

297-8001-100

DMS-100 Family

# North American DMS-100 OAM&P Change Document

Reference Manual

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LEC0017 Preliminary 12.04 April 2002



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Reference Manual

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# Contents

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# Publication history

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# About this document

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## ATTENTION

This document contains the features for the OAM&P Change Document Reference Manual. Since this document is preliminary, additional features are expected to be added, modified, or deleted. Also, additional features are expected to be added to the next software load.

## When to use this document

This document provides preliminary operations, administration, maintenance, and provisioning (OAM&P) information for the Product Computing-Module Load (PCL) software release. This document contains changes in the feature functionality from the last release to this release. Information in this document is believed accurate at the time of publication, but is subject to change.

Use of this document must be restricted to resource planning and estimating for this software load. Do not use this document to make changes to any existing software.

## How this document is organized

Each chapter in this document describes OAM&P additions, changes, and deletions associated with PCL acceptance activities according to the following design release units (DRU):

- BAS17 and BAS18 - Base
- CCM16 and CCM17 - DMS-100 Common
- CNA16 and CNA17 - DMS-100 North America
- SHR16 and SHR17 - Shared
- TL16 and TL17 - Telecom
- XPM16 and XPM17 - Extended Peripheral Module

Tables that contain all the deleted data schema (DS) tables, office parameters (OP), operational measurements (OM) groups, command interfaces (CI),

alarms (AL), service order (SO) commands, SO options, logs (LG), software optionality controls (SOC), and automatic messaging accounting (AMA) records are at the end of the appropriate chapters.

*Note:* For detailed AMA information, refer to the following: *Automatic Message Accounting Reference Manual, 297-8001-830*; *Automatic Message Accounting Bulletin, 297-8001-830B*.

The chapter “Summary of changes” provides a table of features that lists OAM&P content for this release. The chapter “Feature descriptions” gives a short synopsis of all new or changed features for this release. The chapter “Cross-references” provides a table that lists each feature functional group and ordering code.

## How this document is organized

The version and issue of the document are indicated by numbers, for example, 01.01.

The first two digits indicate the version. The version number increases each time the document is updated to support a new software release. For example, the first release of the document is 01.01. In the next software release cycle, the first release of the same document is 02.01.

The second two digits indicate the issue. The issue number increases each time the document is revised but re-released in the same software release cycle. For example, the second release of the document in the same software release cycle is 01.02.

This document is written for all DMS-100 Family offices. More than one version of this document can exist. To determine whether you have the latest version of this document and how documentation for your product is organized, check the release information in *Product Documentation Directory, 297-8991-001*.

## References in this document

The following documents are referred to in this document:

- *North American DMS-100 Automatic Message Accounting Reference Manual, 297-8001-830*
- *Product Documentation Directory, 297-8991-001*

# 1 Summary of changes

The following table summarizes all features with operation, administration, maintenance, and provisioning (OAM&P) content changed from the last release to this release. Use the following guidelines to interpret data in the table.

- Feature information is PRELIMINARY and is subject to change as design efforts continue.
- Features are listed alphanumerically.
- (See <ACTID>) included in the “Feature number” column indicates that the actual design information for that feature is contained in another feature document with a different feature number.

### Example

A59006629 (see A59006440)

This example indicates that the design document for A59006629 is empty and that the actual design information is contained in the design document for A59006440.

- The term, command interface (CI), replaces the following terms: user interface (UI), man-machine interface (MMI), and human-machine interface (HMI).
- A “Y” in a column indicates that changes were made to that feature section though there is not always information for a module.

**Table 1-1 Summary of changes for NA016 and NA017**

Feature number	DRU	DS	OP	OM	CI	AL	SO	LG	SOC	AMA	Feature name
A59027196	CCM 16							Y			ASU Tap Fault Threshold Log
A59028609 see A59037100	CNA 16		Y	Y	Y				Y	Y	Timeout Requested Event

1-2 Summary of changes

Table 1-1 Summary of changes for NA016 and NA017

Feature number	DRU	DS	OP	OM	CI	AL	SO	LG	SOC	AMA	Feature name
A59028621	CNA 16				Y				Y		STR-Connection Timer
A59028631 see A59037100	CNA 16			Y	Y				Y	Y	AIN:O_Disconnect Event
A59028643	CNA 16	Y			Y				Y	Y	Carrier Support for Send To Resource/Send To Resource(STR) Response Translations Modifications
A59028697	SHR 16			Y	Y			Y			Enhancement to Cancel To (CANT), Cancel From (CANF), SKIP and Flexible ReRoute (FRR) Controls
A59028729	CCM 16	Y					Y				FLASHING ANI Enhancements and WLS911 Enhancements
A59028955	CCM 16	Y									ICM Route Call Msg Enhancement For Customized Display
A59029017	CCM 16	Y									FNPACONT Data Call Routing
A59029045	CCM 16	Y									Extended Calling Services(ECS) Enhancement Service
A59029627	CNA 16	Y						Y			E911: Log and ISUP Enhancements
A59030406	CCM 16										OM's for Series Completion (SCMP) Lines

Table 1-1 Summary of changes for NA016 and NA017

Feature number	DRU	DS	OP	OM	CI	AL	SO	LG	SOC	AMA	Feature name
A59030419	CCM 17	Y					Y		Y		SimRing Virtual DN
A59030434	CNA 16								Y		Talking Call Waiting Enhancement
A59033985	SHR 17	Y									PRI 1 Way Trunks
A59035336	SHR 17	Y									PRI Translation Enhancements
A59036223/ A59036234	CNA 17				Y				Y		Geodetic Location Parameter in AIN Triggers/Geodetic Location Parameter in TAT Trigger
A59037100/ A59037082	CNA 17		Y		Y			Y	Y		AIN Timeout Phase II/ AIN Disconnect Phase II
A59037130	CNA 17								Y		Advanced Intelligent Network Scope Change Tool
A59037140	CNA 17			Y	Y			Y	Y	Y	AIN: Connect To Resource



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## 2 Feature descriptions

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### Introduction

The following provides a brief description of each feature in this software load that impacts data schema tables, office parameter groups, operational measurement, command interfaces, alarms, service order commands, service order options, log reports, software optionality controls, or automatic message accounting records.

*Note:* Additional features are provided in the software load. The following descriptions are only applicable to those features with visible user impact. For descriptions of any additional features, refer to the following: *Feature Description Manual, 297-8021-801*.

### A59027196

#### ASU Tap Fault Threshold Log

This feature will add functionality to count 'ASU no reply threshold' logs against each ASU and NIU unit and it will output a warning log if ten of the aforementioned tap faults occur on one ASU or NIU unit in a twelve hour period.

#### Limitations and restrictions

Unchanged

### A59028609

#### Timeout Requested Event

See A59037100.

### A59028621

#### STR-Connection Timer

This activity adds functionality. The maximum duration of connectivity to the IP is determined by the TSTRCTimer parameter in the STR message.

**Limitations and restrictions**

The additional limitation is:

- There are some Transition (NA015 and previous Verses NA016) limitation with respect to TSTRC timer control for Remote IP cases.

**A59028631**

**AIN:O\_Disconnect Event**

See A59037100.

**A59028643**

**Carrier Support for Send To Resource/Send To Resource(STR) Response Translations Modifications**

This activity will introduce on the SSP, the support for Carrier, Alternate Carrier, and Second Alternate Carrier in the Send\_To\_Resource message. This activity will also implement a new translation pattern for processing the Destination Address.

**Limitations and restrictions**

None

**A59028697**

**Enhancement to Cancel To (CANT), Cancel From (CANF), SKIP and Flexible ReRoute (FRR) Controls**

This feature activity supports enhanced CANT, CANF, SKIP and CSR controls for TDM trunks only.

**Limitations and restrictions**

None

**A59028729**

**FLASHING ANI Enhancements and WLS911 Enhancements**

This sub-feature will enhance the current FLASHING ANI capability to include calls that get overflowed from one PSAP to another when all members are busy.

**Limitations and restrictions**

None

**A59028955**

**ICM Route Call Msg Enhancement For Customized Display**

In CCM16 this activity intends to enhance the present Display functionality of ACD Agent , by adding a new parameter (DISPLAY\_TEXT) in the DV\_ROUTE\_CALL message. This new field DISPLAY\_TEXT will be optional and it can contain a maximum of 15 characters.

**Limitations and restrictions**

All the limitations and restrictions that apply to the ACDDISP (AD1131) feature apply to this feature also in addition to the following:

- When a call is offered to an agent using dv-route-call, and if that call goes to another route, overflow, etc, display will be name and number of the called party only and not the content of display\_text. Also, the content of display\_text will not be displayed when a dv\_route\_call with display\_text is sent to route the call over a trunk to an ACD group.
- The display\_text in the route\_call message can contain a maximum of 15 chars only.

**A59029017****FNPACONT Data Call Routing**

This activity introduces a new subtable, RTEMAP in table FNPACONT, to provide additional bearer capability routing for Foreign NPA Translation. RTEMAP simplifies the translation by eliminating the requirement to index into the OFRx/IBNRTx table.

**Limitations and restrictions**

None

**A59029045****Extended Calling Services(ECS) Enhancement Service**

This feature provides the customer with following enhancements: the option ECSDENY in table MUMRTAB to block ECS calls, TRAVER development to display the MUMR billing tables: MUMRTAB and MUMRMBI, and CallP and TRAVER support for the option ECSDENY.

**Limitations and restrictions**

0 - calls will not be blocked since the information in the dialled digits will not convey the information whether the call is ECS or not.

**A59029627****E911: Log and ISUP Enhancements**

The goal of this feature is to address several E911 Log issues and provide enhancements to the existing E911 Log software. Further, it introduces a new trunk option to allow ISUP IT trunks with E911 option to carry non-911 traffic.

**Limitations and restrictions**

None

## **A59030406**

### **OM's for Series Completion (SCMP) Lines**

This activity creates a multi tuple SCMP OM group for Series Completion (SCMP) Lines. SCMP OM Group has three OM Registers namely SCMPOVFL (SCMP overflow), SCMPATT(SCMP attempt) and SCMPANSR (SCMP Answer). This activity, AT.59030406 is designed for CNA market.

### **Limitations and restrictions**

None

## **A59030419**

### **SimRing Virtual DN**

Currently, SimRing is assigned as a line option to an existing subscriber's line that has a DN and a line card assignment. This feature will allow the SimRing option to be added to a DN that does not have a physical line card appearance on the switch (it will be known as a Virtual DN or VDN).

### **Limitations and restrictions**

The same limitations and restrictions that apply to SimRing (AJ4934) apply to this feature. In addition to those limitations and restrictions, this feature introduces the following:

- Since the VDN Pilot has no physical appearance, the VDN itself will not ring, nor can it answer or originate calls.
- Since the VDN Pilot cannot ring, this feature only supports a maximum of 4 locations (the 4 NPMDNs) ringing simultaneously.
- Since the VDN Pilot cannot originate calls, the VDN cannot be used to make administrative changes to the SimRing group, i.e. it cannot change the PIN number, nor add/remove NPMDNs, nor activate/deactivate SimRing. All administrative changes must be done remotely through DISA.
- When the SimRing VDN is called and its member are actively ringing it cannot receive new calls. Therefore, an originator who calls a VDN Pilot whose members are currently ringing will receive busy treatment.
- The SimRing user interface will always prompt for a SimRing PIN when the pilot DN is virtual. This cannot be controlled via office parm as is the case with physical SimRing.
- The end user cannot make administrative changes to a SimRing VDN group without the SimRing SLE announcement package and associated datafill available. See appendix A for more information on SimRing SLE setup.
- The end user cannot change a SimRing VDN PIN without operating company assistance. The operating company can change the PIN via the Servord CHF command.

- The SimRing VDN SOC (ordercode RES00085) must be active for call processing to function for SimRing VDN groups.
- The SimRing VDN SOC must be active in order to perform administrative changes to SimRing VDN groups through the SimRing User Interface.
- The SimRing VDN SOC is not required to perform Servord and table control manipulation of SimRing VDN data.

## **A59030406**

### **Talking Call Waiting Enhancement**

The current implementation of TCW does not provide the audible name to a subscriber when a DSCWID/SCWID Customer Premise Equipment (CPE) is used. This feature will remove this restriction and allow subscribers with DSCWID/SCWID CPEs to receive the audible name associated with the TCW feature and the standard caller identification.

#### **Limitations and restrictions**

None

## **A59033985**

### **PRI 1 Way Trunks**

This feature provides a cost effective way to transport only PRI outbound traffic to an Internet Service Provider(ISP) by using ISDN Primary Rate Interface (PRI) links.

#### **Limitations and restrictions**

Not applicable.

## **A59035336**

### **PRI Translation Enhancements**

The SG selector can be extended to have a call-type option. When the SG selector is encountered, the call type will be changed to the new call-type associated with the parameter. (In much the same way as the ISA selector currently operates).

#### **Limitations and restrictions**

This feature is only intended to modify the calltype information for PRI trunks only, and specifically NTNA and NI2 variants only. Other trunk types are not supported.

## **A59036223/59036234**

### **Geodetic Location Parameter in AIN Triggers/Geodetic Location Parameter in TAT Trigger**

The activity will enhance the AIN Service Enablers functionality to support the Generic Digits List Parameter and the Calling Geodetic Location

Parameter in the *TAT query* messages. The activity will also enhance the AIN Service Enablers functionality to support the Generic Digits List Parameter and the Calling Geodetic Location Parameter in all *Info\_Analyzed query* messages.

#### **Limitations and restrictions**

This is an additional condition under which, the CGLP and the GDLP will not be sent out in the TDP-R query:

- The call was setup with signalling other than SS7, (e.g. ISDN Call Setup message, PTS), and therefore parameters were not received in the incoming signalling.

### **A59037100/A59037082**

#### **AIN Timeout Phase II/AIN Disconnect Phase II**

This feature is an enhancement of Timeout (59028609) and O\_Disconnect/O\_Disconnect\_Called (59028631) features. This activity will support new timeout timer parameters and new messages for Timeout EDP-R.

#### **Limitations and restrictions**

The additional limitations are:

- If Timeout in OCM is armed in an established conference, and the Timeout timer expires, if an Analyze Route, Collect Information, or Send To Resource response is received in response to the timer expiry, and this response tries to tearforward the conference controller, an unexpected communication is sent from the SSP to the SCP.
- AnalyzeRoute, ForwardCall, CollectInfo and SendToResource response processing is not supported in passive leg (that is inactive leg)Timeout.

### **A59037130**

#### **Advanced Intelligent Network Scope Change Tool**

This activity implements AIN Scope Change Tool(AINSCT). This tool converts the existing line based subscription of PFC/SFC trigger in TRIGITM and TRIGGRP data models to customer group based subscription in TRIGITM data model.

#### **Limitations and restrictions**

The following are the limitations of the tool.

- Convert sub-command will not add AINDENY and will print a warning message conveying the same if all of the following conditions are satisfied: an agent belongs to that customer group, the agent has no individual subscription to the PFC/SFC trigger entered by operating company

personnel, and the agent also has maximum number of AINDENYs subscribed on it.

- The AINSCT tool will not have a provision to undo the changes incurred due to use of this tool. Any changes required has to be done manually.
- If the AINGRP entered in the CONVERT sub-command is associated with PFC/SFC and CDPCODE trigger, then only the PFC/SFC trigger is added to the RES GROUP. The CDPCODE trigger is not provisioned to the RES GROUP as CDPCODE trigger is incompatible to RES group.
- Duplicate entries can be created in table TRIGITM during execution of CONVERT command in TRIGGRP data model . This occurs if the CONVERT command is executed for same TRIGGRP/TRIGDIG entries in 2 different sessions of AINSCT tool. This can be avoided by executing the CONVERT command in the above scenario in the same AINSCT session.

