DIV. 6: ISDN BRCS FORMS

SEC. 2: AUTOMATIC CUSTOMER STATION REARRANGEMENT FORMS

SEC. 2A: 5959-1 RECORD
ISDN ACSR FEATURE DEFINITION FORM - ACSRFD

1. GENERAL

The 5959-1 Record is available with 5E5 and later Software Releases. The ACSRFD form is used to define the various combination of options associated with the ISDN ACSR (Automatic Customer Station Rearrangement) feature.

The ISDN ACSR feature provides a user the ability to change their physical location and retain their current TN (telephone Number), features and group memberships and restrictions without using a service order.

Each terminal (line) which is to use the ACSR feature must be assigned an ACSR feature name, defined on the ACSRFD form, on the appropriate feature assignment form, LINEFA form, BFG form, or an associated CLUSTR form. Only one ACSR feature can be assigned per line. ACSR features can only be assigned to ISDN lines (other than ISDN Attendants and Multi-Line Hunt).

The line (TN) which is assigned an ISDN ACSR feature must be defined on a DSLUSR form (5908 Record) as CKT TN. Both PPB1 USR and PPB2 USR must be set to "N" or blank on the DSLUSR form. ACSR GRP entered on the ACSRFD or ACSRLPA form must match the ACSR GRP entered on an associated DSL form (5907 Record) for this TN.

Certain ISDN ACSR features are predefined and automatically provided in the ODA database at the time of office origination. These are called preconstructed features. Preconstructed feature names all start with a slash (/), and the slash may not be used as the first character of any feature other than the preconstructed feature. A list of the preconstructed features is contained in Figure 1 .

1.1 Recent Change View

The corresponding Recent Change View for this form is 12.50.

2. FORM AND RECORD ENTRIES

2.1 BASE AND CONTROL, ESS UNIT

Enter the Base and Control Number and Office Name on each record.

2.2 * FEATURE

Description: Enter the ISDN Automatic Customer Station Rearrangement Feature name. There are no restrictions on the valid characters except that the first character may not be a slash (/). Feature names starting with a slash are reserved for preconstructed features.

Required Field.
Valid Entries: 1 - 8 characters

2.3 REMARKS

Description: Enter a descriptive comment.
Valid Entries: 1 - 32 characters

FEATURE OPTIONS

The following fields (Section 2.4 - Section 2.5) define the feature options.

2.4 AMA REC

Description: Will an AMA billing record be generated for lines assigned the ACSR feature after an ACSR move?

Required Field.
Default: N
Valid Entries: Y, N

2.5 GRP CNTRL

Description: Is the line assigned this ACSR feature allowed to modify the ACSR group status via a dialed code? The group status is assigned on the ACSRGP form (5959-2 Record) in field GRP ACTIVE.

Required Field.
Default: N
Valid Entries: Y, N

Data Rules:

If GRP CNTRL is "Y", and this feature is assigned to a line, then the line should be assigned a dialing code (on an associated PDIT and/or IDPDCA form) with ACTION equal to "ACSRON" and "ACSROFF".

DEFAULT PARAMETERS

The following fields (Section 2.6 - Section 2.7) define the default parameters assigned with the feature to terminals (lines). These parameters will be assigned to the terminal unless they are overriden by entries on the ACSRLPA forms.

2.6 ACSR GRP

Description: Enter the name of the ACSR Group. There are no restrictions on valid characters.
Valid Entries: 1 - 8 characters

Data Rules:

The name entered here must be that of an ACSR Group defined on an ACSRGP form and assigned on the DSL form.

If the ACSR GRP is not assigned on this form, it must be individually assigned to each member via the ACSRLPA form (5959-3 Record).

2.7 PIN REQ

Description: Is a PIN (Personal Identification Number) required by the user before invocation of the ACSR feature?

Required Field.
Default: N
Valid Entries: Y, N

Data Rules:

If PIN REQ is set to "Y", then a PIN must be defined on the PIDEF form (5117 Record) for the line associated with this ACSR feature.

ESS 5959-1(01)TG-5   ISDN ACSR FEATURE DEFINITION RECORD   DATE _____
ACSRFD   5ESS SWITCH
12.50
BASE_____CONT GR____   5ESS UNIT _____   PAGE_____

FEATURE	REMARKS	FEATURE OPTIONS		DEFAULT PARAMETERS	
		AMA REC	GRP CNTRL	ACSR GRP	PIN REQ
/SR*	WILD CARD ACSR FEATURE	N	Y		N
/SRAG	ACSR-SENSITIVE BILLING GRP - CONTROL	Y	Y		N
/SRAMA	ACSR-SENSITIVE BILLING GRP - NON-CONTROL	Y	N		N
/SRGC	ACSR - FLAT RATE - GROUP CONTROL	N	Y		N
/SRNAG	ACSR - FLAT RATE - NON-CONTROL	N	N		N

Figure 1 PRECONSTRUCTED ISDN ACSR FEATURES

```
acsrfd                              5ESS Switch             _
(5959-1)                    OFFICE DATA ADMINISTRATION
                            ISDN ACSR FEATURE DEFINITION


*2. FEATURE   ACSRFT1              3. REMARKS  _____


============================ FEATURE OPTIONS ==================================
 4. AMA REC   N
 5. GRP CNTRL Y


========================= DEFAULT PARAMETERS ==================================
 6. ACSR GRP  ACSRGP1
 7. PIN REQ   Y
```

Figure 2 SAMPLE ACSRFD FORM   5E5 AND LATER SOFTWARE RELEASES

SEC. 2B: 5959-2 RECORD
ISDN ACSR GROUP PARAMETERS FORM - ACSRGP

1. GENERAL

The 5959-2 Record is available with 5E5 and later Software Releases. The ACSRGP form is used to define the group level of information required for the ISDN ACSR (Automatic Customer Station Rearrangement) capability.

Each terminal (line) which is to use the ISDN ACSR capability must be assigned an ISDN ACSR feature name, defined on the ACSRFD form (5959-1 Record), on the appropriate feature assignment form, LINEFA, BFG or an associated CLUSTR form. In addition, each terminal must be assigned to an ISDN ACSR Group which may be defined as a default parameter of the ACSRFD form, or on an individual terminal basis with the ACSRLPA forms. The ACSR Group must also be assigned on the DSL form (5907 Record).

1.1 Recent Change View

The corresponding Recent Change View for this form is 4.47.

2. FORM AND RECORD ENTRIES

2.1 BASE AND CONTROL, ESS UNIT

Enter the Base and Control Number and Office Name on each record.

2.2 * ACSR GRP

Description: Enter the name of the ISDN ACSR Group. There are no restrictions on the valid characters.

Required Field.
Valid Entries: 1 - 8 characters

2.3 RNGBK TYPE

Description: Enter the ISDN ACSR Ringback Type. This field indicates the type of ringing to be applied for the ISDN ACSR ringback call. After the completion of an ACSR move, whether successful or unsuccessful, the user will be rung back.

Required Field.
Default: A
Valid Entries:

Valid RNGBK TYPE Entries	
Entry	**Definition**
A	A repeated pattern of 2 seconds on followed by 4 seconds off.
B	A repeated pattern of 0.8 seconds on, 0.4 seconds off,
C	A repeated pattern of 0.4 seconds on, 0.2 seconds off,
D	A repeated pattern of 1 second on, 1 second off, 1 second on,
E	4-wire ringing pattern 2 seconds on followed by 4 seconds off.
F	4-wire ringing pattern of 1.65 seconds on, 0.35 seconds off.
P	A ringing pattern of 1.64 seconds on, 0.36 seconds off.

2.4 RNG MAX

Description: Enter the ISDN ACSR ringback interval. This field indicates the number of seconds to allow ringing to occur during an ISDN ACSR ringback call.

Required Field.
Default: 24
Valid Entries: 24, 30, 36, 42, or 48 (seconds)

2.5 GRP ACTIVE

Description: Is the ISDN ACSR Group active?

A user with GRP CNTRL set to "Y" on an associated ACSRFD form can modify this group status via dialed codes.

Required Field.
Default: Y
Valid Entries: Y, N

2.6 BCID

Description: Enter the Business Customer Identifier. Messages sent to an external processor (i.e., AP) concerning ACSR moves will include this number for identifying the user on the external processor.
Valid Entries: 1 - 65535

Data Rules:

BCID and AP SITE ID must both be entered or both be blank.

2.7 AP SITE ID

Description: Enter the Application Processor ID. The AP SITE ID specifies the destination AP (or external processor) that messages are sent to regarding ACSR moves from users associated with this ISDN ACSR group.
Valid Entries: 1 - 255

Data Rules:

Both BCID and AP SITE ID must be entered or left blank. The AP SITE ID entered here must be defined on a DSLAP form (5963 Record).

```
acsrgp                           5ESS Switch              _
(5959-2)                   OFFICE DATA ADMINISTRATION
                           ISDN ACSR GROUP PARAMETERS


*1. ACSR GRP   ACSRGP1
 2. RNGBK TYPE A
 3. RNG MAX    24
 4. GRP ACTIVE Y
 5. BCID       _____
 6. AP SITE ID ___
```

Figure 1 SAMPLE ACSRGP FORM   5E5 AND LATER SOFTWARE RELEASES

SEC. 2C: 5959-3 RECORD
ISDN ACSR LINE PARAMETERS FORM - ACSRLPA

1. GENERAL

The 5959-3 Record is available with 5E5 and later Software Releases. The ACSRLPA form is used when assigning ISDN ACSR (Automatic Customer Station Rearrangement) features to ISDN lines (other than ISDN Attendants and Multi-Line Hunt). The ACSRLPA form is used to assign ISDN ACSR feature parameters to lines if the default parameters on the ACSRFD form (5959-1 Record) are inappropriate or unspecified.

1.1 Recent Change View

The corresponding Recent Change View for this form is 1.49.

2. FORM AND RECORD ENTRIES

2.1 BASE AND CONTROL, ESS UNIT

Enter the Base and Control Number and Office Name on each record.

2.2 * TN

Description: Enter the Telephone Number of the line.

Required Field.
Valid Entries:
    For 5E11 and earlier: 7 digits
    For 5E12 and later: XXXXXXX or NXXXXXXXXX where N is 2 - 9 and X is 0 - 9

Data Rules:

For 5E12 and later, TN/FEATURE combinations on different ACSRLPA forms can not be duplicated.

For 5E12 and later, if the first 3 digits of the 7-digit TNs on the ACSRLPA form are equivalent to an OFFICE CODE on the NOC form, and there is more than one NOC form with the same value for OFFICE CODE, or the NOC form does not exist, the 7-digit TN(s) must be a 10-digit TN with the NPA/OFFICE CODE defined on the NOC form.

2.3 * FEATURE

Description: Enter the ISDN ACSR Feature name. There are no restrictions on the valid characters.

Required Field.
Valid Entries: 1 - 8 characters

Data Rules:

The name entered here must be that of an ISDN ACSR Feature defined on the ACSRFD form.

2.4 ACSR GRP

Description: Enter the name of the ISDN ACSR Group. There are no restrictions on the valid characters.

Valid Entries: 1 - 8 characters

Data Rules:

The name entered here must be that of an ISDN ACSR Group defined on an ACSRGP form (5959-2 Record).

When an ISDN ACSR feature is assigned to a line, then the ACSR GRP must be defined, either on the ACSRFD form or the ACSRLPA form. The ACSR GRP must also be assigned on the DSL form (5907 Record).

If the ACSR GRP is not assigned on the associated ACSRFD form, it must be entered on this form.

2.5 PIN REQ

Description: Is a PIN (Personal Identification Number) required by the user before invocation of the ACSR feature?

Required Field.
Default: N
Valid Entries: Y, N

Data Rules:

If PIN REQ is set to "Y", then a PIN must be defined on the PIDEF form (5117 Record) for the line associated with this ACSR feature.

```
acsrlpa                         5ESS Switch           _
(5959-3)                  OFFICE DATA ADMINISTRATION
                          ISDN ACSR LINE PARAMETERS


*1. TN          5109999
*2. FEATURE     ACSRFT1
 3. ACSR GRP    ACSRGP1
 4. PIN REQ     N
```

Figure 1 SAMPLE ACSRLPA FORM   5E11 AND EARLIER SOFTWARE RELEASES

```
acsrlpa                         5ESS Switch           _
                          OFFICE DATA ADMINISTRATION
(5959-3)                   ISDN ACSR LINE PARAMETERS


*1. TN          _____
*2. FEATURE     _____
 3. ACSR GRP    _____
 4. PIN REQ  N
```

Figure 2 SAMPLE ACSRLPA FORM   5E12 AND LATER SOFTWARE RELEASES

SEC. 3: ISDN INTERCOM FORMS

SEC. 3A: 5960-1 RECORD
ISDN INTERCOM FEATURE DEFINITION FORM - ICMFD

1. GENERAL

The 5ESS Switch 5960-1 Record is available with 5E4(2) and later Software Releases. ISDN Intercom is a form of ISDN station to station calling. It is a dedicated feature button approach using general call appearances. ISDN Intercom calling requires a feature button.

1.1 CA-ICOM Features

The ICMFD form is used to define FB-ICOM (Feature Button Intercom) features. These are distinct from the CA-ICOM (Call Appearance Intercom) feature that is available for 5E9(1) and later. The CA-ICOM feature, which meets the Bellcore requirements for National ISDN, is available for Standard DSL users with CACH terminals. It is not a BRCS feature and is not defined on this ICMFD form or its related forms; rather, it is assigned on the CAICOM form (5984 Record).

To accommodate the transition from FB-ICOM to CA-ICOM features, both types of ICOM features will be available for Standard DSL users in the 5E9(1) Software Release. For 5E9(2) and later, FB-ICOM features will not be assignable to Standard DSL users.

For 5E9(1) only, when an FB-ICOM feature is assigned to a Standard DSL user, a warning will indicate that the assignment will not be supported after 5E9(1) and will suggest that a CAICOM feature be assigned. For 5E9(2) and later, this FB-ICOM assignment will not be allowed.

FB-ICOM and CA-ICOM may not both be assigned to the same line.

1.2 FB-ICOM Features

A Feature Button Intercom user can originate a call to the Intercom group member by pushing the Intercom feature button, then going off-hook (or vice versa) and optionally dialing one or two digits.

Certain Feature Button Intercom features are predefined and automatically provided in the ODA database at the time of office registration. These are called preconstructed features. Preconstructed feature names all start with a slash (/) and the slash may not be used as the first character of any feature other than preconstructed features. A list of the preconstructed Intercom features is contained in Figure 1 .

Each terminal (line) which is to use a Feature Button Intercom feature must be assigned the feature (defined on this ICMFD form) on the appropriate LINEFA form (5112 Record) or associated CLUSTR form (5600 Record) or BFG form (5625 Record). The corresponding AC field, on the appropriate LINEFA form or associated CLUSTR or BFG form, must be set to "N".

Feature Button Intercom features may not be assigned to Multi-Line Hunt Group lines and therefore cannot be assigned on an MLHLNFA form.

A maximum of ten ICMFD forms may be defined for the office.

1.3 ICM Feature Assignment Rules

A line may be assigned no more than one Feature Button Intercom feature.

When a TN is assigned an ISDN Feature Button Intercom feature on a LINEFA (5112 Record), BFG (5625 Record), or associated CLUSTR form (5600 Record), it must also be assigned a TGSR feature, defined on the

TGSRFD form (5607-1/2 Record). The GROUP ID associated with the TGSR feature on the TGSRFD, BFG, or TGSRLPA form (5607-3 Record) must match the TG ID defined on the ISDN Intercom feature's ICMGP form (5960-2 Record).

For 5E8 and later, when a TN is assigned an ISDN Feature Button Intercom feature, the TN must be defined as a CKT TN on a DSLUSR form (5908 Record) that meets one of the following conditions:

- if DSL CLS on the associated DSL form (where the OE on the DSLUSR form matches the DSL OE on the DSL form) is not "STD", then either CA or CA QTY on the DSLUSR form must have an entry;

- if DSL CLS on the associated DSL form is "STD", EKTS on the DSLUSR form must have an entry.

1.4 Recent Change View

The corresponding Recent Change View for this form is 12.45.

2. FORM AND RECORD ENTRIES

2.1 BASE AND CONTROL, ESS UNIT

Enter the Base and Control Number and Office Name on each record.

2.2 * FEATURE

Description: Enter an ISDN Intercom feature name. The FEATURE entry must be unique. It may not start with a slash (/).

Required Field.
Valid Entries: 1 - 8 characters

2.3 REMARKS

Description: Enter an optional remark.
Valid Entries: 1 - 32 characters

2.4 AMA CHRG

Description: AMA charging. This field is automatically set to "FLAT" and may not be changed.
Default: FLAT
Valid Entries: FLAT

DEFAULT PARAMETERS

The following fields (Section 2.5 - Section 2.8) define the DEFAULT PARAMETERS assigned with the feature to lines. These parameters will be assigned to the line unless they are overridden by entries on the ICMLPA form (5960-3 Record).

GROUP LIST

The four members of the GROUP LIST (Section 2.5 - Section 2.8) correspond to four buttons on ISDN Customer Premises Equipment terminal(s). The buttons are dedicated to ISDN Intercom by entering "I1ICOM", "I2ICOM", "I3ICOM" and "I4ICOM", respectively, in the ACTION field of the BUTTON LIST on a

CFGGRP form (5964 Record). The four buttons are the maximum allowed for an entire Configuration Group.

For 5E5 and later, for each member in the GROUP LIST, an entry must be made in the ICM GRP, the ICM TYPE, and the SOURCE fields.

2.5 ICM GRP

Description: Enter an ISDN Intercom Group Name.
Valid Entries: 1 - 8 characters

Data Rules:

An ICM GRP entry may only be used once in a GROUP LIST. The entry for ICM GRP must be defined in the ICM GRP field on the ICMGP form.

When several Intercom Groups are associated with the same FEATURE, the TG IDs on the corresponding ICMGP forms must be identical.

2.6 ICM TYPE

Description: This field determines whether or not the ISDN Intercom Group will have a maximum of 10 or 100 members.

Software Release: 5E5 and later
Valid Entries:

Valid ICM TYPE Entries	
Entry	**Definition**
ONE	The ISDN Intercom Group allows a maximum of tenmembers.
TWO	The ISDN Intercom Group allows a maximum of 100 members.

2.7 SOURCE

Description: Source of digits for an ISDN Intercom Call.

Valid SOURCE Entries	
Entry	**Definition**
DIAL	A digit or digits are to be dialed after the ISDN Intercom button is pressed.
AUTO	Stored digits.

Data Rules:

If SOURCE is "DIAL", then an entry for AUTO DIAL POSITION must not be made. If SOURCE is "AUTO", then an entry for AUTO DIAL POSITION must be made.

2.8 AUTO DIAL POSITION

Description: The value entered in this field corresponds to the relative position of the called party within an ISDN Intercom Group. The position is defined on an ICMGP form (5960-2 Record).

A group may have up to 100 members; thus, two digits are entered in this field. The first digit points to the key field ICM BLOCK on an ICMGP form. The ICM BLOCK indicates the "tens" group of the position number.

The second digit points to a POSITION on the ICMGP form. The POSITION indicates the "ones" place of the position number. For example, if "89" is entered in this field, the ICM BLOCK field on the ICMGP form would be set to "80" and the POSITION field would be "9". The associated PRIMARY TN on the ICMGP form is the

number of the called party. The ICM GRP key field, on the ICMGP form, will have the same entry as the ICM GRP field on this ICMFD form.

Valid Entries: 00-99

Data Rules:

If SOURCE is "DIAL", this field must not be entered. If SOURCE is "AUTO", this field must have an entry.

For 5E5 and later Software Releases, if the SOURCE field is "AUTO" and the ICM TYPE field is "ONE", then the AUTO DIAL POSITION must be "00" to "09". If the SOURCE field is "AUTO" and the ICM TYPE is "TWO", the AUTO DIAL POSITION must be "00" to "99". If an entry is made for AUTO DIALED POSITION, entries must also be made for ICM GRP and SOURCE.

ESS 5960-1(1/93)TG-5   ISDN INTERCOM FEATURE DEFINITION RECORD   DATE _____
ICMFD   5ESS SWITCH
12.45
BASE_____CONT GR____   5ESS UNIT _____   PAGE_____

FEATURE	FEATURE OPTIONS		DEFAULT PARAMETERS				REMARKS
	AMA CHRG		GROUP LIST				
		ICM GRP	ICM TYPE	SOURCE	AUTO DIAL POSITION		
/IC*	ICOM WILDCARD FEATURE	FLAT	.	.		.	
/IC*			.	.	.		
/IC*			.	.	.		
/IC*			.	.	.		
/ICM	ISDN INTERCOM	FLAT	.	.		.	
/ICM			.	.	.		
/ICM			.	.	.		
/ICM			.	.	.		

Figure 1 PRECONSTRUCTED ICM FEATURES 5E5 AND LATER SOFTWARE RELEASES

```
icmfd                              5ESS Switch              _
(5960-1)                     OFFICE DATA ADMINISTRATION
                          ISDN INTERCOM FEATURE DEFINITION


*1. FEATURE  ICMFEAT                 2. REMARKS _____


============================= FEATURE OPTIONS ==============================
    AMA CHRG FLAT
=========================== DEFAULT PARAMETERS ==============================


                           4. GROUP LIST
    ICM GRP      ICM TYPE      SOURCE     AUTO DIAL POSITION
 1. GRP1           ONE          AUTO            09
 2. GRP2           TWO          DIAL            __
 3. _____       ___          ____            __
 4. _____       ___          ____            __
```

Figure 2 SAMPLE ICMFD FORM   5E5 AND LATER SOFTWARE RELEASES

SEC. 3B: 5960-2 RECORD
ISDN INTERCOM GROUP DIALING PLAN FORM - ICMGP

1. GENERAL

The 5ESS Switch 5960-2 Record is available with 5E4(2) and later Software Releases. The ISDN Intercom Group Dialing Plan form contains information needed to describe the ISDN Intercom group parameters. Information will be entered which will identify the Intercom group name and the Terminal Group identification number.

Up to ten (10) PRIMARY TNs may be entered for this Intercom group. The ten are within the same ICM BLOCK. The ICM BLOCK is the ten's group for the POSITIONs. For example, if the ICM BLOCK is set to 80 and all ten PRIMARY TNs are entered, then the positions 80 through 89 are defined for this Intercom group. An ISDN Intercom group may have a maximum of 100 (10 * 10) members.

For 5E4(2) and later Software Releases, each PRIMARY TN entry in the TN LIST must be unique.

1.1 Recent Change View

The corresponding Recent Change View for this form is 4.24.

2. FORM AND RECORD ENTRIES

2.1 BASE AND CONTROL, ESS UNIT

Enter the Base and Control Number and Office Name on each record.

2.2 * ICM GRP

Description: Enter an ISDN Intercom Group Name. The entry for ICM GRP must be unique.

For 5E8 and earlier, a maximum of 1023 groups can be defined; for 5E9(1) and later, 4095 groups can be defined.

Required Field.
Valid Entries: 1 - 8 characters

2.3 * ICM BLOCK

Description: This field identifies the ten's group that contains the PRIMARY TNs assigned on this form. For example, if 70 were entered in this field, then the PRIMARY TNs would be in POSITIONs 70 through 79 in the ISDN Intercom Group. To enter the maximum of 100 PRIMARY TNs in an ISDN Intercom Group, ten ICMGP forms would have to be submitted.

Required Field.

Software Release: 5E5 and later
Valid Entries: 0, 00, 10, 20, 30, 40, 50, 60, 70, 80, and 90.

2.4 # ICM TYPE

Description: This field is used to indicate if one or two digits will be dialed to access a member of the group.

Software Release: 5E5 and later
Required Field.
Valid Entries:

<div align="center">

Valid ICM TYPE Entries

Entry	Definition
ONE	one digit is to be dialed.
TWO	two digits are to be dialed.

</div>

Data Rules:

If the ICM BLOCK is 0, this field must be set to "ONE". If the ICM BLOCK is not 0, then this field must be set to "TWO".

2.5 TG ID

Description: Enter a Terminal Group Identification number.

Required Field for 5E8 and earlier.
Valid Entries: 1 - 65535

Data Rules:

For 5E9(1) and later, a TG ID must be entered when the ICM GRP is assigned on an ICMFD (5960-1 Record) or ICMLPA (5960-3 Record) form.

2.6 PRIMARY TN

Description: Enter a Primary Telephone Number that can be called in the intercom group.
Valid Entries:
   For 5E11 and earlier: 7 digits
   For 5E12 and later: YXXXXXX or NXXYXXXXXX where N is 2 - 9, Y is 1 - 9 and X is 0 - 9.

Data Rules:

The Primary TN must be unique per form entry and per ICM GRP.

For 5E8 and earlier the entry must be defined in the CKT TN field on a DSLUSR form; for 5E9(1) and later, it must be defined in either the CKT TN, or (for CA-ICOM only) in the CKT MLHG TN field.

For 5E7 and earlier, the FIRST CA and NUM CA fields on the DSLUSR form must have values entered.

For 5E8 and later, the DSLUSR form must meet one of the following conditions:

- if DSL CLS on the associated DSL form (where the OE on the DSLUSR form matches the DSL OE on the DSL form) is not "STD", then either CA or CA QTY on the DSLUSR form must have an entry;

- if DSL CLS on the associated DSL form is "STD", EKTS on the DSLUSR form must have an entry. If the PRIMARY TN is defined in the CKT MLHG TN field, it is assigned a Call Appearance Intercom feature available only for Standard DSL CACH terminals; therefore, on the DSLUSR form, EKTS must be "CACH".

For 5E9(1) and later, the PRIMARY TN is assigned either an ISDN Feature Button Intercom feature or an

ISDN Call Appearance Intercom feature.

If a Feature Button Intercom feature is assigned to the TN (on a LINEFA, BFG, or associated CLUSTR form), it must be defined on an ICMFD form (5960-1 Record). The ICM GRP from this ICMGP form must appear on the associated ICMFD or ICMLPA form (5960-3 Record).

For a Call Appearance Intercom feature, the TN and the ICM GRP must be entered on the CAICOM form (5984 Record).

For 5E12 and later, the PRIMARY TN's in the TN LIST on the ICMGP form must be unique.

```
icmgp                            5ESS Switch            _
(5960-2)                  OFFICE DATA ADMINISTRATION
                          ISDN INTERCOM GROUP DIALING PLAN


                                      5. TN LIST
                               POSITION      PRIMARY TN
*1. ICM GRP    GRP1         1.     0           5550849
*2. ICM BLOCK 20            2.     1           5556268
#3. ICM TYPE   TWO          3.     2           5554700
 4. TG ID      00003        4.     3           5551234
                            5.     4          _____
                            6.     5          _____
                            7.     6          _____
                            8.     7          _____
                            9.     8          _____
                           10.     9          _____
```

Figure 1 SAMPLE ICMGP FORM   5E11 AND EARLER SOFTWARE RELEASES

```
icmgp                            5ESS Switch            _
                          OFFICE DATA ADMINISTRATION
(5960-2)                  ISDN INTERCOM GROUP DIALING PLAN

*1. ICM GRP    _____          5. TN LIST
*2. ICM BLOCK __          ROW POSITION PRIMARY TN
#3. ICM TYPE   ___         1    0      _____
 4. TG ID      _____      2    1      _____
                           3    2      _____
                           4    3      _____
                           5    4      _____
                           6    5      _____
                           7    6      _____
                           8    7      _____
                           9    8      _____
                          10    9      _____
```

ISDN Intercom Group Name. Enter from 1 to 8 characters.

Figure 2 SAMPLE ICMGP FORM   5E12 AND LATER SOFTWARE RELEASES

SEC. 3C: 5960-3 RECORD
ISDN INTERCOM (LINE PARAMETERS) FORM - ICMLPA

1. GENERAL

The 5ESS Switch 5960-3 Record is available with 5E4(2) and later Software Releases. It is used when assigning Intercom features to non-Multi-Line Hunt lines. ISDN Intercom feature parameters are assigned to the lines if the default parameters of the ICMFD form (5960-1 Record) are inappropriate or unspecified.

For 5E9(1) and later, an ISDN Call Appearance Intercom feature is available for Standard DSL terminals. Parameters for that feature, which apply only to EKTS CACH terminals, are defined on the CAICOM form (5984 Record).

This ICMLPA form defines parameters only for ISDN Feature Button Intercom features.

1.1 Recent Change View

The corresponding Recent Change View for this form is 1.45.

2. FORM AND RECORD ENTRIES

2.1 BASE AND CONTROL, ESS UNIT

Enter the Base and Control Number and office name on each record.

2.2 * TN

Description: Enter a valid Telephone Number.

Required Field.
Valid Entries:
    For 5E11 and earlier: 7 digits
    For 5E12 and later: XXXXXXX or NXXXXXXXXX where N is 2 - 9 and X is 0 - 9

Data Rules:

The combination entered for TN and FEATURE must be unique.

For 5E12 and later, if the first 3 digits of the 7-digit TNs on the ICMLPA form are equivalent to an OFFICE CODE on the NOC form, and there is more than one NOC form with the same value for OFFICE CODE, or the NOC form does not exist, the TN must be a 10-digit TN with the NPA/OFFICE CODE defined on the NOC form.

