if there is still a running process trying to mount a CDSU under **/cdsu**. If it is, kill the process.
3. Enter the **mount** UNIX system command using the "root" login to check if a CDSU is still mounted under **/cdsu**. If it is, do **umount /cdsu** to unmount it.
4. Reenter the input command.

Message:

```
cds<xxxyz>: Restore BWM Fail.
```

or

```
SCS <a>, SCU <b>, CDS <c> failed due to Restore BWM Fail.
```

Reason for Output:

This command failed to restore a CDSU back to the current permmed BWM.

Items Requiring Explanation:

xx	SCS Number
yy	SCU Number
z	CDSU Number
a	SCS Number
b	SCU Number
c	CDSU Number

Action to be Taken:

Contact the next level of support for assistance.

Message:

```
cds<xxyyz>: BWM data is corrupted.  
  
or  
  
SCS <a>, SCU <b>, CDS <c> failed due to BWM data is corrupted.
```

Reason for Output:

This command failed to find the mapfile under the requested BWM.

Items Requiring Explanation:

xx	SCS Number
yy	SCU Number
z	CDSU Number
a	SCS Number
b	SCU Number
c	CDSU Number

Action to be Taken:

Contact the next level of support for assistance.

Message:

```
cds<xyyz>: Unity DB constructor failed  
  
or  
  
SCS <a>, SCU <b>, CDS <c> failed due to Unity DB  
constructor failed.
```

Reason for Output:

This command has failed due to the lack of system resources.

Items Requiring Explanation:

xx	SCS Number
yy	SCU Number
z	CDSU Number
a	SCS Number
b	SCU Number
c	CDSU Number

Action to be Taken:

1. Reenter this input command.
2. If this command failed the same way, contact next level of support for assistance.

Message:

```
UPD:CDSUBWM:BKOUT Aborted
```

Reason for Output:

The requested update command has failed on every or some of the specified CDSUs. The command will continue with the next valid CDSU until all specified CDSUs have been invoked.

Items Requiring Explanation:

None.

Action to be Taken:

None.

Message:

```
UPD:CDSUBWM:BKOUT Stopped
```

Reason for Output:

If the BWM was for a single CDSU, the requested update command has failed on the specified CDSU.

If the BWM was for multiple CDSUs, the requested update command has failed on every or some of specified CDSUs. A detail of the failed/completed results will follow the "Stopped" message.

Items Requiring Explanation:

None.

Action to be Taken:

Examine the MML output message(s) that follow the "Stopped" message and take the action for that message as recommended in this document.

UPD:CDSUBWM:BOLO Message

Message:

```
UPD:CDSUBWM:BOLO In_Progress  
Updating CDSU database for cds<xxyyz>...
```

Reason for Output:

This command is in progress.

Items Requiring Explanation:

xx	SCS Number
yy	SCU Number
z	CDSU Number

Action to be Taken:

None.

Message:

```
UPD:CDSUBWM:BOLO In_Progress  
Restoring previous BWM on cds<xyyz> is in progress.
```

Reason for Output:

This command is in progress.

Items Requiring Explanation:

xx	SCS Number
yy	SCU Number
z	CDSU Number

Action to be Taken:

None.

Message:

```
UPD:CDSUBWM:BOLO In_Progress
Restored directory /cdsu/cdsu/tmp
Created /cdsu/cdsu/tmp/%Ocdsu.tar.Z
Renamed /cdsu/cdsu/tmp/cdsu.tar.Z to /cdsu/cdsu/tmp/%Ncdsu.tar.Z
Renamed /cdsu/cdsu/tmp/%Ocdsu.tar.Z to /cdsu/cdsu/tmp/cdsu.tar.Z
Removed /cdsu/cdsu/tmp/%Ncdsu.tar.Z
```

Reason for Output:

This command is in progress.

Items Requiring Explanation:

None.

Action to be Taken:

None.

Message:

```
UPD:CDSUBWM:BOLO Completed
```

Reason for Output:

This command has completed successfully.

Items Requiring Explanation:

None.

Action to be Taken:

None.

Message:

```
No Matched Generic_id for this BWM.
```

Reason for Output:

This command has failed to find a matched generic_id between the CDSU database and HDR files.

Items Requiring Explanation:

None.

Action to be Taken:

1. Verify that the correct BWM type and number have been requested.
2. Verify that the update command **UPD:CDSUBWM** has been entered, not **UPD:BWM**.
3. Reenter the input command.

Message:

```
No BWM directory exist.
```

Reason for Output:

This command has failed to find the requested BWM in the **/etc/bwm** directory.

Items Requiring Explanation:

None.

Action to be Taken:

1. Verify that the correct BWM type and number have been requested.
2. Reenter the input command.

Message:

```
Invalid SCS/SCU/CDSU
```

Reason for Output:

This command has failed to find the requested SCS/SCU/CDSU in the CDSU database.

Items Requiring Explanation:

None.

Action to be Taken:

1. Verify that the correct SCS/SCU/CDSU has been requested.
2. Execute the **OP:CDSU** command to display the CDSU database. The output will indicate all recognized SCS/SCU/CDSU database entries. Verify that the correct SCS/SCU/CDSU has been requested.
3. Reenter the input command.

Message:

```
DB Error.
```

```
or
```

```
SCS <a>, SCU <b>, CDS <c> failed due to DB Error.
```

Reason for Output:

This command has failed to find the requested SCS/SCU/CDSU in the CDSU database.

Items Requiring Explanation:

- | | |
|---|-------------|
| a | SCS Number |
| b | SCU Number |
| c | CDSU Number |

Action to be Taken:

1. Verify that the correct SCS/SCU/CDSU has been requested.
2. If it has, execute the **OP:CDSU** command to display the CDSU database. The output will indicate all recognized SCS/SCU/CDSU database entries. Verify that the requested SCS/SCU/CDSU is in the CDSU database.
3. Reenter the input command.

Message:

```
Update DB Fail.
```

```
or
```

```
SCS <a>, SCU <b>, CDS <c> failed due to Update DB Fail.
```

Reason for Output:

This command has failed to update the requested SCS/SCU/CDSU in the CDSU database.

Items Requiring Explanation:

- | | |
|---|-------------|
| a | SCS Number |
| b | SCU Number |
| c | CDSU Number |

Action to be Taken:

1. Reenter the input command.
2. If this command failed the same way, contact the next level of support for assistance.

Message:

```
cds<xxxyz>: CDSU Access Fail.
```

or

```
SCS <a>, SCU <b>, CDS <c> failed due to CDSU Access Fail.
```

Reason for Output:

This command failed to get update permission from a CDSU.

Items Requiring Explanation:

xx	SCS Number
yy	SCU Number
z	CDSU Number
a	SCS Number
b	SCU Number
c	CDSU Number

Action to be Taken:

1. Verify that this CDSU's SCU has been removed from service.
2. Enter **OP:CDSU** to verify that the requested SCS/SCU/CDSU is in the CDSU database. If it is in the database, contact the next level of support. If it is not in the database, retry with the correct SCS/SCU/CDSU number.
3. Reenter this input command.

Message:

Requested BWM is not in perm'ed state.

or

SCS <a>, SCU , CDS <c> failed due to
Requested BWM is not in perm'ed state.

Reason for Output:

This command failed to BOLO the requested BWM because the requested BWM was not in the current permed state.

Items Requiring Explanation:

- | | |
|---|-------------|
| a | SCS Number |
| b | SCU Number |
| c | CDSU Number |

Action to be Taken:

None.

Message:

```
cds<xxxyz>: Can't do second BOLO before having  
another BWM perm'ed.
```

or

```
SCS <a>, SCU <b>, CDS <c> failed due to Can't do second  
BOLO before having another BWM perm'ed.
```

Reason for Output:

This command failed to BOLO the requested BWM because no other BWMs were applied and permed after the previous BOLO.

Items Requiring Explanation:

xx	SCS Number
yy	SCU Number
z	CDSU Number
a	SCS Number
b	SCU Number
c	CDSU Number

Action to be Taken:

None.

Message:

No response from this CDS.
But DataBase has been updated for this command.
Follow Recovery Procedure in TAP-162 of 201-525-016AC.

or

SCS <a>, SCU , CDS <c> failed due to No response from this CDS.
But DataBase has been updated for this command.
Follow Recovery Procedure in TAP-162 of 201-525-016AC.

Reason for Output:

This command failed to get a response from a CDSU after a "restart" or "reboot" was requested.

Items Requiring Explanation:

- a SCS Number
- b SCU Number
- c CDSU Number

Action to be Taken:

Contact the next level of support for assistance.

Message:

```
Error: <error>  
But DataBase has been updated for this command.  
Follow Recovery Procedure in TAP-162 of 201-525-016AC.
```

or

```
SCS <a>, SCU <b>, CDS <c> failed due to Error: Unknown State  
But DataBase has been updated for this command.  
Follow Recovery Procedure in TAP-162 of 201-525-016AC.
```

Reason for Output:

This command gets an error response from a CDSU after a "restart" or "reboot" was requested.

Items Requiring Explanation:

error	Error message from CDSU
a	SCS Number
b	SCU Number
c	CDSU Number

Action to be Taken:

Follow action(s) indicated in TAP-162 of 201-525-016AC, *AAP Maintenance, Diagnostics, and Trouble Clearing*, based on the error.