## **A59037140**

### **AIN: Connect To Resource**

This activity implements the functionality for the Service Switching Point (DMS-100 SSP) to process the Connect\_To\_Resource (CTR) message. The Connect\_To\_Resource message is returned in response to a midcall trigger/event to connect a user (in talking state) to a resource. CTR response is supported only for Timeout and O-Disconnect events.

#### **Limitations and restrictions**

The limitations are:

- This activity supports CTR message processing only for Internal Resource
- This activity supports CTR message received in response only Timeout, O\_Disconnect and O\_DisconnectCalled queries.



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## 3 New data schema tables

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### Introduction

This chapter describes DMS-100 data schema (DS) tables introduced by this release.

## **PRI1WAY (A59033985)**

---

### **Table name**

PRI1WAY

### **Table status**

New

### **Feature number and name**

A59033985 - PRI 1 Way Trunks

### **Table description**

New table PRI1WAY provides a mechanism allowing PRI trunks to behave as outbound trunks. This table carries entries of peripherals like SPM, DTCL, LTCs on which PRI trunks are required to act as terminators only. ISUP, PTS, and other trunks types are not impacted by entry in this table.

### **Field information**

<b>Feature</b>	<b>Field name</b>	<b>Range</b>
A59033985	Node Type	Type of Node (PMNAME)
A59033985	Node Id	Node Number

### **Field description**

A description of new or changed fields is as follows:

- Node Type: This entry has type of node e.g. DTCL, LTC, SPM.
- Node Id: This has ext pm no.

### **Datafill sequence**

Table MNNODE and LTCPSINV needs to be provisioned before datafill for this table.

### **Table sizing**

<b>Minimum size</b>	<b>Maximum size</b>	<b>CC restart type required to increase size</b>
0	511	None

---

**PRI1WAY (A59033985)** (end)

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**Dump and restore**

Not applicable

**Activation**

Not applicable

## **STRATTRS (A59028643)**

---

### **Table name**

STRATTRS

### **Table status**

New

### **Feature number and name**

A59028643 - Carrier Support for Send To Resource/Send To Resource(STR)  
Response Translations Modifications

### **Table description**

A new table STRATTRS is introduced, which provides Line Attributes for the translation of Destination Address provided in the Send\_To\_Resource Interaction message.

### **Field information**

<b>Feature</b>	<b>Field name</b>	<b>Range</b>
A59028643	DESTADDR	Vector of 10 digits (10 {N,1,2,3,4,5,6,7,8,9,0,B,C,D,E,F}'S )
A59028643	LINEATTR	alphanumeric (1-16 chars)
A59028643	XLAPLAN	alphanumeric (1-16 chars)
A59028643	RATEAREA	alphanumeric (1-16 chars)
A59028643	BILLING	N, Y

### **Field description**

A description of new or changed fields is as follows:

- **DESTADDR:** This is a Directory Number associated with the Remote IP and can be a vector of 10 digits.
- **LINEATTR:** Line attribute index as defined in table LINEATTR.
- **XLAPLAN:** XLAPLAN line attributes index to identify the translations plan as defined in table XLAPLAN.

**STRATTRS (A59028643)** (end)

- **RATEAREA:** RATEAREA line attributes index to identify the RATEAREA line attributes as defined in table RATEAREA.
- **BILLING:** This is a **BOOLEAN** value (Y or N) used to determine the AMA record generation for STR Translations functionality.

**Datafill sequence**

The key of the table STRATTRS in the Destination Address, which is a vector of 10 digits (10 {N,1,2,3,4,5,6,7,8,9,0,B,C,D,E,F}'S). The table must be datafilled in the following sequence.

- DESTINATION ADDRESS
- LINE ATTRIBUTE INDEX
- XLAPLAN
- RATEAREA
- BILLING

**Table sizing**

Minimum size	Maximum size	CC restart type required to increase size
0	Depends on the number of IPs that can be configured.	None

**Dump and restore**

Not applicable

**Activation**

Not applicable



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## 4 Changed data schema tables

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### Introduction

This chapter describes DMS-100 data schema (DS) tables modified by this release.

## ACRTE (A59035336)

---

### Table name

ACRTE

### Table status

Changed

### Feature number and name

A59035336 - PRI Translation Enhancements

### Table description

Addition of optional CALLTYPE field and subfields for route selector SG. As CALLTYPE (and sub-options) is an optional field, there is **no default value**.

### Field information

Feature	Field name	Range
A59035336	CALLTYPE	PUBLIC, PRIVATE, WATS, ASDS, LDS, FOREIGN EXCHANGE, TIE, INWATS
A59035336	OATYPE	NONE, 0M, 0P
A59035336	TNS	0 TO 999, N, C
A59035336	NPOS	N, Y
A59035336	ZONE	<zone>
A59035336	NPI	E164 and PVT
A59035336	CARRIER	<carrier name>
A59035336	FACNUM	0 TO 1023

### Field description

A description of new or changed fields is as follows:

- CALLTYPE: Type of call.
- OATYPE: Operator Access Type.
- TNS: Transit Network Selector.
- NPOS: Has N and Y values.

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**ACRTE (A59035336) (end)**

---

- ZONE: The zone.
- NPI: Numbering Plan Indicator.
- CARRIER: The carrier name.
- FACNUM: The facility number.

**Datafill sequence**

Table ACHEAD and SUPERTKG must be data-filled prior to this table. No specific error messages are generated if data-fill is done out of sequence.

**Table sizing**

Unchanged

**Dump and restore**

Not applicable

**Activation**

Functionality is activated by provisioning the CALLTYPE field for the SG selector.

## CTRTE (A59035336)

---

### Table name

CTRTE

### Table status

Changed

### Feature number and name

A59035336 - PRI Translation Enhancements

### Table description

Addition of optional CALLTYPE field and subfields for route selector SG. As CALLTYPE (and sub-options) is an optional field, there is **no default value**.

### Field information

Feature	Field name	Range
A59035336	CALLTYPE	PUBLIC, PRIVATE, WATS, ASDS, LDS, FOREIGN EXCHANGE, TIE, INWATS
A59035336	OATYPE	NONE, 0M, 0P
A59035336	TNS	0 TO 999, N, C
A59035336	NPOS	N, Y
A59035336	ZONE	<zone>
A59035336	NPI	E164 and PVT
A59035336	CARRIER	<carrier name>
A59035336	FACNUM	0 TO 1023

### Field description

A description of new or changed fields is as follows:

- CALLTYPE: Type of call.
- OATYPE: Operator Access Type.
- TNS: Transit Network Selector.
- NPOS: Has N and Y values.

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**CTRTE (A59035336) (end)**

---

- ZONE: The zone.
- NPI: Numbering Plan Indicator.
- CARRIER: The carrier name.
- FACNUM: The facility number.

**Datafill sequence**

Table CTHEAD and SUPERTKG must be data-filled prior to this table. No specific error messages are generated if data-fill is done out of sequence.

**Table sizing**

Unchanged

**Dump and restore**

Not applicable

**Activation**

Functionality is activated by provisioning the CALLTYPE field for the SG selector.

## **DNROUTE (A59030419)**

---

### **Table name**

DNROUTE

### **Table status**

Changed

### **Feature number and name**

A59030419 - SimRing Virtual DN

### **Table description**

Feature SIMRING added as new refinement for DN\_SEL = FEAT.

### **Field information**

<b>Feature</b>	<b>Field name</b>	<b>Range</b>
A59030419	FEATURE	SIMRING, etc.
A59030419	SIMR_GRPKEY	unsignedint
A59030419	SIMR_CUSTGRP	Alpha-numeric
A59030419	SIMR_SUBGRP	0 to 7
A59030419	SIMR_NCOS	0 to 255
A59030419	SIMR_STATE	ACT or INACT
A59030419	SIMR_PIN	4 digit numeric

### **Field description**

A description of new or changed fields is as follows:

- **FEATURE:** SIMRING is a new feature DN which can be entered as FEATURE whenever field DN\_SEL = FEAT.
- **SIMR\_GRPKEY:** This is the index into table PILOTGRP.
- **SIMR\_CUSTGRP:** Any valid customer group within the switch.
- **SIMR\_SUBGRP:** A valid subgroup of the customer group.
- **SIMR\_NCOS:** A valid Network Class of Service within the customer group.

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**DNROUTE (A59030419) (end)**

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- SIMR\_STATE: The current state of the SimRing group.
- SIMR\_PIN: The PIN code for the SimRing group. Note: This field is not seen when displaying the tuple but is shown as \$. It can be changed however.

**Datafill sequence**

Unchanged

**Table sizing**

Unchanged

**Dump and restore**

Unchanged

**Activation**

Unchanged

## **FARTE (A59035336)**

---

### **Table name**

FARTE

### **Table status**

Changed

### **Feature number and name**

A59035336 - PRI Translation Enhancements

### **Table description**

Addition of optional CALLTYPE field and subfields for route selector SG. As CALLTYPE (and sub-options) is an optional field, there is **no default value**.

### **Field information**

<b>Feature</b>	<b>Field name</b>	<b>Range</b>
A59035336	CALLTYPE	PUBLIC, PRIVATE, WATS, ASDS, LDS, FOREIGN EXCHANGE, TIE, INWATS
A59035336	OATYPE	NONE, 0M, 0P
A59035336	TNS	0 TO 999, N, C
A59035336	NPOS	N, Y
A59035336	ZONE	<zone>
A59035336	NPI	E164 and PVT
A59035336	CARRIER	<carrier name>
A59035336	FACNUM	0 TO 1023

### **Field description**

A description of new or changed fields is as follows:

- CALLTYPE: Type of call.
- OATYPE: Operator Access Type.
- TNS: Transit Network Selector.
- NPOS: Has N and Y values.

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**FARTE (A59035336) (end)**

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- ZONE: The zone.
- NPI: Numbering Plan Indicator.
- CARRIER: The carrier name.
- FACNUM: The facility number.

**Datafill sequence**

Table FAHEAD and SUPERTKG must be data-filled prior to this table. No specific error messages are generated if data-fill is done out of sequence.

**Table sizing**

Unchanged

**Dump and restore**

Not applicable

**Activation**

Functionality is activated by provisioning the CALLTYPE field for the SG selector.

## **FNPACONT subtable RTEMAP (A59029017)**

---

### **Table name**

FNPACONT subtable RTEMAP

### **Table status**

Changed

### **Feature number and name**

A59029017 - FNPACONT Data Call Routing

### **Table description**

A new subtable RTEMAP is introduced in table FNPACONT. The new subtable RTEMAP provides table FNPACONT with additional bearer capability routing.

### **Field information**

<b>Feature</b>	<b>Field name</b>	<b>Range</b>
A59029017	KEY	The RCNAME must be an alphanumeric value upto 8 characters. The routing index is a integer that can have values from 0 to 1023.
A59029017	NEWINDEX	The new Routing index.

### **Field description**

A description of new or changed fields is as follows:

- **KEY:** The RCNAME should be present as an entry in Table RCNAME and the routing index should be present in table FNPACONT\$RTEREF.
- **NEWINDEX:** The new routing index entry should be present in table FNPACONT\$RTEREF.

### **Datafill sequence**

Tables must be datafilled in the following sequence:

- RCNAME
- RTECHAR

---

**FNPACONT subtable RTEMAP (A59029017) (end)**

---

- FNPACONT\$RTEREF
- FNPACONT\$RTEMAP

**Table sizing**

<b>Minimum size</b>	<b>Maximum size</b>	<b>CC restart type required to increase size</b>
0	3,62,144 (1024 tuples per RCNAME)	None

**Dump and restore**

Not applicable

**Activation**

Not applicable

## **FNPACONT subtable RTEREF (A59035336)**

---

### **Table name**

FNPACONT subtable RTEREF

### **Table status**

Changed

### **Feature number and name**

A59035336 - PRI Translation Enhancements

### **Table description**

Addition of optional CALLTYPE field and subfields for route selector SG. As CALLTYPE (and sub-options) is an optional field, there is **no default value**.

### **Field information**

<b>Feature</b>	<b>Field name</b>	<b>Range</b>
A59035336	CALLTYPE	PUBLIC, PRIVATE, WATS, ASDS, LDS, FOREIGN EXCHANGE, TIE, INWATS
A59035336	OATYPE	NONE, 0M, 0P
A59035336	TNS	0 TO 999, N, C
A59035336	NPOS	N, Y
A59035336	ZONE	<zone>
A59035336	NPI	E164 and PVT
A59035336	CARRIER	<carrier name>
A59035336	FACNUM	0 TO 1023

### **Field description**

A description of new or changed fields is as follows:

- CALLTYPE: Type of call.
- OATYPE: Operator Access Type.
- TNS: Transit Network Selector.
- NPOS: Has N and Y values.

---

**FNPACONT subtable RTEREF (A59035336) (end)**

---

- ZONE: The zone.
- NPI: Numbering Plan Indicator.
- CARRIER: The carrier name.
- FACNUM: The facility number.

**Datafill sequence**

Table ACHEAD and SUPERTKG must be data-filled prior to this table. No specific error messages are generated if data-fill is done out of sequence.

**Table sizing**

Unchanged

**Dump and restore**

Not applicable. The one exception to this, is that if ACT patch ECU41 is present and activated on the previous load, then the reformat procedure listed in the DSUM will be activated. This procedure will datafill the RTEREF subtable for HNPACONT with CALLTYPE PUB and default data for the sub-options. This is to maintain compatibility with the functionality offered in the aforementioned patch.

**Activation**

Functionality is activated by provisioning the CALLTYPE field for the SG selector.

## FTRTE (A59035336)

---

### Table name

FTRTE

### Table status

Changed

### Feature number and name

A59035336 - PRI Translation Enhancements

### Table description

Addition of optional CALLTYPE field and subfields for route selector SG. As CALLTYPE (and sub-options) is an optional field, there is **no default value**.

### Field information

Feature	Field name	Range
A59035336	CALLTYPE	PUBLIC, PRIVATE, WATS, ASDS, LDS, FOREIGN EXCHANGE, TIE, INWATS
A59035336	OATYPE	NONE, 0M, 0P
A59035336	TNS	0 TO 999, N, C
A59035336	NPOS	N, Y
A59035336	ZONE	<zone>
A59035336	NPI	E164 and PVT
A59035336	CARRIER	<carrier name>
A59035336	FACNUM	0 TO 1023

### Field description

A description of new or changed fields is as follows:

- CALLTYPE: Type of call.
- OATYPE: Operator Access Type.
- TNS: Transit Network Selector.
- NPOS: Has N and Y values.

---

**FTRTE (A59035336) (end)**

---

- ZONE: The zone.
- NPI: Numbering Plan Indicator.
- CARRIER: The carrier name.
- FACNUM: The facility number.

**Datafill sequence**

Table ACHEAD and SUPERTKG must be data-filled prior to this table. No specific error messages are generated if data-fill is done out of sequence.

**Table sizing**

Unchanged

**Dump and restore**

Not applicable

**Activation**

Functionality is activated by provisioning the CALLTYPE field for the SG selector.

---

## HNPACONT subtable RTEREF (A59035336)

---

### Table name

HNPACONT subtable RTEREF

### Table status

Changed

### Feature number and name

A59035336 - PRI Translation Enhancements

### Table description

Addition of optional CALLTYPE field and subfields for route selector SG. As CALLTYPE (and sub-options) is an optional field, there is **no default value**.

### Field information

Feature	Field name	Range
A59035336	CALLTYPE	PUBLIC, PRIVATE, WATS, ASDS, LDS, FOREIGN EXCHANGE, TIE, INWATS
A59035336	OATYPE	NONE, 0M, 0P
A59035336	TNS	0 TO 999, N, C
A59035336	NPOS	N, Y
A59035336	ZONE	<zone>
A59035336	NPI	E164 and PVT
A59035336	CARRIER	<carrier name>
A59035336	FACNUM	0 TO 1023

### Field description

A description of new or changed fields is as follows:

- CALLTYPE: Type of call.
- OATYPE: Operator Access Type.
- TNS: Transit Network Selector.
- NPOS: Has N and Y values.