2.3 * FEATURE

Description: Enter a feature name.

Required Field.
Valid Entries: 1 - 8 characters

Data Rules:

The feature must be an ISDN Feature Button Intercom feature, that is, defined in the FEATURE field on an ICMFD form (5960-1 Record). The TN on this form must be assigned the same FEATURE on a LINEFA form, associated CLUSTR form (5600 Record), or BFG form (5625 Record).

For 5E12 and later, TN/FEATURE combinations on different ICMLPA forms cannot be duplicated.

GROUP LIST

For the 5E4(2) Software Release, the GROUP LIST (Section 2.4 - Section 2.8) consists of up to four unique ISDN Intercom Group Names, Digit Source and Dialed Position. The 5E5 and later, it also contains a field to indicate the ISDN Intercom Type.

The four members of the GROUP LIST correspond to four buttons on an ISDN CPE (Customer Premise Equipment) terminal(s). The buttons are dedicated to ISDN Intercom by entering "I1ICOM", "I2ICOM", "I3ICOM", and "I4ICOM", respectively, in the ACTION field of the BUTTON LIST on a CFGGRP form (5964 Record). The four buttons are the maximum allowed for an entire Configuration Group.

2.4 ICM GRP

Description: Enter an ISDN Intercom Group Name.
Valid Entries: 1 - 8 characters

Data Rules:

The entry must be defined in the ICM GRP field on an ICMGP form (5960-2 Record). When several Intercom Groups are associated with the same FEATURE, the TG IDs on the corresponding ICMGP forms must be identical.

An ICM GRP entry may be used only once in a GROUP LIST. For 5E4(2), an entry in ICM GRP requires an entry in the SOURCE field and the DIALED POSITION field. For 5E5 and later, an entry in ICM GRP requires an entry in the ICM TYPE, the SOURCE and the AUTO DIALED POSITION fields.

2.5 ICM TYPE

Description: This field indicates the number of digits that must be dialed to access a group member.

Software Release: 5E5 and later
Valid Entries: ONE or TWO

Data Rules:

ICM TYPE must be entered for each Intercom group assigned.

2.6 SOURCE

Description: Source of digits for an ISDN Intercom Call.

Valid SOURCE Entries	
Entry	**Definition**
DIAL	Dialed digits.
AUTO	Stored digits.

Data Rules:

If SOURCE is "DIAL", then an entry for AUTO DIALED POSITION must not be made. If SOURCE is "AUTO",

then an entry for AUTO DIALED POSITION must be made.

2.7 AUTO DIAL POSITION

Description: The value entered in this field corresponds to the relative position of the called party within an
ISDN Intercom Group. The position is defined on an ICMGP form (5960-2 Record).

For 5E4(2), a group may have up to 10 members, each corresponding to a single digit 0 through 9 entered in
this field. This single digit points to a POSITION and its associated PRIMARY TN on the ICMGP form whose
single key field, ICM GRP, has the same entry as the ICM GRP field on this ICMFD form.

For 5E5 and later, a group may have up to 100 members; thus, two digits are entered in this field. The first
digit points to the key field ICM BLOCK on an ICMGP form; the ICM BLOCK indicates the "tens" group of the
position number. The second digit points to a POSITION on the ICMGP form; the POSITION indicates the
"ones" place of the position number. For example, if 89 is entered in this field, the ICM BLOCK field on the
ICMGP form would be set to 80 and the POSITION field would be 9. The associated PRIMARY TN on the
ICMGP form is the number of the called party. The ICM GRP key field, on the ICMGP form, will have the
same entry as the ICM GRP field on this ICMFD form.
Valid Entries: 00 - 99

Data Rules:

If SOURCE is "DIAL", then this field must not be entered. If SOURCE is "AUTO", then this field must have an
entry.

2.8 TN POSITION

Description: This is a Recent Change verify-only field. This field represents the location of the TN in the
corresponding ICM GRP's TN LIST on the ICMGP form (5960-2 Record). The TN is the originating party in
the ISDN Intercom call.

```
icmlpa                            5ESS Switch              _
(5960-3)                  OFFICE DATA ADMINISTRATION
                        ISDN INTERCOM LINE PARAMETERS


*1. TN       5551234
*2. FEATURE  ABC


                           3. GROUP LIST
                                     AUTO DIAL          TN
     ICM GRP      ICM TYPE      SOURCE      POSITION          POSITION
 1. DEF           ONE          DIAL          __
 2. XYZ           TWO          AUTO          05
 3. GHI           TWO          DIAL          __
 4. _____      ___          ____          __
```

Figure 1 SAMPLE ICMLPA FORM   5E11 AND EARLIER SOFTWARE RELEASES

```
icmlpa                            5ESS Switch              _
```

```
                              OFFICE DATA ADMINISTRATION
(5960-3)                    ISDN INTERCOM LINE PARAMETERS

*1. TN        _____
*2. FEATURE  _____

                      3. GROUP LIST
                                AUTO DIAL  TN
ROW ICM GRP   ICM TYPE SOURCE POSITION   POSITION
 1  _____   ____    ____     __         __
 2  _____   ____    ____     __         __
 3  _____   ____    ____     __         __
 4  _____   ____    ____     __         __
```

Figure 2 SAMPLE ICMLPA FORM   5E12 AND LATER SOFTWARE RELEASES

SEC. 3D: 5984 RECORD
ISDN CALL APPEARANCE INTERCOM FORM - CAICOM

1. GENERAL

The CAICOM form (5984 Record) is available with 5E9(1) and later Software Releases. It is used to assign the CA-ICOM (Call Appearance Intercom) feature and associate an intercom group on a Standard ISDN EKTS (Electronic Key Telephone Service) CACH (Call Appearance Call Handling) terminal. Unlike the FB-ICOM (Feature Button Intercom) feature, CA-ICOM is not a BRCS feature and is not assigned to a line on the LINEFA or other BRCS feature assignment forms.

The CA-ICOM feature requires dedicated call appearances which are identified on this CAICOM form and which may not appear on another form for the TN.

The CAICOM form is keyed by TN and ICM GRP. The TN must be the ISDN primary TN of a Standard EKTS CACH terminal defined on a DSLUSR form as CKT TN or CKT MLHG TN. The ICM GRP must be defined on the ICMGP form.

This form supports the CA-ICOM feature of the National ISDN 2 EKTS feature for service uniformity compliance. For more information, see Division 2, Section 1AM.

1.1 Recent Change View

The corresponding Recent Change View for this form is 23.23.

2. FORM AND RECORD ENTRIES

2.1 BASE AND CONTROL, ESS UNIT

Enter the Base and Control Number and Office Name on each record.

2.2 * TN

Description: Enter a ISDN EKTS CACH telephone number.

Required Field.
Valid Entries:
    For 5E11 and earlier: 7 digits
    For 5E12 and later: XXXXXXX or NXXXXXXXXX where N is 2 - 9 and X is 0 - 9

Data Rules:

The TN must be defined as either a CKT TN or CKT MLHG TN on a DSLUSR form (5908 Record) where EKTS is "CACH".

For 5E9(1), a TN may be assigned either a Feature Button Intercom feature or a Call Appearance Intercom feature, but not both.

The TN can be entered on no more than four CAICOM forms.

For 5E12 and later, the key pairs, TN and ICM GRP, can not be duplicated on the CAICOM form.

For 5E12 and later, if the first 3-digits of the 7- digit TNs on the CAICOM form are equivalent to an OFFICE CODE on the NOC form, and there is more than one NOC form with the same value for OFFICE CODE or the NOC form does not exist, the 7-digit TN(s) must be entered as a 10-digit TN with the NPA/OFFICE CODE defined on the NOC form.

2.3 * ICM GRP

Description: Enter an ISDN Intercom Group Name.

Required Field.
Valid Entries: 1 - 8 characters

Data Rules:

The ICM GRP must be defined on an ICMGP form (5960-2 Record). If SOURCE is "AUTO", and ICM TYPE on the ICMGP form is "ONE", then AUTO DIAL POSITION on this form must be in the range 0 - 9, inclusive.

2.4 ICM TYPE

Description: This is a Recent Change only field. It represents the number of digits that must be dialed to access a member of the intercom group.

The ICM TYPE is defined on the ICMGP form and indicates whether the group is a one- or two-digit group. One-digit intercom groups can have up to ten members, assigned to positions 0 through 9 in the intercom group dialing plan. Two-digit intercom groups can have up to one hundred members, assigned to positions 0 through 99 in the intercom group dialing plan.

2.5 # SOURCE

Description: Enter the source of digits for an ISDN Intercom call.

Required Field.

Valid SOURCE Entries	
Entry	**Definition**
DIAL	Intercom calls originated from call appearances require dialing the digit or digits in the intercom group associated with the TN being called. In a one-digit intercom group (ICM TYPE "ONE"), only one digit must be dialed since there can only be ten members in the intercom group. In a two-digit intercom group, (ICM TYPE "TWO"), two digits may be needed since there can be up to one hundred members in the intercom group.
AUTO	Intercom calls originated from call appearances do not require dialing of digits since the call appearance has a direct connection to one member of the intercom group.

2.6 AUTO DIAL POSITION

Description: Enter the position in the intercom group dialing plan to which intercom calls can be placed automatically from the intercom call appearance(s). The auto dialing capability allows the TN on this form to have a direct connection to the TN associated with the position in the intercom group dialing plan specified in AUTO DIAL POSITION. An auto dial position number may be specified even though no TN has been associated with that position in the intercom group dialing plan on the ICMGP form.

The value entered in this field corresponds to the relative position of the called party within an ISDN Intercom Group. A group may have up to 100 members. Thus, two digits are entered in this field. The first digit points to the ICM BLOCK on the ICMGP form. The ICM BLOCK indicates the "tens" group of the position number.

The second digit points to a POSITION on the ICMGP form. The POSITION indicates the "ones" place of the position number. For example, if 89 is entered in this field, the ICM BLOCK field on the associated ICMGP form would be set to 80 and the POSITION field would be 9. The CAICOM TN would match the ICMGP form PRIMARY TN for POSITION 9 where the ICM BLOCK is 80 and the ICM GRP fields on the CAICOM and ICMGP forms match.
Valid Entries: 00 - 99

Data Rules:

If SOURCE is "DIAL", AUTO DIAL POSITION must not be entered; if SOURCE is "AUTO", AUTO DIAL POSITION must be entered.

2.7 TN POSITION

Description: This is a Recent Change only field. It represents the location of the TN in the corresponding TN LIST on the ICM GRP form. The TN is the called party in the ISDN Intercom call.

2.8 # CA

Description: Enter the button number associated with the first call appearance for the Intercom Group. The CA and CA QTY fields are used to specify the number of consecutive call appearances dedicated to the Intercom Group. See Division 2, Section 1AM for information on calculating the range of call appearances.

Required Field.
Valid Entries: 1 - 254

Data Rules:

Because a CPE terminal has a maximum of 254 buttons, the sum of the values entered in the CA and CA QTY fields cannot exceed 255.

Call appearances dedicated to CA-ICOM may not be used for other purposes and therefore may not appear for the same TN on another form. When the TN appears on more than one form, the CA from one form may not be in the range of call appearances, which is CA and (CA + (CA QTY -1)), inclusive, on another form, and may not overlap with the range of K56, K64, DPKT, and ODB DNAs from the DSLUSR form.

2.9 # CA QTY

Description: Enter the call appearance quantity, the number of consecutive call appearances dedicated to the intercom group on the terminal for the TN. The call appearances start at the button specified in the CA field. For example, if CA is 12 and CA QTY is 2, buttons 12 and 13 are dedicated to the Intercom Group.

Required Field.
Valid Entries: 1 - 16

Data Rules:

Because a CPE terminal has a maximum of 254 buttons, the sum of the values entered in the CA and CA QTY fields cannot exceed 255.

```
                              5ESS Switch                  _
caicom                    OFFICE DATA ADMINISTRATION
```

```
(5984)                        ISDN CALL APPEARANCE INTERCOM

*1. TN                  5107764
*2. ICM GRP             GRP1

     ICM TYPE
#4. SOURCE              DIAL
 5. AUTO DIAL POSITION __
    TN POSITION
#7. CA                  003
#8. CA QTY              02
```

Figure 1 SAMPLE CAICOM FORM   5E9(2) THROUGH 5E11 SOFTWARE RELEASES

```
caicom                              5ESS Switch            _
                          OFFICE DATA ADMINISTRATION
(5984)                        ISDN CALL APPEARANCE INTERCOM

*1. TN         _____
*2. ICM GRP _____

     ICM TYPE            ____
#4. SOURCE               _____
 5. AUTO DIAL POSITION __
    TN POSITION          __
#7. CA                   ____
#8. CA QTY               __
```

Figure 2 SAMPLE CAICOM FORM   5E12 AND LATER SOFTWARE RELEASES

SEC. 4: ELECTRONIC DIRECTORY SERVICE FORMS

SEC. 4A: 5961-1 RECORD
EDS (ELECTRONIC DIRECTORY SERVICE)
FEATURE DEFINITION FORM - EDSFD

1. GENERAL

The 5961-1 Record is available in 5E4(2) and later Software Releases. It is used to define Electronic Directory Service features with various combinations of options.

Each terminal (line) which is to use the EDS service must be assigned an EDS feature on the appropriate LINEFA form (5112 Record) or MLHLNFA form (5113 Record) or associated CLUSTR form (5600 Record). Only one EDS FEATURE is allowed on a given LINEFA form and a given MLHLNFA form or associated CLUSTR form(s).

Certain Electronic Directory Service features are predefined and automatically provided in the ODA database at the time of office registration. These are called preconstructed features. Preconstructed feature names all start with a slash (/), and the slash may not be used as the first character of any feature other than preconstructed features. A list of the preconstructed Electronic Directory Service features is contained in Figure 1 .

The maximum number of EDS features that may be defined is 10.

1.1 Recent Change View

The corresponding Recent Change View for this form is 12.38.

2. FORM AND RECORD ENTRIES

2.1 BASE AND CONTROL, ESS UNIT

Enter the Base and Control Number and office name on each record.

2.2 * FEATURE

Description: Enter the EDS (Electronic Directory Service) Feature Name. Feature Names have no restrictions on valid characters, except that Feature Names starting with a slash (/) are reserved for preconstructed features. Preconstructed features may be reviewed in the ODA database but may not be deleted, changed, or inserted.
Valid Entries: 1 - 8 characters

Data Rules:

For 5E9(1) and later, when an EDS feature with DIR QRY DISP or AUTO CALL set to "Y" is assigned to a Multi-Line Hunt Group terminal on an MLHLNFA, BFG, or CLUSTR form, the MLHG/TERM must be defined on the DSLUSR form as CKT MLHG / CKT TERM.When an EDS feature with DIR QRY DISP or AUTO CALL set to "Y" is assigned to a TN on a LINEFA, BFG or CLUSTR form, the TN must be defined on the DSLUSR form as CKT TN.

For 5E10 and later, if a CKT TN(s) or CKT MLHG/CKT TERM(s) on the DSLUSR form has DSL CLS set to "STD" on the DSL form (OE from DSLUSR form matches DSL OE on the DSL form) and is assigned an EDS feature on the LINEFA, BFG, or CLUSTR form, then it is a secured feature that must be purchased by the office. In order to make this assignment to a "STD" DSL, SFID 225 ACT field must be "Y" on the SFSYS form

(5713-1 Record), and the EDS feature must have the following:
- DIR QRY DISP set to "N"
- AUTO CALL set to "N"
- DISP PRIM CLG NAME set to "N"
- DISP SHRD CLG NAME set to "Y"

2.3 REMARKS

Description: Enter a descriptive comment.
Valid Entries: 1 - 32 characters

FEATURE OPTIONS

The following fields (Section 2.4 - Section 2.7) define the feature options assigned to terminals (lines): DIR QRY DISP, AUTO CALL, DISP PRIM CLG NAME, and DISP SHRD CLG NAME.

2.4 DIR QRY DISP

Description: Is the Directory Query Display feature option allowed?

The DIR QRY DISP feature requires an ISDN station set or attendant console with a minimum 40-character display and feature buttons. Data capability is not required. The user inputs the name to be queried through a 12-button keypad, receives instructions and responses from the 40 character display and then steps through possible matches. When the option is allowed, a station user with the EDS feature assigned to the primary DN is able to invoke DIR QRY DISP.
Default: N
Valid Entries: Y, N

2.5 AUTO CALL

Description: Is the Auto Call feature option allowed?

When AUTO CALL is "Y", an ISDN user with the EDS feature may place a call, without dialing the destination telephone, to the party associated with a message displayed during message query. The user can set up a call by depressing a CALL button or dialing a code.
Default: N
Valid Entries: Y, N

Data Rules:

Lines that are assigned EDS features with the AUTO CALL option require access to an activation code defined in the Office Dialing Plan on the PDIT form (5300-2 Record) or in the Individualized Dialing Plan on the IDPDCA form (5601-1/2 Record) or access to a Feature Button defined on the CFGGRP form (5964 Record). The activation code must have an ACTION code of "AUCUSE".

When an EDS feature with AUTO CALL set to "Y" is assigned to a member of a Multi-Line Hunt Group on an MLHLNFA form (5113 Record), BFG form (5625 Record), or CLUSTR form (5600 Record), the MLHG/TERM must be defined on a DSLUSR form (5908 Record). If the CKT TN is not entered on the MLHG/TERM definition form, either the TERM must be 1 or the EDS feature must be defined with the DIR QRY DISP field set to "Y".

2.6 DISP PRIM CLG NAME

Description: Is the Calling Name Display Primary Dialing Number feature option allowed?

If this option is "Y" for a TN (Telephone Number), then only the primary TN will receive Calling Name Display.

Calling Name Display Primary Dialing Number provides a calling party's name and TN for display at the called party's ISDN station set when the incoming call begins alerting. Both the calling party and the called party must be in the same BCID (Business Customer Identification) group to receive the calling party's name.
Default: N
Valid Entries: Y, N

Data Rules:

If the DISP PRIM CLG NAME is set to "Y", then the DISP SHRD CLG NAME must be "N".

2.7 DISP SHRD CLG NAME

Description: Is the Calling Name Display Shared Dialing Number feature option allowed?

If this option is "Y" for a TN, then Calling Name Display is available for all ISDN terminals which share this TN.
Default: N
Valid Entries: Y, N

DEFAULT PARAMETERS

The following field (Section 2.8) defines the default parameters assigned with the feature to terminals (lines). These parameters will be assigned to the terminal unless they are overridden by entries on the EDSLPA or EDSMPA forms.

2.8 EDS GRP

Description: Enter the name of the EDS Group, with no restrictions on the valid characters.
Valid Entries: 1 - 8 characters

Data Rules:

The name entered here must be that of an EDS Group defined on the EDSGP form (5961-2 Record).

ESS 5961-1(4/96)TG-5   ELECTRONIC DIRECTORY SERVICE (EDS)   DATE _____
                                        FEATURE DEFINITION RECORD
EDSFD   5ESS SWITCH
12.38
BASE_____CONT GR____   5ESS UNIT _____   PAGE_____

FEATURE	REMARKS	FEATURE OPTION				DEFAULT PARAMETERS	SOFTWARE RELEASE
		D D I I	A C U A	DISP		EDS GRP	
				P N R A	S N H A		

		RSPQRY	TLOL	IMMECLG	RMDECLG		
/ED*	WILD-CARD FEATURE	Y	Y	Y	N		
/EDA	AUTO CALL	N	Y	N	N		
/EDAP	AUTO CALL, PRIMARY CLG NAME	N	Y	Y	N		
/EDNULL	NO OPTIONS	N	N	N	N		
/EDP	PRIMARY CLG NAME	N	N	Y	N		
/EDQA	QUERY, AUTO CALL	Y	Y	N	N		
/EDQAP	QUERY, AUTO CALL PRIMARY NAME	Y	Y	Y	N		
/EDS	SHARED CLG NAME	N	N	N	Y		5E10 and later

Figure 1 PRECONSTRUCTED EDS FEATURES

```
edsfd                           5ESS Switch              _
(5961-1)                   OFFICE DATA ADMINISTRATION
           ELECTRONIC DIRECTORY SERVICE (EDS) FEATURE DEFINITION


*2. FEATURE EDSDIR          3. REMARKS _____


                        FEATURE OPTIONS

  4. DIR QRY DISP       Y
  5. AUTO CALL          Y
  6. DISP PRIM CLG NAME Y
  7. DISP SHRD CLG NAME N


                     DEFAULT PARAMETERS

  8. EDS GRP _____
```

Figure 2 SAMPLE EDSFD FORM   5E4(2) AND LATER SOFTWARE RELEASES

SEC. 4B: 5961-2 RECORD
EDS (ELECTRONIC DIRECTORY SERVICE)
GROUP PARAMETERS FORM - EDSGP

1. GENERAL

The 5961-2 Record is available with 5E4(2) and later Software Releases. It is used to define the group information associated with the EDS (Electronic Directory Service) feature.

1.1 Recent Change View

The corresponding Recent Change View for this form is 4.38.

2. FORM AND RECORD ENTRIES

2.1 BASE AND CONTROL, ESS UNIT

Enter the Base and Control Number and office name on each record.

2.2 * EDS GRP

Description: Enter the name of the EDS group. There are no restrictions on the valid characters.

Required Field.
Valid Entries: 1 - 8 characters

2.3 # BCID

Description: Enter a valid Business Customer Identification.

Required Field.
Valid Entries: 1 - 65535

2.4 # AP SITE ID

Description: Enter the Application Processor Site Identification Number associated with this EDS group.

Required Field.
Valid Entries: 1 - 255

Data Rules:

The AP SITE ID must also be assigned on the DSLAP form.

2.5 PASSWORD

Description: Is the Password option assigned? If the Password option is "Y", a password is required to initiate a query.
Default: N
Valid Entries: Y, N

```
edsgp                              5ESS Switch              _
(5961-2)                    OFFICE DATA ADMINISTRATION
                   ELECTRONIC DIRECTORY SERVICE (EDS) GROUP PARAMETERS

*1. EDS GRP    ABC
#2. BCID       00032
#3. AP SITE ID 002
 4. PASSWORD   Y
```

Figure 1 SAMPLE EDSGP FORM   5E5 AND LATER SOFTWARE RELEASES

SEC. 4C: 5961-3 RECORD
EDS (ELECTRONIC DIRECTORY SERVICE)
TN PARAMETERS FORM - EDSLPA

1. GENERAL

The 5961-3 Record is available in 5E4(2) and later Software Releases. The EDSLPA form associates a Telephone Number with an EDS (Electronic Directory Service) feature and group. It is used when assigning EDS features to non-Multi-Line Hunt lines if the default parameters of the EDSFD form (5961-1 Record) are inappropriate or unspecified.

1.1 Recent Change View

The corresponding Recent Change View for this form is 1.38.

2. FORM AND RECORD ENTRIES

2.1 BASE AND CONTROL, ESS UNIT

Enter the Base and Control Number and Office Name on each record.

2.2 * TN

Description: Enter the Telephone Number of the EDS group.

Required Field.
Valid Entries:
    For 5E11 and earlier: 7 digits
    For 5E12 and later: XXXXXXX or NXXXXXXXXX where N is 2 - 9 and
    X is 0 - 9

Data Rules:

For 5E12 and later, TN/FEATURE combinations on different EDSLPA forms cannot be duplicated.

For 5E12 and later, if the first 3 digits of the 7-digit TNs on the EDSLPA form are equivalent to an OFFICE CODE on the NOC form, and there is more than one NOC form with the same value for OFFICE CODE, or the NOC form does not exist, the 7-digit TN(s) must be a 10-digit TN with the NPA/OFFICE CODE defined on the NOC form.

2.3 * FEATURE

Description: Enter the name of the EDS feature for which the parameters are to be assigned.

Required Field.
Valid Entries: 1 - 8 characters

Data Rules:

This feature name must be defined on the EDSFD form.

2.4 # EDS GRP

Description: Enter the name of an EDS group of which this line is a member.

Required Field.
Valid Entries: 1 - 8 characters

Data Rules:

The name entered must be defined on the EDSGP form.

```
edslpa                          5ESS Switch          _
(5961-3)                  OFFICE DATA ADMINISTRATION
              ELECTRONIC DIRECTORY SERVICE (EDS) TN PARAMETERS


*1. TN      5204334
*2. FEATURE EDSDIR
#3. EDS GRP ABC
```

Figure 1 SAMPLE EDSLPA FORM   5E11 AND EARLIER SOFTWARE RELEASES

```
edslpa                            5ESS Switch          _
                          OFFICE DATA ADMINISTRATION
(5961-3)         ELECTRONIC DIRECTORY SERVICES (EDS) TN PARAMETERS


*1. TN      _____
*2. FEATURE _____
#3. EDS GRP _____
```

Figure 2 SAMPLE EDSLPA FORM   5E12 AND LATER SOFTWARE RELEASES

SEC. 4D: 5961-4 RECORD
EDS (ELECTRONIC DIRECTORY SERVICE)
MLHG PARAMETERS FORM - EDSMPA

1. GENERAL

The 5961-4 Record is available in 5E4(2) and later Software Releases. The EDSMPA form associates a Multi-Line Hunt line with an EDS (Electronic Directory Service) feature and group. It is used when assigning EDS features to Multi-Line Hunt lines to assign EDS feature parameters to the lines if the default parameters of the EDSFD form are inappropriate or unspecified.

1.1 Recent Change View

The corresponding Recent Change View for this form is 3.38.

2. FORM AND RECORD ENTRIES

2.1 BASE AND CONTROL, ESS UNIT

Enter the Base and Control Number and Office Name on each record.

2.2 * MLHG

Description: Enter the Multi-Line Hunt Group Number of the line.

Required Field.
Valid Entries:
     For 5E14 and earlier: 1 - 2000
     For 5E15 and later: 1 - 8191

2.3 * TERM NBR

Description: Enter the Multi-Line Hunt Group Member Number.

Required Field.
Valid Entries: 1 - 2015 and 3001 - 3999 (Outdial Terminals Only)

2.4 * FEATURE

Description: Enter the name of the EDS feature for which the parameters are to be assigned.

Required Field.
Valid Entries: 1 - 8 characters

Data Rules:

This feature name must be defined on the EDSFD form.

2.5 # EDS GRP

Description: Enter the name of an EDS group of which this line is a member.

Required Field.
Valid Entries: 1 - 8 characters

Data Rules:

The name entered must be defined on the EDSGP form.

```
edsmpa                          5ESS Switch              _
(5961−4)                   OFFICE DATA ADMINISTRATION
                ELECTRONIC DIRECTORY SERVICE (EDS) MLHG PARAMETERS


*1. MLHG     0003
*2. TERM NBR 0002
*3. FEATURE  EDSDIR
#4. EDS GRP  XYZ
```

Figure 1 SAMPLE EDSMPA FORM   5E5 AND LATER SOFTWARE RELEASES

SEC. 4E: 5961-5 RECORD
ELECTRONIC DIRECTORY SERVICE
MEASUREMENTS FORM - EDSCNT

1. GENERAL

The 5961-5 Record is available in 5E4(2) and later Software Releases. It is used to identify up to twenty-five Electronic Directory Service Groups that are to receive measurement counts.

1.1 Recent Change View

The corresponding Recent Change View for this form is 24.10.

2. FORM AND RECORD ENTRIES

2.1 BASE AND CONTROL, ESS UNIT

Enter the Base and Control Number and Office Name on each record.

2.2 * KEY

Description: Enter the KEY value which is always 0.

Required Field.
Default: 0
Valid Entries: 0

2.3 EDS GRP LIST

Description: The EDS GRP LIST is a list of up to twenty-five Electronic Directory Service groups that are to receive measurement counts. Enter the names of the EDS groups.
Valid Entries: 1 - 8 characters

Data Rules:

Each EDS GRP entered must be unique and defined on the EDSGP form.

```
edscnt                        5ESS Switch              _
(5961-5)                 OFFICE DATA ADMINISTRATION
                   ELECTRONIC DIRECTORY SERVICE MEASUREMENTS


*1. KEY 0
                    2. EDS GRP LIST

  1. ABC        6. _____    11. _____    16. _____    21. _____
  2. XYZ        7. _____    12. _____    17. _____    22. _____
  3. MYOWN      8. _____    13. _____    18. _____    23. _____
  4. EDS1       9. _____    14. _____    19. _____    24. _____
  5. EDS2      10. _____    15. _____    20. _____    25. _____
```

Figure 1 SAMPLE EDSCNT FORM   5E5 AND LATER SOFTWARE RELEASES

SEC. 5: MESSAGE SERVICE SYSTEM FORMS

SEC. 5A: 5962-1 RECORD
MESSAGE SERVICE SYSTEM FEATURE DEFINITION FORM - MSFD

1. GENERAL

The 5962-1 Record is available in 5E4(2) and later Software Releases. It is used to define the various combinations of options associated with the MSS (Message Service System).

Each terminal (line) which is to use the MSS feature must be assigned only one MSS feature (defined on the MSFD form (5962-1 Record)) on the appropriate feature assignment form: LINEFA form (5112 Record), CLUSTR form (5600 Record), BFG form (5625 Record), or MLHLNFA form (5113 Record).