Message:

```
cds<xxxyz>: Mount CDSU Fail.  
(Please ensure proper CDSU connection).
```

or

```
SCS <a>, SCU <b>, CDS <c> failed due to Mount CDSU Fail.  
(Please ensure proper CDSU connection).
```

Reason for Output:

This command failed to mount a CDSU under **/cdsu**.

Items Requiring Explanation:

xx	SCS Number
yy	SCU Number
z	CDSU Number
a	SCS Number
b	SCU Number
c	CDSU Number

Action to be Taken:

1. Enter the **ping cdsxxxyz** UNIX system command using the "root" login to check if the cdsxxxyz is alive. If it is, continue with Step 2. If not, contact the next level of support.
2. Enter the **ps -aef | grep mount** UNIX system command using the "root" login to check if there is still a running process trying to mount a CDSU under **/cdsu**. If it is, kill the process.
3. Enter the **mount** UNIX system command using the "root" login to check if a CDSU is still mounted under **/cdsu**. If it is, do **umount /cdsu** to unmount it.
4. Reenter the input command.

Message:

```
cds<xxxyz>: Restore BWM Fail.
```

or

```
SCS <a>, SCU <b>, CDS <c> failed due to Restore BWM Fail.
```

Reason for Output:

This command failed to restore a CDSU back to the previous permed BWM.

Items Requiring Explanation:

xx	SCS Number
yy	SCU Number
z	CDSU Number
a	SCS Number
b	SCU Number
c	CDSU Number

Action to be Taken:

Contact the next level of support for assistance.

Message:

```
cds<xxxyz>: BWM data is corrupted.  
  
or  
  
SCS <a>, SCU <b>, CDS <c> failed due to BWM data is corrupted.
```

Reason for Output:

This command failed to find the mapfile under the requested BWM.

Items Requiring Explanation:

xx	SCS Number
yy	SCU Number
z	CDSU Number
a	SCS Number
b	SCU Number
c	CDSU Number

Action to be Taken:

Contact the next level of support for assistance.

Message:

```
cds<xxyyz>: : Unity DB constructor failed  
  
or  
  
SCS <a>, SCU <b>, CDS <c> failed due to Unity DB constructor  
failed.
```

Reason for Output:

This command has failed due to the lack of system resources.

Items Requiring Explanation:

xx	SCS Number
yy	SCU Number
z	CDSU Number
a	SCS Number
b	SCU Number
c	CDSU Number

Action to be Taken:

1. Reenter this input command.
2. If this command failed the same way, contact next level of support for assistance.

Message:

```
UPD:CDSUBWM:BOLO Aborted
```

Reason for Output:

The requested update command has failed on every or some of the specified CDSUs. The command will continue with the next valid CDSU until all specified CDSUs have been invoked.

Items Requiring Explanation:

None.

Action to be Taken:

None.

Message:

```
UPD:CDSUBWM:BOLO Stopped
```

Reason for Output:

If the BWM was for a single CDSU, the requested update command has failed on the specified CDSU.

If the BWM was for multiple CDSUs, the requested update command has failed on every or some of specified CDSUs. A detail of the failed/completed results will follow the "Stopped" message.

Items Requiring Explanation:

None.

Action to be Taken:

Examine the MML output message(s) that follow the "Stopped" message and take the action for that message as recommended in this document.

UPD:CDSUBWM:DISPLAY Message

Message:

```
UPD:CDSUBWM:DISPLAY In_Progress  
>>> Displaying SCS <a>, SCU <b>, CDS <c>: <<<
```

Reason for Output:

This command is in progress.

Items Requiring Explanation:

- | | |
|---|-------------|
| a | SCS Number |
| b | SCU Number |
| c | CDSU Number |

Action to be Taken:

None.

Message:

```
UPD:CDSUBWM:DISPLAY In_Progress  
Output--Part 1 of 2
```

```
      BWM Log File Output
```

```
-----  
<timestamp> <command> <update>
```

Reason for Output:

This command is in progress.

Items Requiring Explanation:

timestamp	Day, Month, Day of Month, Year, hour:minute:second, AM/PM
command	Update command
update	Software update number

Action to be Taken:

None.

Message:

```
UPD:CDSUBWM:DISPLAY In_Progress  
Output--Part 2 of 2
```

```
Entries in the /etc/bwm/cds<xyyz>/ directory:  
-----
```

```
<update>  
<update>  
<update>
```

```
Currently perm'd BWM is: <update>
```

```
Currently applied BWM is: <update>
```

Reason for Output:

This command is in progress.

Items Requiring Explanation:

xx	SCS Number
yy	SCU Number
z	CDSU Number
update	Software Update Number.

Action to be Taken:

None.

Message:

```
UPD:CDSUBWM:DISPLAY Completed
```

Reason for Output:

This command has completed successfully.

Items Requiring Explanation:

None.

Action to be Taken:

None.

Message:

```
Invalid SCS/SCU/CDSU
```

Reason for Output:

This command has failed to find the requested SCS/SCU/CDSU in the CDSU database.

Items Requiring Explanation:

None.

Action to be Taken:

1. Execute **OP:CDSU** command to display the CDSU database. The output will indicate all recognized SCS/SCU/CDSU database entries.
2. Verify that the correct SCS/SCU/CDSU has been requested.

Message:

```
UPD:CDSUBWM:DISPLAY Aborted
```

Reason for Output:

The requested update command has failed on every or some of the specified CDSUs. The command will continue with the next valid CDSU until all specified CDSUs have been invoked.

Items Requiring Explanation:

None.

Action to be Taken:

None.

Message:

```
UPD:CDSUBWM:DISPLAY Stopped
```

Reason for Output:

If the BWM was for a single CDSU, the requested update command has failed on the specified CDSU.

If the BWM was for multiple CDSUs, the requested update command has failed on every or some of specified CDSUs. A detail of the failed/completed results will follow the "Stopped" message.

Items Requiring Explanation:

None.

Action to be Taken:

Examine the MML output message(s) that follow the "Stopped" message and take the action for that message as recommended in this document.

UPD:CDSUBWM:PERM Message

Message:

```
UPD:CDSUBWM:PERM In_Progress  
Updating CDSU database for cds<xxyyz>...
```

Reason for Output:

The command is in progress.

Items Requiring Explanation:

xx	SCS Number
yy	SCU Number
z	CDSU Number

Action to be Taken:

None.

Message:

```
UPD:CDSUBWM:PERM In_Progress  
Check if a Pre_Perm'ed directory needs to be removed
```

Reason for Output:

The command is in progress.

Items Requiring Explanation:

None.

Action to be Taken:

None.

Message:

```
UPD:CDSUBWM:PERM Completed
```

Reason for Output:

This command has completed successfully.

Items Requiring Explanation:

None.

Action to be Taken:

None.

Message:

```
No Matched Generic_id for this BWM.
```

Reason for Output:

This command has failed to find a matched generic_id between the CDSU database and HDR files.

Items Requiring Explanation:

None.

Action to be Taken:

1. Verify that the correct BWM type and number have been requested. If they have, continue to the next step.
2. Verify that the update command **UPD:CDSUBWM** has been entered, not **UPD:BWM**. If **UPD:BWM** has been entered, continue to the next step.
3. Reenter this input command.

Message:

```
No BWM directory exist.
```

Reason for Output:

This command has failed to find the requested BWM in the **/etc/bwm** directory.

Items Requiring Explanation:

None.

Action to be Taken:

1. Verify that the correct BWM type and number have been requested. If they have, continue to the next step.
2. Verify that the update command **UPD:CDSUBWBM** has been entered, not **UPD:BWM**. If **UPD:BWM** has been entered, continue to the next step.
3. Make sure the requested BWM has been downloaded from SCANS to this machine.

Message:

```
Invalid SCS/SCU/CDSU
```

Reason for Output:

This command has failed to find the requested SCS/SCU/CDSU in the CDSU database.

Items Requiring Explanation:

None.

Action to be Taken:

1. Verify that the correct SCS/SCU/CDSU has been requested.
2. Execute **OP:CDSU** command to display the CDSU database. The output will indicate all recognized SCS/SCU/CDSU database entries. Verify that the correct SCS/SCU/CDSU has been requested.
3. Reenter this input command.

Message:

```
DB Error.
```

```
or
```

```
SCS <a>, SCU <b>, CDS <c> failed due to DB Error.
```

Reason for Output:

This command has failed to find the requested SCS/SCU/CDSU in the CDSU database.

Items Requiring Explanation:

- | | |
|---|-------------|
| a | SCS Number |
| b | SCU Number |
| c | CDSU Number |

Action to be Taken:

1. Verify that the correct SCS/SCU/CDSU has been requested.
2. If it has, execute **OP:CDSU** command to display the CDSU database. The output will indicate all recognized SCS/SCU/CDSU database entries. Verify that the requested SCS/SCU/CDSU is in the CDSU database.
3. Reenter the input command.

Message:

```
DB Update Error.
```

```
or
```

```
SCS <a>, SCU <b>, CDS <c> failed due to DB Update Error.
```

Reason for Output:

This command has failed to update the requested SCS/SCU/CDSU in the CDSU database.

Items Requiring Explanation:

- | | |
|---|-------------|
| a | SCS Number |
| b | SCU Number |
| c | CDSU Number |

Action to be Taken:

1. Reenter the input command.
2. If this command failed the same way, contact the next level of support for assistance.

Message:

BWM data is corrupted.

or

SCS <a>, SCU , CDS <c> failed due to BWM data is corrupted.

Reason for Output:

This command has failed to update the requested SCS/SCU/CDSU in the CDSU database.