---

**HNPACONT subtable RTEREF (A59035336) (end)**

---

- ZONE: The zone.
- NPI: Numbering Plan Indicator.
- CARRIER: The carrier name.
- FACNUM: The facility number.

**Datafill sequence**

Table SUPERTKG must be data-filled prior to this table. No specific error messages are generated if data-fill is done out of sequence.

**Table sizing**

Unchanged

**Dump and restore**

Not applicable. The one exception to this, is that if ACT patch ECU41 is present and activated on the previous load, then the reformat procedure listed in the DSUM will be activated. This procedure will datafill the RTEREF subtable for HNPACONT with CALLTYPE PUB and default data for the sub-options. This is to maintain compatibility with the functionality offered in the aforementioned patch.

**Activation**

Functionality is activated by provisioning the CALLTYPE field for the SG selector.

## HUNTGRP (A59028729)

---

### Table name

HUNTGRP

### Table status

Changed

### Feature number and name

A59028729 - FLASHING ANI Enhancements and WLS911 Enhancements

### Table description

This table will be modified for the FLASHING ANI feature.

### Field information

Feature	Field name	Range
A59028729	OVFLFLSH	Yes, No

### Field description

A description of new or changed fields is as follows:

- OVFLFLSH: A new LDTPSAP prompt will be given of type boolean called Overflow Flash (OVFLFLSH). The OVFLFLSH option will only be compatible with the LDTPSAP option.

### Datafill sequence

Not applicable

### Table sizing

Not applicable

### Dump and restore

Not applicable

### Activation

Not applicable

---

**IBNRT2 (A59035336)**

---

**Table name**

IBNRT2

**Table status**

Changed

**Feature number and name**

A59035336 - PRI Translation Enhancements

**Table description**

Addition of optional CALLTYPE field and subfields for route selector SG. As CALLTYPE (and sub-options) is an optional field, there is **no default value**.

**Field information**

Feature	Field name	Range
A59035336	CALLTYPE	PUBLIC, PRIVATE, WATS, ASDS, LDS, FOREIGN EXCHANGE, TIE, INWATS
A59035336	OATYPE	NONE, 0M, 0P
A59035336	TNS	0 TO 999, N, C
A59035336	NPOS	N, Y
A59035336	ZONE	<zone>
A59035336	NPI	E164 and PVT
A59035336	CARRIER	<carrier name>
A59035336	FACNUM	0 TO 1023

**Field description**

A description of new or changed fields is as follows:

- CALLTYPE: Type of call.
- OATYPE: Operator Access Type.
- TNS: Transit Network Selector.
- NPOS: Has N and Y values.

## **IBNRT2 (A59035336) (end)**

---

- ZONE: The zone.
- NPI: Numbering Plan Indicator.
- CARRIER: The carrier name.
- FACNUM: The facility number.

### **Datafill sequence**

Table SUPERTKG must be data-filled prior to this table. No specific error messages are generated if data-fill is done out of sequence.

### **Table sizing**

Unchanged

### **Dump and restore**

Not applicable.

### **Activation**

Functionality is activated by provisioning the CALLTYPE field for the SG selector.

---

**IBNRT3 (A59035336)**

---

**Table name**

IBNRT3

**Table status**

Changed

**Feature number and name**

A59035336 - PRI Translation Enhancements

**Table description**

Addition of optional CALLTYPE field and subfields for route selector SG. As CALLTYPE (and sub-options) is an optional field, there is **no default value**.

**Field information**

Feature	Field name	Range
A59035336	CALLTYPE	PUBLIC, PRIVATE, WATS, ASDS, LDS, FOREIGN EXCHANGE, TIE, INWATS
A59035336	OATYPE	NONE, 0M, 0P
A59035336	TNS	0 TO 999, N, C
A59035336	NPOS	N, Y
A59035336	ZONE	<zone>
A59035336	NPI	E164 and PVT
A59035336	CARRIER	<carrier name>
A59035336	FACNUM	0 TO 1023

**Field description**

A description of new or changed fields is as follows:

- CALLTYPE: Type of call.
- OATYPE: Operator Access Type.
- TNS: Transit Network Selector.
- NPOS: Has N and Y values.

## **IBNRT3 (A59035336) (end)**

---

- ZONE: The zone.
- NPI: Numbering Plan Indicator.
- CARRIER: The carrier name.
- FACNUM: The facility number.

### **Datafill sequence**

Table SUPERTKG must be data-filled prior to this table. No specific error messages are generated if data-fill is done out of sequence.

### **Table sizing**

Unchanged

### **Dump and restore**

Not applicable.

### **Activation**

Functionality is activated by provisioning the CALLTYPE field for the SG selector.

---

**IBNRT4 (A59035336)**


---

**Table name**

IBNRT4

**Table status**

Changed

**Feature number and name**

A59035336 - PRI Translation Enhancements

**Table description**

Addition of optional CALLTYPE field and subfields for route selector SG. As CALLTYPE (and sub-options) is an optional field, there is **no default value**.

**Field information**

Feature	Field name	Range
A59035336	CALLTYPE	PUBLIC, PRIVATE, WATS, ASDS, LDS, FOREIGN EXCHANGE, TIE, INWATS
A59035336	OATYPE	NONE, 0M, 0P
A59035336	TNS	0 TO 999, N, C
A59035336	NPOS	N, Y
A59035336	ZONE	<zone>
A59035336	NPI	E164 and PVT
A59035336	CARRIER	<carrier name>
A59035336	FACNUM	0 TO 1023

**Field description**

A description of new or changed fields is as follows:

- CALLTYPE: Type of call.
- OATYPE: Operator Access Type.
- TNS: Transit Network Selector.
- NPOS: Has N and Y values.

## **IBNRT4 (A59035336) (end)**

---

- ZONE: The zone.
- NPI: Numbering Plan Indicator.
- CARRIER: The carrier name.
- FACNUM: The facility number.

### **Datafill sequence**

Table SUPERTKG must be data-filled prior to this table. No specific error messages are generated if data-fill is done out of sequence.

### **Table sizing**

Unchanged

### **Dump and restore**

Not applicable.

### **Activation**

Functionality is activated by provisioning the CALLTYPE field for the SG selector.

---

**IBNRTE (A59035336)**

---

**Table name**

IBNRTE

**Table status**

Changed

**Feature number and name**

A59035336 - PRI Translation Enhancements

**Table description**

Addition of optional CALLTYPE field and subfields for route selector SG. As CALLTYPE (and sub-options) is an optional field, there is **no default value**.

**Field information**

Feature	Field name	Range
A59035336	CALLTYPE	PUBLIC, PRIVATE, WATS, ASDS, LDS, FOREIGN EXCHANGE, TIE, INWATS
A59035336	OATYPE	NONE, 0M, 0P
A59035336	TNS	0 TO 999, N, C
A59035336	NPOS	N, Y
A59035336	ZONE	<zone>
A59035336	NPI	E164 and PVT
A59035336	CARRIER	<carrier name>
A59035336	FACNUM	0 TO 1023

**Field description**

A description of new or changed fields is as follows:

- CALLTYPE: Type of call.
- OATYPE: Operator Access Type.
- TNS: Transit Network Selector.
- NPOS: Has N and Y values.

## **IBNRTE (A59035336) (end)**

---

- ZONE: The zone.
- NPI: Numbering Plan Indicator.
- CARRIER: The carrier name.
- FACNUM: The facility number.

### **Datafill sequence**

Table SUPERTKG must be data-filled prior to this table. No specific error messages are generated if data-fill is done out of sequence.

### **Table sizing**

Unchanged

### **Dump and restore**

Not applicable.

### **Activation**

Functionality is activated by provisioning the CALLTYPE field for the SG selector.

---

**MUMRTAB (A59029045)**

---

**Table name**

MUMRTAB

**Table status**

Changed

**Feature number and name**

A59029045 - Extended Calling Services(ECS) Enhancement Service

**Table description**

Table MUMRTAB is modified to include a BOOL, ECSDENY.

**Field information**

Feature	Field name	Range
A59029045	ECSDENY	Y, N

**Field description**

A description of new or changed fields is as follows:

- ECSDENY: This BOOL is used to determine if Extended Calling Service (ECS)/Extended Rate Area calls are to be blocked or not for the following type of originating agents: 1MR lines and P2/PX trunks.

**Datafill sequence**

Table MUMRTAB must be datafilled in the following sequence:

- MRSANAME
- MUMRMBI
- MUMRTAB

**Table sizing**

Minimum size	Maximum size	CC restart type required to increase size
0	4095	None

**MUMRTAB (A59029045)** (end)

---

**Dump and restore**

Not applicable

**Activation**

Not applicable

---

**NSCRTE (A59035336)**

---

**Table name**

NSCRTE

**Table status**

Changed

**Feature number and name**

A59035336 - PRI Translation Enhancements

**Table description**

Addition of optional CALLTYPE field and subfields for route selector SG. As CALLTYPE (and sub-options) is an optional field, there is **no default value**.

**Field information**

Feature	Field name	Range
A59035336	CALLTYPE	PUBLIC, PRIVATE, WATS, ASDS, LDS, FOREIGN EXCHANGE, TIE, INWATS
A59035336	OATYPE	NONE, 0M, 0P
A59035336	TNS	0 TO 999, N, C
A59035336	NPOS	N, Y
A59035336	ZONE	<zone>
A59035336	NPI	E164 and PVT
A59035336	CARRIER	<carrier name>
A59035336	FACNUM	0 TO 1023

**Field description**

A description of new or changed fields is as follows:

- CALLTYPE: Type of call.
- OATYPE: Operator Access Type.
- TNS: Transit Network Selector.
- NPOS: Has N and Y values.

**NSCRTE (A59035336) (end)**

---

- ZONE: The zone.
- NPI: Numbering Plan Indicator.
- CARRIER: The carrier name.
- FACNUM: The facility number.

**Datafill sequence**

Table NSCHEAD and SUPERTKG must be data-filled prior to this table. No specific error messages are generated if data-fill is done out of sequence.

**Table sizing**

Unchanged

**Dump and restore**

Not applicable

**Activation**

Functionality is activated by provisioning the CALLTYPE field for the SG selector.

## OFCRTE (A59035336)

---

### Table name

OFCRTE

### Table status

Changed

### Feature number and name

A59035336 - PRI Translation Enhancements

### Table description

Addition of optional CALLTYPE field and subfields for route selector SG. As CALLTYPE (and sub-options) is an optional field, there is **no default value**.

### Field information

Feature	Field name	Range
A59035336	CALLTYPE	PUBLIC, PRIVATE, WATS, ASDS, LDS, FOREIGN EXCHANGE, TIE, INWATS
A59035336	OATYPE	NONE, 0M, 0P
A59035336	TNS	0 TO 999, N, C
A59035336	NPOS	N, Y
A59035336	ZONE	<zone>
A59035336	NPI	E164 and PVT
A59035336	CARRIER	<carrier name>
A59035336	FACNUM	0 TO 1023

### Field description

A description of new or changed fields is as follows:

- CALLTYPE: Type of call.
- OATYPE: Operator Access Type.
- TNS: Transit Network Selector.
- NPOS: Has N and Y values.

---

**OFCRTE (A59035336) (end)**

---

- ZONE: The zone.
- NPI: Numbering Plan Indicator.
- CARRIER: The carrier name.
- FACNUM: The facility number.

**Datafill sequence**

Table OFCHEAD and SUPERTKG must be data-filled prior to this table. No specific error messages are generated if data-fill is done out of sequence.

**Table sizing**

Unchanged

**Dump and restore**

Not applicable

**Activation**

Functionality is activated by provisioning the CALLTYPE field for the SG selector.

## OFR2 (A59035336)

---

### Table name

OFR2

### Table status

Changed

### Feature number and name

A59035336 - PRI Translation Enhancements

### Table description

Addition of optional CALLTYPE field and subfields for route selector SG. As CALLTYPE (and sub-options) is an optional field, there is **no default value**.

### Field information

Feature	Field name	Range
A59035336	CALLTYPE	PUBLIC, PRIVATE, WATS, ASDS, LDS, FOREIGN EXCHANGE, TIE, INWATS
A59035336	OATYPE	NONE, 0M, 0P
A59035336	TNS	0 TO 999, N, C
A59035336	NPOS	N, Y
A59035336	ZONE	<zone>
A59035336	NPI	E164 and PVT
A59035336	CARRIER	<carrier name>
A59035336	FACNUM	0 TO 1023

### Field description

A description of new or changed fields is as follows:

- CALLTYPE: Type of call.
- OATYPE: Operator Access Type.
- TNS: Transit Network Selector.
- NPOS: Has N and Y values.

---

**OFR2 (A59035336)** (end)

---

- ZONE: The zone.
- NPI: Numbering Plan Indicator.
- CARRIER: The carrier name.
- FACNUM: The facility number.

**Datafill sequence**

Table SUPERTKG must be data-filled prior to this table. No specific error messages are generated if data-fill is done out of sequence.

**Table sizing**

Unchanged

**Dump and restore**

Not applicable

**Activation**

Functionality is activated by provisioning the CALLTYPE field for the SG selector.

## OFR3 (A59035336)

---

### Table name

OFR3

### Table status

Changed

### Feature number and name

A59035336 - PRI Translation Enhancements

### Table description

Addition of optional CALLTYPE field and subfields for route selector SG. As CALLTYPE (and sub-options) is an optional field, there is **no default value**.

### Field information

Feature	Field name	Range
A59035336	CALLTYPE	PUBLIC, PRIVATE, WATS, ASDS, LDS, FOREIGN EXCHANGE, TIE, INWATS
A59035336	OATYPE	NONE, 0M, 0P
A59035336	TNS	0 TO 999, N, C
A59035336	NPOS	N, Y
A59035336	ZONE	<zone>
A59035336	NPI	E164 and PVT
A59035336	CARRIER	<carrier name>
A59035336	FACNUM	0 TO 1023

### Field description

A description of new or changed fields is as follows:

- CALLTYPE: Type of call.
- OATYPE: Operator Access Type.
- TNS: Transit Network Selector.
- NPOS: Has N and Y values.

---

**OFR3 (A59035336) (end)**

---

- ZONE: The zone.
- NPI: Numbering Plan Indicator.
- CARRIER: The carrier name.
- FACNUM: The facility number.

**Datafill sequence**

Table SUPERTKG must be data-filled prior to this table. No specific error messages are generated if data-fill is done out of sequence.

**Table sizing**

Unchanged

**Dump and restore**

Not applicable

**Activation**

Functionality is activated by provisioning the CALLTYPE field for the SG selector.

## OFR4 (A59035336)

---

### Table name

OFR4

### Table status

Changed

### Feature number and name

A59035336 - PRI Translation Enhancements

### Table description

Addition of optional CALLTYPE field and subfields for route selector SG. As CALLTYPE (and sub-options) is an optional field, there is **no default value**.

### Field information

Feature	Field name	Range
A59035336	CALLTYPE	PUBLIC, PRIVATE, WATS, ASDS, LDS, FOREIGN EXCHANGE, TIE, INWATS
A59035336	OATYPE	NONE, 0M, 0P
A59035336	TNS	0 TO 999, N, C
A59035336	NPOS	N, Y
A59035336	ZONE	<zone>
A59035336	NPI	E164 and PVT
A59035336	CARRIER	<carrier name>
A59035336	FACNUM	0 TO 1023

### Field description

A description of new or changed fields is as follows:

- CALLTYPE: Type of call.
- OATYPE: Operator Access Type.
- TNS: Transit Network Selector.
- NPOS: Has N and Y values.

---

**OFR4 (A59035336) (end)**

---

- ZONE: The zone.
- NPI: Numbering Plan Indicator.
- CARRIER: The carrier name.
- FACNUM: The facility number.