For 5E6 and later, up to four Message Service features may be assigned to a line or hunt group member.

When a TN or MLHG member is assigned an MSS feature that has MSG RTRVL DISP, PRINT ON DEMAND, or AUTO CALL set to "Y", or LW CALLING set to "OUT" or "INOUT", then the associated MSS GRP from this or the MSSLPA form must be defined on the MSGP form with a MSG SRV CNTR that is an MLHG. The MLHG must be defined on an MLHG form with a value entered in the AP SITE ID field.

When a TN is assigned more than one MSS feature with an MLHG in the MSG SRV CNTR field of the associated MSGP form, then for those MLHGs with the same AP SITE ID, the SRV ID on the associated MSGP forms must be unique for the TN and AP SITE combination.

1.1 Preconstructed Features

Certain Message Service features are predefined and automatically provided in the ODA database at the time of office registration. These are called preconstructed features. Preconstructed feature names all start with a (/) and the slash may not be used as the first character of any feature other than preconstructed features. A list of preconstructed features is contained in Figure 2.

1.2 Recent Change View

The corresponding Recent Change View for this form is 12.37.

2. FORM AND RECORD ENTRIES

2.1 BASE AND CONTROL, ESS UNIT

Enter the Base and Control Group Number and Office Name on each record.

2.2 * FEATURE

Description: Enter the Message Service Feature Name.

There are no restrictions on the valid characters, except that Feature Names starting with a slash (/) are reserved for preconstructed features. Preconstructed features may be reviewed in the ODA database but may not be deleted, changed or inserted.
Valid Entries: 1 - 8 characters

2.3 REMARKS

Description: Enter a descriptive comment as locally necessary.

Valid Entries: up to 32 characters

FEATURE OPTIONS

Section 2.4 - Section 2.12 refer to the feature options. An analog terminal (line) must have AUTO CALL and MSG RTRVL DISP set to "N".

2.4 ATT COVERAGE

Description: Is Attendant Call Coverage allowed?

Required Field.
Default: Y
Valid Entries: Y, N

Data Rules:

If ATT COVERAGE is "Y" and the FEATURE is assigned to a Multi-Line Hunt line, then the TERM field on the MLHLNFA form (5113 Record) must be 1.

If ATT COVERAGE is "Y", either a Call Forwarding feature must be assigned to the line or MLHG member, or, for 5E8 and later, a LASS feature may be assigned. For 5E6 and later, the Call Forwarding feature must be defined on a CFWFD form (5614-1/2 Record) where the FWD CONDITION is "BUSY", "IDLE", "BOTH", "PRCB", "PBSY", or "PIDL"; if assigned to a line, it may also be "PRCI" or "PRCV". The LASS feature must be defined on an LSCAFD (5975 Record) or LSCFFD form (5976 Record).

2.5 LW CALLING

Description: Enter the type of LWC (Leave Word Calling) allowed.

Required Field.
Default: NONE
Valid Entries:

Valid LW CALLING Entries	
Entry	**Definition**
INOUT	LWC Incoming/Outgoing. Enables messages to be sent and received to/from users within the same business group.
OUT	LWC Outgoing. Enables messages to only be sent within the same business group.
NONE	No LWC.

Data Rules:

If LW CALLING is "INOUT", then AUD MSG WAIT IND or VIS MSG WAIT IND field must be "Y".

If LW CALLING is "OUT" or "INOUT", and this feature is assigned to a line, then the line must be assigned at least one dialed code (on the PDIT (5300-2 Record) and/or IDPDCA form (5601-1/2 Record)) or a Button Feature (on the CFGGRP form (5964 Record)) with ACTION equal to "LWCUSE" and an ACTION equal to "CLWCUSE" and a FEATURE associated with the dialed code on the PDIT/IDPDCA/CFGGRP form equal to this MSS feature or the MSS wild-card feature (/MS*).

For 5E6 and later, if a line or hunt group has more than one Message Service feature assigned, only one of the features may have this field set to "OUT" or "INOUT". The other Message Service features must have "NONE" entered.

If LW CALLING is "INOUT" and the FEATURE is assigned to a Multi-Line Hunt Line, then TERM on the MLHLNFA form must be 1.

2.6 MSG RTRVL DISP

Description: Is MRD (Message Retrieval Display) allowed?

MRD allows the text to be displayed when messages are retrieved.

Required Field.
Default: N
Valid Entries: Y, N

Data Rules:

If MSG RTRVL DISP is "Y", then ATT COVERAGE must be "Y" or LW CALLING must be "INOUT".

If MSG RTRVL DISP is "Y" and the FEATURE is assigned to a Multi-Line Hunt Line, then TERM on the MLHLNFA form must be 1.

If an MLHG/TERM is assigned a Message Service System feature (on an MLHLNFA, BFG, or associated CLUSTR form) with MSG RTRVL DISP set to "Y", then the MLHG/TERM must be defined as CKT MLHG / CKT TERM on a DSLUSR form where DISPLAY is "Y".

If TNs are assigned a Message Service System feature (on a LINEFA form, the BFG form, or an associated CLUSTR form) with MSG RTRVL DISP set to "Y", then:

- for 5E9(1) and later, the TN must be defined on the DSLUSR form as CKT TN and DISPLAY must be "Y".

For 5E6 and later, if "Y" is entered and the associated lines or hunt groups have more than one Message Service feature, each Message Service group must have a unique AP SITE ID. The MLHG assigned to the MSS GRP on the MSGP form is associated with the AP SITE ID on the MLHG form.

2.7 PRNT ON DEMAND

Description: Is POD (Printout on Demand) allowed?

POD allows a printout to be requested of all undelivered messages.

Required Field.
Default: N
Valid Entries: Y, N

Data Rules:

If PRNT ON DEMAND is "Y", and this feature is assigned to a line, then the line must be assigned at least one dialed code (on the PDIT and/or IDPDCA form) or a Button Feature (on the CFGGRP form) with ACTION equal to "PODUSE" and a FEATURE associated with the dialed code on the PDIT/IDPDCA/CFGGRP form equal to this MSS Feature or the MSS wild-card feature (/MS*).

If PRNT ON DEMAND is "Y" and the FEATURE is assigned to a Multi-Line Hunt Line, then TERM on the MLHLNFA form must be 1.

For 5E6 and later, if "Y" is entered and the associated lines or hunt groups have more than one Message Service feature, each Message Service group must have a unique AP SITE ID. The MLHG assigned to the MSS GRP on the MSGP form is associated with the AP SITE ID on the MLHG form.

2.8 AUD MSG WAIT IND

Description: Is the Audible MWI (Message Waiting Indicator) activated when messages are left?

Required Field.
Default: N
Valid Entries: Y, N

Data Rules:

If AUD MSG WAIT IND is "Y", then ATT COVERAGE must be "Y" or LW CALLING must be "INOUT".

If AUD MSG WAIT IND is "Y" and the FEATURE is assigned to a Multi-Line Hunt Line, then TERM on the MLHLNFA form must be 1.

2.9 VIS MSG WAIT IND

Description: Is the Visual MWI (Message Waiting Indicator) activated when messages are left?

Required Field.
Default: Y
Valid Entries: Y, N

Data Rules:

If VIS MSG WAIT IND is "Y", then ATT COVERAGE must be "Y" or LW CALLING must be "INOUT".

If VIS MSG WAIT IND is "Y" and the FEATURE is assigned to a Multi-Line Hunt Line, then TERM on the MLHLNFA form must be 1.

If the VIS MSG WAIT IND is set to "Y" and this feature is assigned to an analog line or MLHG/TERM, then

- an EQDS2P input form(s) must be defined where the sum of the CIRCUITS EQUIPPED is greater than or equal to five for circuit TYPE equal to "LDSU2TX" for a given SM,

- or, for 5E9(2) and later, an EQDSC3 form (5852 Record) must be defined where the sum of the TONE XCVRS is greater than or equal to five for the given SM.

2.10 DEACT MSG WAIT IND

Description: Is the user allowed to deactivate the MWI (Message Waiting Indicator) from their own station set?

Required Field.
Default: N
Valid Entries: Y, N

Data Rules:

If DEACT MSG WAIT IND is "Y", then AUD MSG WAIT IND or VIS MSG WAIT IND must be "Y".

If DEACT MSG WAIT IND is "Y", and this feature is assigned to a line, then the line must be assigned at least one dialed code (on the PDIT and/or IDPDCA form) or a Button Feature (on the CFGGRP form) with ACTION equal to "DCTMWI" and a FEATURE associated with the dialed code on the PDIT/IDPDCA/CFGGRP form equal to this MSS Feature or the MSS wild-card feature (/MS*).

If DEACT MSG WAIT IND is "Y" and the FEATURE is assigned to a Multi-Line Hunt Line, then TERM on the MLHLNFA form must be 1.

2.11 AUTO CALL

Description: Is Auto Call Set-up allowed?

This feature allows the user to place a call to the caller associated with a message being displayed during message retrieval without dialing the destination telephone number.

Required Field.
Default: N
Valid Entries: Y, N

Data Rules:

If AUTO CALL is "Y" and the FEATURE is assigned to a Multi-Line Hunt Line, then TERM on the MLHLNFA form must be 1.

If an MLHG/TERM is assigned a Message Service System feature (on an MLHLNFA, BFG, or associated CLUSTR form) with AUTO CALL set to "Y", then the MLHG/TERM must be defined as CKT MLHG/CKT TERM on a DSLUSR form.

If a TN is assigned a Message Service System feature (on a BFG form, LINEFA form, or associated CLUSTR form) with AUTO CALL set to "Y", then the TN must be defined as CKT MLHG/CKT TN on a DSLUSR form.

2.12 MSG WAIT IND SCTY

Description: Is MWI (Message Waiting Indicator) security activated? This field was added as part of the ISVM (Inter-Switch Voice Messaging) feature described in Division 2, Section 1BG. If MSG WAIT IND SCTY is "Y", the MWI request is processed only if the BCID of the VM system matches the BCID of the destination DN of the user requiring the MWI indication. If "N" is entered, no security check is made.

Software Release: 5E7 and later.
Valid Entries: Y, N

Data Rules:

When AUD MSG WAIT IND or VIS MSG WAIT IND is "Y", MSG WAIT IND SCTY must be entered.

When AUD MSG WAIT IND and VIS MSG WAIT IND are "N", MSG WAIT IND SCTY must not be entered.

DEFAULT PARAMETERS

The following field defines the default parameters assigned with the feature to terminals (lines). These parameters will be assigned to the terminal (line) unless they are overridden by entries on MSLPA (5962-3 Record) or MSMPA forms (5962-4 Record).

2.13 MSS GRP

Description: Enter the name of the MSS Group.

The name entered here must be an MSS Group defined on the MSGP form.
Valid Entries: 1 - 8 characters

2.14 EAVM ALW

Description: This field indicates whether Easy Access to Voice Mail is allowed or denied for the particular MSS/ISVM (Message Service System/Interswitch Voice Messaging) feature.

Software Release: 5E15 and later
Default: Y
Valid Entries: Y, N

ESS 5962-1(03)TG-5   MESSAGE SERVICE SYSTEM   DATE _____
                                            FEATURE DEFINITION RECORD
MSFD   5ESS SWITCH
12.37
BASE_____CONT GR____   5ESS UNIT _____   PAGE_____

FEATURE	REMARKS	FEATURE OPTION								MISN	DEFAULT PARAMETERS	
		ATT COVERAGE	LCW ALLING	MSDGI SRPT VL	PRDNETM SAONND RD V L	AUWDA I MTS GI N	VIWSA I MTS GI N	DEWAA CITT MISNGD	AUTO CALL L	MISN GD WS AC IT TY	MSS GRP	EAVM ALW

						D	D					
/MS*	MSS WILD CARD FEATURE	Y	INOUT	Y	Y	Y	Y	Y	Y	Y		
/MSAA	ATND CVRG, AMWI	Y	NONE	N	N	Y	N	N	N	N		
/MSAAD	BASIC-ATTCOV, AMWI, DMWI	Y	NONE	N	N	Y	N	Y	N	Y		
/MSAAM	ATND CVRG, AMWI, MWI DCT	Y	NONE	N	N	Y	N	Y	N	N		
/MSAAVM	ATND CVRG, AMWI, VMWI, MWI DCT	Y	NONE	N	N	Y	Y	Y	N	N		
/MSAIPAD	DELX-ATTCOV, LWCI, POD, AMWI, DMWI	Y	INOUT	N	Y	Y	N	Y	N	Y		
/MSAIPV	DELX-ATTCOV, LWCI, POD, VMWI	Y	INOUT	N	Y	N	Y	N	N	Y		
/MSALL	DELX-ALL OPTIONS, NO AMWI	Y	INOUT	Y	Y	N	Y	Y	Y	Y		
/MSAV	BASIC-ATTCOV, VMWI	Y	NONE	N	N	N	Y	N	N	Y		
/MSAVM	ATND CVRG, VMWI, MWI DCT	Y	NONE	N	N	N	Y	Y	N	N		
/MSIMPVA	DELX-LWCI, MRD, POD, VMWI, AC	N	INOUT	Y	Y	N	Y	N	Y	Y		
/MSIPAD	DELX-LWCI, POD, AMWI, DMWI	N	INOUT	N	Y	Y	N	Y	N	Y		
/MSIPV	DELX-LWCI, POD, VMWI	N	INOUT	N	Y	N	Y	N	N	Y		
/MSNONE	NO OPTIONS	N	NONE	N	N	N	N	N	N			
/MSO	DELX-LWCO	N	OUT	N	N	N	N	N	N			

Figure 1 PRECONSTRUCTED MSS FEATURES   5E7 AND LATER SOFTWARE RELEASES

```
msfd                            5ESS Switch              _
(5962-1)                   OFFICE DATA ADMINISTRATION
                   MESSAGE SERVICE SYSTEM FEATURE DEFINITION

*2. FEATURE JPGR1                    3. REMARKS _____


                         FEATURE OPTIONS

  4. ATT COVERAGE    Y      7. PRNT ON DEMAND    N   10. DEACT MSG WAIT IND   N
  5. LW CALLING      NONE   8. AUD MSG WAIT IND  N   11. AUTO CALL            N
  6. MSG RTRVL DISP  N      9. VIS MSG WAIT IND  Y   12. MSG WAIT IND SCTY    Y
```

```
                                DEFAULT PARAMETERS

13. MSS GRP ABC
```

Figure 2 SAMPLE MSFD FORM   5E7 - 5E14 SOFTWARE RELEASES

```
msfd                            5ESS Switch            _
                         OFFICE DATA ADMINISTRATION
(5962-1)                 MESSAGE SERVICE FEATURE DEFINITION

*1. FEATURE _____                      FEATURE OPTIONS
 3. REMARKS _____     9. VIS MSG WAIT IND   Y
                                        10. DEACT MSG WAIT IND N
       FEATURE OPTIONS                  11. AUTO CALL          N
 4. ATT COVERAGE     Y                  12. MSG WAIT IND SCTY  _
 5. LW CALLING       NONE
 6. MSG RTRVL DISP   N                      DEFAULT PARAMETERS
 7. PRINT ON DEMAND  N                   13. MSS GRP  _____
 8. AUD MSG WAIT IND N                   14. EAVM ALW Y
```

Figure 3 SAMPLE MSFD FORM   5E15 AND LATER SOFTWARE RELEASES

SEC. 5B: 5962-2 RECORD
MESSAGE SERVICE SYSTEM GROUP PARAMETERS FORM - MSGP

1. GENERAL

The 5962-2 Record is applicable to 5E4(2) and later Software Releases. It is used to define the group information associated with the MSS (Message Service System) feature.

Each terminal (line) which is to use the MSS feature must be assigned an MSS feature name (defined on the MSFD form) on the appropriate feature assignment form, LINEFA or MLHLNFA. In addition, each terminal should be assigned to an MSS Group which may be defined as a default parameter of the MSFD form, or on an individual terminal basis with the MSLPA or MSMPA forms.

1.1 Recent Change View

The corresponding Recent Change View for this form is 4.37.

2.   FORM AND RECORD ENTRIES

2.1 BASE AND CONTROL, ESS UNIT

Enter the Base and Control Number and office name on each record.

2.2 * MSS GRP

Description: Enter the name of the MSS Group. There are no restrictions on valid characters entered. For 5E8 and later, a maximum of 1000 groups can be assigned.
Valid Entries: 1 - 8 characters

2.3 #GRP TYPE

Description: Enter the Message Service Group Type. MSS (Message Service System) defines the group as an intra-switch MSC serving users on the same switch. ISVM (Inter-Switch Voice Messaging) defines the group as in inter-switch MSC serving users on other switches.

Software Release: 5E7 and later.
Required Field.
Default: MSS
Valid Entries:

Valid GRP TYPE Entries	
Entry	**Definition**
MSS	Message Service System
ISVM	Inter-Switch Voice Messaging

Data Rules:

If GRP TYPE is "MSS", then BCID, DELUXE, MSG SRV CNTR, PASSWORD, and SRV ID must all be entered.

If GRP TYPE is "ISVM", then BCID, MSG SRV CNTR, and SRV ID must all be blank and DELUXE and PASSWORD must be "N".

If GRP TYPE is "ISVM", LW CALLING must be "NONE", and MSG RTRVL DISP, PRNT ON DEMAND, and

AUTO CALL must all be "N" on the MSFD form for TNs and MLHG/TERM(s) assigned a Message Service System Feature (on the LINE, MLHLNFA, CLUSTR or BFG forms).

2.4 BCID

Description: Enter a valid Business Customer Identification.

Required Field.
Valid Entries: 1 - 65535

Data Rules:

The BCID defined here must match one of the BCIDs 1 - 6 defined on the MLHG form (5110 Record) and the MSG SRV CNTR field matches the MLHG field on the MLHG form.

2.5 DELUXE

Description: Is Deluxe MSS activated?

Required Field.
Valid Entries: Y, N

Data Rules:

If DELUXE is "Y", then the MSG SRV CNTR field must be an MLHG defined on the MLHG form with an AP SITE ID entered.

For 5E4(2) and later, if the MSG SRV CNTR field on this form is defined as a hunt group on the MLHG form (5110 Record) with an AP SITE ID entered, this field must have a value of "Y". Otherwise, DELUXE must be "N".

2.6 MSG SRV CNTR

Description: Enter a Message Service Center Multi-Line Hunt Group Number.

Required Field.
Valid Entries:
    For 5E14 and earlier: 1 - 2000
    For 5E15 and later: Blank or 1 - 8191

Data Rules:

The MSG SRV CNTR defined here must be an MLHG defined on the MLHG form where BCID matches one of the BCID 1 - 6 fields entered on the MLHG form.

2.7 PASSWORD

Description: Is the Password option assigned? If the Password option is Yes, a password is required to retrieve messages.

Required Field.
Default: N
Valid Entries: Y, N

2.8 SRV ID

Description: Enter the Message Service System that is providing message service for this group when the AP is providing more than one message service. When the AP is providing only one message service, SRV ID is optional.

Software Releases, 5E6 and later
Valid Entries: 1 - 255

Data Rules:

When multiple message service systems are being assigned to a terminal and the AP SITE IDs are identical, the SRV IDs entered in this field must not be the same.

```
msgp                               5ESS Switch
(5962-2)                     OFFICE DATA ADMINISTRATION      _
                       MESSAGE SERVICE SYSTEM GROUP PARAMETERS

*1. MSS GRP       MDRGL
#2. GRP TYPE      MSS
 3. BCID          00016
 4. DELUXE        Y
    AP SITE ID
 6. MSG SRV CNTR 0147
 7. PASSWORD      Y
 8. SRV ID        230
```

Figure 1 SAMPLE MSGP FORM   5E7 AND LATER SOFTWARE RELEASES

SEC. 5C: 5962-3 RECORD
MESSAGE SERVICE PARAMETER FORM - MSLPA

1. GENERAL

The 5962-3 Record is available with 5E4(2) and later Software Releases. It is used when assigning MSS (Message Service System) features to non-Multi-Line Hunt lines to assign MSS feature parameters to the lines if the default parameters of the MSFD form are inappropriate or unspecified.

1.1 Recent Change View

The corresponding Recent Change View for this form is 1.37.

2. FORM AND RECORD ENTRIES

2.1 BASE AND CONTROL, ESS UNIT

Enter the Base and Control Number and Office Name on each record.

2.2 * TN

Description: Enter the Telephone Number of the MSS group.

Required Field.
Valid Entries:
     For 5E11 and earlier: 7 digits
     For 5E12 and later: XXXXXXX or NXXXXXXXXX where N is 2 - 9 and X is 0 - 9

Data Rules:

The associated Class of Service on the LCC form (5306 Record) must be one of the following.

Class of Service	
ATND	50B Non-Data Link Console Line or Attendant Line.
INDIV	Individual Line.
4WINDIV	4-Wire Individual Line or 4-Wire Manual PBX.
ISDN	Digital Subscriber Line associated ISDN (Integrated Service Digital Network) service.
ISATND	ISDN (Integrated Service Digital Network) attendant terminal.

For 5E12 and later, TN/FEATURE combinations on different MSLPA forms cannot be duplicated.

For 5E12 and later, if the first 3 digits of the 7-digit TNs on the MSLPA form are equivalent to an OFFICE CODE on the NOC form, and there is more than one NOC form with the same value for OFFICE CODE, or the NOC form does not exist, the 7-digit TN(s) must be a 10-digit TN with the NPA/OFFICE CODE defined on the NOC form.

2.3 * FEATURE

Description: Enter the name of the MSS feature for which the parameters are to be assigned.

Required Field.
Valid Entries: 1 - 8 characters

Data Rules:

This feature name must be defined on the MSFD form.

2.4 # MSS GRP

Description: Enter the name of an MSS group of which this line is a member.

Required Field.
Valid Entries: 1 - 8 characters

Data Rules:

The name entered must be defined on the MSGP form.

For 5E6 and later, if the associated line has more than one Message Service feature assigned and the AP is providing more than one Message Service, the associated MSGP forms (5962-2 Record) must have unique SRV IDs.

2.5 EAVM ALW

Description: This field indicates whether Easy Access to Voice Mail is allowed or denied for a specific line.

Software Release: 5E15 and later
Default: Y
Valid Entries: Y, N

```
mslpa                            5ESS Switch            _
(5962-3)                 OFFICE DATA ADMINISTRATION
                    MESSAGE SERVICE LINE (TN) PARAMETERS


*1. TN      5551000
*2. FEATURE MSALL
#3. MSS GRP ABCD
```

Figure 1 SAMPLE MSLPA FORM   5E11 AND EARLIER SOFTWARE RELEASES

```
mslpa                            5ESS Switch            _
                         OFFICE DATA ADMINISTRATION
(5962-3)             MESSAGE SERVICE LINE (TN) PARAMETERS


*1. TN      _____
*2. FEATURE _____
#3. MSS GRP _____
```

Figure 2 SAMPLE MSLPA FORM   5E12 - 5E14 SOFTWARE RELEASES

```
mslpa                            5ESS Switch            _
                         OFFICE DATA ADMINISTRATION
```

```
(5962-3)                    MESSAGE SERVICE LINE (TN) PARAMETERS

*1. TN        _____
*2. FEATURE   _____
#3. MSS GRP   _____
 4. EAVM ALW Y
```

Figure 3 SAMPLE MSLPA FORM   5E15 AND LATER SOFTWARE RELEASES

SEC. 5D: 5962-4 RECORD
MESSAGE SERVICE SYSTEM LINE (MLHG/TERM NBR)
PARAMETER FORM - MSMPA

1. GENERAL

The 5962-4 Record is available with 5E4(2) and later Software Releases. It is used when assigning MSS (Message Service System) features to Multi-Line Hunt lines to assign MSS feature parameters to the lines if the default parameters of the MSFD form are inappropriate or unspecified.

1.1 Recent Change View

The corresponding Recent Change View for this form is 3.37.

2. FORM AND RECORD ENTRIES

2.1 BASE AND CONTROL, ESS UNIT

Enter the Base and Control Number and office name on each record.

2.2 * MLHG

Description: Enter the Multi-Line Hunt Group Number of the line.

Required Field.
Valid Entries:
     For 5E14 and earlier: 1 - 2000
     For 5E15 and later: 1 - 8191

2.3 * TERM NBR

Description: Enter the Multi-Line Hunt Group Member Number.
Valid Entries: 1 - 2015 and 3001 - 3999 (outdial terminals)

Data Rules:

The associated Class of Service on the LCC form (5306 Record) must be one of the following.

Class of Service	
ATND	50B Nondata Link Console Line or Attendant Line.
INDIV	Individual Line.
4WINDIV	4-Wire Individual Line or 4-Wire Manual PBX.
ISDN	Digital Subscriber Line associated ISDN Service.
ISATND	ISDN (Integrated Service Digital Network) attendant.

2.4 * FEATURE

Description: Enter the name of the MSS feature for which the parameters are to be assigned.

Required Field.
Valid Entries: 1 - 8 characters

Data Rules:

This feature name must be defined on the MSFD form.

2.5 # MSS GRP

Description: Enter the name of an MSS group of which this line is a member.

Required Field.
Valid Entries: 1 - 8 characters

Data Rules:

The name entered must be defined on the MSGP form.

For 5E6 and later, if the associated hunt group has more than one Message Service feature assigned and the AP provides more than one service, the associated MSGP forms (5962-2 Record) must have unique SRV IDs.

2.6 EAVM ALW

Description: This field indicates whether Easy Access to Voice Mail is allowed or denied for a specific Multiline Hunt Group.

Software Release: 5E15 and later
Default: Y
Valid Entries: Y, N

```
msmpa                              5ESS Switch            _
(5962-4)                     OFFICE DATA ADMINISTRATION
                  MESSAGE SERVICE LINE (MLHG/TERM) PARAMETERS


* 1. MLHG     0004
* 2. TERM NBR 0002
* 3. FEATURE  MSCALL
# 4. MSS GRP  ABC
```

Figure 1 SAMPLE MSMPA FORM   5E5 - 5E14 SOFTWARE RELEASES

```
msmpa                              5ESS Switch            _
                             OFFICE DATA ADMINISTRATION
(5962-4)             MESSAGE SERVICE LINE (MLHG/MEMB) PARAMETERS

*1. MLHG      _____
*2. TERM NBR _____
*3. FEATURE  _____
#4. MSS GRP  _____
 5. EAVM ALW Y
```

Figure 2 SAMPLE MSMPA FORM   5E15 AND LATER SOFTWARE RELEASES

Page 3

SEC. 5E: 5962-5 RECORD
MESSAGE SERVICE MEASUREMENTS FORM - MSCNT

1. GENERAL

The 5962-5 Record is available with 5E4(2) and later Software Releases. It is used to identify up to twenty-five Message Service System Groups that are to receive measurement counts.

1.1 Recent Change View

The corresponding Recent Change View for this form is 24.11.

2. FORM AND RECORD ENTRIES

2.1 BASE AND CONTROL, ESS UNIT

Enter the Base and Control Number and office name on each record.

2.2 * KEY

Description: Enter the KEY value 0 which is the default and only value.

Required Field.
Default: 0
Valid Entries: 0

MSS GRP LIST

The MSS GRP LIST is a list of up to twenty-five Message Service groups which are to receive measurement counts.

2.3 MSS GRP

Description: Enter the name of the MSS group.
Valid Entries: 1 - 8 characters

Data Rules:

Each MSS GRP entered must be unique and defined on the MSGP form.

```
mscnt                              5ESS Switch              _
(5962-5)                    OFFICE DATA ADMINISTRATION
                            MESSAGE SERVICE MEASUREMENTS


*1. KEY 0
                            2. MS GRP LIST


   1. ABC          6. _____    11. _____    16. _____    21. _____
   2. MS1          7. _____    12. _____    17. _____    22. _____
   3. MS2          8. _____    13. _____    18. _____    23. _____
   4. XYZ          9. _____    14. _____    19. _____    24. _____
```

```
    5. _____        10._____        15. _____        20. _____        25. _____
```
_____
Figure 1 SAMPLE MSCNT FORM   5E5 AND LATER SOFTWARE RELEASES

SEC. 5F: 5962-6 RECORD
MESSAGE SERVICE CENTERS MEASUREMENTS FORM - MSCCNT

1. GENERAL

The 5962-6 Record is available with 5E4(2) and later Software Releases. It is used to identify up to twenty-five Message Service Center Multi-Line Hunt Groups that are to receive measurement counts.

1.1 Recent Change View

The corresponding Recent Change View for this form is 24.10.

2. FORM AND RECORD ENTRIES

2.1 BASE AND CONTROL, ESS UNIT

Enter the Base and Control Number and office name on each record.

2.2 * KEY

Description: Enter the KEY value 0 which is the default and only value.

Required Field.
Default: 0
Valid Entries: 0

MS MLHG LIST

The MS MLHG LIST is a list of up to twenty-five Message Service Center Multi-Line Hunt Groups which are to receive measurement counts.