Items Requiring Explanation:

- | | |
|---|-------------|
| a | SCS Number |
| b | SCU Number |
| c | CDSU Number |

Action to be Taken:

Contact the next level of support for assistance.

Message:

```
cds<xyz>: Requested BWM is not the current applied BWM, can't perm'd it.  
or  
SCS <a>, SCU <b>, CDS <c> failed due to Requested BWM is not the current  
applied BWM, can't perm'd it.
```

Reason for Output:

This command has failed because the requested BWM was not the current applied BWM and cannot be permed.

Items Requiring Explanation:

xx	SCS Number
yy	SCU Number
z	CDSU Number
a	SCS Number
b	SCU Number
c	CDSU Number

Action to be Taken:

None.

Message:

```
cds<xyyz>: Unity DB constructor failed  
  
or  
  
SCS <a>, SCU <b>, CDS <c> failed due to Unity DB constructor  
failed.
```

Reason for Output:

This command has failed due to the lack of system resources.

Items Requiring Explanation:

xx	SCS Number
yy	SCU Number
z	CDSU Number
a	SCS Number
b	SCU Number
c	CDSU Number

Action to be Taken:

1. Reenter this input command.
2. If this command failed the same way, contact next level of support for assistance.

Message:

```
UPD:CDSUBWM:PERM Aborted
```

Reason for Output:

The requested update command has failed on every or some of the specified CDSUs. The command will continue with the next valid CDSU until all specified CDSUs have been invoked.

Items Requiring Explanation:

None.

Action to be Taken:

None.

Message:

```
UPD:CDSUBWM:PERM Stopped
```

Reason for Output:

If the BWM was for a single CDSU, the requested update command has failed on the specified CDSU.

If the BWM was for multiple CDSUs, the requested update command has failed on every or some of specified CDSUs. A detail of the failed/completed results will follow the "Stopped" message.

Items Requiring Explanation:

None.

Action to be Taken:

Examine the MML output message(s) that follow the "Stopped" message and take the action for that message as recommended in this document.

UPD:CDSUBWM:RMV Message

Message:

```
UPD:CDSUBWM:RMV Completed
```

Reason for Output:

This command has completed successfully.

Items Requiring Explanation:

None.

Action to be Taken:

None.

Message:

```
No BWM directory exist.
```

Reason for Output:

This command has failed to find the requested BWM in **/etc/bwm** or **/etc/bwm/cdsxxxxx** directory.

Items Requiring Explanation:

None.

Action to be Taken:

1. Verify that the correct BWM type and number have been requested.
2. Make sure the requested BWM existed in this machine.

Message:

```
Invalid SCS/SCU/CDSU
```

Reason for Output:

This command has failed to find the requested SCS/SCU/CDSU in the CDSU database.

Items Requiring Explanation:

None.

Action to be Taken:

1. Execute **OP:CDSU** command to display the CDSU database. The output will indicate all recognized SCS/SCU/CDSU database entries.
2. Verify that the correct SCS/SCU/CDSU has been requested.

Message:

```
Remove BWM Fail.
```

```
or
```

```
SCS <a>, SCU <b>, CDS <c> failed due to Remove BWM Fail.
```

Reason for Output:

This command can fail with following reasons:

1. Requested update is the current applied BWM.
2. Requested update is the current permed BWM.
3. There was an error within the system call to remove the requested BWM.

Items Requiring Explanation:

- | | |
|---|-------------|
| a | SCS Number |
| b | SCU Number |
| c | CDSU Number |

Action to be Taken: If the failing reason is either 1 or 2 of the above "reasons", then no action is required.

Otherwise:

1. Reenter the input command again, if it still does not work,
2. Contact the next level of support for assistance.

Message:

```
UPD:CDSUBWM:RMV Aborted
```

Reason for Output:

The requested update command has failed on every or some of the specified CDSUs. The command will continue with the next valid CDSU until all specified CDSUs have been invoked.

Items Requiring Explanation:

None.

Action to be Taken:

None.

Message:

```
UPD:CDSUBWM:RMV Stopped
```

Reason for Output:

If the BWM was for a single CDSU, the requested update command has failed on the specified CDSU.

If the BWM was for multiple CDSUs, the requested update command has failed on every or some of specified CDSUs. A detail of the failed/completed results will follow the "Stopped" message.

Items Requiring Explanation:

None.

Action to be Taken:

Examine the MML output message(s) that follow the "Stopped" message and take the action for that message as recommended in this document.

UPD:CDSUBWM:VFY Message

Message:

```

UPD:CDSUBWM:VFY In_Progress
>>> Verifying update for cds<xyyz> <<<

          BYTE-COUNT          CHECKSUM
-----
FILE          HDR    SYSTEM    HDR    SYSTEM    STATUS
<filename>   <Hbytes> <Sbytes> <Hchksum> <Schksum> <Status>
<filename>   <Hbytes> <Sbytes> <Hchksum> <Schksum> <Status>
<filename>   <Hbytes> <Sbytes> <Hchksum> <Schksum> <Status>

```

Reason for Output:

This command is in progress.

Items Requiring Explanation:

update	Software Update Number
xx	SCS Number
yy	SCU Number
z	CDSU Number
filename	Name of the file to be verified
Hbytes	Byte count of the filename according to the HDR
Sbytes	Actual byte count of the filename
Hchksum	Checksum of the filename according to the HDR
Schksum	Actual checksum of the filename
Status	Not Found, Failed, or Found

Action to be Taken:

None.

Message:

```
UPD:CDSUBWM:VFY Completed
```

Reason for Output:

This command has completed successfully.

Items Requiring Explanation:

None.

Action to be Taken:

None.

Message:

```
No Matched Generic_id for this BWM.
```

Reason for Output:

This command has failed to find a matched generic_id between the CDSU database and HDR files.

Items Requiring Explanation:

None.

Action to be Taken:

Verify that the correct BWM type and number have been requested.

Message:

```
No BWM directory exist.
```

Reason for Output:

This command has failed to find the requested BWM in the `/etc/bwm` directory.

Items Requiring Explanation:

None.

Action to be Taken:

1. Verify that the correct BWM type and number have been requested.
2. Make sure the requested BWM has been downloaded from SCANs to this machine.

Message:

```
Invalid SCS/SCU/CDSU
```

Reason for Output:

This command has failed to find the requested SCS/SCU/CDSU in the CDSU database.

Items Requiring Explanation:

None.

Action to be Taken:

1. Execute **OP:CDSU** command to display the CDSU database. The output will indicate all recognized SCS/SCU/CDSU database entries.
2. Verify that the correct SCS/SCU/CDSU has been requested.

Message:

```
Verify BWM Fail.
```

```
or
```

```
SCS <a>, SCU <b>, CDS <c> failed due to Verify BWM Fail.
```

Reason for Output:

This command can fail with following reasons:

1. Error: Cannot open BWM directory
2. Error: Cannot open HDR file
3. Bad First line in HDR file
4. Bad BWM name in HDR file
5. Bad second line in HDR file
6. Bad NOF line in HDR file
7. Corrupted line in HDR file

Items Requiring Explanation:

- | | |
|---|-------------|
| a | SCS Number |
| b | SCU Number |
| c | CDSU Number |

Action to be Taken:

1. Remove the BWM.
2. Re-download the BWM from SCANS.

Message:

```
Create BWM Instance Fail.
```

```
or
```

```
SCS <a>, SCU <b>, CDS <c> failed due to  
Create BWM Instance Fail.
```

Reason for Output:

This command failed due to an error within the system call to create a BWM instance.

Items Requiring Explanation:

- | | |
|---|-------------|
| a | SCS Number |
| b | SCU Number |
| c | CDSU Number |

Action to be Taken:

1. Reenter the input command again.
2. If this command failed the same way, contact the next level of support for assistance.

Message:

```
UPD:CDSUBWM:VFY Aborted
```

Reason for Output:

The requested update command has failed on every or some of the specified CDSUs. The command will continue with the next valid CDSU until all specified CDSUs have been invoked.

Items Requiring Explanation:

None.

Action to be Taken:

None.

Message:

```
UPD:CDSUBWM:VFY Stopped
```

Reason for Output:

If the BWM was for a single CDSU, the requested update command has failed on the specified CDSU.

If the BWM was for multiple CDSUs, the requested update command has failed on every or some of specified CDSUs. A detail of the failed/completed results will follow the "Stopped" message.

Items Requiring Explanation:

None.

Action to be Taken:

Examine the MML output message(s) that follow the "Stopped" message and take the action for that message as recommended in this document.

SCU COPY Messages

SCUCOPY:ABORT Message

Message:

```
SCUCOPY:ABORT Completed  
Abort Sent
```

Reason for Output:

Result of input command. An abort has been sent to any SCUCOPY command running.

Items Requiring Explanation:

None.

Action to be Taken:

None.

Message:

```
SCUCOPY:ABORT Not Started  
Abort Failed, Retry Later.
```

Reason for Output:

Result of input command. System failure while trying to process abort.

Items Requiring Explanation:

None.

Action to be Taken:

Retry command.

SCUCOPY:COMPARE Completed Message

Message:

```
SCUCOPY:COMPARE Completed  
Compare found 0 total errors
```

Reason for Output:

Result of input command. Compare completed, no difference found.

Items Requiring Explanation:

None.

Action to be Taken:

None.

Message:

```
SCUCOPY:COMPARE Completed  
Compare found 12 total errors
```

Reason for Output:

Result of input command. Compare completed, 12 differences found.
Differences are printed on previous output message.