**Datafill sequence**

Table SUPERTKG must be data-filled prior to this table. No specific error messages are generated if data-fill is done out of sequence.

**Table sizing**

Unchanged

**Dump and restore**

Not applicable

**Activation**

Functionality is activated by provisioning the CALLTYPE field for the SG selector.

## OFRT (A59035336)

---

### Table name

OFRT

### Table status

Changed

### Feature number and name

A59035336 - PRI Translation Enhancements

### Table description

Addition of optional CALLTYPE field and subfields for route selector SG. As CALLTYPE (and sub-options) is an optional field, there is **no default value**.

### Field information

Feature	Field name	Range
A59035336	CALLTYPE	PUBLIC, PRIVATE, WATS, ASDS, LDS, FOREIGN EXCHANGE, TIE, INWATS
A59035336	OATYPE	NONE, 0M, 0P
A59035336	TNS	0 TO 999, N, C
A59035336	NPOS	N, Y
A59035336	ZONE	<zone>
A59035336	NPI	E164 and PVT
A59035336	CARRIER	<carrier name>
A59035336	FACNUM	0 TO 1023

### Field description

A description of new or changed fields is as follows:

- CALLTYPE: Type of call.
- OATYPE: Operator Access Type.
- TNS: Transit Network Selector.
- NPOS: Has N and Y values.

---

**OFRT (A59035336) (end)**

---

- ZONE: The zone.
- NPI: Numbering Plan Indicator.
- CARRIER: The carrier name.
- FACNUM: The facility number.

**Datafill sequence**

Table SUPERTKG must be data-filled prior to this table. No specific error messages are generated if data-fill is done out of sequence.

**Table sizing**

Unchanged

**Dump and restore**

Not applicable

**Activation**

Functionality is activated by provisioning the CALLTYPE field for the SG selector.

## PXRTE (A59035336)

---

### Table name

PXRTE

### Table status

Changed

### Feature number and name

A59035336 - PRI Translation Enhancements

### Table description

Addition of optional CALLTYPE field and subfields for route selector SG. As CALLTYPE (and sub-options) is an optional field, there is **no default value**.

### Field information

Feature	Field name	Range
A59035336	CALLTYPE	PUBLIC, PRIVATE, WATS, ASDS, LDS, FOREIGN EXCHANGE, TIE, INWATS
A59035336	OATYPE	NONE, 0M, 0P
A59035336	TNS	0 TO 999, N, C
A59035336	NPOS	N, Y
A59035336	ZONE	<zone>
A59035336	NPI	E164 and PVT
A59035336	CARRIER	<carrier name>
A59035336	FACNUM	0 TO 1023

### Field description

A description of new or changed fields is as follows:

- CALLTYPE: Type of call.
- OATYPE: Operator Access Type.
- TNS: Transit Network Selector.
- NPOS: Has N and Y values.

---

**PXRTE (A59035336) (end)**

---

- ZONE: The zone.
- NPI: Numbering Plan Indicator.
- CARRIER: The carrier name.
- FACNUM: The facility number.

**Datafill sequence**

Table PXHEAD and SUPERTKG must be data-filled prior to this table. No specific error messages are generated if data-fill is done out of sequence.

**Table sizing**

Unchanged

**Dump and restore**

Not applicable

**Activation**

Functionality is activated by provisioning the CALLTYPE field for the SG selector.

## SCAISSRV (A59028955)

---

### Table name

SCAISSRV

### Table status

Changed

### Feature number and name

A59028955 - ICM Route Call Msg Enhancement For Customized Display

### Table description

The field that is added under function ROUTECALL of category TPQC of table SCAISSRV is DISPTEXT.

### Field information

Feature	Field name	Range
A59028955	ROUTECALL	N or Y

### Field description

A description of new or changed fields is as follows:

- ROUTECALL: If the Parameter DISPTEXT is datafilled to Y then customer will get enhanced display while using the dv\_route\_call message.

### Datafill sequence

Unchanged

### Table sizing

Unchanged

### Dump and restore

Not applicable

### Activation

Not applicable

## **TRKGRP (A59029627)**

---

### **Table name**

TRKGRP

### **Table status**

Changed

### **Feature number and name**

A59029627 - E911: Log and ISUP Enhancements

### **Table description**

This feature will enhance the type definition for IT ISUP trunks by adding a new boolean subfiled (DEDICATD) to the E911 option.

### **Field information**

<b>Feature</b>	<b>Field name</b>	<b>Range</b>
A59029627	DEDICATD	Y, N

### **Field description**

A description of new or changed fields is as follows:

- DEDICATD: Boolean indicating whether the facility in question will be dedicated to E911 traffic or not. This boolean will be initialized to 'Y'.

### **Datafill sequence**

Unchanged

### **Table sizing**

Unchanged

### **Dump and restore**

Not applicable

### **Activation**

Not applicable

---

# 5 Changed office parameters

---

## Introduction

This chapter describes DMS-100 office parameters (OP) modified by this release.

## **AIN\_TIMEOUT\_TIMER (A59037100)**

---

### **Office parameter name**

AIN\_TIMEOUT\_TIMER

### **Office parameter status**

Changed

### **Table name**

OFCENG

### **Feature number and name**

A59037100 - AIN Timeout Phase II

A59037082 - AIN Disconnect Phase II

### **Office parameter description**

The value of office parameter AIN\_TIMEOUT\_TIMER in table OFCENG is changed from minutes to seconds. The range of the parameter is changed from 1-180 min. to 1-86400 sec.

### **Default value**

5

### **Dump and restore**

Unchanged

### **Activation**

Immediate

### **Associated operational measurements**

Not applicable

### **Associated table datafill**

Not applicable

### **Associated logs**

Not applicable

---

# 6 New operational measurement groups

---

## Introduction

This chapter describes DMS-100 operational measurement (OM) groups introduced by this release.

## **AINOGSB2 (A59037100)**

---

### **Operational measurements group name**

AINOGSB2

### **Operational measurements group status**

Changed

### **Feature number and name**

A59037100 - AIN Timeout Phase II

A59037082 - AIN Disconnect Phase II

### **Operation measurements group description**

The NA016 product release introduced register ESTMTOUT (Event Subscribed T\_Mid\_call TimeOUT) in the new OM group AINOGSB2 as the OM group AINOGSUB is full.

#### **Number of tuples**

One tuple per office

#### **Key field**

None

#### **Key field description**

Not applicable

#### **Validation**

Not applicable

#### **Info field**

None

#### **Info field description**

Not applicable

#### **Registers**

Existing registers +

---

**AINOGSB2 (A59037100)** (end)

---

The registers are as follows:

- ESTMOUT

**Associated logs**

Not applicable

## **HTR (A59028697)**

---

### **Operational measurements group name**

HTR

### **Operational measurements group status**

New

### **Feature number and name**

A59028697 - Enhancement to Cancel To (CANT), Cancel From (CANF), SKIP and Flexible ReRoute (FRR) Controls

### **Operation measurements group description**

HTR omgroup is a new multi-tuple OM created for pegging the Answer and Bid counts for all Hard To Reach codes. This will be used by EADAS machine to calculate Answer to Bid ratio.

#### **Number of tuples**

One tuple for each Hard To Reach code

#### **Key field**

None

#### **Key field description**

Not applicable

#### **Validation**

Not applicable

#### **Info field**

HTR\_INFO

#### **Info field description**

HTR\_INFO, which consists of following fields: code control type, cic digits, prefix field, and destination code.

#### **Registers**

Existing registers +

The registers are as follows:

- CAONHTRC
- CCONHTRC

**HTR (A59028697)** (end)

---

**Associated logs**

Not applicable



---

# 7 Changed operational measurement groups

---

## Introduction

This chapter describes DMS-100 operational measurement (OM) groups modified by this release.

## **AINICOFF (A59037140)**

---

### **Operational measurements group name**

AINICOFF

### **Operational measurements group status**

New

### **Feature number and name**

A59037140 - AIN: Connect To Resource

### **Operation measurements group description**

Register IO Connect\_To\_Resource (IOCTR) counts the incoming Connect\_To\_Resource messages received at the SSP from the SCP in a transaction that an office-based message initiates.

#### **Number of tuples**

Unchanged

#### **Key field**

Unchanged

#### **Key field description**

Not applicable

#### **Validation**

Unchanged

#### **Info field**

Unchanged

#### **Info field description**

Not applicable

#### **Registers**

Existing registers +

The registers are as follows:

- IOCTR

#### **Associated logs**

Not applicable

## **AINICSUB (A59037140)**

---

### **Operational measurements group name**

AINICSUB

### **Operational measurements group status**

New

### **Feature number and name**

A59037140 - AIN: Connect To Resource

### **Operation measurements group description**

Register IS Connect\_To\_Resource (ISCTR) counts the Connect\_To\_Resource messages the SSP receives from the SCP in a transaction that a subscribed message initiates.

#### **Number of tuples**

Unchanged

#### **Key field**

Unchanged

#### **Key field description**

Not applicable

#### **Validation**

Unchanged

#### **Info field**

Unchanged

#### **Info field description**

Not applicable

#### **Registers**

Existing registers +

The registers are as follows:

- ISCTR

#### **Associated logs**

Not applicable

## **AINOGOFF (A59037100)**

---

### **Operational measurements group name**

AINOGOFF

### **Operational measurements group status**

Changed

### **Feature number and name**

A59037100 - AIN Timeout Phase II

A59037082 - AIN Disconnect Phase II

### **Operation measurements group description**

The NA016 product release introduces register EOTOUT of OM group AINOGOFF.

#### **Number of tuples**

Unchanged

#### **Key field**

Unchanged

#### **Key field description**

Not applicable

#### **Validation**

Unchanged

#### **Info field**

Unchanged

#### **Info field description**

Not applicable

#### **Registers**

Existing registers +

The registers are as follows:

- EOTOUT

#### **Associated logs**

Not applicable

## **AINOGOFF (A59037140)**

---

### **Operational measurements group name**

AINOGOFF

### **Operational measurements group status**

New

### **Feature number and name**

A59037140 - AIN: Connect To Resource

### **Operation measurements group description**

Register IO CTR\_Clear (IOCCLR) counts CTR\_Clear messages sent from the SSP to the SCP, in a transaction an office-based message initiates IO CTR\_Clear.

#### **Number of tuples**

Unchanged

#### **Key field**

Unchanged

#### **Key field description**

Not applicable

#### **Validation**

Unchanged

#### **Info field**

Unchanged

#### **Info field description**

Not applicable

#### **Registers**

Existing registers +

The registers are as follows:

- IOCCLR

#### **Associated logs**

Not applicable

## **AINOGSUB (A59037100)**

---

### **Operational measurements group name**

AINOGSUB

### **Operational measurements group status**

Changed

### **Feature number and name**

A59037100 - AIN Timeout Phase II

A59037082 - AIN Disconnect Phase II

### **Operation measurements group description**

The NA016 product release introduced register ESOMTOUT (Event Subscribed O\_Mid\_call TimeOUT) of OM group AINOGSUB.

#### **Number of tuples**

Unchanged

#### **Key field**

Unchanged

#### **Key field description**

Not applicable

#### **Validation**

Unchanged

#### **Info field**

Unchanged

#### **Info field description**

Not applicable

#### **Registers**

Existing registers +

The registers are as follows:

- ESOMTOUT

#### **Associated logs**

Not applicable

## **AINOGSUB (A59037140)**

---

### **Operational measurements group name**

AINOGSUB

### **Operational measurements group status**

New

### **Feature number and name**

A59037140 - AIN: Connect To Resource

### **Operation measurements group description**

IS CTR\_Clear (ISRCLR) Register ISRCLR counts CTR\_Clear messages that the SSP sends to the SCP in a transaction that a subscribed message initiates.

#### **Number of tuples**

Unchanged

#### **Key field**

Unchanged

#### **Key field description**

Not applicable

#### **Validation**

Unchanged

#### **Info field**

Unchanged

#### **Info field description**

Not applicable

#### **Registers**

Existing registers +

The registers are as follows:

- ISRCLR

#### **Associated logs**

Not applicable

## **SCMPOVFL (A5903406)**

---

### **Operational measurements group name**

SCMPOVFL

### **Operational measurements group status**

New

### **Feature number and name**

A5903406 - OM's for Series Completion (SCMP) Lines

### **Operation measurements group description**

OM group SCMP introduces three OM Registers.

#### **Number of tuples**

One tuple for each SCMP line

#### **Key field**

SCMP\_KEY

#### **Key field description**

SCMP\_KEY, a unique number associated with each SCMP line (in the range 0 - 32767 ) used as an index to SCMP line. The key is also used in SCMPAUDT tool.

#### **Validation**

Not applicable

#### **Info field**

SCMP\_OM\_INFO\_TYPE

#### **Info field description**

SCMP\_OM\_INFO\_TYPE provides the BASE DN on which SCMP line option is assigned and the TARGET DN of 7 or 10 digits.

#### **Registers**

Existing registers +

The registers are as follows:

- SCMPOVFL
- SCMPOVFL
- SCMPANSR

**SCMPOVFL (A5903406)** (end)

---

**Associated logs**

Not applicable

---

## 8 Changed command interfaces

---

### Introduction

This chapter describes DMS-100 command interfaces (CI) modified by this release.

## **AINTrace (AINTrace) A59028621**

---

### **Directory name**

AINTrace

### **Directory status**

Unchanged

### **Feature number and name**

A59028621 - STR-Connection Timer

### **Accessing the directory**

To access the directory from the CI level, enter

```
>AINTRACE
```

```
>QUIT
```

### **Command name**

TSTQuery

#### **Status**

Changed

#### **Type**

Unchanged

#### **Target**

Unchanged

#### **Availability**

RES (Residential Enhanced Services)

#### **Description**

The STR- Connection Timer feature does not change the AINTRACE command. The STR-Connection Timer feature enhances AINTRACE to display TSTRCTimer parameter in the Send\_To \_Resource message.

AIN messages can be captured by selecting either the agent type or message type that is desired. The captured TCAP messages are stored in AINT log and are then displayed in hexadecimal format, text format, or both.

#### **Warning**

Unchanged

---

**AINTrace (AINTrace) A59028621** (end)

---

**Command syntax**

AINTRACE

**Parameter definitions**

Unchanged

**Responses**

Not applicable

## **AINTrace (AINTrace) A59028643**

---

### **Directory name**

AINTrace

### **Directory status**

Unchanged

### **Feature number and name**

A59028643 - Carrier Support for Send To Resource/Send To Resource(STR)  
Response Translations Modifications

### **Accessing the directory**

To access the directory form the CI level, enter

>AINTRACE

>QUIT

### **Command name**

TSTQuery

#### **Status**

Changed

#### **Type**

Unchanged

#### **Target**

Unchanged

#### **Availability**

RES (Residential Enhanced Services)

#### **Description**

This activity supports the display of the Carrier parameters in the incoming Send\_To\_Resource conversation message. The incoming Carrier parameters are displayed using AIN700 logs.

#### **Warning**

In case of the AIN00304 SOC being IDLE, a warning message is generated stating that the SOC is IDLE and the Carrier paramaters will not be decoded in Call Processing.

---

**AINTrace (AINTrace) A59028643** (end)

---

**Command syntax**

AINTRACE

**Parameter definitions**

Unchanged

**Responses**

Following are examples and descriptions of responses to the AINTrace command.