2.3 MS MLHG

Description: Enter a Message Service Center Multi-Line Hunt Group Number.
Valid Entries:
     For 5E14 and earlier: 1 - 2000
     For 5E15 and later: Blank or 1 - 8191

Data Rules:

Each MS MLHG entered must be unique and defined on the MSGP form.

```
msccnt                          5ESS Switch              _
(5962-6)                   OFFICE DATA ADMINISTRATION
                     MESSAGE SERVICE CENTERS MEASUREMENTS


*1. KEY 0
                    2. MS MLHG LIST

  1.  0002     6. ____    11. ____    16. ____    21. ____
```

```
2.  0005      7. ____    12. ____    17. ____    22. ____
3.  0020      8. ____    13. ____    18. ____    23. ____
4.  ____      9. ____    14. ____    19. ____    24. ____
5.  ____     10. ____    15. ____    20. ____    25. ____
```

Figure 1 SAMPLE MSCCNT FORM   5E5 AND LATER SOFTWARE RELEASES

SEC. 6: DSLAP COMMUNICATIONS DATA FORMS

Page 1

SEC. 6A: 5963 RECORD
DSL AP COMMUNICATIONS DATA FORM - DSLAP

1. GENERAL

The 5963 Record is available with 5E4(2) and later Software Releases. It is used to define the data links connecting an AP (Application Processor) and the 5ESS Switch. Each AP is connected to one ISDN SM with DSL data links. If the Application Processor Link Diversification Secured Feature (SFID 103) is purchased, the AP links may terminate to two different ISDN SMs. See Division 2, Section 4A103.

If a DSLAP form is submitted, then the APPLICATION PROCESSOR field on the OFCOPT form (5509 Record) must be "SM" or "AMSM". IDCU does not support AP.

1.1 Recent Change View

The corresponding Recent Change view for this form is 24.7.

2. FORM AND RECORD ENTRIES

2.1 BASE AND CONTROL, ESS UNIT

Enter the Base and Control Number and Office Name on each record.

2.2 * AP SITE ID

Description: Enter an Application Processor Site ID.

This ID uniquely identifies the AP to the switch and is used internally for message routing.
Valid Entries: 1 - 255

Data Rules:

5E8 and later:

If AP SITE ID is defined on a DSLAP form with SEC E911 SITE set to "Y", there must be a second DSLAP form with PRIM E911 SITE set to "Y".

A maximum of 10 AP SITE IDs may be defined for a single SM.

5E10 and later:

No more than 10 DSLAP form entries may be submitted for an SM that is not an SM-2000 (i.e. UNIT TYPE on the EQIM form is not "SM2000".

If UNIT TYPE is "SM2000", no more than 30 DSLAP form entries may be submitted.

5E11 and later:

If UNIT TYPE designates an SM-2000 class processor (i.e., "SM2000", "SM2005", etc.), no more than 30 DSLAP form entries may be submitted.

2.3 # SM

Description: Enter the number of the ISDN Switching Module connected to the Application Processor.

Required Field.
Valid Entries: 1 - 192

Data Rules:

A maximum of 16 DSL LINKs can be assigned per SM; a maximum of 30 DSL LINKs can be assigned per SM if UNIT TYPE on the EQIM form designates an SM-2000 class processor.

2.4 SEC AP SITE ID

Description: Enter the secondary application processor site ID.

The secondary application processor site ID is used to define backup links to a separate ISDN SM.

Software Release: 5E8 and later
Valid Entries: 1 - 255

Data Rules:

The AP Link Diversification feature is a Secured Feature that must be purchased by the office, and an SFSYS form (5713-1 Record) must have the ACT field for SFID 103 set to "Y" before the SEC AP SITE field is set to "Y". For more information on the AP Link Diversification secured feature, see Division 2, Section 4A103.

SEC AP SITE ID cannot be the same as AP SITE ID.

If SEC AP SITE ID is entered on a DSLAP form, then:

- Neither the AP SITE ID or the SEC AP SITE ID can be entered as a SEC AP SITE ID on any other DSLAP form,

- For 5E8 - 5E9(2), this SEC AP SITE ID must be defined on its own DSLAP form with a different SM value, the same ISVM value, SEC AP SITE ID blank, SEC E911 SITE set to "N", and PRIM E911 SITE set to "N".

  For 5E10 and later, this SEC AP SITE ID must be defined on a second DSLAP form, where this SEC AP SITE ID entry matches the AP SITE ID field on the second DSLAP form. The second form must have a different SM value, SEC AP SITE ID must not be entered, PRIM E911 SITE must be "N", SEC E911 SITE must be "N", and the entries in the ISVM field and the IDDD15 ALW field must match the values on this form.

2.5 # ALARM

Description: Should alarms be activated when the DSL data links between the AP and ISDN SM are out of service?

Required Field.
Default: Y
Valid Entries: Y, N

2.6 PRIM E911 SITE

Description: Is this AP SITE ID for the primary ESA (E911 Service Adjunct)? This field is used to designate a set of links for the primary emergency services adjunct.

Software Release: 5E7 and later
Required Field.
Default: N
Valid Entries: Y, N

Data Rules:

If PRIM E911 SITE is "Y", the AP SITE ID cannot be used for other applications.

When E911 OPTION on the OFCOPT form is "ESA", a DSLAP form must be specified with PRIM E911 SITE set to "Y".

PRIM E911 SITE may be "Y" on only one DSLAP form.

If PRIM E911 SITE is "Y", ALARM should be "Y" and ISVM must be "N".

If PRIM E911 SITE is "Y", then SEC AP SITE ID must not be entered.

If PRIM E911 SITE is "Y", then SEC E911 SITE must be "N".

If PRIM E911 SITE is "Y" on a DSLAP form, then AP SITE ID may not be entered as a SEC AP SITE ID on any other DSLAP form.

2.7 SEC E911 SITE

Description: Is this AP SITE ID a link to the secondary E911 Service Adjunct?

Software Release: 5E8 and later
Required Field.
Default: N
Valid Entries: Y, N

Data Rules:

If SEC E911 SITE is "Y", then SEC AP SITE ID must not be entered.

If SEC E911 SITE is "Y", ISVM must be "N".

If SEC E911 SITE is "Y", ALARM should be "Y".

SEC E911 SITE may be "Y" on only one DSLAP form.

If SEC E911 SITE is "Y" on a DSLAP form, then AP SITE ID may not be entered as a SEC AP SITE ID on any other DSLAP form.

If SEC E911 SITE is "Y", a second DSLAP form must exist with PRIM E911 SITE set to "Y".

When SEC E911 SITE is "Y", the AP SITE ID cannot be used for other applications.

The Dual ESA (Emergency Services Adjunct) feature is a Secured Feature that must be purchased by the office, and an SFSYS form (5713-1 Record) must have the ACT field for SFID 108 set to "Y" before the SEC E911 SITE field is set to "Y".

2.8 ISVM

Description: Is this AP associated with ISVM (Inter-Switch Voice Messaging)? (See Div. 2, Sec. 1BG for ISVM Feature Description).

Software Release: 5E7 and later
Default: N
Valid Entries: Y, N

Data Rules:

If PRIM E911 SITE is "Y", ISVM must be "N".

2.9 RMK

Description: This field may be used for any

descriptive comment.
Valid Entries: 1 - 8 characters

2.10 AP IDX

Description: This field is used by Recent Change as a verify only field.

2.11 IDDD15 ALW

Description: Is 15 Digit International Direct Distance Dialing allowed ? This field is used to indicate which format message (existing or expanded) is used for the MDR (Message Detail Recording) feature. "Y" should be entered if the expanded format should be used. This field supports the 15 Digit IDDD secured feature. For more information on this feature, see Division 2, Section 4A223.

Software Release: 5E10 and later.
Required Field.
Default: N
Valid Entries: Y, N

Data Rules:

This field must be "N" if PRIM E911 SITE or SEC E911 SITE is "Y".

For 5E10 and later, this field cannot be "Y" unless the 15 Digit IDDD secured feature has been purchased by the office. Therefore, the SFID 223 ACT field must be set to "Y" on the SFSYS form (5317-1 Record) before "Y" can be entered in this field.

2.12 ALW DUP NXX

Description: This field is used to indicate if the client process on the Switch can accept 7-digit DNs with non-unique NXXs transmitted over the AP link. This field supports the Number Portability - NPA-NXX Growth secured feature, see Division 2, Section 4A198.

When this field is set to "N", the client process will accept 7-digit DNs that will map to the base NPA for that NXX. When this field is set to "Y", DNs with non-unique NXXs will be transmitted over the AP link. In this case, 7-digit DNs are no longer allowed since the client process is unable to determine the correct NXX.

Software Release: 5E12 and later
Default: N
Valid Entries: Y, N

LINK DATA

Use the following fields (Section 2.13 - Section 2.19) to describe up to 16 digital data links that connect the
AP to the 5ESS Switch. At least one link must be assigned for each AP, but two are recommended for
reliability. When a link is assigned to an AP, it cannot be assigned to any other AP; it must not appear on
another DSLAP form.

Data Rules:
A maximum of 16 DSL LINKs can be assigned per SM. For 5E10 and later, 30 AP links are allowed on an
SM-2000.

2.13 LCEN

Description: Enter the ISLU LCEN (Line Card Equipment Number) of the DSL.
Valid Entries: 8 digits. See the following table for the LCEN format.

LCEN (LINE CARD EQUIPMENT NUMBER)			
Equipment		**Format**	**Valid Entries**
Switching Module	SM	XXX	001-192
Integrated Services Line Unit	ISLU	X	0-7
Line Group Card	LGC	XX	00-15
Line Card	LC	XX	00-31

Data Rules:

The SM entered here must match the SM field on this form.

For 5E9(2) and earlier, the value assigned in TERMLIM defines the maximum number of ISDN Terminals that
are allowed to be simultaneously active per SM. TERMLIM is a no display field on the EQIM form with a
default of 2047. In most cases TERMLIM should be set to this value. The ISDN Terminals are defined as
follows:

ISDN Terminal Assignments		
Form	**SM**	**Number of Assignments**
DSL	OE[1,3]	MTERM defines the quantity of ISDN Terminals per DSL form.
DSLAP	LCEN[1,3]	number of ISDN Terminals is incremented by 1 for each LCEN list element defined.
MISLINK	OE[1,3]	1
OSPSDSL	LCEN[1,3]	1 where SERVICE CLASS is not "XDB"

LCEN values entered on DSLAP forms must be unique.

The LCEN must be assigned to an operational Line Card specified on the ISLULC form (5942 Record) with an
EQST (equipment status) of "O" and a LINE CARD TYPE of "PULC", "ULC", or "TLC".

If LCEN is entered, the corresponding ISCN value must be entered.

All of the DSLs (Digital Subscriber Lines) on an SM, where the first four numbers of the OE values (first four
digits of the LCEN) match for ISLU and IDCU, (i.e., SM/ISLU for ISLUs or SM/IDCU for IDCU) and have the
same D REL PIDB and D TIMESLOT, they must also have the same the fifth and sixth digits of the LCEN
(LGC for ISLU and RT for IDCU) SHELF and CHL GRP number (the 1 - 3 digits of the D ISCN).

For 5E9(1) and later, an SLG (Sub Line Group) is a group of no more than 4 LC (Line Cards) per LGC (Line Group Controller).As growth occurs, every (R)ISLU, SLGs must be installed in the order shown in the following table. LGC is the fifth and sixth digit of the LCEN. LINE CARDS are the last two digits of the LCEN

Installation Order for SLG		
SLG	**LGC**	**LINE CARDS**
0-15	0-15	16, 18, 20, 22
16-31	0-15	08, 10, 12, 14
32-47	0-15	24, 26, 28, 30
48-63	0-15	00, 02, 04, 06

2.14 OE

Description: Equipment type and number.
Valid Entries: This is a two segment field comprised of an equipment type and number.

Valid DSL OE Type Entries	
Entry	**Definition**
E	Software Release: 5E12 and later.
	The DSL-OE is associated with an Access Interface Unit-ISDN equipment number (AIUEN).
I	Software Release: 5E10 and later.
	The DSL OE is associated with an 8-digit ISLU or RISLU (LCEN).
K	Software Release: 5E10 and later.
	The DSL OE is associated with an ISDN ISLU2 line card equipment number (LCKEN).

If OE is "E", Equipment Number consists of:

ACCESS INTERFACE UNIT, TYPE E			
Equipment		**Format**	**Valid Entries**
Switching Module	SM	XXX	1-192
Access Interface Unit	AIU	XXX	000-127
Pack	PACK	XX	00-19
Circuit	CKT	XX	00-15

Data Rules:

When OE is "E":

- the REL PIDB must be 1 - 5.

- each SM/AIU DPIDB time slot may be assigned only once (i.e., D and/or B Channels cannot be assigned to conflicting DPIDB time slots or quarter time slots due to manual (vs ODA) time slot assignments). Note that D channels are allocated to quarter time slots, therefore, up to four unique assignments can be made before a time slot is considered full. (Time slot conflicts are generated by system message "ISDN288a/b/c" which will assist in resolving conflicts.)

If DSL OE Type is set to "I", the 8-digit OE number consists of the following components:

LINE CARD EQUIPMENT NUMBER, TYPE I			
Equipment		**Format**	**Valid Entries**
Switching Module	SM	XXX	1-192
(Remote) Integrated Services Line Unit	(R)ISLU	X	0-7
Line Group Card	LGC	XX	00-15
Line Card	LC	XX	00-31

If DSL OE Type is set to "K", the ISLU2 Equipment Number consists of:

ISLU2 REMOTE TERMINAL NUMBER, TYPE K			
Equipment		**Format**	**Valid Entries**

Switching Module	SM	XXX	1-192
Unit Number	LU	XX	00 - 42
Line Group	LG	XX	00 - 15
Line Board	LBD	X	0 - 7
Line Circuit	LCKT	XX	00 - 07

For 5E11 and later, when OE is entered, a corresponding ISCN value must be entered. (This check only applies to the existing form tuples in Large Terminal Growth whether the AILA (Automatic ISDN Line Assignment) feature is active or not). For more information on this feature, see Division 2, Section 1BO.

The LCEN's assigned on the AMLBDSL, DSLAP or OSPSDSL forms, or DSL OE's on the DSL form or OE's on the MISLINK form can not have their D and/or B Channels assigned to conflicting DPIDB time slots or quarter time slots due to manual (vs ODA) time slot assignments. Each SM/ISLU or SM/IDCU DPIDB time slot may be assigned only once. (Note, D channels are allocated to quarter time slots; therefore up to four unique assignments can be made before a time slot is considered full.

Each SM / SHELF / CHL GRP can use a maximum of 384 LLCBs. (Logical Link Control Blocks) The following applications define the possible LLCB assignments.

LLCB Assignments	
Entry	**Definition**
AMLBDSL	SM is the first three digits of LCEN, SHELF/CHL GRP is the first three digits of ISCN. The count is incremented by 2 for each unique AMLBDSL form where SERVICE CLASS is "XDB" on a corresponding OSPSDSL form.
DSL	SM is the first three digits of OE Number, SHELF/CHL GRP is the first three digits of PPB1 ISCN. The count is incremented by 1 for each PPB1 ISCN defined.
DSL	SM is the first three digits of OE, SHELF/CHL GRP is the first three digits of PPB2 ISCN. The count is incremented by 1 for each PPB2 ISCN defined.
DSL	SM is the first three digits of OE, SHELF/CHL GRP is the first three digits of D ISCN. If a matching DSLUSR form is not found the count is incremented by 1.
DSLAP	Software Release 5E10 and later. SM is the first three digits of OE, SHELF/CHL GRP is the first three digits of ISCN. The count is incremented by 1 for each unique OE/ISCN combination.
DSLUSR	SM is the first three digits of OE, SHELF/CHL GRP is the first three digits of D ISCN on the corresponding DSL form. The count is incremented by 2 for each DSLUSR form where DPKT TN or DPKT MLHG/TERM is entered. The count is incremented by 1 for each DSLUSR form where DPKT TN and DPKT MLHG/TERM are blank.
DSLUSR	SM is the first three digits of OE, SHELF/CHL GRP is the first three digits of ODB ISCN1 and/or ODB ISCN2. The count is incremented by 1 if only ODB ISCN1 is entered. The count is incremented by 2 if both ODB ISCN1 and ODB ISCN2 are entered.
MISLINK	Software Release 5E9(1) and later. SM is the first three digits of OE; SHELF and CHL GRP are the SHELF and CHL GRP fields, respectively. The count is incremented by 1 for each MISLINK form.
OSPSDSL	SM is the first three digits of LCEN, SHELF/CHL GRP is the first three digits of ISCN. The count is incremented by 2 for each unique OSPSDSL form where SERVICE CLASS is "TAOPER" or "DAOPER" and a corresponding AMLBDSL form is defined. Else the count is incremented by 1 for each unique OSPSDSL form.
RTERM	Where RT INTERFACE is "TR303", SM is SM, SHELF/CHL GRP is the first three digits of TMC PRI ISCN, TMC NPRI ISCN, EOC PRI ISCN or EOC NPRI ISCN. The count is incremented by 2 for each TMC PRI ISCN and for each TMC NPRI ISCN entry. The count is incremented by 3 for each EOC PRI ISCN and for each EOC NPRI ISCN entry.
TRUNK	Where TRKCLS equals to "IFOPER", "IFTERM" or "EDSL" on the TKGRP form. SM is the first three digits of DEN or NEN, SHELF/CHL GRP is the first three digits of ISCN. The count is incremented by 1 for each unique TRUNK form.
XAT	SM is the first three digits of OE, SHELF/CHL GRP is the first three digits of ISCN. The count is incremented by 1 for each unique XAT form.

OE Type "I" or "K":
For 5E10 and later, time slots for the DPIDBs, assigned and reserved on an ISLU(2), cannot exceed the maximum number of 32 time slots available for the DPIDB. Timeslots are allocated for DSL D and/or B channels on the OSPSDSL and on the following forms where DSL OE Type is "I" or "K"

 AMLBDSL
 DSL
 DSLAP
 MISLINK

These can also be allocated by the ODA automatic time slotassignment algorithm. Timeslots may also be reserved for On Demand B channel usage on the ODBTS form.

OE Type "I":
When OE Type is "I", the assigned TS may not be equal to the LGC part of the OE or the LGC plus 16.

For 5E10 and later, this data rule applies to an "I" Equipment Type. The ODA automatic time slot assignment algorithm allocates 4 TS to each SM, ISLU (Integrated Services Line Unit), or LGC (Line Group Controller) configuration for each PIDB from the ISLU to the PSU (Packet Switch Unit) as follows:

- for LGCs (digits 5 & 6 of the Equipment Number) numbered between 0 - 7 the time slots are assigned to odd numbered PSU PIDBs and

- for LGCs numbered between 8 - 15 the time slots are assigned to even numbered PSU PIDBs (PIDBs are assigned on the EQISLU form).

For 5E10 and later, an OE with OE Type of "I" must be defined as an equipped and operational U or T card on the ISLULC input form

OE TYPE "K":
When OE Type is "K", the assigned TS may not be equal to the LG part of the OE or the LG plus 16.

For 5E10 and later an OE with OE Type of "K" must be defined as an equipped and operational U or T Board on the ISLULB input form.

For forms with a "K" OE Type, the ODA automatic time slot assignment algorithm allocates four TS to each SM, ISLU2, or LG configuration for each PIDB from the ISLU2 to the PSU as follows:

- for LGs (digits 6 & 7 of the Equipment Number) numbered between 0 - 7 the time slots are assigned to odd numbered PSU PIDBs and

- for LGs numbered between 8 - 15 the time slots are assigned to even numbered PSU PIDBs (PIDBs are assigned on the EQISLU form).

If the DSL, DSLAP, and MISLINK forms have unassigned D TIMESLOTs and/or B TIMESLOTS, ODA is required to assign these values. The ODA assignment requires that a "K" Type OE Number is assignedto LGs 0 - 7 (Note: the sixth and seventh digit of the Equipment Number is the LG) get time slots on odd numbered EQISLU PIDBs and that LCKENs assigned to LGs 8 - 15 get time slots on even numbered EQISLU PIDBs, each with a PIDB TYPE of "PSU".

2.15 ISCN

Description: Enter the D-channel Integrated Services Channel Number.

Each SM can have up to 5 PSU Shelves. Each Shelf can have up to 16 protocol handlers. Shelves and protocol handlers are defined by the first 3 digits of the ISCN field. Each protocol handler can be assigned up to 32 time slots.

Valid Entries: 6 digits. See the following table for the ISCN format.

ISCN (INTEGRATED SERVICES CHANNEL NUMBER)			
Equipment		**Format**	**Valid Entries**
Shelf	-	X	0-4
Channel Group	CHL GRP	XX	00-15
Channel	CHL	XXX	000-127

Data Rules:

ISCN values entered on DSLAP forms must be unique. (ISCNs can be defined on the following forms but may not be duplicated:

AMLBDSL
CCLNK
DSL
DSLAP
DSLUSR
MDLNK
MISLINK
ODBRES
OSPSDSL
PSISM
RTERM
TRUNK
XAT

If an SM/ISCNs combination has been assigned, then the corresponding combination of SM, PSU, PSU SHELF and GRP must be entered on the PSUGP form.

Each ISCN entry must have the SHELF value (the first character of the ISCN) assigned on an EQPSUPH form on the same SWITCHING MODULE and having a matching PSU SHELF.

The Shelf in the ISCN field represents the number of the cabinet shelf on which the PSU protocol handler is located. It must correspond to the PSU SHELF on an EQPSU form (5741 Record) that has a SHLF SIDE 0/1 EQST of "O".

The Channel Group is the number of the PSU protocol handler on the shelf. It corresponds to a PROTOCOL HANDLER assigned on an EQPSUPH form (5942 Record) for the corresponding SM and PSU SHELF.

The Channel is the PSU protocol handler member number within the protocol handler.

AMLBDSL, DSL, DSLAP, DSLUSR, ODBRES, OSPSDSL, RTERM, and XAT forms along with all TRUNK forms which have a TRKCLS of "EDSL", "IFTERM", or "IFOPER" defined on the TKGRP form can share an ISCN SHELF and CHL GRP (the first three characters of the ISCN) with ISCNs from other forms from this set in the same SM, but they cannot be mixed with an ISCN SHELF and CHL GRP on a PSISM form or a TRUNK form that has a TRKCLS of "PACKET" or "X75" or "X75P" defined on the TKGRP form.

Each Switching Module can have up to 5 PSU SHELFs. On the EQIM form, when UNIT TYPE is not "SM2000", each PSU SHELF can be assigned up to (32 times X) time slots for the following table ofapplications. (Note: X represents the number of PIDBs, 0 to 4, provisioned per shelf.)

Timeslots Reserved for Applications	
Application	**Definition**
EDSL	Defined by setting TRKCLS equal to "EDSL" on the TKGRP form and defining members on TRUNK forms.
IFOPER	Defined by setting TRKCLS equal to "IFOPER" on the TKGRP form and defining members on TRUNK forms.
IFTERM	Defined by setting TRKCLS equal to "IFTERM" on the TKGRP form and defining members on TRUNK forms.
IP	Defined by setting TRKCLS equal to "PACKET" on the TKGRP form and defining members on TRUNK forms.
ISM	Defined on the PSISM form.
PKTPIPE	Defined by setting TRKCLS equal to "PKTPIPE" on the TKGRP form and defining members on TRUNK forms.
RISLU B Channel	Defined on the DSL/AMLBDSL forms where the first 3-digit of LCEN matches SM on an EQRISLU form.
RISLU D Channel	Defined on the DSL/DSLAP/OSPSDSL forms where the first 3-digit of LCEN matches SM on an EQRISLU form.
RPA	Defined by setting BRI RDTA PIDB TS to a non-zero value on the EQPSUPH form.
SPCHNDLR	Defined by setting TRKCLS equal to "SPCHNDLR" on the TKGRP form and defining members on TRUNK forms.
X.25	Defined on the XAT form.
X75	Defined by setting TRKCLS equal to "X75" on the TKGRP form and defining members on TRUNK forms.
X75P	Defined by setting TRKCLS equal to "X75P" on the TKGRP form and defining members on TRUNK forms.

For 5E10 and later, for the above applications (except the RPA application), each DI (Data Interface) in a SM can have a maximum of 256 nailed-up time slots reserved for the application in the preceding table. These time slots can be reserved by setting rows RPTSS0 to RPTSS7 to 1 on the EQPSU form. The quantity of time slots reserved (i.e. the number set to 1) must be greater than or equal to the quantity of time slots assigned for the following applications. Note that a D channel only takes a quarter of a time slot. This data rule is not executed on an SM-2000, because provisioning of nailed-up time slots is not required on an SM2000.

For 5E11 and later, when the ACT field for FID 695 is set to "Y" on the FOSYS form (5713-2 Record) (i.e., the AILA (Automatic ISDN Line Assignment) feature is active), this field on the corresponding DSLAP form must not be entered. For more information on this feature, see Division 2, Section 1BO.

When the ACT field for FID 695 is set to "N" (i.e., the AILA (Automatic ISDN Line Assignment) feature is not active), this field on the corresponding DSLAP form must be entered for LINK numbers where LINK OE is entered.

2.16 TS

Description: Enter the D-channel time slot number.
Valid Entries: 0 - 31

Data Rules:

If any of the TS, QTR TS, or REL PIDB fields are entered, all three must be entered.

The TS must not equal the LGC part of the LCEN/LCKEN or the LGC + 16.

When making manual assignments, care must be taken to use assignments as shown in Figure 1, TS Assignments vs LGC Entry and D PIDB Entry. For example, if manual assignments were being made and the REL PIDB selected is 11 and LGC from the OE is 0, then the TS assignment must be 1, 9, 17, or 25. B and/or D channel assignments made manually cannot conflict with the ODA assignment algorithm. The ODA

algorithm is allocated 4 time slots per DPIDB per SM/ISLU/LGC. The LGCs 00 thru 07 are allocated time slots on the odd numbered DPIDBs while LGCs 08 thru 15 are allocated time slots on the even numbered DPIDBs. Manual time slot assignments do not have to follow this algorithm. However, if manual assignments are made, they will use one or more time slots. These manual assignments diminish and may conflict with the time slots available for the ODA assignment algorithm. For example, TS 1, 9, 17 and 25 are the 4 time slots that are allocated to ODA for LGC 0 in any ISLU which has a DPIDB 11 assigned. If a manual assignment is made to TS 9 on DPIDB 11 from any LGC in this ISLU there will only be 3 TS left on PIDB 11 for ODA assignments. Of course other odd numbered DPIDBs will have 4 TS for ODA assignments to LGC 0.

2.17 QTR TS

Description: Enter the D-channel quarter time slot number.
Valid Entries: 0 - 3

Data Rules:

If any of the TS, QTR TS, or REL PIDB fields are entered, all three must be entered.

In order to conserve resources, the assignment of QTR TSs must be "packed". That is, all quarter time slots in a time slot must be assigned (if possible) to a TS (Timeslot) before another TS is used. To pack the TS all D-channels on an LGC are candidates for assignments to the same TS. No D-channels can be assigned to a TS to which a D-channel from another LGC has been assigned. The D-channels which are assigned to a TS must all be in the same DSL GROUP. Furthermore, if the PROTOCOL HANDLER TYPE on the EQPSU form (5742 Record) is "PH16", the DSL MEMBERs of this DSL GROUP, when divided by six, must be equal (when dividing, disregard the remainder). For example, ISCNs 106000 through 106005 could be assigned to two TSs in any combination of two and four or three and three. However, ISCN 106006 (the next member of DSL GROUP 06 assigned to PSU SHELF 1) could not be assigned to either of these TSs and neither could any other ISCN be assigned to either of these TSs. If the PROTOCOL HANDLER TYPE is "PH128", the only restriction on the ISCN is that all members assigned to a given TS must be in the same DSL GROUP and have the same PSU SHELF assignment (ISCN [1,3] must be equal).

2.18 REL PIDB

Description: Enter the PIDB (Peripheral Interface Data Bus) number.

Valid REL PIDB Entries	
Entry	**Description**
0 - 11	Software Release 5E11 and earlier: OE types "I" or "K".
1 - 5	Software Release 5E12 and later: OE type "E".

Data Rules:

If any of the TS, QTR TS, or REL PIDB fields are entered, all three must be entered.

The REL PIDB number must be assigned on the EQISLU form (5731 Record) with a PIDB TYPE of "PSU" and a PSU SHELF matching the PSU SHELF entered in the ISCN field.

The D and/or B Channels that are assigned manually (i.e. not assigned by ODA) cannot be assigned to conflicting DPIDB time slots or quarter time slots. Each SM/ISLU or SM/IDCU DPIDB time slot can only be assigned once. (Note, D channels are allocated to quarter time slots, therefore up to four assignments can be made before a time slot is considered full. However, these four assignments must be unique.)

2.19 EXTERNAL NAME

This field is used by Recent Change as a verify only field.