Items Requiring Explanation:

None.

Action to be Taken:

None.

Message:

```
SCUCOPY:COMPARE In Progress
SCS SCU  Annc Len  Checksum Vers Ram | SCS SCU  Annc Len  Checksum Vers Ram
  0  2   5420  25 455E219C 0001  0 |  0  4   5420  26 32ED6AB8 0101  0
  0  2  33981 231 90EC33F1 0101  0 |  1  4  33981 231 52AC4D76 0001  0
```

Reason for Output:

Result of input command. Printout of differences found during compare.

Items Requiring Explanation:

None.

Action to be Taken:

None.

Message:

```
SCUCOPY:COMPARE Not Started
Another ScuCopy is currently executing
```

Reason for Output:

Result of input command. Only one SCUCOPY is allowed to be running at a time.

Items Requiring Explanation:

None.

Action to be Taken:

Use SCUCOPY:ABORT if the other command should be stopped.

Message:

```
SCUCOPY:COMPARE Not Started  
Database update failed, Retry Later
```

Reason for Output:

Result of input command. The attempt to update the SCUEQP database failed.

Items Requiring Explanation:

None.

Action to be Taken:

Retry the command later.

Message:

```
SCUCOPY:COMPARE Stopped  
Memory Allocate Failed, Retry Later
```

Reason for Output:

Result of input command. A system failure occurred.

Items Requiring Explanation:

None.

Action to be Taken:

Retry the command later.

Message:

```
SCUCOPY:COMPARE Stopped  
Message Transfer Failed, Retry Later
```

Reason for Output:

Result of input command. A system failure occurred.

Items Requiring Explanation:

None.

Action to be Taken:

Retry the command later.

Message:

```
SCUCOPY:COMPARE Stopped  
Process Communication Failed, Retry Later
```

Reason for Output:

Result of input command. A system failure occurred.

Items Requiring Explanation:

None.

Action to be Taken:

Retry the command later.

Message:

```
SCUCOPY:COMPARE Stopped  
Timeout accessing SCUs for Statistics
```

Reason for Output:

Result of input command. The SCS/SCU listed did not respond to a statistics request.

Items Requiring Explanation:

None.

Action to be Taken:

1. Check that the SCUs are In Service from the 4ESS switch.
2. Retry the command. Use the SCUCOPY:UPDATE command to avoid re-copying announcements.

Message:

```
SCUCOPY:COMPARE Stopped  
Failure Accessing SCU for statistics
```

Reason for Output:

Result of input command The SCS/SCU listed did not respond to a statistics request.

Items Requiring Explanation:

None.

Action to be Taken:

1. Make sure that the SCS and SCU parameters for source and destination are correct.
2. Check that the SCUs are In Service from the 4ESS switch.
3. Check that the LANCMD software in AAP is Active.
4. Check the the LAN Links in AAP is Active.
5. Retry the command.

Message:

```
SCUCOPY:COMPARE Stopped  
Failure Accessing SCU for Statistics  
Use SCUCOPY:UPDATE to complete the copy
```

Reason for Output:

Result of input command. The SCS/SCU listed did not respond to a statistics request on a subsequent pass through the announcements.

Items Requiring Explanation:

None.

Action to be Taken:

1. Check that the SCUs are In Service from the 4ESS switch.
2. Check that LANCMD software in AAP is Active.
3. Check that LAN Links in AAP is Active.
4. Retry the command using the UPDATE command option.

Message:

```
SCUCOPY:COMPARE Aborted  
Timeout accessing SCUs for Statistics
```

Reason for Output:

Result of input command The SCS/SCU listed did not respond to a statistics request.

Items Requiring Explanation:

None.

Action to be Taken:

1. Make sure the SCS and SCU parameters for source and destination are correct.
2. Check that the SCUs are In Service from the 4ESS switch.
3. Check that LANCMD software in AAP is Active.
4. Check that LAN Links in AAP is Active.
5. Retry the command.

Message:

```
SCUCOPY:COMPARE Aborted  
Process Manually Aborted
```

Reason for Output:

Result of SCUCOPY:ABORT being issued.

Items Requiring Explanation:

None.

Action to be Taken:

None.

SCUCOPY:COPY Completed Message

Message:

```
SCUCOPY:COPY Completed
```

Reason for Output:

Result of input command. SCUCOPY completed.

Items Requiring Explanation:

None.

Action to be Taken:

None.

Message:

```
SCUCOPY:COPY In Progress  
SCU Copy from SCS 0, SCU 1 to SCS 0, SCU4, 55% Completed Successfully  
Pass 1:      32402 Pass,          0 Failed  
SCU Copy In Progress
```

Reason for Output:

Result of input command. Status message on Copy progress, output every 15 minutes.

Items Requiring Explanation:

55%	This is the percentage of copies that have completed successfully overall, based on the original number of copies needed to be performed when the job started.
-----	--

Action to be Taken:

None.

Message:

```
SCUCOPY:COPY In Progress
SCU Copy from SCS 0, SCU 2 to SCS 1, SCU2, 100% Completed Successfully
Pass 1:      32444 Pass,      22 Failed
Pass 2:      22 Pass,        0 Failed
SCU Copy Completed , Successfully
```

Reason for Output:

Result of input command. Status message on Copy at successful Completion of job.

Items Requiring Explanation:

None.

Action to be Taken:

None.

Message:

```
SCUCOPY:COPY In Progress
SCU Copy from SCS 0, SCU3 to SCS 0, SCU 1 82% Completed Successfully
Pass 1:      32000 Pass,      32000 Failed
Pass 2:      10000 Pass,      22000 Failed
Pass 3:      11000 Pass,      11000 Failed
SCU Copy Completed, Partially Successful
```

Reason for Output:

Result of input command. Status message on Copy at unsuccessful Completion of job.

Items Requiring Explanation:

None.

Action to be Taken:

None.

Message:

```
SCUCOPY:COPY Not Started  
Another ScuCopy is currently executing
```

Reason for Output:

Result of input command. Only one SCUCOPY is allowed to be running at a time.

Items Requiring Explanation:

None.

Action to be Taken:

Use SCUCOPY:ABORT if the other command should be stopped.

Message:

```
SCUCOPY:COPY Not Started  
Database update failed, Retry Later
```

Reason for Output:

Result of input command. The attempt to update the SCUEQP database failed.

Items Requiring Explanation:

None.

Action to be Taken:

Retry the command later.

Message:

```
SCUCOPY:COPY Stopped  
Memory Allocate Failed, Retry Later
```

Reason for Output:

Result of input command. A system failure occurred.

Items Requiring Explanation:

None.

Action to be Taken:

Retry the command later.

Message:

```
SCUCOPY:COPY Stopped  
Message Transfer Failed, Retry Later
```

Reason for Output:

Result of input command. A system failure occurred.

Items Requiring Explanation:

None.

Action to be Taken:

Retry the command later.

Message:

```
SCUCOPY:COPY Stopped  
Process Communication Failed, Retry Later
```

Reason for Output:

Result of input command. A system failure occurred.

Items Requiring Explanation:

None.

Action to be Taken:

Retry the command later.

Message:

```
SCUCOPY:COPY Stopped  
Timeout accessing SCUs for Statistics
```

Reason for Output:

Result of input command. The SCS/SCU listed did not respond to a statistics request.

Items Requiring Explanation:

None.

Action to be Taken:

1. Check that the SCUs are In Service from the 4ESS Switch.
2. Retry the command. Use the SCUCOPY:UPDATE command to avoid re-copying announcements.

Message:

```
SCUCOPY: COPY Stopped  
Failure Accessing SCU for statistics
```

Reason for Output:

Result of input command. The SCS/SCU listed did not respond to a statistics request.

Items Requiring Explanation:

None.

Action to be Taken:

1. Make sure that the SCS and SCU parameters for source and destination are correct.
2. Check that the SCUs are In Service from the 4ESS switch.
3. Check that the LANCMD software in AAP is Active.
4. Check the the LAN Links in AAP is Active.
5. Retry the command.

Message:

```
SCUCOPY:COPY Stopped  
Failure Accessing SCU for Statistics  
Use SCUCOPY:UPDATE to complete the copy
```

Reason for Output:

Result of input command. The SCS/SCU listed did not respond to a statistics request on a subsequent pass through the announcements.

Items Requiring Explanation:

None.

Action to be Taken:

1. Check that the SCUs are In Service from the 4ESS switch.
2. Check that LANCMD software in AAP is Active.
3. Check that LAN Links in AAP is Active.
4. Retry the command using the UPDATE command option.

Message:

```
SCUCOPY:COPY Stopped  
Announcements exist on Dest. SCU in range of Copy.  
Remove Announcements or use SCUCOPY:UPDATE option.
```

Reason for Output:

Result of input command. In SCUCOPY:COPY, announcements may not exist on destination SCU within the range of the Copy.

Warning: This message could be the result of reversing the source and destination SCUs in the input command.

Items Requiring Explanation:

None.

Action to be Taken:

Either remove the announcements off the Destination SCU or use SCUCOPY:UPDATE to make the Destination SCU look like the Source SCU.

Message:

```
SCUCOPY:COPY Stopped  
Failed to get Announcement status on Pass PASS, Retry Later  
Use SCUCOPY:UPDATE to complete the copy
```

Reason for Output:

Result of input command. System error while attempting to get statistics from SCUs.

Items Requiring Explanation:

PASS Pass through the data (1, 2, or 3).

Action to be Taken:

Retry using SCUCOPY:UPDATE.