**Response 1**

**Explanation**

**System or user actions**

**Response 2**

**Explanation**

**System or user actions**

## **AINTrace (AINTrace) A59036223**

---

### **Directory name**

AINTrace

### **Directory status**

Unchanged

### **Feature number and name**

A59036223 - Geodetic Location Parameter in AIN Triggers

A59036234 - Geodetic Location Parameter in TAT Trigger

### **Accessing the directory**

To access the directory form the CI level, enter

>AINTRACE

>QUIT

### **Command name**

AINTrace

#### **Status**

Changed

#### **Type**

Unchanged

#### **Target**

Unchanged

#### **Availability**

RES (Residential Enhanced Services)

#### **Description**

Enhanced to support GenericDigitsList Parameter in the Termination Attempt and Info Analyzed query messages. Also, enhanced to support GenericDigitsList Parameter in the Termination Attempt and Info Analyzed query messages.

#### **Warning**

Unchanged

---

**AINTrace (AINTrace) A59036223 (end)**

---

**Command syntax**

AINTRACE

**Parameter definitions**

The following table lists new or changed command parameters with values and a brief description.

**Parameters for the <CMDname> command**

Parameter	Value	Description
GenericDigitsList Parameter	<npa+nxx+xxxx>	It contains the digits identifying the caller's location.
Calling Geodetic Location Parameter	<X / Y co-ordinates>	These types specify the latitude / longitude of the callers location.

**Responses**

Not applicable

## **AINTrace (AINTrace) A59037100**

---

### **Directory name**

AINTrace

### **Directory status**

Unchanged

### **Feature number and name**

A59037100 - AIN Timeout Phase II

A59037082 - AIN Disconnect Phase II

### **Accessing the directory**

To access the directory form the CI level, enter

>AINTRACE

>QUIT

### **Command name**

TSTQuery

#### **Status**

Changed

#### **Type**

Unchanged

#### **Target**

Unchanged

#### **Availability**

RES (Residential Enhanced Services)

#### **Description**

The LegID, BCMType, PointInCall and CcID parameters are the newly supported outgoing parameters for the Timeout message.

#### **Warning**

An additional warning message is provided when TimeoutTimer parameter is received with SOC option AIN00302 in IDLE state.

---

**AINTrace (AINTrace) A59037100** (end)

---

**Command syntax**

AINTRACE

**Parameter definitions**

Unchanged

**Responses**

Following are examples and descriptions of responses to the AINTrace command.

**Response 1**

**Explanation**

**System or user actions**

**Response 2**

**Explanation**

**System or user actions**

## **AINTrace (AINTrace) A59037140**

---

### **Directory name**

AINTrace

### **Directory status**

Unchanged

### **Feature number and name**

A59037140 - AIN: Connect To Resource

### **Accessing the directory**

To access the directory form the CI level, enter

>AINTRACE

>QUIT

### **Command name**

TSTQuery

#### **Status**

Changed

#### **Type**

Unchanged

#### **Target**

Unchanged

#### **Availability**

RES (Residential Enhanced Services)

#### **Description**

This activity supports the display of the Connect To Resource parameters in the incoming conversation / response message. The incoming parameters are displayed using AIN700 logs.

#### **Warning**

In case of the AIN00306 SOC being IDLE, a warning message is generated stating that the SOC is IDLE and the CTR parameters will not be decoded in Call Processing.

---

**AINTrace (AINTrace) A59037140** (end)

---

**Command syntax**

AINTRACE

**Parameter definitions**

Unchanged

**Responses**

Following are examples and descriptions of responses to the AINTrace command.

**Response 1**

**Explanation**

**System or user actions**

**Response 2**

**Explanation**

**System or user actions**

## MAPCI;NWM;GrpCtrl (APPLY) A59028697

---

### Directory name

MAPCI;NWM;GrpCtrl

### Directory status

Unchanged

### Feature number and name

A59028697 - Enhancement to Cancel To (CANT), Cancel From (CANF), SKIP and Flexible ReRoute (FRR) Controls

### Accessing the directory

To access the directory form the CI level, enter

```
>MAPCI;NWM;GrpCtrl;APPLY
```

```
>QUIT ALL
```

### Command name

APPLY

#### Status

Changed

#### Type

Non-menu

#### Target

BRISC, POWERPC

#### Availability

RES (Residential Enhanced Services)

#### Description

For enhanced FRR control, the Code Specific Reroute(CSR) option will be activated when the field NO\_CSRCODES is more than zero. If the field, NO\_CSRCODES is zero, then the control is enhanced FRR control without CSR option.

#### Warning

None

---

**MAPCI;NWM;GrpCtrl (APPLY) A59028697** (continued)

---

**Command syntax**

MAPCI;NWM;GrpCtrl;APPLY

**Parameter definitions**

The following table lists new or changed command parameters with values and a brief description.

**Parameters for the APPLY (CANT, CANF, SKIP, or FRR) command**

Parameter	Value	Description
DR	<DR Pct>	Percentage level for Easy To Reach Direct routed call.
AR	<AR Pct>	Percentage level for Easy To Reach Alternate routed call.
HTR_DR	<HTR_DR Pct>	Percentage level for Hard To Reach Direct routed call.
HTR_AR	<HTR_AR Pct>	Percentage level for Hard To Reach Alternate routed calls.
Ann	<Ann>	Treatment given to a call, when the traffic exceeds the threshold percentage level. NCA - No Circuit Announcement EA1 - Emergency Announcement1 EA2 - Emergency Announcement2
CTRLOPT		Specifies whether IRR or RRR or TRR.
HTROPT		Specifies that only Hard to Reach (HTR) calls are affected by the FRR control.
EAOPT		Specifies whether only Equal Access (EA) calls or only Non Equal (NEA) calls are affected by the FRR control.
CICROPT		Specifies that if calls that have FRR controls.

## MAPCI;NWM;GrpCtrl (APPLY) A59028697 (continued)

### Parameters for the APPLY (CANT, CANF, SKIP, or FRR) command

Parameter	Value	Description
VIAOPT		Specifies the VIA routes (trunk groups) to which calls with the FRR control activated are routed.
NO_CSRCODES		Specifies the number of Code Specific Reroute(CSR) codes. Depending on the number of CSR codes, the remaining command doc will be displayed.

## Responses

Following are examples and descriptions of responses to the APPLY command.

### Response 1

```

Ctrl  ITS  RADR          CPU Init  IDOC  CS DCR          Fs
G...   0  0%          0%   .   .   .           0

GrpCtrl      GrpCtrl  Selected Group:  IBNT2M  IBNT2MF          2W
0 QUIT_      DRE  PRE  CanT  CanF  Skip  ITB  STR  DPTP
2           0    0    1    1    1    0    0    0
3 _DPTP_
4 LIST_      FRR
5 APPLY_     1
6 REMOVE_
7 _DRE_
8 _PRE_
9 _CANT_
10 _CANF_
11 _SKIP_
12 _ITB_
13 _STR_
14 _FRR_
15
16
17 SELECT_
18 PAGE
   CMAP13
    
```

Time 08:27

### Explanation

Result of APPLY command for CANT, CANF, SKIP and FRR Controls.

---

**MAPCI;NWM;GrpCtrl (APPLY) A59028697 (end)**

---

**System or user actions**

## **C7TU (C7TU) A59028621**

---

### **Directory name**

C7TU

### **Directory status**

Unchanged

### **Feature number and name**

A59028621 - STR-Connection Timer

### **Accessing the directory**

To access the directory from the CI level, enter

>C7TU

>QUIT

### **Command name**

C7TU

#### **Status**

Changed

#### **Type**

Unchanged

#### **Target**

Unchanged

#### **Availability**

RES (Residential Enhanced Services)

#### **Description**

The STR-Connection Timer feature does not change the C7TU command. The STR-Connection Timer feature enhances C7TU to display TSTRCTimer parameter in the Send\_To\_Resource message.

#### **Warning**

Unchanged

#### **Command syntax**

C7TU

---

**C7TU (C7TU) A59028621** (end)

---

**Parameter definitions**

Unchanged

**Responses**

Not applicable

## MAPCI;NWM;GrpCtrl (LIST) A59028697

---

### Directory name

MAPCI;NWM;GrpCtrl

### Directory status

Unchanged

### Feature number and name

A59028697 - Enhancement to Cancel To (CANT), Cancel From (CANF), SKIP and Flexible ReRoute (FRR) Controls

### Accessing the directory

To access the directory form the CI level, enter

```
>MAPCI;NWM;GrpCtrl;LIST
```

```
>QUIT
```

### Command name

LIST

#### Status

Changed

#### Type

Non-menu

#### Target

BRISC, PWERPC

#### Availability

RES (Residential Enhanced Services)

#### Description

The LIST command is used to list a particular NWM TG control on selected trunk groups or all trunk groups.

#### Warning

None

#### Command syntax

MAPCI;NWM;GrpCtrl;LIST

**MAPCI;NWM;GrpCtrl (LIST) A59028697 (end)**

**Parameter definitions**

The following table lists new or changed command parameters with values and a brief description.

**Parameters for the LISTcommand**

Parameter	Value	Description
Ctrl	<CTRL>	Ctrl stands for the control to be listed for the specified trunk group. DPTP is an added to this parameter. This is a mandatory parameter.

**Responses**

Following are examples and descriptions of responses to the LIST command.

**Response 1**

```

Ctrl ITS RADR          CPU Init IDOC CS DCR          Fs
G...  0  0%          0%  .   .   .           0

GrpCtrl      GrpCtrl  Selected Group:  ISUPT2  ISUPT2          2W
0 QUIT_      DRE  PRE  CanT  CanF  Skip  ITB  STR  DPTP
2           0   0   1   0   0   0   0   0
3 _DPTP_
4 LIST_      FRR
5 APPLY_     0
6 REMOVE_
7 _DRE_      LIST cant
8 _PRE_      CANT
9 _CANT_     =====
10 _CANF_    SCLLI  CLLI          ETR_DR_Pct  ETR_AR_Pct
11 _SKIP_    ISUPT2 ISUPT2          10%         20%
12 _ITB_          HTR_DR_Pct  HTR_AR_Pct  ANN  SOURCE
13 _STR_          30%         40%      NCA  MANUAL
14 _FRR_
15
16
17 SELECT_
18 PAGE
  CMAP2
Time 06:56
    
```

**Explanation**

LIST command output for enhanced CANT, CANF, SKIP and FRR controls.

**System or user actions**

None

## **TRAVER (TRAVER) A59028643**

---

### **Directory name**

TRAVER

### **Directory status**

Unchanged

### **Feature number and name**

A59028643 - Carrier Support for Send To Resource/Send To Resource(STR)  
Response Translations Modifications

### **Accessing the directory**

Unchanged

### **Command name**

TRAVER

#### **Status**

Changed

#### **Type**

Unchanged

#### **Target**

Unchanged

#### **Availability**

RES (Residential Enhanced Services)

#### **Description**

This activity enhances the TRAVER tool to modify the response processing for STR message with Destination address.

#### **Warning**

Unchanged

#### **Command syntax**

AINTRACE

#### **Parameter definitions**

Unchanged

---

**TRAVER (TRAVER) A59028643** (end)

---

**Responses**

Following are examples and descriptions of responses to the TRAVER command.

**Response 1**

When the Destination address is present in the response TRAVER for STR, the Originator's line attributes are overridden by those provided in Table STRATTRS based on Destination address.

**Explanation**

STRATTRS table

**System or user actions**

```
>TRAVER L 4164671001 N CDN NA 4164671002 AINRES R02  
STR B
```

## TstQuery (TstQuery) A59028621

---

### Directory name

TSTQuery

### Directory status

Unchanged

### Feature number and name

A59028621 - STR-Connection Timer

### Accessing the directory

To access the directory form the CI level, enter

```
>MAPCI ; TESTTOOL ; TSTQUERY
```

```
>QUIT
```

### Command name

TSTQuery

### Status

Changed

### Type

Menu

### Target

Unchanged

### Availability

RES (Residential Enhanced Services)

### Description

The TstQuery tool is enhanced to support the display of TSTRCTimer parameter in the Send\_To\_Resource message from the SCP.

### Warning

Unchanged

### Command syntax

TSTQUERY

---

**TstQuery (TstQuery) A59028621** (end)

---

**Parameter definitions**

Unchanged

**Responses**

Not applicable

## TstQuery (TstQuery) A59028643

---

### Directory name

TSTQuery

### Directory status

Unchanged

### Feature number and name

A59028643 - Carrier Support for Send To Resource/Send To Resource(STR)  
Response Translations Modifications

### Accessing the directory

To access the directory form the CI level, enter

```
>MAPCI ;TESTTOOL ;TSTQUERY
```

```
>QUIT
```

### Command name

TSTQuery

#### Status

Changed

#### Type

Menu

#### Target

Unchanged

#### Availability

RES (Residential Enhanced Services)

#### Description

The TsTQuery tool has been modified to display the Carrier parameters in the incoming Sent\_To\_Resource conversation message. The Carrier parameters appear in the AIN601 log generated when a response is received from the SCP.

#### Warning

Unchanged

#### Command syntax

TSTQUERY

---

## **TstQuery (TstQuery) A59028643 (end)**

---

### **Parameter definitions**

Unchanged

### **Responses**

Following are examples and descriptions of responses to the TstQuery command.

#### **Response 1**

**Explanation**

**System or user actions**

#### **Response 2**

**Explanation**

**System or user actions**

## **TstQuery (TstQuery) A59036223**

---

### **Directory name**

TstQuery

### **Directory status**

Unchanged

### **Feature number and name**

A59036223 - Geodetic Location Parameter in AIN Triggers

A59036234 - Geodetic Location Parameter in TAT Trigger

### **Accessing the directory**

To access the directory form the CI level, enter

```
>MAPCI ;TESTTOOL ;TSTQUERY
```

```
>QUIT
```

### **Command name**

TstQuery

#### **Status**

Changed

#### **Type**

Unchanged

#### **Target**

Unchanged

#### **Availability**

RES (Residential Enhanced Services)

#### **Description**

Enhanced to support GenericDigitsList Parameter in the Termination Attempt and Info Analyzed query messages. Also, enhanced to support GenericDigitsList Parameter in the Termination Attempt and Info Analyzed query messages.

#### **Warning**

Unchanged

---

**TstQuery (TstQuery) A59036223** (end)

---

**Command syntax**

TSTQUERY

**Parameter definitions**

The following table lists new or changed command parameters with values and a brief description.

**Parameters for the <CMDname> command**

Parameter	Value	Description
GenericDigitsList Parameter	<npa+nxx+xxxx>	It contains the digits identifying the caller's location.
Calling Geodetic Location Parameter	<X / Y co-ordinates>	These types specify the latitude / longitude of the callers location.

**Responses**

Not applicable

## TstQuery (TstQuery) A59037100

---

### Directory name

TSTQuery

### Directory status

Unchanged

### Feature number and name

A59037100 - AIN Timeout Phase II

A59037082 - AIN Disconnect Phase II

### Accessing the directory

To access the directory form the CI level, enter

```
>MAPCI ;TESTTOOL ;TSTQUERY
```

```
>QUIT
```

### Command name

TSTQuery

#### Status

Changed

#### Type

Menu

#### Target

Unchanged

#### Availability

RES (Residential Enhanced Services)

#### Description

TSTQuery now displays the additional incoming responses from the SCP: support of CCS7 and Ethernet transport protocol and on-line help. The TSTQuery menu commands SetMsg and ListParm are enhanced.

#### Warning

An additional warning message is provided when TimeoutTimer parameter is received with SOC option AIN00302 in IDLE state.

---

**TstQuery (TstQuery) A59037100 (end)**


---

**Command syntax**

TSTQUERY

**Parameter definitions**

The following table lists new or changed command parameters with values and a brief description.

**Parameters for the TstQuery command**

Parameter	Value	Description
SetMsg	<text>	This command displays the Timeout message in the extended list of valid messages when an event request or notification has been received in a Request_Report_BCM_Event.
ListParm	<UserID, BearerCapability, LegID, BCMTType, PointInCall, CallConfigurationID, NotificationIndicator>	This command lists all the parameters that are valid for the message specified for the current query.

**Responses**

Following are examples and descriptions of responses to the TstQuery command.