TS	LGC															
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
0				3	5	7	9	11				2	4	6	8	10
1	11			3	5	7	9	10				2	4	6	8	
2	9	11			3	4	7	8	10				2	4	6	
3	7	9	11				3	5	6	8	10				2	4
4	5	7	9	11			3	4	6	8	10					2
5	3	5	7	9	11				2	4	6	8	10			
6		3	5	7	9	11				2	4	6	8	10		
7			3	5	7	9	11				2	4	6	8	10	
8				3	5	7	9	11				2	4	6	8	10
9	11			3	5	7	9	10				2	4	6	8	
10	9	11			3	4	7	8	10				2	4	6	
11	7	9	11				3	5	6	8	10				2	4
12	5	7	9	11			3	4	6	8	10					2
13	3	5	7	9	11				2	4	6	8	10			
14		3	5	7	9	11				2	4	6	8	10		
15			3	5	7	9	11				2	4	6	8	10	
16				3	5	7	9	11				2	4	6	8	10
17	11			3	5	7	9	10				2	4	6	8	
18	9	11			3	4	7	8	10				2	4	6	
19	7	9	11				3	5	6	8	10				2	4
20	5	7	9	11			3	4	6	8	10					2
21	3	5	7	9	11				2	4	6	8	10			
22		3	5	7	9	11				2	4	6	8	10		
23			3	5	7	9	11				2	4	6	8	10	
24				3	5	7	9	11				2	4	6	8	10
25	11			3	5	7	9	10				2	4	6	8	
26	9	11			3	4	7	8	10				2	4	6	
27	7	9	11				3	5	6	8	10				2	4
28	5	7	9	11			3	4	6	8	10					2
29	3	5	7	9	11				2	4	6	8	10			
30		3	5	7	9	11				2	4	6	8	10		
31			3	5	7	9	11				2	4	6	8	10	

Figure 1 TIMESLOT ASSIGNMENT VS LGC ENTRY AND REL PIDB ENTRY

```
SCREEN 1 OF 2                       5ESS Switch
dslap                        OFFICE DATA ADMINISTRATION
(5963)                       DSL AP COMMUNICATIONS DATA

*1. AP SITE ID     001       4. ALARM          Y       7. ISVM    N
#2. SM             020       5. PRIM E911 SITE N       8. RMK    _____
 3. SEC AP SITE ID ___       6. SEC E911 SITE  N          AP IDX

                      10. LINK DATA (LINK)
LINK NBR      LCEN        ISCN       TS   QTR TS    REL PIDB    EXTERNAL NAME
    1       02000010     110100      01    2          03
    2       _____     _____      __    _          __
    3       _____     _____      __    _          __
    4       _____     _____      __    _          __
    5       _____     _____      __    _          __
    6       _____     _____      __    _          __
```

```
SCREEN 2 OF 2                    5ESS Switch                _
dslap                      OFFICE DATA ADMINISTRATION
(5963)                     DSL AP COMMUNICATIONS DATA

                    10. LINK DATA (LINK)
LINK NBR      LCEN         ISCN      TS   QTR TS    REL PIDB    EXTERNAL NAME
    7       _____     _____     __     _        __
    8       _____     _____     __     _        __
    9       _____     _____     __     _        __
   10       _____     _____     __     _        __
   11       _____     _____     __     _        __
   12       _____     _____     __     _        __
   13       _____     _____     __     _        __
   14       _____     _____     __     _        __
   15       _____     _____     __     _        __
   16       _____     _____     __     _        __
```

Figure 2 SAMPLE DSLAP FORM   5E9(2) SOFTWARE RELEASE

```
SCREEN 1 OF 4                    5ESS Switch
dslap                      OFFICE DATA ADMINISTRATION
(5963)                     DSL AP COMMUNICATIONS DATA

*1. AP SITE ID      ___       4. ALARM          Y   7. ISVM        N
#2. SM              ___       5. PRIM E911 SITE N   8. RMK         _____
 3. SEC AP SITE ID  ___       6. SEC E911 SITE  N      AP IDX
                                                  10. IDDD15 ALW N
                    11. LINK DATA (LINK)
LINK NBR      OE           ISCN      TS   QTR TS    REL PIDB    EXTERNAL NAME
    1       _ _____   _____     __     _        __
    2       _ _____   _____     __     _        __
    3       _ _____   _____     __     _        __
    4       _ _____   _____     __     _        __
    5       _ _____   _____     __     _        __
    6       _ _____   _____     __     _        __
```

```
SCREEN 2 OF 4                    5ESS Switch
dslap                      OFFICE DATA ADMINISTRATION
Enter Y for yes, enter N for no. COMMUNICATIONS DATA

                    11. LINK DATA (LINK)
LINK NBR      OE           ISCN      TS   QTR TS    REL PIDB    EXTERNAL NAME
    7       _ _____   _____     __     _        __
```

```
      8      _ _____ _____        ___      _        ___
      9      _ _____ _____        ___      _        ___
     10      _ _____ _____        ___      _        ___
     11      _ _____ _____        ___      _        ___
     12      _ _____ _____        ___      _        ___
     13      _ _____ _____        ___      _        ___
     14      _ _____ _____        ___      _        ___
     15      _ _____ _____        ___      _        ___
     16      _ _____ _____        ___      _        ___
```

```
SCREEN 3 OF 4                        5ESS Switch
dslap                          OFFICE DATA ADMINISTRATION
(5963)                         DSL AP COMMUNICATIONS DATA


                         11. LINK DATA (LINK)
LINK NBR      OE          ISCN       TS   QTR TS    REL PIDB   EXTERNAL NAME
     17      _ _____ _____        ___      _        ___
     18      _ _____ _____        ___      _        ___
     19      _ _____ _____        ___      _        ___
     20      _ _____ _____        ___      _        ___
     21      _ _____ _____        ___      _        ___
     22      _ _____ _____        ___      _        ___
     23      _ _____ _____        ___      _        ___
     24      _ _____ _____        ___      _        ___
```

```
SCREEN 4 OF 4                        5ESS Switch               _
dslap                          OFFICE DATA ADMINISTRATION
(5963)                         DSL AP COMMUNICATIONS DATA


                         11. LINK DATA (LINK)
LINK NBR      OE          ISCN       TS   QTR TS    REL PIDB   EXTERNAL NAME
     25      _ _____ _____        ___      _        ___
     26      _ _____ _____        ___      _        ___
     27      _ _____ _____        ___      _        ___
     28      _ _____ _____        ___      _        ___
     29      _ _____ _____        ___      _        ___
     30      _ _____ _____        ___      _        ___
```

Figure 3 SAMPLE DSLAP FORM   5E10 AND 5E11 SOFTWARE RELEASES

```
SCREEN 1 OF 4                        5ESS Switch
dslap                          OFFICE DATA ADMINISTRATION
(5963)                         DSL AP COMMUNICATIONS DATA


*1. AP SITE ID      ___
#2. SM              ___
 3. SEC AP SITE ID  ___
```

```
4. ALARM          Y
5. PRIM E911 SITE N
6. SEC E911 SITE  N
7. ISVM           N
8. RMK            _____
   AP IDX
10. IDDD15 ALW    N
11. ALW DUP NXX   N
```

```
SCREEN 2 OF 4                   5ESS Switch
dslap                   OFFICE DATA ADMINISTRATION
(5963)                  DSL AP COMMUNICATIONS DATA

                    12. LINK DATA (LINK)

LINK NBR      OE        ISCN      TS   QTR TS   REL PIDB   EXTERNAL NAME
    1    _ _____ _____     ___     _       ___
    2    _ _____ _____     ___     _       ___
    3    _ _____ _____     ___     _       ___
    4    _ _____ _____     ___     _       ___
    5    _ _____ _____     ___     _       ___
    6    _ _____ _____     ___     _       ___
    7    _ _____ _____     ___     _       ___
    8    _ _____ _____     ___     _       ___
    9    _ _____ _____     ___     _       ___
   10    _ _____ _____     ___     _       ___
```

```
SCREEN 3 OF 4                   5ESS Switch
dslap                   OFFICE DATA ADMINISTRATION
(5963)                  DSL AP COMMUNICATIONS DATA

                    12. LINK DATA (LINK)

LINK NBR      OE        ISCN      TS   QTR TS   REL PIDB   EXTERNAL NAME
   11    _ _____ _____     ___     _       ___
   12    _ _____ _____     ___     _       ___
   13    _ _____ _____     ___     _       ___
   14    _ _____ _____     ___     _       ___
   15    _ _____ _____     ___     _       ___
   16    _ _____ _____     ___     _       ___
   17    _ _____ _____     ___     _       ___
   18    _ _____ _____     ___     _       ___
   19    _ _____ _____     ___     _       ___
   20    _ _____ _____     ___     _       ___
```

```
SCREEN 4 OF 4                   5ESS Switch              _
dslap                   OFFICE DATA ADMINISTRATION
(5963)                  DSL AP COMMUNICATIONS DATA
```

```
                     12. LINK DATA (LINK)
LINK NBR        OE        ISCN       TS   QTR TS   REL PIDB   EXTERNAL NAME
   21      _ _____ _____      ___      _      ___
   22      _ _____ _____      ___      _      ___
   23      _ _____ _____      ___      _      ___
   24      _ _____ _____      ___      _      ___
   25      _ _____ _____      ___      _      ___
   26      _ _____ _____      ___      _      ___
   27      _ _____ _____      ___      _      ___
   28      _ _____ _____      ___      _      ___
   29      _ _____ _____      ___      _      ___
   30      _ _____ _____      ___      _      ___
```

Figure 4 SAMPLE DSLAP FORM   5E12 AND LATER SOFTWARE RELEASES

SEC. 7: MULTILINE HUNT GROUP FORMS

SEC. 7A: 5964 RECORD
CONFIGURATION GROUP DEFINITION FORM - CFGGRP

1. GENERAL

The 5964 Record is available with 5E4(2) and later Software Releases. It is used to assign BRCS (Business and Residence Customer Service) feature actions to CPE (Customer Premises Equipment) user terminal buttons.

This form allows the user to assign BRCS feature actions to a maximum of 2032 buttons. The 2032 buttons are divided into 8 components with 254 buttons in each component. Features are assigned to the 254 buttons in groups of 30.

The features assigned to a feature button must be assigned to the terminal that this Configuration Group is associated with on the appropriate feature assignment form: LINEFA (5112 Record), MLHLNFA (5113 Record), CLUSTR (5600 Record) or BFG (5625-1/7 Record).

1.1 Recent Change View

The corresponding Recent Change View for this form is 12.5.

2. FORM AND RECORD ENTRIES

2.1 BASE AND CONTROL, ESS UNIT

This field is used to enter the Base and Control Number and office name on each record.

2.2 * CONFIG GRP

Description: This field is used to enter the name of the configuration group. For 5E5 and later, the configuration group must be assigned on DSLUSR forms (5908 Records) to provide common button features to groups of ISDN terminals.
Valid Entries: 1 - 8 characters

2.3 * CPE COMPONENT

Description: This field is used to enter the component number. The component number identifies a unit which is comprised of a maximum of 254 buttons on a CPE (Customer Premises Equipment) terminal. Please refer to the documentation provided with the CPE to determine the proper component number.
Valid Entries: 0 - 7

2.4 * RANGE

Description: This field is used to enter the range value. The value entered is a number within a 30 button range. The BUTTON fields will then be numbered accordingly. Each form accommodates 30 button assignments within the 254 BUTTONs of a COMPONENT.

For example, if RANGE is any value from 1 to 30, the BUTTON fields will be numbered from 1 to 30. If RANGE is any number between 241 and 254 the BUTTON fields will be numbered from 241 to 254. BUTTON numbers above 254 are illegal.
Valid Entries: 1 - 254

2.5 GRP TYPE

Description: This field indicates whether the Configuration Group is applicable to Standard (Bellcore) BRI users or Custom (AT&T) BRI users.

Software Release: 5E8 and later
Required Field.
Default: STD
Valid Entries:

Valid GRP TYPE Entries	
Entry	**Definition**
CUSTOM	This configuration is valid only for Custom (AT&T) BRI users.
STD	This configuration is valid only for Standard (Bellcore) BRI users.

Data Rules:

All CFGGRP forms for the same CONFIG GRP must have the same GRP TYPE.

CUSTOM:
If GRP TYPE is "CUSTOM", the CONFIG GRP can be assigned only on DSLUSR forms defined for custom BRI users, where DSL CLS is not set to "STD" on the corresponding DSL form.

STD:
If "STD" is entered, CPE COMPONENT must be 0.

If GRP TYPE is "STD", the CONFIG GRP can be assigned only on DSLUSR forms defined for standard BRI users, where DSL CLS is set to "STD" on the corresponding DSL form; also, CPE COMPONENT on this CFGGRP form must be 0.

For 5E9(2) and later, Feature Button ICOM (Intercom) features may not be assigned to standard BRI users; only Call Appearance ICOM features may be assigned. If GRP TYPE is "STD", features entered in the BUTTON LIST FEATURE field must be defined on a CAICOM form (5984 Record), and not on an ICMFD form (5960-1 Record).

2.6 RMK

Description: This field is used for any descriptive comment.
Valid Entries: 1 - 32 characters

BUTTON LIST

The following fields (Section 2.7 - Section 2.10) comprise the BUTTON LIST. The BUTTON LIST is a list of buttons (from 1 to 254 in groups of 30) to which BRCS FEATURES may be assigned. The ACTION and PARAM values entered will determine the functionality of the button.

2.7 BUTTON

Description: This field is populated automatically depending on the value of RANGE.

2.8 FEATURE

Description: This field is used to enter a BRCS feature name. The FEATURE must be assigned on a feature definition form (e.g., MWFD (5606-1/2 Record), DRFD (5606-1 Record), etc.) with the same FEATURE

name.
Valid Entries: 1 - 8 characters

For 5E15 and later, when FEATURE is entered on this form, it must not be defined on the MWFD form (5602 Record) where the appropriate fields on the MWFD form are set as follows:

FEATURE OPTIONS fields: ACT/INACT OPTION must be set to "ACT1CA", MULTIWAY CONTROL must be set to "NWAY", and AMAC must be set to "USAGE",

ENTRY POINT fields: FLASH must be set to "Y", IN MIDDLE must be set to "Y", and OFF HOOK must be set to "Y", and

DEFAULT PARAMETER field: N-WAY MAXIMUM must be set to "6".

The feature options on the MWFD form define a USSWC (Usage Sensitive Six-Way Calling) feature which cannot be assigned on this form. USSWC must be assigned on the OFCOPT form (5509 Record). For more information on the USSWC feature, see Division 2, Section 4A553.

2.9 ACTION

Description: This field is used to enter an ACTION code.
Valid Entries: See Figure 1 for valid entries.

Data Rules:

Data rules that apply to specific ACTIONs are included with the ACTION descriptions in Figure 1. FEATURE and PARAM dependencies for ACTION values are shown in Figure 2.

For 5E12 and later, when the CFGGRP forms have an ACTION of "IEHGS" or "IHGS" and the length of PARAM for these BUTTON LIST entries is 3 or 5 digits respectively, the leftmost 3 digits must be an OFFICE CODE defined on the NOC form. When the length of PARAM is 6 or 8 digits respectively, the leftmost 6 digits must be defined as NPA/OFFICE CODE combination on the NOC form.

For 5E12 and later, in addition to previous rule, if there is more than one NOC form with the same value for OFFICE CODE, NPA must be added as the first 3 digits of PARAM (making PARAM 6 or 8 digits).

2.10 PARAM

Description: This field is used to enter a parameter.
Valid Entries:
    For 5E12 and later: 1 - 8 characters (0 - 9, *, #, I, F, O or P)

Data Rules:

PARAM values are required for all of the following ACTIONs except "ACCTUSE":

ACTION	PARAM Values
ACCTUSE	One to four digits. This parameter is optional; it is the dial code that is used to access Account Codes.
AD1USE	One- to four-digit number. First digit in the range 0 - 9, # or *. Digits two to four in the range 0-9. When the first digit is * or #, at least another digit must be entered.
AD2USE	Two- to four-digit number. First digit in the range 0 - 9, # or *. Digits two to four in the range 0-9. When the first digit is * or #, at least two more digits must be entered.
DTPOTSA	One- to four-digit number. First digit in the range 0 - 9, # or *. Digits two to four in the range 0-9.

	When the first digit is * or #, at least another digit must be entered.
IACOF	01 - 32. This value indicates the IDP alternate code treatment set for the particular dialed code.
IDSS	0. IDSS action must be assigned to Button 1. Buttons 2 to 100 will be built automatically with the IDSS action.
IDTGS	One- to four-digit access code for PFA.
IEHGS	Three-digit office code.
IHGS	Five-digit Hundreds group.
IHOLD	First two digits 00-99 and last digit 0 or 1. The first two digits indicate the amount of time in seconds that a call may remain on hold and the third digit indicates whether this configuration group has Serial Calling. (0 for No, 1 for Yes).
IRLL	Two digit number in the range 00 - 99 indicates the amount of time in seconds that a transferred call may remain unanswered before it will return alerting tone to an ISDN attendant console.
PFUSE	One- to four-digit number. First digit in the range 0-9, # or *. Digits two to four in the range 0-9. When the first digit is * or #, the second digit must be entered.

For 5E5 and later, for offices in retrofit: for each unique CFG GRP, if an action of "IHGS" or "IEHGS" is entered in the ACTION field, there must exist exactly 100 buttons defined with the ACTION of "IDSS" for the same value of CFG GRP.

For 5E10 and later, when ACTION is "ARSUSE", "ARS1USE" or "ARS2USE" and PARAM is entered, GRP TYPE must be "STD".

For 5E10 and later, when ACTION is "ATHUSE" and PARAM is entered, GRP TYPE must be "STD".

Valid ACTION Entries	
Entry	**Definition**
AATOG	Software Release: 5E9(1) and later.
	Auto Answer On/Off via toggle feature button. For more information on the ACD/BRCS secured feature, see Division 2, Section 4A121.
	Data Rules:
	This ACTION requires the (/*) NULL FEATURE and it requires that GRP TYPE must be "CUSTOM".
ACBFBP	Activate/Deactivate/Answer Auto Call-Back.
	Data Rules:
	No other ACTION field for the same CONFIG GRP can have an entry of "ACBFBP".
ACCFB	Software Release: 5E5 and later.
	LASS Automatic Callback deactivation. This feature button allows the user to deactivate the AC (Automatic Callback) feature two ways:
	The user goes off-hook, receives dial tone, and depresses the feature button; a cancellation announcement is returned and the feature button lamp goes off.
	The user is on-hook and depresses the feature button; the feature button lamp goes off.
	Data Rules:
	No other ACTION field for the same CONFIG GRP can have an entry of "ACCFB".
ACCTUSE	Account code use code.
ACUFB	Software Release: 5E5 and later.
	LASS Automatic Callback activation. This feature button can be used in two ways:
	First, to activate the AC (Automatic Callback) feature. The user goes off-hook, receives dial tone, and depresses the feature button; an appropriate response is returned. Possible responses are:
	Audible alerting - Called party is alerted immediately because the called station is found to be idle.

Short-term denial - Reorder tone is given to the user to indicate that network resources are temporarily exhausted or the called party has a feature active that causes the Automatic Callback attempt to be denied (e.g., Call Forwarding Variable). A subsequent attempt by the user to activate the feature may succeed.

Long-term denial - An announcement is returned indicating that the Automatic Callback feature is not allowed to the user.

Confirmation - An announcement is returned indicating that the Automatic Callback feature has been activated.

Second, if the user has one-touch service (ONE TOUCH field on the DSLUSR form (5908 Record) is "Y"), the user may choose to answer the AC ringback while on-hook by depressing this feature button which will activate the speaker-phone.

Data Rules:
No other ACTION field for the same CONFIG GRP can have an entry of "ACUFB".

AD1CH	Change 1 digit abbreviated dial list.
AD1USE	Use 1 digit abbreviated dial.
AD2CH	Change 2 digit abbreviated dial list.
AD2USE	Use 2 digit abbreviated dial.
ANSBACK	Software Release: 5E9(1) and later. Call Park Answer Back. This action allows the user to answer back a call from any DN within the same terminal group. For more information on Call Park, see Division 2, Section 4A124, or for National ISDN Call Park (5E12 and later), see Division 2, Section 4A258. Data Rules: For 5E12 and later, before a BUTTON LIST ACTION of "ANSBACK" can be assigned to a GRP TYPE of "STD", the National ISDN Call Park feature must be purchased by the office. An SFSYS form must exist with SFID 258 set to "Y".
ARCFB	Software Release: 5E5 and later. LASS Automatic Recall deactivation. This feature button allows the user to deactivate the AR (Automatic Recall) feature two ways: The user goes off-hook, receives dial tone, and depresses the feature button; a cancellation announcement is returned, and the feature button lamp goes off. The user is on-hook, and depresses the feature button; the feature button lamp goes off. Data Rules: No other ACTION field for the same CONFIG GRP can have an entry of "ARCFB".
ARS1USE	Use ARS Phase II Dial Plan 1.
ARS2USE	Use ARS Phase II Dial Plan 2.
ARSUSE	Use ARS via ODP (Office Dialing Plan).
ARUFB	Software Release: 5E5 and later. Lass Automatic Recall activation. For 5E8 and later, this feature button is available for both Custom and Standard ISDN station sets, but its operation is CPE-dependent. Standard BRI users may apply AR to both voice and data service, while custom users are restricted to voice. One-touch service is not available for Standard BRI users. For 5E7 and earlier, this feature button is available to Custom AT&T BRI users and can be used in three ways. First, to activate the AR (Automatic Recall) feature. The user goes off-hook, receives dial tone, depresses the

feature button and an appropriate response is returned.

Second, to activate the AR (Automatic Recall) feature; while the user is off-hook and receiving busy tone, the feature button is depressed and an appropriate response is returned. Possible responses are:

Audible alerting - Called party is alerted immediately because the called station is found to be idle.

Short-term denial - Reorder tone is given to the user to indicate that network resources are temporarily exhausted or the called party has a feature active that causes the Automatic Recall attempt to be denied (e.g., Call Forwarding Variable). A subsequent attempt by the user to activate the feature may succeed.

Long-term denial - An announcement is returned indicating that the Automatic Recall feature is not allowed to the user.

Confirmation - An announcement is returned indicating that the Automatic Recall feature has been activated.

Third, if the user has one-touch service (ONE TOUCH field on the DSLUSR form (5908 Record) is "Y"), the user may choose to answer the AR ringback while on-hook by depressing this feature button which will activate the speaker-phone.

Data Rules:
No other ACTION field for the same CONFIG GRP can have an entry of "ARUFB".

ATACTMWI	Activate Message Waiting Indicator by attendant. This feature button is used by an MSC (Message Service Center) attendant to activate the MWI (Message Waiting Indicator) at the user's station set. This feature button can be used in two ways: The call has been forwarded to the attendant. The attendant, while active on the call, depresses the button and the MWI is activated at the user's station set which the call was forwarded from. The attendant depresses the feature button, receives stutter dial tone and then dials the number of the telephone the MWI is to be activated on. Data Rules: No other ACTION field for the same CONFIG GRP can have an entry of "ATACTMWI".
ATDCTMWI	Deactivate Message Waiting Indicator by attendant. This feature button works similarly to the "ATACTMWI" action. The attendant, while active on a call with the message service user, can depress this feature button and deactivate the MWI or the attendant can depress this feature button, receive stutter dial tone and then dial the number of the telephone the MWI is to be deactivated on. Data Rules: No other ACTION field for the same CONFIG GRP can have an entry of "ATDCTMWI".
ATFACT	Software Release: 5E8 and later. Used when a DN wants to activate the ISDN ACVT (Attendant Control of Voice Terminals) feature on itself. Data Rules: No other ACTION field for the same CONFIG GRP can have an entry of "ATFACT".
ATFDCT	Software Release: 5E8 and later. Used when a DN wants to deactivate the ISDN ACVT feature on itself. Data Rules: No other ACTION field for the same CONFIG GRP can have an entry of "ATFDCT".
ATGACT	Software Release: 5E8 and later. Used when a DN wants to activate the ISDN ACVT feature for a group of DNs. The ACVT feature assigned

	must have an associated restriction group defined. A DN can only activate the ACVT feature for the group it belongs to. Data Rules: No other ACTION field for the same CONFIG GRP can have an entry of "ATGACT".
ATGDCT	Software Release: 5E8 and later. Used when a DN wants to deactivate the ISDN ACVT feature for a group of DNs. The ACVT feature assigned must have an associated restriction group defined. A DN can only deactivate the ACVT feature for the group it belongs to. Data Rules: No other ACTION field for the same CONFIG GRP can have an entry of "ATGDCT".
ATHUSE	Authorization code use code dialed.
AUCUSE	Use Auto-Call Set-Up used with Message Service and Electronic Directory Service features. Data Rules: No other ACTION field for the same CONFIG GRP can have an entry of "AUCUSE".
AWTUSE	Aggregate work time use. Data Rules: No other ACTION field for the same CONFIG GRP can have an entry of "AWTUSE".
BITOG	Software Release: 5E9(1) and later. Barge-In via toggle feature button. For more information on the ACD/BRCS secured feature, see Division 2, Section 4A121. Data Rules: This ACTION requires the (/*) NULL FEATURE and it requires that GRP TYPE must be "CUSTOM".
BNTOG	Activate/Deactivate Call Forward. Data Rules: The FEATURE associated with this feature button must be defined on the CFWFD Form with an ACT TYPE of "CODE" and a DACT TYPE of "CODE".
BPARK	Software Release: 5E9(1) and later. Basic Call Park. This action allows the user active on a call to park the call against the user's DN. For more information on Call Park see Division 2, Section 4A124. When the ACTION is "BPARK", GRP TYPE must be "CUSTOM".
BYGP	Group make busy. This action is used to make all members of an MLHG (Multi-Line Hunt Group) busy. Although a configuration group name with this action may be assigned to all the members of an MLHG the only member that can activate this feature is member number one. Data Rules: No other ACTION field for the same CONFIG GRP can have an entry of "BYGP".
BYMB	Member make busy. This action is used to make individual members of a hunt group busy. Data Rules: Configuration groups with this action cannot be assigned to terminals of MLHGs with a HUNT type of "ISAT" defined on the MLHGFD form (5604 Record). No other ACTION field for the same CONFIG GRP can have an entry of "BYMB".
BYPO	Position make busy. This action is used with ISDN Attendant Consoles. When the button is depressed, the particular console (position) is made busy. Active calls on the console can be served and calls may be originated from the busy console. Data Rules:

	Configuration groups with this action can be assigned only to terminals of MLHGs with a HUNT TYPE of "ISAT" defined on the MLHGFD form (5604 Record). No other ACTION field for the same CONFIG GRP can have an entry of "BYPO".
BYRB	Software Release: 5E6 and later.
	Random make busy. This action is used to make individual members of a hunt group busy.
	Data Rules:
	Configuration groups with this action cannot be assigned to terminals of MLHGs with a HUNT TYPE of "ISAT" defined on the MLHGFD form (5604 Record). No other ACTION field for the same CONFIG GRP can have an entry of "BYRB".
CCL	Code calling for call pickup.
CFBN	Software Release: 5E9(1) and later.
	Call Forwarding Button Action.
	Data Rules:
	When the ACTION is "CFBN", GRP TYPE must be "STD"; the corresponding feature must be defined on a CFWFD form with ACT TYPE set to "CDDN", "CDDNC", "CDDNCA", or "CDCA1A", and with DACT TYPE set to "CODE".
CLTOG	Software Release: 5E9(1) and later.
	Closed On/Off via toggle feature button. For more information on the ACD/BRCS secured feature, see Divison 2, Section 4A121.
	Data Rules:
	This ACTION requires the (/*) NULL FEATURE and it requires that GRP TYPE must be "CUSTOM".
CLWCUSE	Cancel Leave Word Calling. Used with the Message Service feature.
	Data Rules:
	No other ACTION field for the same CONFIG GRP can have an entry of "CLWCUSE".
CNDFBP	Software Release: 5E5 and later.
	ICLID (Individual Calling Line Identification Calling Number Delivery) activation/ deactivation. This feature button allows the user to activate or deactivate the Calling Number Delivery feature which allows the called party to receive data on an incoming call. The feature button can be used two ways:
	The user goes off-hook, depresses the feature button and an appropriate display message is returned and the button lamp goes on/off.
	The user is on-hook, depresses the feature button and the button lamp goes on/off.
	Data Rules:
	No other ACTION field for the same CONFIG GRP can have an entry of "CNDFBP".
CNPUSE	Software Release: 5E10 and later.
	Per-call Calling Name privacy use and cancel (toggle). This value is used by the I-CNAM (ISDN Calling Name) feature. For more information on this feature, see Division 2, Section 1AM on National ISDN features.
	Data Rules:
	This ACTION requires the Display WILDCARD feature.
CONF	Software Release: 5E8 and later.
	Multiway Conference feature for "STD" DSLs when used with Standard ISDN terminals that do not have functional message capability.
	Data Rules:
	When ACTION is "CONF", GRP TYPE must be "STD"; no other ACTION field for the same CONFIG GRP can have an entry of "CONF".
COTFBP	Software Release: 5E5 and later.