Message:

```
SCUCOPY:COPY Aborted  
Timeout accessing SCUs for Statistics
```

Reason for Output:

Result of input command The SCS/SCU listed did not respond to a statistics request.

Items Requiring Explanation:

None.

Action to be Taken:

1. Make sure the SCS and SCU parameters for source and destination are correct.
2. Check that the SCUs are In Service from the 4ESS switch.
3. Check that LANCMD software in AAP is Active.
4. Check that LAN Links in AAP is Active.
5. Retry the command.

Message:

```
SCUCOPY:COPY Aborted  
Process Manually Aborted
```

Reason for Output:

Result of SCUCOPY:ABORT being issued.

Items Requiring Explanation:

None.

Action to be Taken:

None.

Message:

```
SCUCOPY:COPY Aborted
SCU Copy from SCS 1, SCU 1 to SCS 0, SCU 9, 2% Completed Successfully
Pass 1: 1403 Pass, 1844 Failed
SCU Copy Aborted
```

Reason for Output:

Result of input command. Status message on Copy after Aborted.

Items Requiring Explanation

None.

Action to be taken:

None.

Message:

```
SCUCOPY:COPY Aborted
ScuCopy Job Error Threshold Exceeded, Aborting ScuCopy
```

Reason for Output:

Result of input command. Too many copy attempts failed to continue processing.

Items Requiring Explanation:

None.

Action to be Taken:

1. Check that the SCUs are In Service from the 4ESS switch.
2. Check that LANCMD software in AAP is Active.
3. Check that LAN Links in AAP is Active.
4. Retry using SCUCOPY:UPDATE.

SCUCOPY:UPDATE Completed Message

Message:

```
SCUCOPY:UPDATE Completed
```

Reason for Output:

Result of input command. SCUCOPY completed.

Items Requiring Explanation:

None.

Action to be Taken:

None.

Message:

```
SCUCOPY:UPDATE In Progress  
SCU Copy from SCS 0, SCU 1 to SCS 0, SCU4, 55% Completed Successfully  
Pass 1:      32402 Pass,          0 Failed  
SCU Copy In Progress
```

Reason for Output:

Result of input command. Status message on Copy progress, output every 15 minutes.

Items Requiring Explanation:

55%	This is the percentage of copies that have completed successfully overall, based on the original number of copies needed to be performed when the job started.
-----	--

Action to be Taken:

None.

Message:

```
SCUCOPY:UPDATE In Progress
SCU Copy from SCS 0, SCU 2 to SCS 1, SCU2, 100% Completed Successfully
Pass 1:      32444 Pass,      22 Failed
Pass 2:      22 Pass,      0 Failed
SCU Copy Completed , Successfully
```

Reason for Output:

Result of input command. Status message on Copy at successful Completion of job.

Items Requiring Explanation:

None.

Action to be Taken:

None.

Message:

```
SCUCOPY:UPDATE In Progress
SCU Copy from SCS 0, SCU3 to SCS 0, SCU 1 82% Completed Successfully
Pass 1:      32000 Pass,      32000 Failed
Pass 2:      10000 Pass,      22000 Failed
Pass 3:      11000 Pass,      11000 Failed
SCU Copy Completed, Partially Successful
```

Reason for Output:

Result of input command. Status message on Copy at unsuccessful Completion of job.

Items Requiring Explanation:

None.

Action to be Taken:

None.

Message:

```
SCUCOPY:UPDATE Not Started  
Another ScuCopy is currently executing
```

Reason for Output:

Result of input command. Only one SCUCOPY is allowed to be running at a time.

Items Requiring Explanation:

None.

Action to be Taken:

Use SCUCOPY:ABORT if the other command should be stopped.

Message:

```
SCUCOPY:UPDATE Not Started  
Database update failed, Retry Later
```

Reason for Output:

Result of input command. The attempt to update the SCUEQP database failed.

Items Requiring Explanation:

None.

Action to be Taken:

Retry the command later.

Message:

```
SCUCOPY:UPDATE Stopped  
Memory Allocate Failed, Retry Later
```

Reason for Output:

Result of input command. A system failure occurred.

Items Requiring Explanation:

None.

Action to be Taken:

Retry the command later.

Message:

```
SCUCOPY:UPDATE Stopped  
Message Transfer Failed, Retry Later
```

Reason for Output:

Result of input command. A system failure occurred.

Items Requiring Explanation:

None.

Action to be Taken:

Retry the command later.

Message:

```
SCUCOPY:UPDATE Stopped  
Process Communication Failed, Retry Later
```

Reason for Output:

Result of input command. A system failure occurred.

Items Requiring Explanation:

None.

Action to be Taken:

Retry the command later.

Message:

```
SCUCOPY:UPDATE Stopped  
Timeout accessing SCUs for Statistics
```

Reason for Output:

Result of input command. The SCS/SCU listed did not respond to a statistics request.

Items Requiring Explanation:

None.

Action to be Taken:

1. Check that the SCUs are In Service from the 4ESS switch.
2. Retry the command. Use the SCUCOPY:UPDATE command to avoid re-copying announcements.

Message:

```
SCUCOPY:UPDATE Stopped  
Failure Accessing SCU for statistics
```

Reason for Output:

Result of input command. The SCS/SCU listed did not respond to a statistics request.

Items Requiring Explanation:

None.

Action to be Taken:

1. Make sure that the SCS and SCU parameters for source and destination are correct.
2. Check that the SCUs are In Service from the 4ESS switch.
3. Check that the LANCMD software in AAP is Active.
4. Check the the LAN Links in AAP is Active.
5. Retry the command.

Message:

```
SCUCOPY:UPDATE Stopped  
Failure Accessing SCU for Statistics  
Use SCUCOPY:UPDATE to complete the copy
```

Reason for Output:

Result of input command. The SCS/SCU listed did not respond to a statistics request on a subsequent pass through the announcements.

Items Requiring Explanation:

None.

Action to be Taken:

1. Check that the SCUs are In Service from the 4ESS switch.
2. Check that LANCMD software in AAP is Active.
3. Check that LAN Links in AAP is Active.
4. Retry the command using the UPDATE command option.

Message:

```
SCUCOPY:UPDATE Stopped  
Failed to get Announcement status on Pass PASS, Retry Later  
Use SCUCOPY:UPDATE to complete the copy
```

Reason for Output:

Result of input command. System error while attempting to get statistics from SCUs.

Items Requiring Explanation:

PASS Pass through the data (1, 2, or 3).

Action to be Taken:

Retry using SCUCOPY:UPDATE.

Message:

```
SCUCOPY:UPDATE Aborted  
Timeout accessing SCUs for Statistics
```

Reason for Output:

Result of input command The SCS/SCU listed did not respond to a statistics request.

Items Requiring Explanation:

None.

Action to be Taken:

1. Make sure the SCS and SCU parameters for source and destination are correct.
2. Check that the SCUs are In Service from the 4ESS switch.
3. Check that LANCMD software in AAP is Active.
4. Check that LAN Links in AAP is Active.
5. Retry the command.

Message:

```
SCUCOPY:UPDATE Aborted  
Process Manually Aborted
```

Reason for Output:

Result of SCUCOPY:ABORT being issued.

Items Requiring Explanation:

None.

Action to be Taken:

None.

Message:

```
SCUCOPY:UPDATE Aborted
SCU Copy from SCS 1, SCU 1 to SCS 0, SCU 9, 2% Completed Successfully
Pass 1: 1403 Pass, 1844 Failed
SCU Copy Aborted
```

Reason for Output:

Result of input command. Status message on Copy after Aborted.

Items Requiring Explanation

None.

Action to be taken:

None.

Message:

```
SCUCOPY:UPDATE Aborted
ScuCopy Job Error Threshold Exceeded, Aborting ScuCopy
```

Reason for Output:

Result of input command. Too many copy attempts failed to continue processing.

Items Requiring Explanation:

None.

Action to be Taken:

1. Check that the SCUs are In Service from the 4ESS switch.
2. Check that LANCMD software in AAP is Active.
3. Check that LAN Links in AAP is Active.
4. Retry using SCUCOPY:UPDATE.

Verify Messages

ANNC:VER:MODE1 Message

Message:

```

VER:MODE1 ANNSET a[ SCS b SCU c][ [DETL][ UCL]] ANN {f|f-g} results
TOTAL SCUs ATTEMPTED 2

ANNOUNCEMENT INFORMATION - CORRECT DATA
-----
ANN   LENSUCU  DISK  RAM   ANNVER      CRC
1     6         0     0     TEST  1B6E7BEC
65535  8         0     0     TEST  2448EF57

ANNOUNCEMENT INFORMATION - ERROR DATA
-----
ANN   LENSUCU  SCS   SCU   DISK  RAM   ANNVER      CRC
2     -         0     2     -     -     -         -
2     16        0     1     0     0     TEST  46EDE3B8
mh/dy/yr  hh:mm:ss  tz   #nnn

```

Reason for Output:

Result of input command.

Items Requiring Explanation:

VER:MODE1 ANNSET Body of input message.

a[SCS b SCU c][[DETL]
[UCL]] ANN {f|f-g}

TOTAL SCUs ATTEMPTED The total number of SCUs that were successfully
polled for information.

header ANN—Announcement ID (single value 1-65535).

LENSUCU—Announcement length (single value
0-255 in SCU seconds).

SCS—Service Circuit System (single value 0-7).

SCU—Service Circuit Unit number (single value 0-
15).