**Response 1****Explanation****System or user actions****Response 2****Explanation****System or user actions**

## TstQuery (TstQuery) A59037140

---

### Directory name

TSTQuery

### Directory status

Unchanged

### Feature number and name

A59037140 - AIN: Connect To Resource

### Accessing the directory

To access the directory from the CI level, enter

```
>MAPCI ;TESTTOOL ;TSTQUERY
```

```
>QUIT
```

### Command name

TSTQuery

### Status

Changed

### Type

Menu

### Target

Unchanged

### Availability

RES (Residential Enhanced Services)

### Description

The TsTQuery tool has been modified to display the Connect to resource (CTR) parameters in the incoming conversation / response message. The CTR parameters appear in the AIN601 log generated when a response is received from the SCP.

### Warning

Unchanged

### Command syntax

TSTQUERY

---

**TstQuery (TstQuery) A59037140** (end)

---

**Parameter definitions**

Unchanged

**Responses**

Following are examples and descriptions of responses to the TstQuery command.

**Response 1**

**Explanation**

**System or user actions**

**Response 2**

**Explanation**

**System or user actions**



---

## 9 Changed service order commands

---

### Introduction

This chapter describes DMS-100 service order (SO) commands modified by this release.

## **ADD (A59030419)**

---

### **Command name**

ADD

### **Command status**

Changed

### **Feature number and name**

A59030419 - SimRing Virtual DN

### **Command description**

The ADD command is used to add NPMDNs to a previously created SimRing group.

### **Example**

Figures 1 and 2 show examples of the ADD command being used to add members to a SimRing group.

**Figure 1. Example of Servord ADD command in prompt mode**

```
>add
SONUMBER:  NOW 0 7 12 PM
>
GROUPTYPE:
>simring
SIMRING_PILOT_LEN_OR_DN:
>6212500
SIMRING_MEMBER_DN:
>5500
SIMRING_MEMBER_DN:
>96214000
SIMRING_MEMBER_DN:
>$
```

**Figure 2. Example of Servord ADD command in no-prompt mode**

```
>add $ simring 6212500 5500 96214000 $
```

**ADD (A59030419)** (end)

---

**Prompt changes**

SIMRING\_ PILOT\_LEN\_OR\_DN

## DEL (A59030419)

---

### Command name

DEL

### Command status

Changed

### Feature number and name

A59030419 - SimRing Virtual DN

### Command description

The DEL (delete) command is used to remove NPMDNs from a previously created SimRing group.

### Example

Figures 1 and 2 show examples of the DEL command being used to remove members from a SimRing group.

**Figure 1. Example of Servord DEL command in prompt mode**

```
>del
SONUMBER:  NOW 0 7 12 PM
>
GROUPTYPE:
>simring
SIMRING_PILOT_LEN_OR_DN:
>6212500
SIMRING_MEMBER_DN:
>5500
SIMRING_MEMBER_DN:
>$
```

**Figure 2. Example of the <cmd\_name> command**

```
>del $ simring 6212500 5500 $
```

---

**DEL (A59030419)** (end)

---

**Prompt changes**

SIMRING\_ PILOT\_LEN\_OR\_DN

## EST (A59030419)

---

### Command name

EST

### Command status

Changed

### Feature number and name

A59030419 - SimRing Virtual DN

### Command description

The EST (establish) command is used to create new SimRing groups for physical SimRing pilots.

### Example

Figures 1 and 2 show examples of the EST command being used to create a SimRing group.

**Figure 1. Example of Servord EST command in prompt mode**

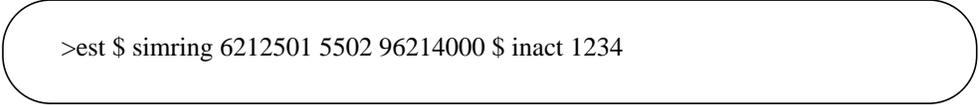
```
>est
SONUMBER:  NOW 0 7 12 PM
>
GROUPTYPE:
>simring
SIMRING_PILOT_LEN_OR_DN:
>6212501
SIMRING_MEMBER_DN:
>5502
SIMRING_MEMBER_DN:
>96214000
SIMRING_MEMBER_DN:
>$
SIMR_STATE: INACT
>
SIMR_PIN:
>1234
```

---

**EST (A59030419)** (end)

---

**Figure 2. Example of Servord EST command in no-prompt mode**



```
>est $ simring 6212501 5502 96214000 $ inact 1234
```

**Prompt changes**

SIMRING\_PILOT\_LEN\_OR\_DN

## **NEWDN (A59030419)**

---

### **Command name**

NEWDN

### **Command status**

Changed

### **Feature number and name**

A59030419 - SimRing Virtual DN

### **Command description**

The NEWDN command is used to create new Virtual Directory Numbers. The NEWDN command prompts the user for VDNTYPE. This feature adds a new type of VDN called SIMRING which can be entered at the VDNTYPE prompt.

### **Example**

Figures 1 and 2 show examples of the NEWDN command being used to create a SimRing VDN pilot.

---

**NEWDN (A59030419) (end)**

---

**Figure 1. Example of Servord NEWDN command in prompt mode**

```
>newdn
SONUMBER:  NOW 0 7 12 PM
>
SNPA
>613
BLOCK_OF_DNS:
>no
DN:
>6212500
VDNTYPE:
>simring
CUSTGRP:
>ibntst
SUBGRP:
>0
NCOS:
>0
SIMRING_MEMBER_DN:
>2300
SIMRING_MEMBER_DN:
>96215500
SIMRING_MEMBER_DN:
$
SIMR_STATE:
>act
SIMR_PIN:
>1234
OPTION:
>$
```

**Figure 2. Example of Servord NEWDN command in no-prompt mode**

```
>newdn $ no 6212500 simring ibntst 0 0 2300 96215500 $ act 1234 $
```

## Prompt changes



---

# 10 Changed service order options

---

## Introduction

This chapter describes DMS-100 service order (SO) options modified by this release.

## **LDTPSAP (A59028729)**

---

### **Option name**

LDTPSAP

### **Option status**

Changed

### **Feature number and name**

A59028729 - FLASHING ANI Enhancements and WLS911 Enhancements

### **Option description**

A new Boolean OVFLFLSH will be added in the LDTPSAP provisioning.

### **Example**

#### **Example of the LDTPSAP option**

```
CI:  
>servord  
SO:  
>ado $ 6212115 psap 00 0 00 00 ldtpsap  
ANONCALL:  
>y  
ANISPILL:  
>y  
OVFLFLSH:  
>y
```

### **Prompt changes**

---

# 11 New logs

---

## Introduction

This chapter describes DMS-100 logs (LG) introduced by this release.

## E911236 (A59029627)

---

### Log name

E911236

### Log status

New

### Feature number and name

A59029627 - E911: Log and ISUP Enhancements

### Log description

(RMB Scan Point Change Log) E911236 is generated when a change in scan point state is detected and the scan point is associated with an E911 PSAP huntgrp with an RMB option.

### Format

```
E911236 JAN09 19:24:42 7400 INFO E911 PSAP RMB SCAN PT CHANGE
PSAP 00 0 00 00 DN 6136212115
PSAPNAME = POLICE PILOTDN = 6136212115
SCGRP = 1 SCPOINT = 2
OLD STATE = 0 NEW STATE = 1
```

### Field Information

Fields are described as follows:

- **PSAP NAME:** Identifies the agency to which the system routes the call.
- **PILOTDN:** The ten digit directory number of the huntgrp pilot.
- **SCGRP:** Identifies the scan point group.
- **SCPOINT:** Identifies the number of the scan point within the SCGRP.
- **OLD STATE:** Identifies the state associated with the scan point prior to the change.
- **NEW STATE:** Identifies the state associated with the scan point after to the change.

---

**E911237 (A59029627)**

---

**Log name**

E911237

**Log status**

New

**Feature number and name**

A59029627 - E911: Log and ISUP Enhancements

**Log description**

(AIN Invalid ChargeNumber Log) E911237 is generated when a ChargeNumber without exactly ten digits is returned in the Forward Call response message.

**Format**

```
RTPT E911237 JAN09 19:24:42 7500 INFO E911 AIN INVALID CHARGENUMBER
LEN HOST 00 0 00 00 DN 6212115
Invalid ChargeNumber Found
ChargeNumber = 0206210660
```

**Field Information**

Fields are described as follows:

- LEN: Line equipment number.
- DN: Seven digit directory number associated with the above LEN number.
- CHARGENUMBER: Number found in the Forward Call response.

## E911238 (A59029627)

---

### Log name

E911238

### Log status

New

### Feature number and name

A59029627 - E911: Log and ISUP Enhancements

### Log description

(AIN Invalid CallingPartyID Found Log) E911238 will be generated when one of the following two numbers are present in the ForwardCall response:

- A Calling Party ID does not have exactly ten digits
- An NPA that is not SNPA on the switch that queries

### Format

```
RTPT E911238 JAN09 19:24:42 7500 INFO E911 AIN INVALID  
CALLINGPARTYID  
LEN HOST 00 0 00 00 DN 6212115  
Invalid CallingPartyID Found  
CallingPartyID = 0106210550
```

### Field Information

Fields are described as follows:

- LEN: Line equipment number.
- DN: Seven digit directory number associated with the above LEN number.
- CallingPartyID: Identifies the number found in Forward Call response.

---

**E911239 (A59029627)**

---

**Log name**

E911239

**Log status**

New

**Feature number and name**

A59029627 - E911: Log and ISUP Enhancements

**Log description**

(AIN invalid ESN Retrieved for ChargeNumber Log) E911239 will be generated if a ten digit ChargeNumber present in the Forward Call response produces an invalid.ESN.

**Format**

```
RTPT E911239 JAN09 19:24:42 7500 INFO E911 AIN INVALID ESN
LEN HOST 00 0 00 00      DN 6212115
Invalid ESN Retrieved for ChargeNumber
ChargeNumber = 6136210660 ESN = 10660
```

**Field Information**

Fields are described as follows:

- LEN: Line equipment number.
- DN: Seven digit directory number associated with the above LEN number.
- CHARGENUMBER: Number found in the Forward Call response.
- ESN: Identifies the ESN that was retrieved for the ChargeNumberl. The last five digits of the ChargeNumber are the new ESN digits.

## E911240 (A59029627)

---

### Log name

E911240

### Log status

New

### Feature number and name

A59029627 - E911: Log and ISUP Enhancements

### Log description

(AIN Call Cannot be Default Routed (Bad PSAP) Log) E911240 will be generated when the following two events occur:

- A query failure or other event causes the use of ESN default routing for the call
- The ESN selected for Default Routing does not have a valid primary PSAP (does not map to a seven or ten digit DN)

### Format

```
RTPT E911240 JAN09 19:24:42 7500 INFO E911 AIN DEFAULT ROUTING  
TROUBLE  
  LEN HOST 00 0 00 00      DN 6212115  
  Call Cannot Be Default Routed  
  No Valid PSAP, Call Sent To Treatment, ANI: 6136211018  
  Routing ESN: 10668PSAP DN:6210180
```

### Field Information

Fields are described as follows:

- LEN: Line equipment number.
- DN: Seven digit directory number associated with the above LEN number.
- ANI: Identifies the ten digit ANI of the caller.
- ROUTING ESN: Identifies the ESN used to route the call.
- PSAP DN: Identifies the invalid directory number of the primary PSAP.

---

**E911241 (A59029627)**

---

**Log name**

E911241

**Log status**

New

**Feature number and name**

A59029627 - E911: Log and ISUP Enhancements

**Log description**

(AIN Call Cannot be Default Routed (Bad ESN) Log) E911241 will be generated when the following two events occur:

- A query failure or other event causes the use of ESN default routing for the call
- A valid ESN is not available to route the call

**Format**

```
RTPT E911241 JAN09 19:24:42 7500 INFO E911 AIN DEFAULT ROUTING
TROUBLE
  LEN HOST 00 0 00 00      DN 6212115
  Call Cannot Be Default Routed
  No Valid ESN, Call Sent To Treatment, ANI: 6136211018
  Orig ESN: 10668Facility ESN: 10656 AIN ESN:10656
```

**Field Information**

Fields are described as follows:

- LEN: Line equipment number.
- DN: Seven digit directory number associated with the above LEN number.
- ANI: Identifies the ten digit ANI of the caller.
- ORIGINAL ESN: Identifies the original ESN of the caller.
- FACILITY ESN: Identifies the ESN of the facility used to route the caller.
- AIN ESN: Identifies ESN entered in the AIN table TRIGITM.

## E911242 (A59029627)

---

### Log name

E911242

### Log status

New

### Feature number and name

A59029627 - E911: Log and ISUP Enhancements

### Log description

(Call Event Record Log) E911242 will be generated at disconnect for each call terminated to an ACD, LINE or LDT PSAP. The log will also be produced for a 2-way call when the E911 attendant or the calling party disconnects from the call. Also, when a primary PSAP attendant is in the process of transferring a calling party to a secondary PSAP and the three parties are in a 3-way call, an E911242 log will be produced as follows:

- If the controlling PSAP (primary PSAP who initiated the call transfer) drops out of the call, an E911242 log will be generated for the primary PSAP.
- If the second PSAP drops out of the call or is flashed off by the primary PSAP, an E911242 log will be generated for the secondary PSAP.
- If the calling party disconnects, two E911242 logs will be generated, one for the primary PSAP who transferred the call and one for the attendant who answered the call on transfer.

### Format

```
E911242 JAN09 19:24:42 7400 INFO E911 CALL EVENT RECORD
CKT = E911ICS7CALLID = #2D9D #0000 PSAP DN = 6136212115
PSAP LEN = PSAP 00 00 00 00 NACD DM = N/A TDMPRFX = 0
XFR RCVRDGT = 419 XFR CONF PORT = CF3P 10
ROUTING ESN: 113 Facility ESN: 110 ORIG ESN: 113
```

### Field Information

Fields are described as follows:

- **ORIGINATING AGENT:** Identifies the Originating Agent. This could be an E911 trunk common language location identifier (CLLI) or a Line DN.
- **TERMINATING AGENT:** Identifies the Terminating Agent.
- **CALLID:** Identifies the CALLID of the call.
- **PSAP NAME:** Identifies the name of the PSAP.
- **PSAP DN:** Identifies the ten digit PSAP directory number.

---

**E911242 (A59029627) (end)**

---

- NACD DM: Identifies the Desirability Measure (DM) of the NACD group that accepted the call. If NACD is not involved on the call this field will show N/A.
- TDMPRFX: Identifies the Tandem Prefix associated with the ISUP IT trunk with an E911 option. 0 will be displayed if tandem prefix does not apply.
- ROUTING ESN: Identifies the ESN used to route the call.
- FACILITY ESN: Identifies the ESN of the facility used to route the caller.

---

# 12 Changed logs

---

## Introduction

This chapter describes DMS-100 logs (LG) modified by this release.

**AIN600 (A59037100)**

---

**Log name**

AIN600

**Log status**

Change

**Feature number and name**

A59037100 - AIN Timeout Phase II

A59037082 - AIN Disconnect Phase II

**Log description**

The AIN600 log is generated when operating company personnel invoke the TSTQUERY send command to send a close message or Timeout query message.

**Format**

Unchanged

**Field Information**

Unchanged

---

**AIN601 (A59037100)**

---

**Log name**

AIN601

**Log status**

Change

**Feature number and name**

A59037100 - AIN Timeout Phase II

A59037082 - AIN Disconnect Phase II

**Log description**

The AIN601 log generated when operating company personnel issue the TSTQuery send command to the service control point (SCP) and receives an SCP response is modified to support the new TimeoutTimer parameters received in the RRBCME component of the SCP message.