	Customer Originated Trace activation. This feature button allows the user to activate the Customer Originated Trace feature. For the COT feature a display module must be available on the station set (DISPLAY field is "Y" on the DSLUSR form). The feature button allows the user to activate the COT feature two ways: The user goes off-hook, depresses the feature button and an appropriate display message is returned. The user can activate COT while active on the call by depressing the feature button during the call and an appropriate display message is returned. Possible display messages are: Successful Activation - A message is displayed indicating a successful activation of the COT request and provides information on any further action the user should take. Trace not Available - A message is displayed indicating that the call has already been traced or invalid data about the call is stored in the history block (e.g., originating and terminating switches are not connected by CCS7 trunks). Buffer full - A message is displayed indicating that the COT message buffer is full and the user should attempt the trace again later. Short-term denial - A message is displayed indicating that network resources are exhausted. A subsequent attempt by the user to activate the feature may succeed. Feature denial - A message is displayed indicating that the Customer Originated Trace feature is not available to the user. Data Rules: No other ACTION field for the same CONFIG GRP can have an entry of "COTFBP".
CPNBNFBT	Software Release: 5E6 and later. Activate/deactivate Calling Party Number/Billing Number feature by toggle button. Data Rules: The corresponding FEATURE entry must appear on a CPNBNFD form with ACT and DEACT both set to "CODE". No other ACTION field for the same CONFIG GRP can have an entry of "CPNBNFBT".
CPQ1	Use call pickup feature with queue 1.
CPQ2	Use call pickup feature with queue 2.
CPQ3	Use call pickup feature with queue 3.
CPQ4	Use call pickup feature with queue 4.
CTT	Software Release: 5E7 and later. Allows the attendant to make a test call from an Analog line that has been assigned an attendant class of service. The test call will verify the operation of the selected trunk member and the switch translations. Data Rules: No other ACTION field for the same CONFIG GRP can have an entry of "CTT".
CWDLU	Use a dial call waiting feature. For ISDN Attendant Consoles, this action is used to assign the camp-on feature button. Data Rules: No other ACTION field for the same CONFIG GRP can have an entry of "CWDLU".
CWLMP	Software Release: 5E9(1) and later. Call Waiting Lamp. For more information on the ACD/BRCS secured feature, see Division 2, Section 4A121. Data Rules: This ACTION requires the (/*) NULL FEATURE and it requires that GRP TYPE must be "CUSTOM".
DCDTVM	Software Release: 5E16 and later.

	DTVM Direct Connect.
DCTMWI	Software Release: 5E6 and later.
	Deactivate Message Waiting Indicator. Used with the Message Service feature. A feature button with a built-in lamp assigned this action provides the user with a visual indication that a message is waiting. The MWI (Message Waiting Indicator) can be deactivated by depressing this feature button. If an MWI lamp is provided with the particular set, this action may be associated with the lamp but will not provide the ability of depressing the feature button on the previous case to deactivate the MWI. In this case, it may be desirable to provide a dialed code with this action the PDIT form or IDPDCA form to serve this function.

Data Rules:
For 5E6 and later, if this action is assigned to two or more feature buttons, the wildcard feature may not be used.
For 5E7 and later, if the associated feature is an MDS wildcard feature (/MS*), the same ACTION cannot be assigned to any other BUTTON for the given CONFIG GRP. If the feature is not an MDS wildcard feature, the ACTION and FEATURE combination must be unique across all CFGGRP forms for a given CONFIG GRP. |
| DLVRMSG | Next segment of the message or match. |
| DNPUSE | Software Release: 5E4(2) and later.
Per-call DN privacy on (use).
For 5E5 and later, this action is used for per-call TN privacy. This feature button can be used in two ways:

The calling party subscribes to all-call privacy which allows the calling party to prevent delivery of their TN to the called party for all calls (PRIVACY field on the LINE, MLHLN or DSLUSR form is "Y"). The calling party can deactivate all-call privacy on a per-call basis (TN PRIVACY field on the DISPFD form is "Y"), allowing the calling TN to be displayed to the called party. To deactivate all-call privacy on a per-call basis, the user goes off-hook, depresses the feature button, receives a confirmation tone, receives dial tone and then dials the TN.

The terminal may not subscribe to all-call privacy which allows the TN of the calling party to be delivered to the called party for all calls (PRIVACY field on the LINE, MLHLN or DSLUSR form is "N"). The calling party can activate per-call privacy on a per-call basis (TN PRIVACY field on the DISPFD form is "Y"), not allowing the calling TN to be displayed to the called party. To activate per-call privacy on a per-call basis, the user goes off-hook, depresses the feature button, receives a confirmation tone, receives dial tone and then dials the telephone number. |
| DPARK | Software Release: 5E9(1) and later.
Directed Call Park. This action allows the user active on a call to park the call against the user's DN or to direct the call to be parked against another directory number within the same terminal group. For more information on Call Park, see Division 2, Section 4A124, or for National ISDN Call Park (5E12 and later), see Division 2, Section 4A258.

Data Rules:
For 5E12 and later, before a BUTTON LIST ACTION of "DPARK" can be assigned to a GRP TYPE of "STD", the National ISDN Call Park feature must be purchased by the office. An SFSYS form must exist with SFID 258 set to "Y". |
| DPN | Use direct pickup without barge-in. |
| DPU | Use directed pickup with barge-in.

Data Rules:
If "DPU" is entered FEATURE must not be the Pickup Originating WILDCARD feature ("/PO*"). |
| DQDUSE | Use Directory Query Display.

Data Rules:
No other ACTION field for the same CONFIG GRP can have an entry of "DQDUSE". |
| DROP | Software Release: 5E8 and later.
Multiway Drop feature for "STD" DSLs when used with Standard ISDN terminals that do not have functional message capability. |

	Data Rules:
	When ACTION is "DROP", GRP TYPE must be "STD"; no other ACTION field for the same CONFIG GRP can have an entry of "DROP".
DTPOTSA	Escape to POTs and give dial tone.
DTVMCF	Software Release: 5E16 and later.
	DTVM Call Forward.
ECUSE	Software Release: 5E9(1) and later.
	Event Code via feature button. For more information on the ACD/BRCS secured feature, see Division 2, Section 4A121.
	Data Rules:
	This ACTION requires the (/*) NULL FEATURE and it requires that GRP TYPE must be "CUSTOM".
EMUSE	Software Release: 5E9(1) and later.
	Emergency via dial code or feature button.
	Data Rules:
	This ACTION requires the (/*) NULL FEATURE and it requires that GRP TYPE must be "CUSTOM".
ERCO	Software Release: 5E5 and later.
	ISDN Executive Ringer Cutoff. This is a secured system optional feature that allows an ISDN keyset user to press a feature button to turn audible ringing on or off for all emergency calls and ring backs from Auto Call Back. When power ringing is turned off by ERCO, a visual alerting at the principal's terminal and the ability to pick up the call will still occur.
	Data Rules:
	This feature can only be assigned to an ISDN keyset for a primary shared DN that is assigned on a DSLUSR form (5908 Record). In addition the Configuration Group name defined on this form must be entered in the CONFIG GRP field on the DSLUSR form. No other ACTION field for the same CONFIG GRP can have an entry of "ERCO".
	ERCO can only be activated when the Secured Feature System Assignment form (5713 Record) indicates that the feature has been purchased.
I1ICOM	ISDN Intercom Group 1 action. This action is related to an entry on an ICMFD form (5960-1 Record) or an ICMLPA form (5960-3 Record) in row one of the GROUP LIST.
	Data Rules:
	Terminals assigned this action must have the preconstructed feature /ICM or an equivalent constructed feature assigned on an LINEFA form (5112 Record). No other ACTION field for the same CONFIG GRP can have an entry of "I1ICOM".
	GRP TYPE must be "CUSTOM."
I2ICOM	ISDN Intercom Group 2 action. This action is related to an entry on an ICMFD or an ICMLPA form in row two of the GROUP LIST.
	Data Rules:
	Terminals assigned this action must have the preconstructed feature /ICM or an equivalent constructed feature assigned on an LINEFA form. No other ACTION field for the same CONFIG GRP can have an entry of "I2ICOM".
	GRP TYPE must be "CUSTOM".
I3ICOM	ISDN Intercom Group 3 action. This action is related to an entry on an ICMFD form (5960-1 Record) or an ICMLPA form (5960-3 Record) in row three of the GROUP LIST.
	Data Rules:

	Terminals assigned this action must have the preconstructed feature /ICM or an equivalent constructed feature assigned on an LINEFA form. No other ACTION field for the same CONFIG GRP can have an entry of "I3ICOM". GRP TYPE must be "CUSTOM".
I4ICOM	ISDN Intercom Group 4 action. This action is related to an entry on an ICMFD or an ICMLPA form in row four of the GROUP LIST. Data Rules: Terminals assigned this action must have the preconstructed feature /ICM or an equivalent constructed feature assigned on a LINEFA form. No other ACTION field for the same CONFIG GRP can have an entry of "I4ICOM". GRP TYPE must be "CUSTOM".
IACOF	ISDN Attendant Control of Facility action. The feature button assigned this action can be used by the attendant to activate/deactivate the alternate code treatment set for a particular dialed code defined in the IDP. The parameter associated with this action represents the IDP alternate code treatment set for the particular dialed code. Data Rules: An ACOFRF form (5968 Record) must be entered for each feature button defined with this action. A maximum of 32 feature buttons with this action may be assigned per configuration group.
IASPNORM	Software Release: 5E9(1) and later. Normal dialing plan treatment (IDP). For more information on ASP features, see Division 2, Section 1AP. Data Rules: When ACTION is "IASPNORM", GRPTYPE must be "CUSTOM". For every PARAM on this form where ACTION is "IASPNORM", there must be a corresponding TRIG NBR entered on an NSTRIG form (5324 Record) where APPLICATION is "ASP" and AIN REL is "R0". If CONFIG GRP, CPE COMPONENT, and RANGE appear on this form with a BUTTON LIST having ACTION set to "IASPNORM", the FEATURE for that BUTTON LIST must match FEATURE on an ASPFD form (5632-1 Record). For restricted access, this action can be associated with anyone of the following: ASP wildcard feature (/AO*) ASP preconstructed feature ASP constructed feature For unrestricted access, this action can be associated with IDP wildcard feature (/ID*)
IBSYVFY	ISDN Busy Verify action. This action is used with the ISDN Attendant Console Busy Verification of Directory Numbers and Trunks. Data Rules: The FEATURE associated with this attendant action must be a call pickup originating feature (/CPUVO or an equivalent constructed feature) defined on a PUOFD form (5605-1 Record). In order for the barge-in feature to be implemented, the terminating line/trunk must have a call pickup terminating feature (/CPUIVT for digital. /CPUVT for analog or an equivalent constructed feature defined on PUTFD form (5605-2 Record). No other ACTION field for the same CONFIG GRP can have an entry of "IBSYVFY".
ICANCEL	ISDN MW Cancel Call action. This action enables the attendant to disconnect the last call of an added call. This button when used in conjunction with call splitting allows the attendant to disconnect the called number of a transferred call and be joined with the calling party.

ICONF	ISDN Conference action. Data Rules: No other ACTION field for the same CONFIG GRP can have an entry of "ICONF".
ICRBL1	Intercom Calling Restriction Busy Lamp 1. Data Rules: No other ACTION field for the same CONFIG GRP can have an entry of "ICRBL1".
ICRBL2	Intercom Calling Restriction Busy Lamp 2. Data Rules: No other ACTION field for the same CONFIG GRP can have an entry of "ICRBL2".
ICRBL3	Intercom Calling Restriction Busy Lamp 3. Data Rules: No other ACTION field for the same CONFIG GRP can have an entry of "ICRBL3".
ICRBL4	Intercom Calling Restriction Busy Lamp 4. Data Rules: No other ACTION field for the same CONFIG GRP can have an entry of "ICRBL4".
ICRBL5	Intercom Calling Restriction Busy Lamp 5. Data Rules: No other ACTION field for the same CONFIG GRP can have an entry of "ICRBL5".
ICRBL6	Intercom Calling Restriction Busy Lamp 6. Data Rules: No other ACTION field for the same CONFIG GRP can have an entry of "ICRBL6".
ICTT	Software Releases: 5E4(2) through 5E6. ISDN Call Through Test action.
IDNACT	Activate/deactivate ISDN ACVT (Attendant Control of Voice Terminals) restrictions for an individual terminal (line). Data Rules: No other ACTION field for the same CONFIG GRP can have an entry of "IDNACT".
IDSS	ISDN DSS (Direct Station Select) action. When assigning this action, it is only necessary to assign button one. The other 99 buttons will be automatically assigned by ODA. Button one should be assigned only by an initial office. It is not recommended that you assign button one for retrofit offices, because if you assign button one, you must then assign all the other 99 buttons.
IDTGS	ISDN Direct Trunk Group Selection allows the attendant to select an idle member of a trunk group or simulated facility by depressing a single button on the terminal set. The parameter associated with this action represents up to a four-digit PFA dialed code. Depressing this button is the same as dialing an access code. This feature button may be used in conjunction with a feature button assigned an action of "ISCCOF". In this case, the "ISCCOF" feature button would be depressed first and then the IDTGS button which will restrict the use of a particular trunk group/facility. Data Rules: When this action is entered, a corresponding IPFDCA form (5969 Record) must be defined.
IEHGS	ISDN Extended Hundreds Group Select action. This action is used with the DSS (Direct Station Select) module of an ISDN Attendant Console. This action provides extended selection capabilities to the DSS module by allowing the attendant to select up to 10,000 directory numbers. The parameter associated with this action is the NXX and the parameter associated with the buttons assigned the IDSS action in this case will provide both the hundreds group (thousands and hundreds digits) and station (00-99 within the hundreds group) selected. When using the feature button associated with this action, the attendant depresses the button first to select the NXX, next the attendant depresses an IDSS button to select the hundreds group and, finally, the attendant depresses another

	IDSS button that represents the station to be selected.
IEMEROVR	ISDN Attendant Emergency Override action. The attendant will be able to use the feature button to override terminating restrictions such as Call Forwarding, Series Completion or members of a Multi-Line Hunt Group. Data Rules: The FEATURE associated with this attendant action must be a call pickup originating feature (/CPUEO or an equivalent constructed feature) defined on a PUOFD form. The lines to be overridden must have a call pickup terminating feature (/CPUIEOT for digital, /CPUEOT for analog, or an equivalent constructed feature) defined on a PUTFD form. No other ACTION field for the same CONFIG GRP can have an entry of "IEMEROVR".
IFRLS	ISDN Forced Release Call action. The attendant will be able to use the feature button to tear down a stable call when necessary.
IGACT	Activate/deactivate ISDN ACVT (Attendant Control of Voice Terminals) restrictions for a group of lines. Data Rules: No other ACTION field for the same CONFIG GRP can have an entry of "IGACT".
IHGS	ISDN Attendant Hundreds Group Select action. The action is used with the DSS (Direct Station Select) module of an ISDN Attendant Console. The parameter associated with this action is the NXX and the thousands and hundreds digits of the hundreds group to be selected. This feature button along with the feature buttons assigned the IDSS action are used to select the desired station (00-99 within the hundreds group). When using the feature button associated with this action, the attendant depresses the button first to select the hundreds group and then depresses an IDSS button to select the station.
IHOLD	ISDN Hold action. Data Rules: No other ACTION field for the same CONFIG GRP can have an entry of "IHOLD".
IJOIN	ISDN Join Call action. Data Rules: No other ACTION field for the same CONFIG GRP can have an entry of "IJOIN".
IME	ISDN MW Manual Exclusion action. This action is used with the "IJOIN", "ISPLIT" and "ISTART" actions in order to do attendant call transfer. Manual exclusion is provided for customers that have the automatic bridging transfer option. Manual exclusion allows the attendant to inhibit automatic bridging for one call, therefore, the attendant must manually join the calling and called parties together. When three-way calling with manual bridging is assigned to the ISTART button, then the same multiway feature must be assigned to this button. When automatic bridging is assigned to the ISTART button, then this button must have a manual bridging override assigned. Refer to Figure 2 for the valid combinations between three-way multiway features assigned to the "ISTART" and "IME" ACTIONs. Data Rules: If an ACTION of "IME" is entered, an ACTION of "ISTART" must be defined on this form. No other ACTION field for the same CONFIG GRP can have an entry of "IME".
INIGHT	ISDN Call Forward Night Service action. For the ISDN Attendant Console, the feature button associated with this action provides the Fixed Night Service feature. Data Rules: Member number one of this Multi-Line Hunt (ISAT) Group must have a call forwarding feature (/CFNS or an equivalent constructed feature) defined on the CFWFD form (5614 Record). No other ACTION field for the same CONFIG GRP can have an entry of "INIGHT".
INSUSE	Inspect use. The feature button associated with this action allows the user to display call-related information about any call appearance that has been placed on hold, alerting or active. Data Rules: No other ACTION field for the same CONFIG GRP can have an entry of "INSUSE".

IRLL	ISDN Release Loop Call action. The attendant uses this feature button to disconnect from a call that has been transferred and to be alerted if the transferred call remains unanswered for a specified amount of time. Data Rules: No other ACTION field for the same CONFIG GRP can have an entry of "IRLL".
IRLS	ISDN Release Call action. This action disconnects the attendant from the active call and allows the attendant to be available for another call.
ISCCOF	ISDN SCCOF (Selective Customer Control of Facilities) action. This action allows the attendant to impose and remove an access restriction to trunks/facilities. The ISCCOF button may be used in conjunction with the IDTGS button or dialed code to provide this capability. See the "IDTGS" action for more information. Data Rules: No other ACTION field for the same CONFIG GRP can have an entry of "ISCCOF".
ISPLIT	ISDN Split Call action. Call splitting allows the attendant to consult privately with a called party or a calling party before transferring a call without the other party hearing the conversation. An "ISPLIT" button assigned to an attendant's terminal will activate a lamp when a call goes on splithold. Two types of call splitting are available: 1-way and 2-way. 1-way call splitting does not allow the attendant to toggle between the two parties. 2-way call splitting allows the attendant to toggle between the called party and calling party without the other party hearing. To transfer a call using 1-way automatic call splitting, the attendant will depress the "ISTART" button and the "ISPLIT" button will light steadily, then the attendant depresses the "IME" button and dials the transfer number. If the station is idle, the calling party is still split from the call until the attendant depresses the "ISPLIT" button. After announcing the call, if the called party wishes to talk to the calling party, the attendant depresses the "IJOIN" button and all three parties are connected. The attendant can the disconnect from the call. 1-way manual call splitting is the same as the 1-way automatic call splitting except the "IME" button does not need to be depressed. Transferring a call using 2-way automatic call splitting is the same as 1-way automatic call splitting except that the attendant has the option of either joining all three parties using the "IJOIN" button or toggling between the parties without joining them together by using the "ISPLIT" button. Data Rules: If an action of "ISPLIT" is entered, an ACTION of "ISTART" must be defined on this form. No other ACTION field for the same CONFIG GRP can have an entry of "ISPLIT".
ISTART	ISDN Start action. This action allows the attendant to originate or transfer calls. When used to originate calls, the attendant will depress the button and an idle call appearance will be selected. This action is used with "IJOIN", "ISPLIT" and "IME" actions in order to do attendant call transfer. Three multiway features may be assigned to the "ISTART" button. Refer to Figure 2 for the "IME" action description for valid combinations of multiway features between the "IME" and "ISTART" actions. Data Rules: If an ACTION of "ISTART" is entered, an ACTION of "IME" must be defined on this form. No other ACTION field for the same CONFIG GRP can have an entry of "ISTART".
LGNTOG	Software Release: 5E9(1) and later.

	Login via toggle feature button. For more information on the ACD/BRCS secured feature, see Division 2, Section 4A121.
	Data Rules:
	This ACTION requires the (/*) NULL FEATURE and it requires that GRP TYPE must be "CUSTOM".
LQxDISP	Display status of a numbered MLHG queue (where x represents 1 through 8; i.e., LQ1DISP ... LQ8DISP) on the DSLQMON form (5904 Record). When a feature button associated with a particular action is pressed, the queue status data associated with that MLHG is displayed.
	Data Rules:
	For 5E6 and later, no other ACTION field for the same CONFIG GRP can have an entry of "LQxDISP".
LSP	Loudspeaker paging for call pick up. The paged party may depress a feature button and be connected to the calling party.
LWCUSE	Use Leave Word Calling. The feature button associated with this action allows a message to be left from the calling party for the called party.
	Data Rules:
	No other ACTION field for the same CONFIG GRP can have an entry of "LWCUSE".
MBTOG	Software Release: 5E9(1) and later.
	Make Busy via toggle feature button.
	Data Rules:
	This ACTION requires the (/*) NULL FEATURE and it requires that GRP TYPE must be "CUSTOM".
METOG	Toggle Manual Exclusion status.
	Data Rules:
	No other ACTION field for the same CONFIG GRP can have an entry of "METOG". For 5E6 and later, if this action is assigned to two or more feature buttons, the wildcard feature may not be used.
MRDUSE	Start/end Message Retrieval Display.
	Data Rules:
	For 5E7 and later, if the associated feature is an MDS wildcard feature (/MS*), the same ACTION cannot be assigned to any other BUTTON for the given CONFIG GRP. If the feature is not an MDS wildcard feature, the ACTION and FEATURE combination must be unique across all CFGGRP forms for a given CONFIG GRP.
MWITD	ISDN Terminal Dialed Code.
	Data Rules:
	The FEATURE associated with this action must be a multiway feature (/MWI6WC or an equivalent constructed feature) defined on an MWFD form. For 5E8 and later, ACTION may be "MWITD" only when GRP TYPE is "CUSTOM"; the FEATURE on the MWFD form must have DIAL CODE or BUTTON set to "Y".
NNPRV	Software Release 5E10 and later.
	Calling Name per-call calling number and name private use. This value supports the I-CNAM (ISDN Calling Name) feature. For more information on this feature, see Division 2, Section 1AM on National ISDN features.
NNPUB	Software Release 5E10 and later.
	Calling number and name public use. This value supports the I-CNAM (ISDN Calling Name) feature. For more information on this feature, see Division 2, Section 1AM on National ISDN features.
NRMLUSE	Set display mode to normal.
	Data Rules:
	No other ACTION field for the same CONFIG GRP can have an entry of "NRMLUSE".
NXTMSG	Next message.
NXTSEG	Next segment of the message.
OASPNORM	Software Release: 5E9(1) and later.
	Normal dialing plan treatment (ODP). For more information on ASP features, see Division 2, Section 4A126.

	Data Rules:
	When ACTION is "OASPNORM", GRPTYPE must be "CUSTOM".
	For every PARAM on this form where ACTION is "OASPNORM", there must be a corresponding TRIG NBR entered on an NSTRIG form (5324 Record) where APPLICATION is "ASP" and AIN REL is "R0".
	If CONFIG GRP, CPE COMPONENT, and RANGE appear on this form with a BUTTON LIST having ACTION set to "OASPNORM", the FEATURE for that BUTTON LIST must match FEATURE on an ASPFD form (5632-1 Record).
	When this feature is provisioned, it can be associated with anyone of the following:
	ASP wildcard feature (/AO*)
	ASP preconstructed feature
	ASP constructed feature
PDTEO	Executive Override Access code.
PDTF	Flash Access code.
PDTFO	Flash Override Access code.
PDTI	Immediate Access code.
PDTP	Priority Access code.
PDTR	Routine Access code.
PFUSE	Use private facilities.
PNTEO	Executive Override precedence code.
PNTF	Flash precedence code.
PNTFO	Flash Override precedence code.
PNTI	Immediate precedence code.
PNTP	Priority precedence code.
PNTR	Routine precedence code.
PODUSE	Print on Demand. Used with the Message Service feature.
	Data Rules:
	For 5E6 and later, if this action is assigned to two or more feature buttons the wildcard feature may not be used.
	For 5E7 and later, if the associated feature is an MDS wildcard feature (/MS*), the same ACTION cannot be assigned to any other BUTTON for the given CONFIG GRP. If the feature is not an MDS wildcard feature, the ACTION and FEATURE combination must be unique across all CFGGRP forms for a given CONFIG GRP.
QCANC	Ringback Queuing Cancel.
	Data Rules:
	No other ACTION field for the same CONFIG GRP can have an entry of "QCANC".
QCBUSY	Software Release: 5E8 and later.
	ISAT Queue Busy. ISAT MLHGs with modular queuing may use this action. When the queue for the MLHG is full, the QBUSY lamp is lit on each console having the feature button for the QBUSY lamp. The lamp is extinguished when a queue slot becomes available.
	Data Rules:
	No other ACTION field for the same CONFIG GRP can have an entry of "QCBUSY".
QCPCWT	Software Release: 5E8 and later.
	ISAT QUEUE Precedence Call Waiting. ISAT MLHGs with modular queuing may use this action. When one or more calls of priority level higher than routine are in the MLHG queue, the PCWT lamp is lit on each console capable of handling MLPP (Multi-Level Precedence Preemption) and having the feature button for the PCWT lamp. The PCWT lamp is extinguished when no precedence calls higher than routine level remain in the queue for that member. Priority higher than routine is defined as one of the following: executive, priority, immediate, flash, or flash override.
	Data Rules:
	No other ACTION field for the same CONFIG GRP can have an entry of "QCPCWT".

QCUSE	Calls on queue use. This action is used to display the number of calls in queue. The terminal assigned a feature button with this action must also have an appropriate modular queuing feature and an appropriate display feature in order for this feature button to function properly. Data Rules: No other ACTION field for the same CONFIG GRP can have an entry of "QCUSE".
QCW1L	Call Waiting 1st Threshold. The feature button associated with this action will alert the user when a call (or calls) have exceeded the prespecified amount of time in the queue. Data Rules: This threshold value is defined on either a QUFD form (5617-1/2 Records) or a QUGPA form (5617-3/4 Records) in the first row of the CALL WAITING LAMPS field. This action is not used for ISDN Attendant consoles. No other ACTION field for the same CONFIG GRP can have an entry of "QCW1L".
QCW2L	Call Waiting 2nd Threshold. The feature button associated with this action will alert the user when a call (or calls) have exceeded the prespecified amount of time in the queue. Data Rules: This threshold value is defined on either a QUFD form or a QUGPA form in the second row of the CALL WAITING LAMPS field. This action is not used for ISDN Attendant consoles. No other ACTION field for the same CONFIG GRP can have an entry of "QCW2L".
QCW3L	Call Waiting 3rd Threshold. The feature button associated with this action will alert the user when a call (or calls) have exceeded the prespecified amount of time in the queue. Data Rules: This threshold value is defined on either a QUFD form or a QUGPA form in the third row of the CALL WAITING LAMPS field. This action is not used for ISDN Attendant consoles. No other ACTION field for the same CONFIG GRP can have an entry of "QCW3L".
QCWARN	Software Release: 5E8 and later. ISAT Queue Warning. ISAT MLHGs with modular queuing may use this action. When a predetermined number of calls are queued, the QWARN lamp is lit on each console having the feature button for the QWARN lamp. The lamp is extinguished when the number of calls in the queue falls below this predetermined number. This threshold is defined on the QUFD or QUGPA form as QWARN THRESHOLD. Data Rules: No other ACTION field for the same CONFIG GRP can have an entry of "QCWARN".
QCWT	Call Waiting. ISDN Attendant Multi-Line Hunt Groups with modular queuing (for example, the preconstructed feature /QISATCW) may use this action with a lamp on a console, to indicate that calls are in the queue (the lamp will light upon the first call queued). Data Rules: No other ACTION field for the same CONFIG GRP can have an entry of "QCWT".
QCWW	Call Waiting Warning. ISDN Attendant Multi-Line Hunt Groups with modular queuing (for example, the preconstructed feature /QISATCW) may use this action with a lamp on the console, to indicate that the number of calls in the queue has exceeded a prespecified threshold value defined either on a QUFD form or a QUGPA form. Data Rules: No other ACTION field for the same CONFIG GRP can have an entry of "QCWW".
RTRV	Software Release: 5E9(1) and later. Call Park Retrieve. This action allows the user to answer a call that is parked against the user's DN. For more information on Call Park see Division 2, Section 4A124. Data Rules: When the ACTION is "RTRV", GRP TYPE must be "CUSTOM".