DISK—Disk pair (single value 0-3).

RAM—Announcement in announcement memory (0
= NO, 1 = YES).

	ANNVER—Announcement Version (4 characters).
	CRC—Announcement checksum.
results	Completed—The output from the verification of an announcement or range of announcements in the Announcement Set has completed.
	IP (In Progress)—Request received and initiated. Further output will follow.
	PF (Printout Follows)—An output message will follow.
	CONT (Continues)—This is a continuation of a previous output message.
	Errors—See Appendix A for a listing of the error codes.
mh/dy/yr	Date (month/day/year).
hh:mm:ss tz	Time (hour:minute:second) and time zone.
#nnn	Message sequence number (0-999).

Action to be Taken:

None.

ANNC:VER:MODE2 Message

Message:

```
VER:MODE2 ANNSET a[ SCS b SCU c][ FILE "e"] ANN f results  
mh/dy/yr hh:mm:ss tz #nnn
```

Reason for Output:

Result of input command.

Items Requiring Explanation:

VER:MODE2 ANNSET a[SCS b SCU c][FILE "e" ANN f results	Body of input message. Completed—The announcement in the Announcement Set has played to the speaker/handset or was copied to the specified file. IP (In Progress)—Request received and initiated. Further output will follow. Errors—See Appendix A for a listing of the error codes.
mh/dy/yr	Date (month/day/year).
hh:mm:ss tz	Time (hour:minute:second) and time zone.
#nnn	Message sequence number (0-999).

Action to be Taken:

None.

ANNC:VER:MODE3 Message

Message:

```
VER:MODE3 ANNSET a[ SCS b SCU c][ [DETL][ UCL]] ANN {f|f-g} results
TOTAL SCUs ATTEMPTED 2
```

```
ANNOUNCEMENT INFORMATION - CORRECT DATA
```

```
-----
ANN   LENSUCU  DISK  RAM  ANNVER      CRC
   1         6    0    0    TEST  1B6E7BEC
65535         8    0    0    TEST  2448EF57
```

```
ANNOUNCEMENT INFORMATION - ERROR DATA
```

```
-----
ANN   LENSUCU  SCS   SCU  DISK  RAM  ANNVER      CRC
   2         -    0    2     -    -     -         -
   2        16    0    1     0    0    TEST  46EDE3B8
mh/dy/yr hh:mm:ss tz  #nnn
```

Reason for Output:

Result of input command.

Items Requiring Explanation:

VER:MODE3 ANNSET Body of input message.
a[SCS b SCU c][[DETL]
[UCL]] ANN {f|f-g}

Database header

ANN—Announcement ID (single value 1-65535).

LENSUCU—Announcement length (single value 0-255 in SCU seconds).

SCS—Service Circuit System number (single value 0-7).

SCU—Service Circuit Unit number (single value 0-15).

DISK—Disk pair (single value 0-3).

RAM—Announcement in announcement memory (0 = NO, 1 = YES).

ANNVER—Announcement Version (4 characters).

CRC—Announcement checksum.

results Completed—The output from the verification of an announcement or range of announcements in the Announcement Set has completed.

 IP (In Progress)—Request received and initiated. Further output will follow.

 PF (Printout Follows)—An output message will follow.

 CONT (Continues)—This is a continuation of a previous output message.

 Errors—See Appendix A for a listing of the error codes.

mh/dy/yr Date (month/day/year).

hh:mm:ss tz Time (hour:minute:second) and time zone.

#nnn Message sequence number (0-999).

Action to be Taken:

None.

ANNC:VER:MODE4 Message

Message:

```

VER:MODE4 ANNSET a[ SCS b SCU c][ UCL] ANN {d|d-e} results
TOTAL SCUs ATTEMPTED 3

ANNOUNCEMENT INFORMATION - ERROR DATA
-----
ANN  BYTECOUNT  SCS  SCU  ERROR
  1      2048      0   1
  1      2048      0   2  CONTENT
  1      4096      0   3  LENGTH
mh/dy/yr  hh:mm:ss  tz  #nnn

```

Reason for Output:

Result of input command.

Items Requiring Explanation:

VER:MODE4 ANNSET Body of input message.
a[SCS b SCU c] [UCL]
ANN {d|d-e}

TOTAL SCUs ATTEMPTED The total number of SCUs that were successfully
polled for information.

results Completed—The announcement in the
Announcement Set has been verified.

IP (In Progress)—Request received and initiated.
Further output will follow.

CONT (Continues)—This is a continuation of a
previous output message.

Errors—See Appendix A for a listing of the error
codes.

mh/dy/yr Date (month/day/year).

hh:mm:ss tz Time (hour:minute:second) and time zone.

#nnn Message sequence number (0-999).

Action to be Taken:

None.

ANNC:VER:MODE6 Message

Message:

```

VER:MODE6[ SCS b SCU c][ [DETL][ UCL]] AA {e|e-f} results
TOTAL SCUs ATTEMPTED 2

ANNOUNCEMENT MAPPING ADDRESS INFORMATION - CORRECT DATA
-----
AA   ANN
 1   1001
 3   1003

ANNOUNCEMENT MAPPING ADDRESS INFORMATION - ERROR DATA
-----
AA   ANN   SCS   SCU
 2   1020   0     2
 2   1020   0     1
mh/dy/yr hh:mm:ss tz #nnn

```

Reason for Output:

Result of input command.

Items Requiring Explanation:

VER:MODE6[SCS b SCU c][[DETL] [UCL]] AA {e e-f}	Body of input message.
TOTAL SCUs ATTEMPTED	The total number of SCUs that were successfully polled for information.
header	AA. Announcement mapping address (single value 1-511). ANN. Announcement ID (single value 1-65535). SCS. Service Circuit Unit number (single value 0-15).
results	Completed—The output from the verification of an Announcement Mapping Address or range of Announcement Mapping Addresses has completed. IP (In Progress)—Request received and initiated. Further output will follow. PF (Printout Follows)—An output message will follow.

CONT (Continues)—This is a continuation of a previous output message.

Errors—See Appendix A for a listing of the error codes.

mh/dy/yr

Date (month/day/year).

hh:mm:ss tz

Time (hour:minute:second) and time zone.

#nnn

Message sequence number (0-999).

Action to be Taken:

None.

Various Autonomous Output Messages

Message:

```
AAP Board x Out of service
```

Reason for Output:

The named board is now out of service and cannot be used by the AAP software. In the case of the Central Site audio board, this means the entire audio subsystem is out of service. In the case of the PRI (T1) board, service is degraded but not eliminated as long as at least one PRI board remains in service.

Items Requiring Explanation:

x audio0, pri0, pri1, pri2, pri3, pri4

Action to be Taken:

For the audio board, see TAP-116, and for the ISDN/PRI, see TAP-111, in 201-525-016AC, *AAP Maintenance, Diagnostics, and Trouble Clearing*.

Message:

```
AAP Board x returned to service
```

Reason for Output:

The named board has returned to service and can now be used by the AAP software.

Items Requiring Explanation:

x audio0, pri0, pri1, pri2, pri3, pri4

Action to be Taken:

None.

Message:

```
AAP Terminated T108 Test Call on B-Channel x
```

Reason for Output:

The AAP has terminated the T108 test call upon expiration of the T108 automatic disconnect timer.

Items Requiring Explanation:

x ISDN B-Channel being tested (1-23)

Action to be Taken:

The network will normally terminate the T108 test call once the facility has been verified. The AAP maintains an automatic disconnect timer that will terminate the non-inverted digital loopback if the timer expires prior to the network terminating the test call. This timer is maintained to ensure that the channel will not be left in a maintenance state for an indefinite period of time. The default value for this timer is set to 20 minutes. If a longer test is required, the timer is provisionable through DLP-559 in 201-525-016AC, *AAP Maintenance, Diagnostics, and Trouble Clearing*.

Message:

All SCUs in SET x are out of service for updates

Reason for Output:

The named SET has no active SCUs, so the AAP will refuse all further updates to the SET until at least one SCU comes back into service for updates.

Items Requiring Explanation:

x SET number

Action to be Taken:

See TAP-102 in 201-525-016AC, *AAP Maintenance, Diagnostics, and Trouble Clearing*.

Message:

All System Software Processes Running

Reason for Output:

System software that was previously down is back running.

Items Requiring Explanation:

None.

Action to be Taken:

None.

Message:

```
Bad database, system is not fault tolerant.
```

Reason for Output:

Of the pair of databases that track such filesystem activity as mirroring, one pair is inaccessible or out of date. This leaves the system in a non-fault tolerant state. This normally occurs if one of the system disks is down.

Items Requiring Explanation:

None.

Action to be Taken:

If a system disk or SCSI controller is down or being brought back online by the RST:AAPBD command, this is normal and should be cleared by entering RST:AAPBD. If not, escalate to the next level of support.

Message:

```
Bad database, vold is currently not accessible.
```

Reason for Output:

The system's filesystem databases that control access to the filesystem and mirroring are corrupted. The level of corruption for this message is so bad that the system process vold cannot access the information.

Items Requiring Explanation:

None.

Action to be Taken:

Escalate immediately. The system may still be usable and fixable in this state, but it can get worse.

Message:

```
CAUCS Maintenance link x detected out of service
```

Reason for Output:

The maintenance link from the AAP to CAUCS through SPx has had three consecutive timeouts occur on the regular heartbeats exchanged with CAUCS. In this condition, the CAUCS/AAP maintenance interface will continue to operate over the other channel.