**Format**

Unchanged

**Field Information**

Unchanged

## **AIN601 (A59037100)**

---

### **Log name**

AIN601

### **Log status**

Change

### **Feature number and name**

A59037140 - AIN: Connect To Resource

### **Log description**

The system generates the AIN601 log when operating company personnel issue the send command to the service control point (SCP) and receive an CTR message from SCP as a response. Operating company personnel generate the send command from the query tool at the TSTQUERY level of the MAP terminal.

### **Format**

Unchanged

### **Field Information**

Unchanged

---

**AINT700 (A59037100)**

---

**Log name**

AINT700

**Log status**

Change

**Feature number and name**

A59037100 - AIN Timeout Phase II

A59037082 - AIN Disconnect Phase II

**Log description**

The AINT700 log generated when the AINTRACE tool finds a message related to the terminal identifiers (TID) selected by Operating company personnel is modified to support the new TimeoutTimer parameters in the SCP message.

**Format**

Unchanged

**Field Information**

Unchanged

## **AINT700 (A59037140)**

---

### **Log name**

AINT700

### **Log status**

Change

### **Feature number and name**

A59037140 - AIN: Connect To Resource

### **Log description**

The system generates the AINT700 log when the AINTrace tool finds a CTR and CTR Clear messages related to the agent or to select CTR messages. The AINT700 log records the CTR messages, and displays the message in the following formats: TEXT, HEX, and BOTH (TEXT and HEX).

#### **Format**

Unchanged

#### **Field Information**

Unchanged

---

**E911229 (A59029627)**

---

**Log name**

E911229

**Log status**

Changed

**Feature number and name**

A59029627 - E911: Log and ISUP Enhancements

**Log description**

(AIN Routing Trouble Log) E911229 will indicate that an AIN routing attempt failed and that the call default routed.

**Format**

```
RTPT E911229 JAN09 19:24:42 7500 INFO E911 AIN ROUTING TROUBLE
LEN HOST 00 0 00 00      DN 6212115
Call Being Default Routed
ANI: 6136211018Routing ESN: 10668
Orig ESN: 10656 Facility ESN: 10668 AIN ESN: 10669
```

**Field Information**

Fields are described as follows:

- LEN: Line equipment number.
- DN: Seven digit directory number associated with the above LEN number.
- ANI: Identifies the ten digit ANI of the caller.
- ROUTING ESN: Identifies the ESN used to route the call.
- ORIGINAL ESN: Identifies the original ESN of the caller.
- FACILITY ESN: Identifies the ESN of the facility used to route the caller.
- AIN ESN: Identifies ESN entered in the AIN table TRIGINFO.

## NWM102 (A59028697)

---

### Log name

NWM102

### Log status

Changed

### Feature number and name

A59028697 - Enhancement to Cancel To (CANT), Cancel From (CANF), SKIP and Flexible ReRoute (FRR) Controls

### Log description

NWM102 log is generated when a CANT control is applied or removed.

#### Format

```
NWM102 APR25 21:41:43 1400 INFO
CANT_OFF IBNT2MF
ETR_DR=10% ETR_AR=21% HTR_DR=31% HTR_AR=41%

NCA MANUAL OFRD=0 OVFL=0 DEFLD=0
```

#### Field Information

Fields are described as follows:

- INFO: Indicates activity through the NWM subsystem.
- canttxt: Indicates CANT control activated or deactivated.
- CLLI: Identifies trunk group affected. Refer to customer data Table CLLI for valid entries. List CLLI from CI MAP level for office cli.
- DR, ETR\_DR: Provides percentage of direct-routed traffic cancelled for Easy To Reach calls.
- AR, ETR\_AR: Provides percentage of alternate-routed traffic cancelled for Easy To Reach calls.
- HTR\_DR: Provides percentage of direct-routed traffic cancelled, for Hard To Reach calls.
- HTR\_AR: Provides percentage of alternate-routed traffic cancelled, for Hard To Reach calls.
- Announcement: Indicates cancelled traffic directed to emergency announcement 1, announcement 2, or No circuit announcement.
- cntltxt: Indicates the CANT control was applied or removed automatically by dynamic overload control (DOC) signal, manually at the MAP, or automatically by the EADAS/NM system.

---

**NWM102 (A59028697) (end)**

---

- OFRD: Provides peg count of number of calls routed to trunk group since the last TRKdump to holding register.
- OVFL: Provides peg count of number of calls that overflowed from trunk group since the last TRK dump to holding register.
- DEFLD: Provides peg count of number of calls deflected from the trunk group by the CANT control since the last TRK dump to holding registers.

## NWM103 (A59028697)

---

### Log name

NWM103

### Log status

Changed

### Feature number and name

A59028697 - Enhancement to Cancel To (CANT), Cancel From (CANF), SKIP and Flexible ReRoute (FRR) Controls

### Log description

NWM103 log is generated when a CANF control is applied or removed.

#### Format

```
NWM103 MAY25 16:35:16 2500 INFO
CANF_ON ISUPT2
ETR_DR=12% ETR_AR=23% HTR_DR=34% HTR_AR=45%

NCA MANUAL OFRD=0 OVFL=0 DEFLD=0
```

#### Field Information

Fields are described as follows:

- INFO: Indicates activity through the NWM subsystem.
- canftxt: Indicates CANF control activated or deactivated.
- CLLI: Identifies trunk group affected. Refer to customer data Table CLLI for valid entries. List CLLI from CI MAP level for office cli.
- DR, ETR\_DR: Provides percentage of direct-routed traffic cancelled for Easy To Reach calls.
- AR, ETR\_AR: Provides percentage of alternate-routed traffic cancelled for Easy To Reach calls.
- HTR\_DR: Provides percentage of direct-routed traffic cancelled, for Hard To Reach calls.
- HTR\_AR: Provides percentage of alternate-routed traffic cancelled, for Hard To Reach calls.
- Announcement: Indicates cancelled traffic directed to emergency announcement 1, announcement 2, or No circuit announcement.
- cntltxt: Indicates the CANT control was applied or removed automatically by dynamic overload control (DOC) signal, manually at the MAP, or automatically by the EADAS/NM system.

---

**NWM103 (A59028697) (end)**

---

- OFRD: Provides peg count of number of calls routed to trunk group since the last TRKdump to holding register.
- OVFL: Provides peg count of number of calls that overflowed from trunk group since the last TRK dump to holding register.
- DEFLD: Provides peg count of number of calls deflected from the trunk group by the CANT control since the last TRK dump to holding registers.

## NWM104 (A59028697)

---

### Log name

NWM104

### Log status

Changed

### Feature number and name

A59028697 - Enhancement to Cancel To (CANT), Cancel From (CANF), SKIP and Flexible ReRoute (FRR) Controls

### Log description

NWM104 log is generated when a SKIP control is applied or removed.

#### Format

```
NWM104 MAY25 17:19:31 4500 INFO
SKIP_ON ISUPT2
ETR_DR=23% ETR_AR=34% HTR_DR=45% HTR_AR=22%

MANUAL OFRD=0 OVFL=0 DEFLD=0
```

#### Field Information

Fields are described as follows:

- INFO: Indicates activity through the NWM subsystem.
- skiptxt: Indicates SKIP control activated or deactivated.
- CLLI: Identifies trunk group affected. Refer to customer data Table CLLI for valid entries. List CLLI from CI MAP level for office cli.
- DR, ETR\_DR: Provides percentage of direct-routed traffic cancelled for Easy To Reach calls.
- AR, ETR\_AR: Provides percentage of alternate-routed traffic cancelled for Easy To Reach calls.
- HTR\_DR: Provides percentage of direct-routed traffic cancelled, for Hard To Reach calls.
- HTR\_AR: Provides percentage of alternate-routed traffic cancelled, for Hard To Reach calls.
- Announcement: Indicates cancelled traffic directed to emergency announcement 1, announcement 2, or No circuit announcement.
- cntltxt: Indicates the CANT control was applied or removed automatically by dynamic overload control (DOC) signal, manually at the MAP, or automatically by the EADAS/NM system.

---

**NWM104 (A59028697) (end)**

---

- OFRD: Provides peg count of number of calls routed to trunk group since the last TRKdump to holding register.
- OVFL: Provides peg count of number of calls that overflowed from trunk group since the last TRK dump to holding register.
- DEFLD: Provides peg count of number of calls deflected from the trunk group by the CANT control since the last TRK dump to holding registers.

## NWM107 (A59028697)

---

### Log name

NWM107

### Log status

Changed

### Feature number and name

A59028697 - Enhancement to Cancel To (CANT), Cancel From (CANF), SKIP and Flexible ReRoute (FRR) Controls

### Log description

NWM107 log is generated when a FRR control is applied or removed.

#### Format

```
NWM107 MAY25 17:33:23 3100 INFO
FRR_ON ISUPT2
ETR_DR=10% ETR_AR=10% HTR_DR=10% HTR_AR=11%
IRR
VIA=IBNT2MF
VIAOFC=
CIC PREFIX DESTN_CODE
   NC 4342342342
111 INC 453
   NC 454
   NC 452
   INC 56
232 INC 4598
233 INC 433
   INC 23
   INC 33
111 NC 888
   INC 99
   INC 44
   INC 34
223 NC 8879897683
   INC 99
```

MANUAL OFRD=0 ATTEMPTS=0 FAILURES=0

#### Field Information

Fields are described as follows:

- INFO: Indicates activity through the NWM subsystem.
- frrtxt: Indicates FRR is or is not applied to the specified trunk group.
- cllitxt: Specifies the trunk group on which a FRR control is activated or deactivated.

---

**NWM107 (A59028697) (end)**

---

- DRLEV, DR, ETR\_DR: Provides percentage of direct-routed traffic cancelled for Easy To Reach calls.
- ARLEV, AR, ARLEV: Provides percentage of alternate-routed traffic cancelled for Easy To Reach calls.
- HTR\_DR: Provides percentage of direct-routed traffic cancelled, for Hard To Reach calls.
- HTR\_AR: Provides percentage of alternate-routed traffic cancelled, for Hard To Reach calls.
- Announcement: Indicates cancelled traffic directed to emergency announcement 1, announcement 2, or No circuit announcement.
- optxt: Specifies that only Hard-to-Reach (HTR) calls, Equal Access (EA) calls, or Non-Equal (NEA) calls are affected by the FRR control. Specifies that if calls that have FRR controls.
- cntltype: Indicates the CANT control was applied or removed automatically by dynamic overload control (DOC) signal, manually at the MAP, or automatically by the EADAS/NM system.
- VIA: Specifies the VIA routes (trunk groups) to which calls with the FRR control activated are routed.
- CIC: Specifies Carrier Identification Code.
- PREFIX: Specifies the type of call.
- DESTN\_CODE: Destination Code on which call has to terminate.
- OFRD: Provides peg count of number of calls routed to trunk group since the last TRKdump to holding register.
- ATTEMPTS: Indicates the number of calls offered to the VIA route list. This field reflects the register FRRTGATT in the NWMFRRTG OM group.
- FAILURES: Indicates the number of rerouted calls that failed to find an idle route in the VIA route list. This field reflects the register FRRTGFL in the NWM FFRTS OM group.

## NWM202 (A59028697)

---

### Log name

NWM202

### Log status

Changed

### Feature number and name

A59028697 - Enhancement to Cancel To (CANT), Cancel From (CANF), SKIP and Flexible ReRoute (FRR) Controls

### Log description

NWM202 log is generated when a HTR control is added or deleted.

#### Format

```
REPNAME TYPE EVENT WORDS ALARM SUP RTD LAB OWNER
=====
NWM 202 INFO 14 NO ALARM NO YES NO NWM2UI
FORMAT IS:
```

```
HTRF_&2A&/&2A &R SNPA=&2A SOURCE=&3A
```

#### Field Information

Fields are described as follows:

- Info: Indicates activity through the NWM subsystem.
- htrtxt: Indicates HRT request deactivated. Indicates HRTF request activated.
- codetxt: Indicates HTRF enabled for prefix code directory number. "Prefix" digits here mean digits used to access a network other than the primary access carrier.
- dn: Identifies digit code for which preroute peg count requested. Up to 18 digits can be specified.
- SNPA: SNPA/STS (serving numbering plan area/serving translation scheme) code of digit code pegged. If all NPAs served by the office are controlled by the digit code pegged, ALL is printed. This field is valid only for NAC and AC code types.

---

## PM181 (A59027196)

---

### Log name

PM181

### Log status

Changed

### Feature number and name

A59027196 - ASU Tap Fault Threshold Log

### Log description

The PM181 log introduced by this feature is produced when ten or more 'ASU no reply threshold' tap faults are flagged against one ASU or NIU unit over a period of twelve hours or less.

#### Format

```
**PM181 mmmdd hh:mm:ss log no INFO
LIM nn FBus n Tap nn
This tap has experienced at least ten ASU no reply
threshold faults over the past twelve hours.
Processor card on ASU nnn is suspected of being faulty.
ACTION: replace the following processor card as per
the Card Replacement Procedures NTP
Site Flr RPos Bay_id Shf Description Slot EqPEC

cccc nn cnn ccc nnn nn ccc nn ccncc cccc
```

#### Field Information

Fields are described as follows:

- LIM: Link Interface Module
- FBus: Frame Transport Bus
- Tap
- ASU: ASU or NIU unit
- Site
- Flr: Floor
- RPos: Row Position
- Bay\_id: Bay identifier
- Shf: Shelf
- Description: Card description

**PM181 (A59027196)** (end)

---

- Slot: Slot number
- EqPEC: ccnncc cccc

---

# 13 New software optionality controls

---

## Introduction

This chapter describes DMS-100 software optionality controls (SOC) introduced by this release.

## **AIN00301 (A59037100)**

---

### **Software optionality control name**

AIN00301

### **Software optionality control status**

New

### **Feature number and name**

A59037100 - AIN Timeout Phase II

A59037082 - AIN Disconnect Phase II

### **Software optionality control description**

AIN SE 10 O\_Disconnect Events

### **Control type**

State

### **Order code**

AIN00301

### **Defined in DRU**

CNA

### **Affected products**

The following are products using the software support type of SOC control.

- LLT00016
- LEC00016
- LET00016

## **AIN00301 (A59037100)**

---

### **Software optionality control name**

AIN00302

### **Software optionality control status**

New

### **Feature number and name**

A59037100 - AIN Timeout Phase II

A59037082 - AIN Disconnect Phase II

### **Software optionality control description**

AIN SE R10 Timeout Event

### **Control type**

State

### **Order code**

AIN00302

### **Defined in DRU**

CNA

### **Affected products**

The following are products using the software support type of SOC control.

- LLT00016
- LEC00016
- LET00016

## **AIN00303 (A59028621)**

---

### **Software optionality control name**

AIN00303

### **Software optionality control status**

New

### **Feature number and name**

A59028621 - STR-Connection Timer

### **Software optionality control description**

AIN SE R10 TSTRC Timer Enhancement

### **Control type**

State

### **Order code**

AIN00303

### **Defined in DRU**

CNA

### **Affected products**

The following are products using the software support type of SOC control.

- LLT00016
- LEC00016
- LET00016

**AIN00304 (A59028643)**

---

**Software optionality control name**

AIN00304

**Software optionality control status**

New

**Feature number and name**

A59028643 - Carrier Support for Send To Resource/Send To Resource(STR)  
Response Translations Modifications

**Software optionality control description**

AIN SE NA016 Carrier STOR & STR Translations

**Control type**

State

**Order code**

AIN00304

**Defined in DRU**

CNA

**Affected products**

Not applicable

## **AIN00305 (A59036223)**

---

### **Software optionality control name**

AIN00305

### **Software optionality control status**

New

### **Feature number and name**

A59036223 - Geodetic Location Parameter in AIN Triggers

A59036234 - Geodetic Location Parameter in TAT Trigger

### **Software optionality control description**

GLP parm on AIN Triggers

### **Control type**

State

### **Order code**

AIN00305

### **Defined in DRU**

CNA

### **Affected products**

The following are products using the software support type of SOC control.