SAUSE	Software Release: 5E9(1) and later.
	Service Assist via dial code or feature button. For more information on the ACD/BRCS secured feature, see Division 2, Section 4A121.
	Data Rules:
	This ACTION requires the (/*) NULL FEATURE and it requires that GRP TYPE must be "CUSTOM".
SCAFB	Software Release: 5E6 and later.
	Activate/Deactivate LASS Selective Call Acceptance and Computer Access Restriction Feature Button.
	Data Rules:
	No other ACTION field for the same CONFIG GRP can have an entry of "SCAFB".
SCFFB	Software Release: 5E6 and later.
	Activate/Deactivate LASS Selective Call Forwarding Feature Button.
	Data Rules:
	No other ACTION field for the same CONFIG GRP can have an entry of "SCFFB".
SCRFB	Software Release: 5E6 and later.
	Activate/Deactivate LASS Selective Call Rejection Feature Button.
	Data Rules:
	No other ACTION field for the same CONFIG GRP can have an entry of "SCRFB".
SDAFB	Software Release: 5E6 and later.
	Activate/Deactivate LASS Selective Distinctive Alert Feature Button.
	Data Rules:
	No other ACTION field for the same CONFIG GRP can have an entry of "SDAFB".
SDNUSE	Invoke a Software Defined Network call.
	Data Rules:
	No other ACTION field for the same CONFIG GRP can have an entry of "SDNUSE".
SEL1XFER	Software Release: 5E8 and later.
	Transfer to Selective Transfer TN 1 from E911 PSAP (Public Safety Answering Point).
	Data Rules:
	When ACTION is "SEL1XFER", GRP TYPE must be "CUSTOM".
SEL2XFER	Software Release: 5E8 and later.
	Transfer to Selective Transfer TN 2 from E911 PSAP.
	Data Rules:
	When ACTION is "SEL2XFER", GRP TYPE must be "CUSTOM".
SEL3XFER	Software Release: 5E8 and later.
	Transfer to Selective Transfer TN 3 from E911 PSAP.
	Data Rules:
	When ACTION is "SEL3XFER", GRP TYPE must be "CUSTOM".
SEL4XFER	Software Release: 5E8 and later.
	Transfer to Selective Transfer TN 4 from E911 PSAP.
	Data Rules:
	When ACTION is "SEL4XFER", GRP TYPE must be "CUSTOM".
SEL5XFER	Software Release: 5E8 and later.
	Transfer to Selective Transfer TN 5 from E911 PSAP.
	Data Rules:

	When ACTION is "SEL5XFER", GRP TYPE must be "CUSTOM".
SEL6XFER	Software Release: 5E8 and later. Transfer to Selective Transfer TN 6 from E911 PSAP. Data Rules: When ACTION is "SEL6XFER", GRP TYPE must be "CUSTOM".
SOTOG	Software Release: 5E9(1) and later. Service Observe via toggle feature button. For more information on the ACD/BRCS secured feature, see Division 2, Section 4A121. Data Rules: This ACTION requires the (/*) NULL FEATURE and it requires that GRP TYPE must be "CUSTOM".
STPH	Stop hunt. Data Rules: No other ACTION field for the same CONFIG GRP can have an entry of "STPH".
TCUSE	Total calls handled use. Data Rules: No other ACTION field for the same CONFIG GRP can have an entry of "TCUSE".
TODUSE	Time and date use. The feature button assigned this action, when depressed, will display the time and date in the display component on the user's terminal. An appropriate display feature must be assigned to the terminal. Data Rules: No other ACTION field for the same CONFIG GRP can have an entry of "TODUSE".
TOGDCT	Deactivate all CF Features on line. Data Rules: No other ACTION field for the same CONFIG GRP can have an entry of "TOGDCT".
TRKUSE	ISDN Attendant Trunk Identification action. The attendant uses the feature button associated with this action to identify the trunk group and the member number that the console is currently active on. This may be a public or private trunk group. This information is displayed on the attendant's terminal; therefore, a display feature must be assigned to the terminal. Data Rules: No other ACTION field for the same CONFIG GRP can have an entry of "TRKUSE".
TSM	For 5E12 and later. Telephone Status Monitor and Select (TSM). This enumeration supports the Telephone Status Monitor and Select Feature. This enumeration requires that the null feature (/*) be used. For more information, see Div. 2 Sec. 4A264.
XFER	Software Release: 5E8 and later. Multiway Transfer feature for "STD" DSLs when used with Standard ISDN terminals which do not have functional message capability. Data Rules: When ACTION is "XFER", GRP TYPE must be "STD"; no other ACTION field for the same CONFIG GRP can have an entry of "XFER".

Figure 1 VALID ACTION ENTRIES

ACTION Value Dependencies

Action	Feature	Param Required	Feature Type
AATOG	/*	N	NULL
* ACBFBP	Wildcard Optional	N	ACB
ACCFB	Wildcard Optional	N	AC
ACCTUSE	Wildcard Optional	N	ACCT
ACUFB	Wildcard Optional	N	AC

**** AD1CH	Wildcard Optional	N	IDP (5E5 and earlier)
			SC (5E6 and later)
**** AD1USE	Wildcard Optional	Y	IDP (5E5 and earlier)
			SC (5E6 and later)
**** AD2CH	Wildcard Optional	N	IDP (5E5 and earlier)
			SC (5E6 and later)
**** AD2USE	Wildcard Optional	Y	IDP (5E5 and earlier)
			SC (5E6 and later)
ANSBACK	No Wildcard	N	PUO
ARCFB	Wildcard Optional	N	AR
ARS1USE		N	ARS
ARS2USE		N	ARS
ARSUSE	Wildcard Optional	N	ARS
ARUFB	Wildcard Optional	N	AR
ASPUSE	/*		NULL (5E8 and earlier)
* ATACTMWI		N	NULL
* ATDCTMWI		N	NULL
ATFACT	Wildcard Optional	N	ACVT
ATFDCT	Wildcard Optional	N	ACVT
ATGACT	Wildcard Optional	N	ACVT
ATGDCT	Wildcard Optional	N	ACVT
ATHUSE	Wildcard Optional	N	ATH
* AUCUSE	/*	N	NULL
* AWTUSE	/*	N	NULL
BITOG	/*	N	NULL
** BNTOG	No Wildcard	N	CFW
BPARK	No Wildcard	N	PUO
* BYGP	Wildcard (/MH*)	N	MLHG
* BYMB	Wildcard (/MH*)	N	MLHG
* BYPO	Wildcard (/MH*)	N	MLHG
* BYRB	Wildcard (/MH*)	N	MLHG
CCL	No Wildcard	N	PUO
CFBN	No Wildcard	N	CF
CLTOG	/*	N	NULL
* CLWCUSE	Wildcard (/MS*)		MDS
CNDFBP	Wildcard Optional	N	LID
CNPUSE	Display WILDCARD feature	N	NULL
CONF	/*	N	NULL
COTFBP	Wildcard Optional	N	COT
CPNBNFBT	Wildcard (/CP*)		CPNBN
CPQ1		N	PUO
CPQ2	Wildcard Optional	N	PUO
CPQ3		N	PUO
CPQ4		N	PUO
* CTT	Wildcard (/PF*)	N	PFA
* CWDLU	No Wildcard	N	CWT
CWLMP	/*	N	NULL
DCDMCF	No Wildcard	N	MWY
*** DCTMWI	Wildcard (/MS*)		MDS
DLVRMSG			MDS
DNPUSE			DISP
DPARK	No Wildcard	N	PUO
DPN	No Wildcard		
DPU	No Wildcard	N	PUO
	Cannot be used with PUO feature /PO*		
* DQDUSE	Wildcard (/ED*)		EDS
DROP	/*	N	NULL
DTPOTSA			IDP
DTVMCF	No Wildcard	N	MWY
ECUSE	/*	N	NULL
EMUSE	/*	N	NULL
ERCO			NULL
* I1ICOM	Wildcard (/IC*)		ICM
* I2ICOM	Wildcard (/IC*)		ICM
* I3ICOM	Wildcard (/IC*)		ICM
* I4ICOM	Wildcard (/IC*)		ICM
IACOF	No Wildcard		IDP

IASPNORM	ASP wildcard (/AO*) ASP preconstructed feature (e.g., /ASPORIG) ASP constructed originating feature IDP wildcard (/ID*)		ASP/IDP (An ASP feature is not needed on the line for this feature button to operate when the action is associated with the IDP wildcard feature /ID*.)
* IBSYVFY	No Wildcard	N	PUO
ICANCEL			NULL
* ICONF	No Wildcard		MWY
* ICRBL1	/*		NULL
* ICRBL2	/*		NULL
* ICRBL3	/*		NULL
* ICRBL4	/*		NULL
* ICRBL5	/*		NULL
* ICRBL6	/*		NULL
* ICTT			PFA
* IDNACT	Wildcard Optional		ACTR
IDPASP	Wildcard Optional	N	IDP (5E8 and earlier)
IDPPVN	Wildcard Optional	N	IDP (5E8 and earlier)
IDSS		Y	NULL
IDTGS	No Wildcard		PFA
IEHGS	/*		NULL
* IEMEROVR			PUO
IFRLS	/*		NULL
* IGACT	Wildcard Optional	N	ACTR
IHGS			NULL
* IHOLD	/*		NULL
* IJOIN	/*		NULL
* IME	No Wildcard		MWY
* INIGHT	No Wildcard	N	CFW
* INSUSE	Wildcard (/DI*)		DISP
* IRLL			NULL
IRLS			NULL
* ISCCOF	Wildcard (/PF*)		PFA
* ISPLIT	/*	N	NULL
* ISTART	No Wildcard	N	MWY
LGNTOG	/*	N	NULL
LQ1DISP			NULL
LQ2DISP			NULL
LQ3DISP			NULL
LQ4DISP			NULL
LQ5DISP			NULL
LQ6DISP			NULL
LQ7DISP			NULL
LQ8DISP			NULL
LSP	No Wildcard	N	PUO
* LWCUSE	Wildcard (/MS*)		MDS
MBTOG	/*	N	NULL
* METOG	/*	N	NULL
*** MRDUSE	Wildcard Optional	N	MDS
** MWITD	No Wildcard	N	MWY
* NRMLUSE	/*		NULL
NNPRV	Display WILDCARD feature	N	NULL
NNPUB	Display WILDCARD feature	N	NULL
NXTMSG	/*		NULL
NXTSEG	/*		NULL
OASPNORM	ASP wildcard (/AO*) ASP preconstructed feature (e.g., /ASPORIG) ASP constructed originating feature		ASP
PDTEO	Wildcard Optional		PP
PDTF	Wildcard Optional		PP
PDTFO	Wildcard Optional		PP
PDTI	Wildcard Optional		PP
PDTP	Wildcard Optional		PP
PDTR	Wildcard Optional		PP
PFUSE	No Wildcard		PFA
PNTEO	Wildcard Optional		PP

PNTF	Wildcard Optional		PP
PNTFO	Wildcard Optional		PP
PNTI	Wildcard Optional		PP
PNTP	Wildcard Optional		PP
PNTR	Wildcard Optional		PP
*** PODUSE	Wildcard Optional	N	MDS
PVNUSE	/*		NULL (5E8 and earlier)
* QCANC	Wildcard (/QU*)		QU
* QCBUSY	Wildcard (/QU*)	N	QU
* QCPCWT	Wildcard (/QU*)	N	QU
* QCUSE	/*	N	NULL
* QCW1L	Wildcard (/QU*)		QU
* QCW2L	Wildcard (/QU*)		QU
* QCW3L	Wildcard (/QU*)		QU
* QCWARN	Wildcard (/QU*)	N	QU
* QCWT	Wildcard (/QU*)		QU
* QCWW	Wildcard (/QU*)		QU
RTRV	No Wildcard	N	PUO
SAUSE	/*	N	NULL
* SCAFB	Wildcard (/SA*)		SCA/CAR
* SCFFB	Wildcard (/SF*)		SCF
* SCRFB	Wildcard (/SJ*)		SCR
* SDAFB	Wildcard (/SD*)		SDA
* SDNUSE	/*		NULL
SOTOG	/*	N	NULL
* STPH	Wildcard (/MH*)		MLHG
* TCUSE	/*	N	NULL
* TODUSE	Wildcard (/DI*)		DISP
* TOGDCT	Wildcard (/CF*)		CFW
* TRKUSE	/*	N	NULL
XFER	/*	N	NULL

Notes:"*, -" CONFIG GRP and ACTION must be unique.
"** -" CONFIG GRP, ACTION and FEATURE must be unique.
"***, -" With 5E6 and later Software Releases, the FEATURE cannot be a wildcard when two or more of these ACTIONs appear
within a CONFIG GRP.

Figure 2 ACTION VALUE DEPENDENCIES

Multiway Feature Combinations

Start Button (ISTART)	MANEX Button (IME)	Join Button (IJOIN)	Description
/MWIA3WC	/MWIA3WC	NO	One-Way Call Splitting with Manual Bridging
/MWIAA3W	/MWIA3WC	NO	One-Way Call Splitting with Auto Bridging
/MWIAHA3	/MWIAHA3	YES	Two-Way Call Splitting with Manual Bridging
/MWIAA3W	/MWIAHA3	YES	Two-Way Call Splitting with Auto Bridging

Figure 3 MULTIWAY FEATURE COMBINATIONS

```
cfggrp                               5ESS Switch
SCREEN 1 OF 2                 OFFICE DATA ADMINISTRATION
(5964)                      CONFIGURATION GROUP DEFINITION


*1. CONFIG GRP      _____      5. RMK _____
*2. CPE COMPONENT _
*3. RANGE           _____
 4. GRP TYPE        STD


                          6. BUTTON LIST
ROW BUTTON FEATURE   ACTION    PARAM    ROW BUTTON FEATURE   ACTION    PARAM
```

```
1    ___    _____  _____  _____    6    ___    _____  _____  _____
2    ___    _____  _____  _____    7    ___    _____  _____  _____
3    ___    _____  _____  _____    8    ___    _____  _____  _____
4    ___    _____  _____  _____    9    ___    _____  _____  _____
5    ___    _____  _____  _____    10   ___    _____  _____  _____
```

```
cfggrp                          5ESS Switch                    _
SCREEN 2 OF 2              OFFICE DATA ADMINISTRATION
(5964)                    CONFIGURATION GROUP DEFINITION

                          6. BUTTON LIST
ROW BUTTON FEATURE  ACTION    PARAM    ROW BUTTON FEATURE  ACTION    PARAM
11   11    _____  _____  _____  21   21    _____  _____  _____
12   12    _____  _____  _____  22   22    _____  _____  _____
13   13    _____  _____  _____  23   23    _____  _____  _____
14   14    _____  _____  _____  24   24    _____  _____  _____
15   15    _____  _____  _____  25   25    _____  _____  _____
16   16    _____  _____  _____  26   26    _____  _____  _____
17   17    _____  _____  _____  27   27    _____  _____  _____
18   18    _____  _____  _____  28   28    _____  _____  _____
19   19    _____  _____  _____  29   29    _____  _____  _____
20   20    _____  _____  _____  30   30    _____  _____  _____
```

Figure 4 SAMPLE CFGGRP FORM   5E12 AND LATER SOFTWARE RELEASES

SEC. 8: DISPLAY AND PRIVACY FORMS

SEC. 8A: 5965 RECORD
DISPLAY AND PRIVACY FEATURE DEFINITION FORM - DISPFD

1. GENERAL

The 5965 Record is available with 5E4(2) and later Software Releases, and allows the calling or called number and the time and date to be displayed at an ISDN station set. This feature pertains only to calls which originate or terminate on the same switch.

With the 5E5 and later Software Releases, this feature expanded to analog lines with special Customer Premises Equipment to display the calling directory number and to inter-switch calls with use of the CCS7 signaling network.

With 5E9(1) and later when the MLHG/TERM(s) on an MLHLN form or CKT MLHG/TERM(s) on a DSLUSR form are assigned a Display feature (as defined on the DISPFD form) on either the MLHLNFA, BFG or an associated CLUSTR form, the MLHG/TERM or CKT MLHG/TERM must also be defined on the MLHLN or DSLUSR form with a CKT LCC/RAX value that corresponds to the following CLASS OF SERVICE on the LCC form:

"ATND", "B911", "LTPCLBCK", "CHGCALL", "COIN", "4WINDIV", "HOTMOTL", "HOTPBX", "INDIV", "ISATND", "ISDN", "PBX", "SATSTLN", "TWOPTY", "2PTY".

1.1 TN Privacy Feature

The TN Privacy feature allows the calling party to control display of TN information at the called party's terminal.

Two types of TN Privacy are possible: all-call and per-call.

All-call privacy prevents the TN information from being displayed to the called party for all calls unless the feature is deactivated on a per-call basis.

Per-call privacy allows the TN information to be displayed unless the TN Privacy feature is activated on a per-call basis.

Only one Display feature name is allowed on a LINEFA (5112 Record), MLHLNFA (5113 Record), BFG (5625 Record), or CLUSTR form (5600 Record).

1.2 Preconstructed Display Features

Certain Display features are predefined and automatically provided in the ODA database at the time of office registration. These are called preconstructed features. Preconstructed feature names all start with a slash (/) and the slash may not be used as the first character of any feature name other than preconstructed features. A list of preconstructed Display features is contained in Figure 1.

1.3 CLASS OF SERVICE Assignment

For the 5E5 Software Release, if a TN or an MLHG/TERM defined on a corresponding LINE, MLHLN, or DSLUSR form (5908 Record) is assigned a Display Feature on a LINEFA, MLHLNFA, BFG, or associated CLUSTR form, the TN or MLHG/TERM must have an associated LCC/RAX on the LCC form with a CLASS OF SERVICE of "INDIV", "ISDN", "ISATND", "ATND", "4WINDIV", "PBX", "CHGCALL", "SATSTLN", "CALLBK" or "B911".

For 5E6 and later Software Releases, if a TN or an MLHG/TERM defined on a corresponding LINE, MLHLN, or DSLUSR form (5908 Record) is assigned a Display Feature (as defined by the DISPFD form) on either a LINEFA, MLHLNFA, BFG, or an associated CLUSTR form, the TN or MLHG/TERM must have an associated LCC/RAX on the LCC form with a CLASS OF SERVICE of "INDIV", "ISDN", "ISATND", "ATND", "4WINDIV", "PBX", "CHGCALL", "SATSTLN", "CALLBK" (for 5E6 through 5E8) or "LTPCLBCK" (for 5E9(1) and later), "B911", "COIN", "HOTMOTL", "TWOPTY", or "2PTY".

1.4 Recent Change View

The corresponding Recent Change View for this form is 12.43.

2. FORM AND RECORD ENTRIES

2.1 * FEATURE

Description: Enter the Display Feature name. There are no restrictions on the valid characters except feature names starting with a slash (/) are reserved for preconstructed features. Preconstructed features may be reviewed in the ODA database but may not be deleted, changed or inserted.

Required Field.
Valid Entries: 1 - 8 characters

2.2 REMARKS

Description: Enter a descriptive comment.
Valid Entries: up to 32 characters

FEATURE OPTIONS

Section 2.3 -Section 2.4 refer to the display feature. These are "no change" fields for information only. The customer is not permitted to change them.

2.3 ACT TYPE

Description: This field indicates if the Display feature can be activated by the customer. An entry of "AUTO" means the feature is always active, and the customer is not permitted to activate the feature.
Default: AUTO
Valid Entries: AUTO

2.4 DEACT TYPE

Description: This field indicates if the Display feature can be deactivated by the customer for one call. An entry of "NONE" means the customer is not permitted deactivation.
Default: NONE
Valid Entries: NONE

PRIVACY

Section 2.5 -Section 2.6 refer to the TN Privacy feature.

2.5 TN PRIVACY

Description: Can the calling party control TN privacy on a per-call basis?

Required Field.
Default: N
Valid Entries: Y, N

Data Rules:

For 5E4(2) only, if this field is "Y", and this feature is assigned to a line form (MLHLN, LINE, DSL or
DSMLHLN), the line must be assigned at least one dialed code (on the PDIT (5300-2 Record) and/or
IDPDCA form (5601-1/2 Record)) or a feature button (on the CFGGRP form (5964 Record)) with an ACTION
of "DNPUSE" and/or "DNPCAN". The action performed by the dialed code or feature button is determined
as follows:

   1.   If the PRIVACY field on the appropriate line form is "Y" and the dialed code or feature button is defined
        with an ACTION of "DNPCAN", the calling TN is displayed to the called party on a per-call basis.

   2.   If the PRIVACY field on the appropriate line form is "N" and the dialed code or feature button is defined
        with an ACTION of "DNPUSE", the calling TN is not displayed to the called party on a per-call basis.

For 5E5 and later, if this field is "Y", and this feature is assigned to a line form (DSLUSR, LINE or MLHLN), the
line must be assigned at least one dialed code (on the PDIT and/or IDPDCA form) or a feature button (on the
CFGGRP form) with an ACTION of "DNPUSE". The action performed by the dialed code or feature button is
determined as follows:

   1.   If the PRIVACY field on the appropriate line form is "Y", the calling TN is displayed to the called party
        on a per-call basis.

   2.   If the PRIVACY field on the appropriate line form is "N", the calling TN is not displayed to the called
        party on a per-call basis.

For 5E7 and later Software Releases, if TNs on the LINEFA form have been assigned a display feature (either
through LINEFA, BFG, or an associated CLUSTR form(s)) defined on the DISPFD form with TN PRIVACY
set to "Y", then there must be a dialed code defined on the IDPDCA or PDIT form with ACTION of "DNPUSE",
"CNPUSE", "NNPRV", or "NNPUB".

When the Telephone Numbers (TN) on a LINE form or Circuit Telephone Numbers (CKT TN) on a DSLUSR
form are assigned a Per Call Privacy feature on either the LINEFA form, BFG form, or an associated CLUSTR
form, and if the PCP feature is defined on a DISPFD form with TN PRIVACY set to "Y", then the TN or CKT
TN must also be defined on the LINE form or DSLUSR form with an LCC/RAX value that corresponds to one
of the following CLASS OF SERVICEs on the LCC form:

"ATND", "B911", "CALLBK" (for 5E6 through 5E8) or "LTPCLBCK" (for 5E9(1) and later), "B911", "COIN",
"CHGCALL", "COIN", "4WINDIV", "HOTMOTL", "HOTPBX", "INDIV", "ISATND", "ISDN", "PBX", "SATSTLN",
"TWOPTY", "2PTY".

Additionally, the following CLASS OF SERVICEs are valid only when the SFSYS form has SFID 50 set to "S"
or (for 5E9(1) and later) has the ACT field for SFID 50 set to "Y":

"CHGCALL", "COIN", "HOTMOTL", "HOTPBX", "TWOPTY", "2PTY".

When the MLHG/TERM(s) on an MLHLN form or CKT MLHG/TERM(s) on a DSLUSR form are assigned to a

PCP (Per Call Privacy) feature on the MLHLNFA form, BFG form or an associated CLUSTR form, and if the PCP feature is defined on a DISPFD form with TN PRIVACY set to "Y", then the MLHG/TERM or CKT MLHG/TERM must also be defined on the MLHLN or DSLUSR form with an LCC/RAX value that corresponds to the following CLASS OF SERVICE on the LCC form:

"ATND", "B911", "CALLBK", "CHGCALL", "COIN", "4WINDIV", "HOTMOTL", "HOTPBX", "INDIV", "ISATND", "ISDN", "PBX", "SATSTLN", "TWOPTY", "2PTY".

Additionally, the following CLASS OF SERVICEs are valid only when the SFSYS form has SFID 50 set to "S":

"CHGCALL", "COIN", "HOTMOTL", "HOTPBX", "TWOPTY", "2PTY".

2.6 AMA REC

Description: Will billing be usage-sensitive and an AMA record be created?

The billing can be done according to how the subscribing user prefers to be billed or how the Telephone Company decides to bill if the Display feature is generally available.

Software Release: 5E5 and later
Required Field.
Default: N
Valid Entries:

Valid AMA REC Entries	
Entry	**Definition**
Y	Billing will be usage-sensitive and an AMA record will be created.
N	Billing will be done on a flat-rate basis with no AMA record created.

DISPLAY

Section 2.7 -Section 2.8 refer to the Display feature.

2.7 INSPECT

Description: Can the call information be inspected without answering the call?

INSPECT allows the user to display call information associated with a call appearance placed on hold, alert or active.

Required Field.
Default: N
Valid Entries: Y, N

Data Rules:

For 5E5 and later, TNs and MLHG/TERMs defined on the DSLUSR form (5908-2 Record) and assigned a Display Feature on either a LINEFA, MLHLNFA, BFG, or associated CLUSTR form with this field set to "Y" must have the DISPLAY field set to "Y" on the corresponding DSLUSR form.

For 5E5 and later, if a TN or an MLHG/TERM defined on a corresponding LINE, MLHLN, or DSLUSR form is assigned a Display Feature on a LINEFA, MLHLNFA, BFG, or associated CLUSTR form and this field is set to "Y", the TN or MLHG/TERM must have an associated LCC/RAX on the LCC form with a CLASS OF SERVICE of "ISDN" or "ISATND". In addition, if the CLASS OF SERVICE is "ISDN", the TERM TYPE on the corresponding DSLUSR form must be "TYPEA", "TYPEB", "TYPEC" or "TYPED".

If INSPECT is "Y", and this feature is assigned to a line, the line must be assigned a feature button (on the CFGGRP form) with an ACTION of "INSUSE".

2.8 TIME DATE

Description: Is the time and date allowed to be displayed when a button is pressed?

Required Field.
Default: N
Valid Entries: Y, N

Data Rules:

For 5E5 and later, TNs and MLHG/TERMs defined on the DSLUSR form (5908-2 Record) and assigned a Display Feature on either a LINEFA, MLHLNFA, BFG, or associated CLUSTR form with this field set to "Y" must have the DISPLAY field set to "Y" on the corresponding DSLUSR form.

For 5E5 and later, if a TN or an MLHG/TERM defined on a corresponding LINE, MLHLN, or DSLUSR form is assigned a Display Feature on a LINEFA, MLHLNFA, BFG, or associated CLUSTR form and this field is set to "Y", the TN or MLHG/TERM must have an associated LCC/RAX on the LCC form with a CLASS OF SERVICE of "ISDN" or "ISATND". In addition, if the CLASS OF SERVICE is "ISDN", the TERM TYPE on the corresponding DSLUSR form must be "TYPEA", "TYPEB", "TYPEC" or "TYPED".

If TIME DATE is "Y", and this feature is assigned to a line, the line must be assigned a feature button (on the CFGGRP form) with an ACTION of "TODUSE".

2.9 INSPECT AMA

Description: Should the billing for ISDN Inspect be usage sensitive? This field supports the ISDN Inspect feature. For more information on this feature, see Division 2, Section 1BH.

Required Feild

Software Release: 5E11 and later.
Default: Default Value: N
Valid Entries: Y, N

Data Rules:

When LINEFA or MLHLNFA form(s) have an ISDN Inspect feature, as defined on the DISPFD form with INSPECT AMA set to "Y", the LINEFA form(s) must match a DSLUSR form (TN from the LINEFA matches CKT TN from the DSLUSR form) or (MLHG/TERM from the MLHLNFA matches CKT MLHG/CKT TERM from the DSLUSR form) where the DSL CLS on the corresponding DSL form (OE on the DSLUSR form matches DSL OE on the DSL form) is "STD".

☞   ***NOTE:*** The ISDN Inspect feature can be assigned on either the LINEFA, MLHLNFA, BFG or CLUSTR forms.

ESS 5965(8/96)TG-5	DISPLAY AND PRIVACY	DATE _____
	FEATURE DEFINITION RECORD	
DISPFD	5ESS SWITCH	
12.43		
BASE _____CONT GR____	5ESS UNIT _____	PAGE_____

FEATURE	REMARKS	FEATURE OPTIONS					
		ACT TYPE	DEACT TYPE	PRIVACY		DISPLAY	
				TN PRIVACY	AMAREC	INSPECT	TIME DATE
/DI*	WILD CARD FEATURE	AUTO	NONE	N	N	N	N
/DIDLX	DELUXE DISPLAY FEATURE	AUTO	NONE	Y	N	Y	Y
/DIDNP	PER-CALL TN PRIVACY	AUTO	NONE	Y	N	N	N
/DIGA	GENERALLY AVAILABLE	AUTO	NONE	Y	Y	N	N
/DIINSP	INSPECT FEATURE	AUTO	NONE	N	N	Y	N
/DITD	TIME AND DATE FEATURE	AUTO	NONE	N	N	N	Y

Figure 1 PRECONSTRUCTED DISPLAY AND PRIVACY FEATURES   5E9 THROUGH 5E10 SOFTWARE RELEASES

ESS 5965(8/96)TG-5   DISPLAY AND PRIVACY   DATE _____

DISPFD   FEATURE DEFINITION RECORD
12.43   5ESS SWITCH
BASE_____CONT GR____   5ESS UNIT _____   PAGE_____

FEATURE	REMARKS	FEATURE OPTIONS						
		ACT TYPE	DEACT TYPE	PRIVACY		DISPLAY		
				TN PRIVACY	AMAREC	INSPECT	TIME DATE	INSPECT AMA
/DISP	WILD CARD FEATURE	AUTO	NONE	N	N	N	N	N
/DIDLX	DELUXE DISPLAY FEATURE	AUTO	NONE	Y	N	Y	Y	N
/DIGA	GENERALLY AVAILABLE	AUTO	NONE	Y	Y	N	N	N
/DIINSP	INSPECT FEATURE	AUTO	NONE	N	N	Y	N	N
/DITD	TIME AND DATE FEATURE	AUTO	NONE	N	N	N	Y	N
/DIINSPA	USAGE SENSITIVE BILLING	AUTO	NONE	N	N	Y	N	Y

Figure 2 PRECONSTRUCTED DISPLAY AND PRIVACY FEATURES   5E11 AND LATER SOFTWARE RELEASES

```
dispfd                        5ESS Switch               _
(5965)                OFFICE DATA ADMINISTRATION
                 DISPLAY AND PRIVACY FEATURE DEFINITION

*2. FEATURE DISP1                3. REMARKS _____
```

```
                         FEATURE OPTIONS

  4. ACT TYPE    AUTO
  5. DEACT TYPE NONE

 PRIVACY                              DISPLAY
 -------                              -------
  6. TN PRIVACY Y              8. INSPECT   N
  7. AMA REC    Y              9. TIME DATE N
```

Figure 3 SAMPLE DISPFD FORM   5E9 THROUGH 5E10 SOFTWARE RELEASES

```
dispfd                     5ESS Switch           _
(5965)                 OFFICE DATA ADMINISTRATION
               DISPLAY AND PRIVACY FEATURE DEFINITION

*2. FEATURE _____          3. REMARKS _____

                         FEATURE OPTIONS

  4. ACT TYPE    AUTO
  5. DEACT TYPE NONE

 PRIVACY                              DISPLAY
 _____                               _____
  6. TN PRIVACY N              8. INSPECT      N
  7. AMA REC    N              9. TIME DATE    N
                             10.  INSPECT AMA N
```

Figure 4 SAMPLE DISPFD FORM   5E11 AND LATER SOFTWARE RELEASES

SEC. 9: LINE IDENTIFICATION FORMS

SEC. 9A: 5966 RECORD
LINE IDENTIFICATION FEATURE DEFINITION FORM - LIDFD

1. GENERAL

The 5966 Record is available with 5E4(2) and later Software Releases. It is used to allow the calling number to be displayed at an ISDN station set. This feature pertains only to calls which originate or terminate on the same switch.