Items Requiring Explanation:

x 0 or 1

Action to be Taken:

See TAP-103 in 201-525-016AC, *AAP Maintenance, Diagnostics, and Trouble Clearing*.

Message:

```
CAUCS Maintenance links 0 and 1 detected in service
```

Reason for Output:

Both maintenance links from the AAP to CAUCS have exchanged heartbeat packets, and are communicating and ready for service again.

Items Requiring Explanation:

None.

Action to be Taken:

None.

Message:

```
CAUCS Maintenance links 0 and 1 detected out of service
```

Reason for Output:

Both maintenance links from the AAP to CAUCS have experienced three consecutive timeouts of their heartbeat packets. In this condition, the AAP and CAUCS are no longer communicating.

Items Requiring Explanation:

None.

Action to be Taken:

See TAP-117 in 201-525-016AC, *AAP Maintenance, Diagnostics, and Trouble Clearing*.

Message:

```
CAUCS Update link x detected out of service
```

Reason for Output:

The link from the Central Site AAP to CAUCS through SPx has had three consecutive timeouts occur on the regular heartbeats exchanged with CAUCS. In this condition, the CAUCS/AAP interface will continue to operate over the other channel.

Items Requiring Explanation:

x 0 or 1

Action to be Taken:

See TAP-103 in 201-525-016AC, *AAP Maintenance, Diagnostics, and Trouble Clearing*.

Message:

```
CAUCS Update links 0 and 1 detected in service
```

Reason for Output:

Both links from the Central Site AAP to CAUCS have exchanged heartbeat packets, and are communicating and ready for service again.

Items Requiring Explanation:

None.

Action to be Taken:

None.

Message:

```
CAUCS Update links 0 and 1 detected out of service
```

Reason for Output:

Both links from the Central Site AAP to CAUCS have experienced three consecutive timeouts of their heartbeat packets. In this condition, the AAP and CAUCS are no longer communicating.

Items Requiring Explanation:

None.

Action to be Taken:

See TAP-117 in 201-525-016AC, *AAP Maintenance, Diagnostics, and Trouble Clearing*.

Message:

Database corruption is detected

Reason for Output:

An audit has found that at least one entry in a database is either out of range or is invalid with respect to other entries.

Items Requiring Explanation:

None.

Action to be Taken:

See TAP-155 in 201-525-016AC, *AAP Maintenance, Diagnostics, and Trouble Clearing*.

Message:

Dead process is detected

Reason for Output:

An audit has detected a process which has not responded to a heartbeat request.

Items Requiring Explanation:

None.

Action to be Taken:

Use the PDS command `OP:LOG` to find the logged error message related to this audit failure. Use TAP-151 in 201-525-016AC, *AAP Maintenance, Diagnostics, and Trouble Clearing*, to resolve the problem related to the error.

Message:

Filesystems almost have no free disk space

or

Filesystem almost has no free disk space

Reason for Output:

An audit has found that one or more filesystems are getting low on disk space.

Items Requiring Explanation:

File system(s) File system name

Action to be Taken:

See TAP-119 in 201-525-016AC, *AAP Maintenance, Diagnostics, and Trouble Clearing*.

Message:

Filesystems have low free disk space

or

Filesystem has low free disk space

Reason for Output:

An audit has found that one or more filesystems are practically out of free disk space.

Items Requiring Explanation:

File system(s) File system name

Action to be Taken:

See TAP-105 in 201-525-016AC, *AAP Maintenance, Diagnostics, and Trouble Clearing*.

Message:

```
Inter SCU audit failure, audit type x, key y
```

Reason for Output:

An audit of the announcements on the SCUs has found an inconsistency between SCUs that are supposed to be identical.

Items Requiring Explanation:

x	Audit type
y	Database key

Action to be Taken:

Contact AFSC.

Message:

```
Midas interface broken.
```

Reason for Output:

The software that manages the hardware components gets information about the status of the hardware from a system process known as Midas. This message indicates the link from the Midas process has gone away.

Items Requiring Explanation:

None.

Action to be Taken:

There is another process watching the health of the system software processes. If this condition persists for more than 20 minutes, escalate to the next level of support.

Message:

Midas interface is active.

Reason for Output:

The software that manages the hardware components gets information about the status of the hardware from a system process known as Midas. This message indicates the link from the Midas process has been re-established.

Items Requiring Explanation:

None.

Action to be Taken:

None.

Message:

Mirrored disk failure.

Reason for Output:

Some section of a pair of disks is not properly mirrored. This usually happens as a result of either a SCSI board or disk unit going out of service.

Items Requiring Explanation:

None.

Action to be Taken:

If this is due to the SCSI or disk being out of service, fix the out-of-service problem. Otherwise, escalate to the next level of support.

Message:

Mirrored disk pair in online.

Reason for Output:

The audit software has checked all disks and subsections of the disks and found them all to be properly mirrored.

Items Requiring Explanation:

None.

Action to be Taken:

None.

Message:

Multiple x AAP PRI Boards Out of service

Reason for Output:

ISDN PRI (T1) service is either seriously degraded or eliminated. This service applies to Central Site to Field Site communications and BWM transfer from SCANS.

Items Requiring Explanation:

x Number of PRI Boards

Action to be Taken:

See TAP-124 in 201-525-016AC, *AAP Maintenance, Diagnostics, and Trouble Clearing*.

Message:

Network Terminated T108 Test Call on B-Channel x

Reason for Output:

The network has terminated the T108 test call.

Items Requiring Explanation:

x ISDN B-Channel being tested (1-23)

Action to be Taken:

None.

Message:

```
PM reporting AAP Operational startup failure
```

Reason for Output:

The process that starts/restarts the AAP operational software has reported a failure to start the operational software. This means all SCU and announcement related activity is not operational.

Items Requiring Explanation:

None.

Action to be Taken:

If this problem repeats, use the EAI page to enter **32** then **53** to reboot the AAP. If the problem persists after the reboot, escalate to the next higher level.

Message:

```
Process Group x in service
```

Reason for Output:

The AAP operational software is divided into operational process groups. This message reports that a group previously out of service is now back operational.

Items Requiring Explanation:

x Process Group name

Action to be Taken:

None.

Message:

```
Process Group x manually out of service
```

Reason for Output:

The AAP operational software is divided into operational process groups. This message reports that a process group has gone out of service either by input message or through an automatic means, such as a board being detected out of service.

Items Requiring Explanation:

x Process group name

Action to be Taken:

None. If this was not initiated by a technician, then there should be another message indicating another problem, such as a board out of service.

Message:

```
Process Group x out of service
```

Reason for Output:

The AAP operational software is divided into operational process groups. This message reports that a process group has gone out of service. The AAP software will attempt to restart it.

Items Requiring Explanation:

x Process group name

Action to be Taken:

The automatic action of restarting the subsystem will clear most problems. If this message persists for more than 30 minutes, there is some other problem. In this case, use the MML message `INIT:AAP:APPL;` to clear the problem. If this fails to clear the problem, and there are no other problem indications to track down, escalate to the next higher level.

Message:

```
SCS x SCU y disabled for updates
```

Reason for Output:

The named SCU has been automatically disabled for updates by the AAP software. This happens when an update for an SCU is scheduled but cannot be completed due to specific conditions on the SCU that will not allow the update to complete without some manual intervention. An example of such a condition is a record to an SCU where that SCU already has an announcement with that number. This condition will block all updates to that SCU until cleared manually (in this case, by removing the announcement first).

Items Requiring Explanation:

x	SCS member number
y	SCU member number

Action to be Taken:

See TAP-112 in 201-525-016AC, *AAP Maintenance, Diagnostics, and Trouble Clearing*.

Message:

```
SCS x SCU y in service for updates
```

Reason for Output:

The named SCU has been brought back into service for updates and will now be included in all updates to the SET. Any pending updates for the SCU saved by the AAP have been applied.

Items Requiring Explanation:

x	SCS member number
y	SCU member number

Action to be Taken:

None.

Message:

```
SCS x SCU y out of service for updates
```

Reason for Output:

The named SCU has failed to respond to a periodic heartbeat, and will not be included in updates until it again responds to a heartbeat. Any updates for this SCU that are applied to other SCUs in the SET will be saved by the AAP and automatically applied when the SCU is brought back into service for updates.

Items Requiring Explanation:

x	SCS member number
y	SCU member number

Action to be Taken:

See TAP-102 in 201-525-016AC, *AAP Maintenance, Diagnostics, and Trouble Clearing*.

Message:

```
SCU LAN link x detected in service in active state
```

Reason for Output:

The heartbeat has been detected over the named AAP LAN link, and the LAN link named has been made the ACTIVE link.

Items Requiring Explanation:

x	0 or 1
---	--------

Action to be Taken:

None.

Message:

```
SCU LAN link x detected in service in standby state
```

Reason for Output:

The heartbeat has been detected over the named AAP LAN link, and the LAN link named has been made the STANDBY link.

Items Requiring Explanation:

x 0 or 1

Action to be Taken:

None.

Message:

```
SCU LAN link x detected out of service
```

Reason for Output:

The AAP software has detected that all the SCUs are not responding to heartbeats over the named AAP hardware link to the LAN.

Items Requiring Explanation:

x 0 or 1

Action to be Taken:

Check to see if any AAP ENET boards are out of service. If so, see TAP-110 in 201-525-016AC, *AAP Maintenance, Diagnostics, and Trouble Clearing*.