- LLT00017
- LEC00017
- LET00017

**AIN00306 (A59037140)**

---

**Software optionality control name**

AIN00306

**Software optionality control status**

New

**Feature number and name**

59037140 - AIN: Connect To Resource

**Software optionality control description**

AIN SE NA017 CTR in CPH (internal)

**Control type**

State

**Order code**

AIN00306

**Defined in DRU**

CNA

**Affected products**

Not applicable

## **AIN00308 (A59037130)**

---

### **Software optionality control name**

AIN00308

### **Software optionality control status**

New

### **Feature number and name**

A59037130 - Advanced Intelligent Network Scope Change Tool

### **Software optionality control description**

AIN SE R10 Scope Change Tool

### **Control type**

State Controlled

### **Order code**

AIN00308

### **Defined in DRU**

CNA

### **Affected products**

The following are products using the software support type of SOC control.

- LLT
- LEC
- LET

## **ENS00019 (A59036223)**

---

### **Software optionality control name**

ENS00019

### **Software optionality control status**

New

### **Feature number and name**

A59036223 - Geodetic Location Parameter in AIN Triggers

A59036234 - Geodetic Location Parameter in TAT Trigger

### **Software optionality control description**

GLP parm on TAT Triggers

### **Control type**

Track SOC

### **Order code**

ENS00019

### **Defined in DRU**

CNA

### **Affected products**

The following are products using the software support type of SOC control.

- LLT00017
- LEC00017
- LET00017

## **RES00085 (A59030419)**

---

### **Software optionality control name**

RES00085

### **Software optionality control status**

New

### **Feature number and name**

A59030419 - SimRing Virtual DN

### **Software optionality control description**

SimRing Virtual DN

### **Control type**

state

### **Order code**

RES00085

### **Defined in DRU**

CCM

### **Affected products**

The following are products using the software support type of SOC control.

- CCM17

---

# 14 Changed software optionality controls

---

## Introduction

This chapter describes DMS-100 software optionality controls (SOC) modified by this release.

## **OAM00012 (A59028697)**

---

### **Software optionality control name**

OAM00012

### **Software optionality control status**

New

### **Feature number and name**

A59028697 - Enhancement to Cancel To (CANT), Cancel From (CANF), SKIP and Flexible ReRoute (FRR) Controls

### **Software optionality control description**

ENH NWM TG CONTROLS. When the SOC is turned ON enhanced CANT, CANF, SKIP and FRR controls are active otherwise old CANT, CANF, SKIP and FRR controls are active

### **Control type**

State

### **Order code**

OAM00012

### **Defined in DRU**

SHR

### **Affected products**

The following are products using the software support type of SOC control.

- EADAS
- NWM

## **RES00097 (A59030406)**

---

### **Software optionality control name**

RES00097

### **Software optionality control status**

New

### **Feature number and name**

A59030406 - Talking Call Waiting Enhancement

### **Software optionality control description**

TCW SCWID/DSCWID Enhancement

### **Control type**

State

### **Order code**

RES00097

### **Defined in DRU**

CNA

### **Affected products**

The following are products using the software support type of SOC control.

- CNA016



---

# 15 Changed automatic message accounting records

---

## Introduction

This chapter describes DMS-100 automatic message accounting (AMA) records modified by this release.

## Code 0220/0221 (A59037140)

---

### Feature number and name

A59037140 - AIN: Connect To Resource

### Status

Changed

Feature number	Feature title	Format affected	Application
A59037140	AIN: Connect To Resource		DMS100/200

### Feature summary

This activity implements the functionality for the Service Switching Point (DMS-100 SSP) to process the Connect\_To\_Resource (CTR) message. The Connect\_To\_Resource message is returned in response to a midcall trigger/event to connect a user (in talking state) to a resource. CTR response is supported only for Timeout and O-Disconnect events.

### AMA changes

The SSP shall generate a Structure Codes 0220/0221 for the transaction using the *AMAslpID* parameter value "900000050" in the structure and a Call Type Code '047' in the structure if all the conditions below hold, and append Module Code 290 to it:

- A Resource Timing Module (Code 290) is generated (regardless of the Package type).
- Either the final response message from the SCP/Adjunct following the completion of a CTR connection does not contain an *AMAslpID* parameter, the CTR itself is the final response message, or the call terminates (e.g., the caller abandons) before the final response is received.

#### Structure codes

0020/0221

#### Module codes

029, 290, 229

**Module code 029:** When the SSP receives a Connect To Resource message from the SCP/Adjunct containing an *AMAslpID* parameter, an

---

**Code 0220/0221 (A59037140) (end)**

---

AMAAAlternateBillingNumber parameter, and no AMASequenceNumber parameter, the SSP will generate the Module Code of 029.

**Module code 290:** When the SSP receives a Connect To Resource message from the SCP/Adjunct that does not contain a *Destination Address* parameter, but does contain an *AMAMeasure* parameter (whose value indicates that a duration time must be recorded) the SSP will measure the duration time associated with the user's actual connection to that internal SSP resource and the SSP will generate a module code of 290.

**Module code 229:** When the SSP receives a CTR message from the SCP/Adjunct containing an AMAslpID parameter, an AMAAlternateBillingNumber parameter, and an AMASequenceNumber parameter, the SSP will generate the module code of 229..

**Table fields**

Unchanged

**Other changes**

The following additional changes are related to the administration and maintenance of AMA in the DMS.

**Data schema tables**

Not applicable

**Datafill sequence**

Not applicable

**Command interfaces**

Not applicable

**Logs**

Not applicable

**Operational measurement groups**

Not applicable

**DMS data store**

Not applicable

## Code 0220 (A59028643)

---

### Feature number and name

A59028643 - Carrier Support for Send To Resource/Send To Resource(STR)  
Response Translations Modifications

### Status

Changed

Feature number	Feature title	Format affected	Application
A59028643	Carrier Support for Send To Resource/Send To Resource(STR) Response Translations Modifications		DMS100/200

*Note:* The Carrier Access record generation is controlled by the BILLING option provided while the Send\_To\_Resource specific Destination Address based line attributes are available in the table STRATTRS. If the BILLING option is set to N in the corresponding tuple, no Carrier Access Record (Switch based or AIN AMA record) will be generated. If the corresponding tuple is not available, the Carrier Access record will be generated, as default.

### Feature summary

This activity will introduce on the SSP, the support for Carrier, Alternate Carrier, and Second Alternate Carrier in the Send\_To\_Resource message. This activity will also implement a new translation pattern for processing the Destination Address.

### AMA changes

When the resource timing module is to be generated for connection involving IC facilities, the SSP generates an AIN AMA record (Call Type Code 110, Structure Code 0220) with the originating DN as the triggering number and terminating DN as the IP DN and AMAslpID in the Send\_To\_Resource message is used in the AMA record.

### Structure codes

0220

**Module codes**

Unchanged

**Table fields**

Unchanged

**Other changes**

The following additional changes are related to the administration and maintenance of AMA in the DMS.

**Data schema tables**

Not applicable

**Datafill sequence**

Not applicable

**Command interfaces**

Not applicable

**Logs**

Not applicable

**Operational measurement groups**

Not applicable

**DMS data store**

Not applicable

## Code 0220 (A59037100)

---

### Feature number and name

A59037100 - AIN Timeout Phase II

A59037082 - AIN Disconnect Phase II

### Status

Changed

Feature number	Feature title	Format affected	Application
A59037100	AIN Timeout Phase II		DMS100/200
A59037082	AIN Disconnect Phase II		DMS100/200

*Note:* GR1298 does not have any CPH specific AMA requirements and indicates that the requirements for any other OCM/TCM NEL applies to Timeout also.

### Feature summary

This Activity has been implemented to enhance the NA016 Timeout (59028609) and Disconnect (59028631) features based on the enhancements in GR1298 Issue-6.

### AMA changes

The SSP will generate an AMA record containing Structure Code 0220, when an AMAslpID parameter is correctly received in the Disconnect response and Timeout was armed in either Collect\_Info or Analyze\_Route Message.

#### Structure codes

0220

#### Module codes

Unchanged

#### Table fields

Unchanged

## **Other changes**

The following additional changes are related to the administration and maintenance of AMA in the DMS.

### **Data schema tables**

Not applicable

### **Datafill sequence**

Not applicable

### **Command interfaces**

Not applicable

### **Logs**

Not applicable

### **Operational measurement groups**

Not applicable

### **DMS data store**

Not applicable

## Code 0221 (A59037100)

---

### Feature number and name

A59037100 - AIN Timeout Phase II

A59037082 - AIN Disconnect Phase II

### Status

Changed

Feature number	Feature title	Format affected	Application
A59037100	AIN Timeout Phase II		DMS100/200
A59037082	AIN Disconnect Phase II		DMS100/200

*Note:* GR1298 does not have any CPH specific AMA requirements and indicates that the requirements for any other OCM/TCM NEL applies to Timeout also.

### Feature summary

This Activity has been implemented to enhance the NA016 Timeout (59028609) and Disconnect (59028631) features based on the enhancements in GR1298 Issue-6.

### AMA changes

The SSP will generate Structure Code 0221 when an AMAslpID parameter is correctly received in the Disconnect response and Timeout was armed in an Offer\_Call Response.

#### Structure codes

0021

#### Module codes

Unchanged

#### Table fields

Unchanged

## **Other changes**

The following additional changes are related to the administration and maintenance of AMA in the DMS.

### **Data schema tables**

Not applicable

### **Datafill sequence**

Not applicable

### **Command interfaces**

Not applicable

### **Logs**

Not applicable

### **Operational measurement groups**

Not applicable

### **DMS data store**

Not applicable

## Code 0625 (A59028643)

---

### Feature number and name

A59028643 - Carrier Support for Send To Resource/Send To Resource(STR) Response Translations Modifications

### Status

Changed

Feature number	Feature title	Format affected	Application
A59028643	Carrier Support for Send To Resource/Send To Resource(STR) Response Translations Modifications		DMS100/200

*Note:* In case, the Destination Address based line attributes are applicable to the Send\_To\_Resource transaction, the attributes will be the originating DN for the Send\_To\_Resource transaction records. This is applicable only to the Send\_To\_Resource transaction and not to any subsequent trigger/response in the further leg of the call.

### Feature summary

This activity will introduce on the SSP, the support for Carrier, Alternate Carrier, and Second Alternate Carrier in the Send\_To\_Resource message. This activity will also implement a new translation pattern for processing the Destination Address.

### AMA changes

When a Send\_To\_Resource message contains an IP DN that requires use of IC facilities for call routing, and the AMAsIpID parameter is not received with the Send\_To\_Resource message, then the SSP generates a carrier access record (Call Type 110, Structure Code 0625) with the originating DN as the triggering number and terminating DN as the IP DN. The special AMAsIpID parameter 900000050 is used if no AMAsIpID is received in the final response message..

### Structure codes

0625

---

**Code 0625 (A59028643)** (end)

---

**Module codes**

Unchanged

**Table fields**

Unchanged

**Other changes**

The following additional changes are related to the administration and maintenance of AMA in the DMS.

**Data schema tables**

Not applicable

**Datafill sequence**

Not applicable

**Command interfaces**

Not applicable

**Logs**

Not applicable

**Operational measurement groups**

Not applicable

**DMS data store**

Not applicable

**Code 090 (A59028643)**

---

**Feature number and name**

A59028643 - Carrier Support for Send To Resource/Send To Resource(STR)  
Response Translations Modifications

**Status**

Changed

Feature number	Feature title	Format affected	Application
A59028643	Carrier Support for Send To Resource/Send To Resource(STR) Response Translations Modifications		DMS100/200

**Feature summary**

This activity will introduce on the SSP, the support for Carrier, Alternate Carrier, and Second Alternate Carrier in the Send\_To\_Resource message. This activity will also implement a new translation pattern for processing the Destination Address.

**AMA changes**

When the Send\_To\_Resource message received by the SSP contains an AMAslpID parameter and an AMAMeasure parameter with a value of "connectTimeRecordedDestinationSSP," the SSP creates the Resource Timing Module 290 with the elapsed time as zero for interexchange facilities for routing.

**Structure codes**

Unchanged

**Module codes**

290

**Table fields**

Unchanged

## **Other changes**

The following additional changes are related to the administration and maintenance of AMA in the DMS.

### **Data schema tables**

Not applicable

### **Datafill sequence**

Not applicable

### **Command interfaces**

Not applicable

### **Logs**

Not applicable

### **Operational measurement groups**

Not applicable

### **DMS data store**

Not applicable



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## 16 Cross-references

---

The following table lists all features with OAM&P changes for this release. The table is arranged by feature number, feature name, design layer, functional group order code, and functionality order code. Refer to specific chapters for the details of the OAM&P changes for these features. Use the following information to interpret the cross-references table:

- Information in the table is PRELIMINARY.
- Features are listed in alphanumerical order.
- The same feature name is sometimes used with several feature numbers when the feature applies to more than one design release unit (DRU). The following DRUs are included:
  - BAS - Base
  - CCM - DMS-100 Common
  - CNA - DMS-100 North America
  - SHR - Shared
  - TL - Telecom
  - XPM - Extended Peripheral Module
- When “NA” is in the columns “Functional group order code” or “Functionality order code”, this means the code for that specific feature is not applicable. If the column is blank, no information is available.

Although this document is North America-specific, the actual design documentation can be contained in a feature with a DRU such as Asia-Pacific (APC), Europe (CUE), or World Trade (WT). For more information about the design layers, contact your regional Nortel Networks representative.

**Table 16-1 Cross-references for NA016 and NA017**

<b>Feature number</b>	<b>Feature name</b>	<b>DRU</b>	<b>Functional group order code</b>	<b>Functionality order code</b>
A59027196	ASU Tap Fault Threshold Log	CCM 16		
A59028609 see A59037100	Timeout Requested Event	CNA 16	AIN00302	AIN00302
A59028621	STR-Connection Timer	CNA 16	AIN00303	AIN00303
A59028631 see A59037100	AIN:O_Disconnect Event	CNA 16	AIN00301	AIN00301
A59028643	Carrier Support for Send To Resource/Send To Resource(STR) Response Translations Modifications	CNA 16	AIN00304	AIN00304
A59028697	Enhancement to Cancel To (CANT), Cancel From (CANF), SKIP and Flexible ReRoute (FRR) Controls	SHR 16	OAM00012	OAM00012
A59028729	FLASHING ANI Enhancements and WLS911 Enhancements	CCM 16		
A59028955	ICM Route Call Msg Enhancement For Customized Display	CCM 16		
A59029017	FNPACONT Data Call Routing	CCM 16		
A59029045	Extended Calling Services(ECS) Enhancement Service	CCM 16		
A59029627	E911: Log and ISUP Enhancements	CNA 16		
A59030406	OM's for Series Completion (SCMP) Lines	CCM 16		
A59030419	SimRing Virtual DN	CCM 17	RES00085	RES00085
A59030434	Talking Call Waiting Enhancement	CNA 16	RES00097	RES00097

Table 16-1 Cross-references for NA016 and NA017

Feature number	Feature name	DRU	Functional group order code	Functionality order code
A59033985	PRI 1 Way Trunks	SHR 17		
A59035336	PRI Translation Enhancements	CNA 17		
A59036223/ A59036234	Geodetic Location Parameter in AIN Triggers/Geodetic Location Parameter in TAT Trigger	CNA 17	AIN00305	AIN00305/ ENS00019
A59037100/ A59037082	AIN Timeout Phase II/AIN Disconnect Phase II	CNA 17	AIN00302	AIN00301/ AIN00302
A59037130	Advanced Intelligent Network Scope Change Tool	CNA 17	AIN00308	AIN00308
A59037140	AIN: Connect To Resource	CNA 17	AIN00306	AIN00306





DMS-100 Family  
**North American DMS-100 OAM&P**  
**Change Document**  
Reference Manual

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