If this persists for more than 15 minutes as one LAN link out of service, and no ENET board is out of service, it is probably the connection from the ENET board to the LAN. Check that the cable and transceiver are all plugged in.

Message:

```
SCU LAN links 0 and 1 detected out of service
```

Reason for Output:

The AAP software has detected that all the SCUs are not responding to heartbeats over either AAP hardware link to the LAN. This could mean that all SCUs are out of service, that the LAN is inhibited at the 1B, that the LAN cable is disconnected or broken, or that both AAP LAN interface cards are broken or disabled.

Items Requiring Explanation:

None.

Action to be Taken:

Check to see if the 4ESS switch side has gotten a LAN Inhibited Alarm. If so, see TAP-134 in 201-525-016AC, *AAP Maintenance, Diagnostics, and Trouble Clearing*.

Check to see if the 4ESS switch side has gotten alarms due to SCUs being out of service. If so, wait for the SCUs to be brought back into service. If the LAN is inhibited at the switch side, TAP-134 will need to be followed.

Check to see if any AAP ENET boards are out of service. If so, see TAP-110 or TAP-123.

Otherwise, use TAP-134 and TAP-135 to resolve the problem.

Message:

```
SET x in service for updates, some SCUs not responding
```

Reason for Output:

The named SET is now able to be updated, for it has one SCU back in service for updates. However, all SCUs are not yet back in service for updates.

Items Requiring Explanation:

x SET name

Action to be Taken:

See TAP-102 in 201-525-016AC, *AAP Maintenance, Diagnostics, and Trouble Clearing*.

Message:

```
SET x totally in service for updates
```

Reason for Output:

All SCUs in the named SET have been brought back into service for updates.

Items Requiring Explanation:

x SET name

Action to be Taken:

None.

Message:

```
System Software Component x could not be restarted
```

Reason for Output:

UNIX system software has been detected down, and the attempt to restart it has failed.

Items Requiring Explanation:

x Component name

Action to be Taken:

Use the EAI page to enter **32**, then **53** to reboot the AAP. If the problem persists after the reboot, escalate to the next higher level.

Message:

```
System Software Component x restarted
```

Reason for Output:

This message says that some UNIX system software was found not running, and the AAP application software is making an attempt to restart the system software.

Items Requiring Explanation:

x Component name

Action to be Taken:

None.

Message:

T1 Alarm Condition

Reason for Output:

One of the T1 interfaces has detected a T1 alarm condition on the line.

Items Requiring Explanation:

None.

Action to be Taken:

See TAP-160 in 201-525-016AC, *AAP Maintenance, Diagnostics, and Trouble Clearing*.

Message:

T1 Alarm Condition Cleared

Reason for Output:

A previously detected T1 alarm condition has been cleared.

Items Requiring Explanation:

None.

Action to be Taken:

None.

Message:

```
The SCU in SET x is out of service for updates
```

Reason for Output:

The only SCU in the named SET is not active, so the AAP will refuse all further updates to the SET until that SCU comes back into service for updates.

Items Requiring Explanation:

x SET name

Action to be Taken:

See TAP-102 in 201-525-016AC, *AAP Maintenance, Diagnostics, and Trouble Clearing*.

Message:

```
T108 Test Call Established on B-Channel x
```

Reason for Output:

The network has established a T108 test call. This test call is used to verify the continuity and performance of the ISDN facility.

Items Requiring Explanation:

x ISDN B-Channel being tested (1-23)

Action to be Taken:

None.

Other Hardware-Related Messages

Most hardware-related messages have a similar 2-line format. The first line identifies the hardware component and its current (new) state. The second line gives some indication of what has happened.

The various components are as follows:

memA and memC:	Global memory boards
cpuA, cpuB, and cpuC:	CPUs
iop0 and iop1	I/O Processor boards
enet0 and enet1	LAN controller boards
scsi0 and scsi1	Disk/tape SCSI controllers
audio0	Central Site Audio board
pri0, pri1, pri2, pri3, and pri4	ISDN controller boards
sp0 and sp1	Service Processors
fanA, fanB, fanC, fanD, fanE, and fanF	Fans
disk0, disk1, disk2, and disk6	Disk drives
tape4	Tape drive
pwrA, pwrB, pwrC, and pwrD	Power converters
dkpair0	Indicates when the disks are mirrored
midas	Input stream indicating hardware status

When a component goes into a new state, this is often enough information to determine what action to take. The various states and appropriate actions are as follows:

- **MOOS** — (Manually Out Of Service) This board is out of service due to technician intervention, such as `RMV:AAPBD`. No new action is indicated by this message.
- **OOS** — (Out Of Service) The board has probably encountered an error causing the system software to take the board down. Use the component to find the appropriate TAP for clearing a component OOS Alarm.
- **Online** — (On line) This is the normal state. No action necessary.
- **Unequipped** — (Not detected in the system) Treat this as component OOS. Note that this usually means the board has been pulled from the system.

- **Init** — (Initializing on the way to On-line) This is a normal state for some of the system components to go through when coming on-line. No action is necessary.
- **Degraded** — (Still operating but in degraded mode) This state is used by the fans to indicate that one fan is down, but the remaining fans are still keeping the system cool. The fan that is out should be replaced immediately. A second fan failure here could cause the system to power down.

The second line of a hardware-related message may be as follows:

Message:

```
Component down by user request.
```

Reason for Output:

A user took the component out of service.

Items Requiring Explanation:

None.

Action to be Taken:

None.

Message:

```
Component failure.
```

Reason for Output:

The system software has detected a problem with a component and has declared it failed.

Items Requiring Explanation:

None.

Action to be Taken:

Find the appropriate TAP in 201-525-016AC, *AAP Maintenance, Diagnostics, and Trouble Clearing*, for clearing an OOS Alarm for that component.

Message:

```
Component has changed state.
```

Reason for Output:

This message just indicates the state change.

Items Requiring Explanation:

None.

Action to be Taken:

See the previously described list of states and required actions.

Message:

```
Component is initializing.
```

Reason for Output:

The transition from OOS to On-line for this component goes through a State call Init, and this Component is in the Init State.

Items Requiring Explanation:

None.

Action to be Taken:

None.

Message:

Component is no longer degraded.

Reason for Output:

The degrading condition has been cleared.

Items Requiring Explanation:

None.

Action to be Taken:

None.

Message:

Component is online.

Reason for Output:

The component has come back on-line.

Items Requiring Explanation:

None.

Action to be Taken:

None.

Message:

Component is working but degraded.

Reason for Output:

Generally this is a state indicating that one fan unit is not operational and the other fans have gone to a high-speed setting to compensate.

Items Requiring Explanation:

None.

Action to be Taken:

Find the appropriate TAP in 201-525-016AC, *AAP Maintenance, Diagnostics, and Trouble Clearing*, for clearing an OOS Alarm for that component.

Message:

Component online by user request.

Reason for Output:

A user put the component back on-line.

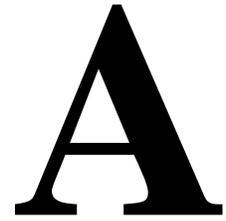
Items Requiring Explanation:

None.

Action to be Taken:

None.

Output Messages Appended Information



Purpose of This Appendix

Occasionally, the output message results may be appended with additional information. When provided, this appended information consists of a 4-digit number and a brief one-line statement identifying the problem. This appendix is a numerical listing of each 4-digit number and its identifying description. A detailed explanation and recommended possible corrective actions can be found in 201-525-016AC, *AAP Maintenance, Diagnostics, and Trouble Clearing*.

Numerical Listing of Appended Information

Information Item
, #1100 Announcement record failed
, #1101 No SCUs responded
, #1102 All SCUs failed or did not respond
, #1103 Announcement does not exist
, #1104 Announcement version match error
, #1105 ISDN access error
, #1106 Audio board access error
, #1107 SCU mismatch error
, #1108 SCU or LAN checksum error
, #1109 SCU or LAN length error
, #1110 ASN invalid to this type SCU
, #1111 Parameter invalid
, #1112 SCU or LAN protocol error
, #1113 Internal software error

Information Item
, #1114 Internal software error
, #1115 Resource busy
, #1116 SCU time-out
, #1117 Internal software error
, #1118 File access error
, #1119 LAN access error
, #1120 Multiple responses from SCU
, #1121 RMI message invalid
, #1122 RMI access error
, #1123 UNIX system call or memory allocate error
, #1124 Announcement status error
, #1125 SCU reported system error
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Output for Autonomous Messages

B

Purpose of This Appendix

Autonomous messages, when generated, are exclusively the result of a particular system activity and not the result of any user input message. Therefore, the "Priority of action" field, which is the first two spaces of the output message, is always blank. The output message header and body of the output message are unique for each autonomous message.

A01 Local Operation Performed

An assign (ASN:ANN), copy (COPY:ANN), record (RCD:ANN), remove (RMV:ANN), or replace (RPLC:ANN) has been performed. The details of the operation performed are saved in the Local Operations database. Use the OP:LOCAL input message to output this information.

A02 ISDN board #1 located in machine #1 is operational.

Response to input message OP:ISDN. The specified ISDN board is operational in the specified machine.

A03 ISDN board #2 located in machine #1 is not operational.

Response to input message OP:ISDN. The specified ISDN board is not operational in the specified machine.

A04 Central Site Bcaster Process Status

Response to input message OP:BCASTER. A table displaying each Bcaster process and its status will follow this message.

A05 ISDN Board Status

Response to input message OP:ISDN. A table displaying each ISDN board and its status will follow this message.

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