For 5E5 and later, this feature will be expanded to analog lines and to inter-switch calls with the use of the CCS7 signaling network.

For 5E5 later, TNs and MLHG/TERMs defined on the DSLUSR form (5908-2 Record) and assigned a Line Identification Feature on either a LINEFA form, MLHLNFA form, BFG form or an associated CLUSTR form must have the DISPLAY field set to "Y" on the corresponding DSLUSR form.

For 5E5 and later, if a TN or an MLHG/TERM defined on a corresponding LINE form, MLHLN form or DSLUSR form is assigned a LID (Line Identification Feature) on a LINEFA form, MLHLNFA form, BFG form or an associated CLUSTR form, then the TN or MLHG/TERM must have an associated LCC/RAX on the LCC form with a CLASS OF SERVICE of "INDIV", "ISDN", "ISATND", "ATND", "4WINDIV", "PBX" or "B911".

Only one Line Identification feature name is allowed on a LINEFA form, MLHLNFA form, BFG form or CLUSTR form.

Certain Line Identification features are predefined and automatically provided in the ODA database at the time of office registration. These are called preconstructed features. Preconstructed feature names all start with a slash (/), and the slash may not be used as the first character of any feature name other than preconstructed features. A list of preconstructed Display features is contained in Figure 1.

1.1 Recent Change View

The corresponding Recent Change View for this form is 12.44.

2. FORM AND RECORD ENTRIES

2.1 BASE AND CONTROL, ESS UNIT

Enter the Base and Control Number and office name on each record.

2.2 * FEATURE

Description: Enter the Line Identification Feature name.

There are no restrictions on valid characters except that feature names starting with a slash (/) are reserved for preconstructed features. Preconstructed features may be reviewed in the ODA database but may not be deleted, changed or inserted.

Software Release: 5E4(2) and later
Required Field.
Valid Entries: 1 - 8 characters

Data Rules:

If a Line Identification Feature is assigned to a TN on the LINEFA form (5112 Record) or an MLHG/TERM on the MLHLNFA form via a BFG form (5625 Record) or an associated CLUSTR form (5600 Record), then the SM(s) from NUMBER on the LINE form (5109 Record) or MLHLN form (5111) must be defined either

- on an EQDS2P form (5740 Record) with TYPE set to "LDSU2TX"

- or for 5E9(2) and later, on an EQDSC3 form with non-zero TONE XCVRS.

For 5E7 only, TNs may not have the preconstructed features /LIRDAMU, /LIRDNMU, and /LIRMDU, which support the Calling Name Delivery usage sensitive billing option, assigned on either the LINEFA, CLUSTR, or BFG form. These features may only be assigned in 5E8 and later Software Releases.

For 5E6 and later, if TN/SM(s) defined on a LINE input form that are assigned a Line Identification Feature on either a LINEFA form, a BFG form, or an associated CLUSTR form then either

- an EQDS2P input form which has TYPE set to "LDSU2TX" must be defined where the sum of the CIRCUITS EQUIPPED is greater than or equal to five for the given SM

- or for 5E9(2) and later, an EQDSC3 input form(s) must be defined where the sum of the TONE XCVRS is greater than or equal to five for the given SM.

If MLHG/TERM/SM(s) are defined on a MLHLN input form, the MLHG/TERM(s) are assigned a Line Identification Feature on the MLHLNFA, BFG or an associated CLUSTR form, and (for 5E9(2) and later) the corresponding EQIM form has the UNIT TYPE set to a value other than "SM2000", then an EQDS2P input form(s) must be defined where the sum of the CIRCUITS EQUIPPED is greater than or equal to five for the given SM.

For 5E10 and later, if this FEATURE is assigned on a CLUSTER form then, P (autoparm) on the CLUSTR form must be set to "N".

2.3 REMARKS

Description: Enter a descriptive comment of up to 32 characters.

Software Release: 5E4(2) and later
Valid Entries: 1 - 32 characters

2.4 ACT TYPE

Description: This field indicates if the feature can be activated by the customer.

Software Release: 5E4(2) and later
Required Field.
Default: AUTO
Valid Entries:

Valid ACT TYPE Entries	
Entry	**Definition**
AUTO	Customer is not permitted to activate the feature.
CODE	Customer is permitted to activate feature with a dial code.

2.5 DEACT TYPE

Description: This field indicates if the Display feature can be deactivated by the customer for one call.

Software Release: 5E4(2) and later
Required Field.
Default: NONE
Valid Entries:

Valid DEACT TYPE Entries	
Entry	Definition
NONE	Customer is not permitted deactivation.
CODE	Customer is permitted to activate feature with a dial code.

Data Rules:

"NONE" must be entered when ACT TYPE is "AUTO".

"CODE" must be entered when ACT TYPE is "CODE".

2.6 CALL NBR DELIV PRIM

Description: Should incoming call information only be sent to the terminal where the called TN is the primary TN?

Software Release: 5E4(2) and later
Required Field.
Default: N
Valid Entries: Y, N

Data Rules:

This field must be "N" if the CALL NBR DELIV ALL field is "Y".

For the 5E4(2) Software Release, TNs must be defined on the DSL form or the DSMLHLN form if they are assigned a LID (Line Identification Feature) on a LINEFA form, BFG form or an associated CLUSTR form and the corresponding LIDFD form (5966 Record) has the CALL NBR DELIV PRIM field set to "Y".

If a TN or an MLHG/TERM is assigned a LID (Line Identification Feature) and an Electronic Directory Service on a LINEFA form, MLHLNFA form, BFG form or an associated CLUSTR form and the corresponding EDSFD form (5961-1 Record) has the DISP SHRD CLG NAME set to "Y", then this field must be set to "N".

If CID CW set to "Y" on the LINE form, the TN must be assigned a Call Waiting Terminating feature (defined on the CWTFD form with INVOCATION set to "TERM"). Also, the TN must be assigned a Line Identification feature on this form with OUTGO CLD LINE ID set to "N" and either CALL NBR DELIV PRIM set to "Y", CALL NBR DELIV ALL set to "Y", or CNAM set to "Y".

2.7 CALL NBR DELIV ALL

Description: Should incoming call information be sent to all terminals which share the called TN?

Software Release: 5E4(2) and later
Required Field.
Default: N
Valid Entries: Y, N

Data Rules:

This field must be "N" if the CALL NBR DELIV PRIM field is "Y".

For the 5E4(2) Software Release, if a TN or an MLHG/TERM is assigned a Line Identification Feature on either a LINEFA form, MLHLNFA form, BFG form or an associated CLUSTR form and the CALL NBR DELIV ALL field is set to "Y" on the corresponding LIDFD form, then the TN or MLHG/TERM must be defined on the corresponding LINE form, MLHLN form or DSLUSR form with the SHARED field set to "Y". If SHARED is "N", the value in the CALL NBR DELIV ALL field is ignored.

For 5E5 and later Software Releases, if a TN (defined on the LINE form or DSLUSR form) or an MLHG/TERM (defined on the MLHLN form or DSLUSR form) is assigned a Line Identification Feature on either a LINEFA form, MLHLNFA form, BFG form or an associated CLUSTR form and the CND NBR DELIV ALL field is set to "Y" on the corresponding LIDFD form, then the SHARED field must be set to "Y" on the corresponding LINE form, MLHLN form or DSLUSR form.

If a TN or a MLHG/TERM is assigned a LID (Line Identification) feature and an Electronic Directory Service on a LINEFA form, MLHLNFA form, BFG form or an associated CLUSTR form and the corresponding EDSFD form has the DISP PRIM CLG NAME set to "Y", then this field must be set to "N".

If CID CW set to "Y" on the LINE form, the TN must be assigned a Call Waiting Terminating feature (defined on the CWTFD form with INVOCATION set to "TERM". Also, the TN must be assigned a Line Identification feature on this form with OUTGO CLD LINE ID set to "N" and either CALL NBR DELIV PRIM set to "Y", CALL NBR DELIV ALL set to "Y", or CNAM set to "Y".

2.8 OUTGO CLD LINE ID

Description: Is OCLID (Outgoing Called Lined Identification) allowed?

This feature allows the originator of the call to display information about the called party. The information provided consists of the call appearance identifier, called TN, ICI (ISDN Call Identification) and permissions of the called TN.

Software Release: 5E4(2) and later
Required Field.
Default: N
Valid Entries: Y, N

Data Rules:

If CID CW set to "Y" on the LINE form, the TN must be assigned a Call Waiting Terminating feature (defined on the CWTFD form with INVOCATION set to "TERM"). Also, the TN must be assigned a Line Identification feature on this form with OUTGO CLD LINE ID set to "N" and either CALL NBR DELIV PRIM set to "Y", CALL NBR DELIV ALL set to "Y", or CNAM set to "Y".

2.9 AMA REC

Description: Will CND billing be done on a usage-sensitive basis? This field indicates the type of billing to be performed. If AMA REC is "Y", CND billing will be done on a usage-sensitive basis with an AMA record created. If AMA REC is "N", CND billing will be done on a flat-rate basis with no AMA record created.

Software Release: 5E5 and later
Required Field.
Default: N
Valid Entries: Y, N

2.10 CNAM

Description: Should the calling name be delivered to the terminating line?

Software Release: 5E7 and later
Required Field.
Default: N
Valid Entries: Y, N

Data Rules:

ACT SFID 40 field (for 5E9(1) and later) must be set to "Y" on the SFSYS form (5713-1 Record) before non-preconstructed features can have the field CNAM set to "Y".

For 5E8 and later, this field must be "Y" if the CNAM AMA field is "Y".

If CID CW set to "Y" on the LINE form, the TN must be assigned a Call Waiting Terminating feature (defined on the CWTFD form with INVOCATION set to "TERM"). Also, the TN must be assigned a Line Identification feature on this form with OUTGO CLD LINE ID set to "N" and either CALL NBR DELIV PRIM set to "Y", CALL NBR DELIV ALL set to "Y", or CNAM set to "Y".

2.11 CNAM AMA

Description: Will CNAM billing be done on a usage-sensitive basis? This field indicates the type of billing to be performed. If CNAM AMA is "Y", CNAM billing will be done on a usage-sensitive basis with an AMA record created. If CNAM AMA is "N", CNAM billing will be done on a flat-rate basis with no AMA record created.

Software Release: 5E8 and later
Required Field.
Default: N
Valid Entries: Y, N

FEATURE	REMARKS	FEATURE OPTIONS							
		ACT TYPE	DEACT TYPE	CALL NBR DELIV PRIM	CALL NBR DELIV ALL	OUTGO CLD LINE ID	AMA REC	CNAM	CNAM AMA
/LI*	LINE ID WILD-CARD FEATURE	AUTO	NONE	N	N	N	N	N	N
/LICNDA	CALLING NUM DEL ALL TERMS	AUTO	NONE	N	Y	N	N	N	N
/LICNDP	CALLING NUM DEL PRIM TERM ONLY	AUTO	NONE	Y	N	N	N	N	N
/LIDADA	CND ALL TERMINALS ACT & DEACT	CODE	CODE	N	Y	N	Y	N	N
/LIDADAO	ICLID ALL TERMINALS & OCLID	CODE	CODE	N	Y	Y	Y	N	N
/LIDADP	CND PRIMARY TERMINAL ACT & DEACT	CODE	CODE	Y	N	N	Y	N	N
/LIDADPO	ICLID PRIM & OCLID ACT & DEACT	CODE	CODE	Y	N	Y	Y	N	N
/LIDLXA	ICLID ALL TERMS + OCLID	AUTO	NONE	N	Y	Y	N	N	N

/LIDLXP	ICLID PRIM TERM ONLY + OCLID	AUTO	NONE	Y	N	Y	N	N	N
/LIOCLID	OUTGOING CALL ID FEATURE	AUTO	NONE	N	N	Y	N	N	N
/LIRCNMA	NAME; NUM DEL ALL TERMS	AUTO	NONE	N	Y	N	N	Y	N
/LIRCNMP	NAME; NUM DEL PRIM TERM ONLY	AUTO	NONE	Y	N	N	N	Y	N
/LIRDAMU	NAME/NUM, NAME USE SENS, ACT/DCT PRIM	CODE	CODE	N	Y	N	N	Y	Y
/LIRDNMA	NAME; NUM, DISP ACT/DCT - ALL	CODE	CODE	N	Y	N	Y	Y	N
/LIRDNMP	NAME; NUM, DISP ACT/DCT PRIM	CODE	CODE	Y	N	N	Y	Y	N
/LIRDNMU	NAME/NUM, USE SENS, ACT/DCT	CODE	CODE	N	Y	N	Y	Y	Y
/LIRMA	CALLING NAME DELIVERY ONLY	AUTO	NONE	N	N	N	N	Y	N
/LIRMDU	NAME ONLY USE SENS, ACT/DCT	CODE	CODE	N	N	N	N	Y	Y

Figure 1 PRECONSTRUCTED LINE IDENTIFICATION FEATURE DEFINITIONS 5E8 AND LATER SOFTWARE RELEASES

```
lidfd                            5ESS Switch           _
(5966)                      OFFICE DATA ADMINISTRATION
                       LINE IDENTIFICATION FEATURE DEFINITION

*2. FEATURE LIDORIG                   3. REMARKS LID ORIGINATING


                          FEATURE OPTIONS

  4. ACT TYPE             AUTO
  5. DEACT TYPE           NONE
  6. CALL NBR DELIV PRIM Y
  7. CALL NBR DELIV ALL  N
  8. OUTGO CLD LINE ID   Y
  9. AMA REC             Y
 10. CNAM                Y
 11. CNAM AMA            Y
```

Figure 2 SAMPLE LIDFD FORM   5E8 AND LATER SOFTWARE RELEASES

SEC. 10: ISDN ATTENDANT CONTROL OF VOICE TERMINALS FORMS

SEC. 10A: 5967-1 RECORD
ISDN ATTENDANT CONTROL OF VOICE TERMINALS
FEATURE DEFINITION FORM - ACVTFD

1. GENERAL

The 5967-1 Record is applicable to 5E4(2) and later Software Releases. The ACVTFD form is used to define the various combinations of options associated with an ACVT (Attendant Control of Voice Terminals) feature.

The Attendant Control of Voice Terminals feature enables the attendant to place or remove a restriction on a TN or a group of TNs, enables the switch to automatically activate or deactivate a restriction on TNs or group of TNs, and allows screening to determine whether the originator and terminator are allowed to communicate with each other.

The feature can be activated manually or automatically. Manual activation by an attendant can be done through a dialed code (on the PDIT and/or IDPDCA form) or a feature button (on the CFGGRP form) with an ACTION of "IDNACT" for an individual TN or "IGACT" for a group of TNs. Automatic activation can be done for customer-specified telephone numbers and times through the Time of Day feature.

Each terminal (line) which is to use the ACVT feature must be assigned an ACVT feature name (defined on the ACVTFD Form, 5967-1 Record) on the appropriate BFG, LINEFA, MLHLNFA form or associated CLUSTR form. A line may not be assigned more than one ACVT feature.

1.1 Feature Assignment

For 5E6 only, when a TN is assigned an ACVT feature (on the LINEFA, BFG, or associated CLUSTR form), an ATT MLHG must be entered on the LINE or DSLUSR form where the TN is defined as TN or CKT TN.

For 5E6 only, when a member of an MLHG is assigned an ACVT feature (on the MLHLNFA, BFG, or associated CLUSTR form), the ATT MLHG must be entered on either the MLHG form or the MLHLN or DSLUSR form as follows:

- For a "UCD" hunt group:

  — ATT MLHG for Member 0001 may be entered on either the MLHG form or on the MLHLN or DSLUSR form.

  — For all other members, ATT MLHG must be entered on the MLHLN or DSLUSR form.

- For an "HTC", "REG", or "PMHG" hunt group:

  — ATT MLHG for Member 0001 must be entered on the MLHG form.

  — For all other members, ATT MLHG must be entered on the MLHLN or DSLUSR form.

For 5E7 and later, when a TN is assigned an ACVT feature that is defined with CONTROL set to "TERM", an ATT MLHG must be entered on the LINE or DSLUSR form where the TN is defined as TN or CKT TN. The ATT MLHG must be defined on a corresponding MLHG form that has an MLHG FEATURE which in turn is defined on an MLHGFD form that has HUNT TYPE set to "ISAT".

For 5E7 and later, when a member of an MLHG is assigned an ACVT feature that is defined with CONTROL

set to "TERM", the ATT MLHG must be entered on either the MLHG form or the MLHLN or DSLUSR form as specified below. Also, the ATT MLHG must be defined on a corresponding MLHG form with an MLHG FEATURE defined on an MLHGFD form that has HUNT TYPE set to "ISAT".

- For a "UCD" hunt group:

    — ATT MLHG for Member 0001 may be entered on either the MLHG form or on the MLHLN or DSLUSR form.

    — For all other members, ATT MLHG must be entered on the MLHLN or DSLUSR form.

- For an "HTC", "REG", or "PMHG" hunt group:

    — ATT MLHG for Member 0001 must be entered on the MLHG form.

    — For all other members, ATT MLHG must be entered on the MLHLN or DSLUSR form.

1.2 Preconstructed Features

Certain ACVT features are predefined and automatically provided in the ODA database at the time of office registration. These are called preconstructed features. Preconstructed feature names all start with a slash (/), and the slash may not be used as the first character of any feature other than preconstructed features. A list of the preconstructed ACVT features is contained in Figure 1 .

1.3 Recent Change View

The corresponding Recent Change View for this form is 12.46.

2. FORM AND RECORD ENTRIES

2.1 BASE AND CONTROL, ESS UNIT

Enter the Base and Control Number and office name on each record.

2.2 * FEATURE

Description: Enter the Attendant Control of Voice Terminals feature name. Feature name may not start with a slash (/); names starting with a slash are reserved for preconstructed features. Preconstructed features may be reviewed in the ODA database but may not be deleted, changed or inserted.

Required Field.
Valid Entries: 1 - 8 characters

2.3 REMARKS

Description: Enter a descriptive comment.
Valid Entries: 1 - 32 characters

FEATURE OPTIONS

The following fields (Section 2.4 - Section 2.7) define the feature options assigned with the feature to

terminals (lines).

2.4 # CONTROL

Description: Indicates the controller of the restrictive attendant feature.

Required Field.
Default: TERM
Valid Entries:

Valid CONTROL Entries	
Entry	**Definition**
ORIG	This entry is used to assign the feature entered in the FEATURE field to an attendant.
TERM	This entry is used to assign the feature entered in the FEATURE field to a non-attendant terminal.

Data Rules:

When CONTROL is set to "ORIG", the following field entries apply:

ACVT GRP must be blank

ROUTE INDEX must be blank

RESTRICT must be "NONE"

ERROR TYPE must be "TONE"

ERROR TN must be blank.

Class of Service on the associated LCC form must be set to "ISATND", and an associated CKT TN or CKT MLHG/TERM must be defined on the DSLUSR form.

☞   **NOTE:** Attendant Controlled Restriction Groups may only be set to "Y" when CONTROL is "ORIG".

When CONTROL is "TERM", the line must have an associated CLASS OF SERVICE on the LCC form of "INDIV", "ISDN" or "4WINDIV".

2.5 AMA CHRG

Description: This field indicates the AMA charging. The default and only value for this field is "FLAT".
Default: FLAT
Valid Entries: FLAT

2.6 ACT TYPE

Description: This field is used to indicate whether or not the Attendant Control feature can be activated by the customer.
Default: AUTO
Valid Entries:

Valid ACT TYPE Entries	
Entry	**Definition**
AUTO	Automatic activation of feature.
CODE	Dial code activation of feature.

Data Rules:

When ACT TYPE is "AUTO", DEACT TYPE must be "NONE". When ACT TYPE is "CODE", DEACT TYPE must be "CODE" or "AUTO".

If ACT TYPE is "CODE", and the feature is assigned to a line, there must be at least one dialed code defined on either the PDIT form (5300-2 Record) or on the IDPDCA form (5601-1/2 Record), with an ACTION of "FTACT" and FEATURE equal to this ACVT feature.

An ACVT feature with ACT TYPE "CODE" and DEACT TYPE "AUTO" cannot be assigned to a CKT TN defined on a DSLUSR form that has a CLASS OF SERVICE (on the corresponding LCC form) of "ISDN" or "ISATND".

2.7 DEACT TYPE

Description: This field is used to indicate whether or not the Attendant Control feature can be deactivated by the customer.
Default: NONE
Valid Entries:

Valid DEACT TYPE Entries	
Entry	**Definition**
AUTO	Automatic deactivation of feature by dial code for (1) call.
CODE	Dial code deactivation of feature.
NONE	No deactivation allowed for feature.

Data Rules:

When DEACT TYPE is "AUTO" or "CODE", ACT TYPE must be "CODE". When DEACT TYPE is "NONE", ACT TYPE must be "AUTO".

If DEACT TYPE is "AUTO", and the feature is assigned to a line, there must be at least one dialed code defined on either the PDIT form (5300-2 Record) or on the IDPDCA form (5601-1/2 Record), with an ACTION of "FTDCT".

If DEACT TYPE is "CODE", and the feature is assigned to a line, there must be at least one dialed code defined on either the PDIT form (5300-2 Record) or on the IDPDCA form (5601-1/2 Record), with an ACTION of "FTDCT" and FEATURE equal to this ACVT feature.

DEFAULT PARAMETERS

The following fields (Section 2.8 - Section 2.12) define the default parameters assigned with the feature to terminals (lines). These parameters will be assigned to the terminal unless they are overridden by entries on the ACVTLPA or ACVTMPA forms.

2.8 ACVT GRP

Description: Enter an ACVT group name.
Valid Entries: 1 - 8 characters

Data Rules:

The ACVT GRP(s) must be defined on the ACVTGP form if the ACVT GRP(s) are assigned as DEFAULT PARAMETERS on the ACVTFD form. If ACVT GRP is entered, then RESTRICT must be "NONE".

2.9 RESTRICT

Description: Enter a valid type of restriction for Attendant Control of Voice Terminals.
Default: NONE
Valid Entries:

Valid RESTRICT Entries	
Entry	Definition
NONE	No attendant control of voice terminal restriction .
OUTGOING	Denies direct dialed calls to the public and private networks. Calls to the attendant, incoming calls and calls to other terminals within the same group are not affected by this restriction.
TRM2TRM	Denies incoming calls from other terminals in the same terminal group. Calls from the attendant and calls from outside the terminal group are allowed. Origination of calls is not affected.
T2OUT	A combination of OUTGOING and TRM2TRM. The terminal can call the attendant or other stations within the terminal group. The terminal can receive calls from the attendant or from other terminals that are outside the terminal group.
ALL	Denies all service to an extension number. All incoming and outgoing calls are blocked. In addition the user is not allowed to dial access codes associated with a feature (e.g., activate call forwarding).
INCOMING	Denies all incoming calls from outside or within the terminal group to provide a form of "do-not-disturb" service.
INOUT	A combination of OUTGOING and INCOMING restrictions. All incoming calls are blocked. The user can call the attendant or other terminals within the terminal group.

ERROR TREATMENT

The following fields (Section 2.10 - Section 2.12) define the error treatment assigned with the feature to terminals (lines). These treatments will be assigned to the terminal (lines) unless they are overridden by entries on the ACVTLPA or ACVTMPA forms.

2.10 ERROR TYPE

Description: Enter a valid type of error treatment type.
Default: TONE
Valid Entries:

Valid ERROR TYPE Entries	
Entry	Definition
TONE	Tone
ANNC	Announcement
RERTE	Reroute to another TN

Data Rules:

When ERROR TYPE is "TONE", ROUTE INDEX and ERROR TN must be blank. When ERROR TYPE is "ANNC", ROUTE INDEX must be entered and ERROR TN must be blank. When ERROR TYPE is "RERTE", ERROR TN must be entered and ROUTE INDEX must be blank.

2.11 ROUTE INDEX

Description: Enter a valid route index for routing of restricted calls.
Valid Entries:
     For 5E10 and earlier: 1 - 3617
     For 5E11 and later: 1 - 4095

Data Rules:

If this field is entered, ERROR TN must be blank.

The ROUTE INDEX entered here must also be defined on an RTIDX form with a ROUTE TYPE of "HUNT".

2.12 ERROR TN

Description: Enter a valid Telephone Number for routing restricted calls.
Valid Entries: 1 - 10 digits (0 to 9, * or #)

Data Rules:

This field is only entered when ERROR TYPE is "RERTE". If ERROR TN is entered, ROUTE INDEX must be blank.

2.13 ATTENDANT CONTROLLED RESTRICTION GROUPS (1-63)

Description: The Attendant Controlled Restriction Groups list consists of a list of up to 63 restriction groups and is used to indicate whether or not this ISDN attendant can control this restriction group.
Default: N
Valid Entries: Y, N

Data Rules:

If any of the 63 restriction groups is "Y", the ISDN attendant must have CONTROL set to "ORIG".

When an MLHG member is assigned an ACVT feature with at least one of the ATTENDANT CONTROLLED RESTRICTION GROUPS set to "Y" on this form or on an ACVTMPA form, then for each restriction group set to "Y", the RESTRICTION GROUP and the MLHG must be specified as RSTRCT GRP and ISAT GRP, respectively, on an ACVTGP form.

ESS 5967-1(3/93)TG-5   ISDN ATTENDANT CONTROL OF VOICE   DATE _____
                                 TERMINALS FEATURES DEFINITION RECORD
ACVTFD   5ESS SWITCH
12.46
BASE_____CONT GR____   5ESS UNIT _____   PAGE_____

FEATURE	REMARKS	FEATURE OPTIONS				DEFAULT PARAMETERS		ERROR TREATMENT	ATTENDANT CONTROLLED RESTRICTION GRO
		CONTROL	AMACHRG	ACT TYPE	DEACT TYPE	ACVTGRP	RESTRICT		

		ENTRY TYPE			ROUTE INDEX		ENTRY ERROR		USR GRP NBR			
/ACVTO	ACVT ORIGINATING FEATURE.	ORIG	FLAT		NONE		NONE	TONE	0	1	8	4
									1	7	3	9
									0	1	3	5
									2	8	4	0
									0	1	3	5
									3	9	5	1
									0	2	3	5
									4	0	6	2
									0	2	3	5
									5	1	7	3
									0	2	3	5
									6	2	8	4
									0	2	3	5
									7	3	9	5
									0	2	4	5
									8	4	0	6
									0	2	4	5
									9	5	1	7
/ACVTT	ACVT TERMINATING FEATURE.	TERM	FLAT		NONE		NONE	TONE	1	2	4	5
									0	6	2	8
									1	2	4	5
									1	7	3	9
									1	2	4	6
									2	8	4	0
									1	2	4	6
									3	9	5	1
									1	3	4	6
									4	0	6	2
									1	3	4	6
									5	1	7	3
									1	3	4	
									6	2	8	
/AT*	ATTENDANT CONTROL WILDCARD.	TERM	FLAT		NONE		NONE	TONE	0	1	3	4
									1	7	3	9
									0	1	8	5

												1 6	3 4	4 8	

Figure 1 PRECONSTRUCTED ACVT FEATURES

```
SCREEN 1 of 2                      5ESS Switch
acvtfd                       OFFICE DATA ADMINISTRATION
(5967-1) ISDN ATTENDANT CONTROL OF VOICE TERMINALS FEATURE DEFINITION


*2. FEATURE  1ACVTO               3. REMARKS ORIGINATE ATTENDANT


                         FEATURE OPTIONS
#4. CONTROL  ORIG                     6. ACT TYPE    CODE
 5. AMA CHRG FLAT                     7. DEACT TYPE  CODE


                    DEFAULT PARAMETERS
                                    ERROR TREATMENT:
 8. ACVT GRP _____              10. ERROR TYPE  TONE
 9. RESTRICT NONE                  11. ROUTE INDEX ____
                                   12. ERROR TN    _____
```

```
SCREEN 2 of 2                      5ESS Switch            _
acvtfd                       OFFICE DATA ADMINISTRATION
(5967-1) ISDN ATTENDANT CONTROL OF VOICE TERMINALS FEATURE DEFINITION


           13. ATTENDANT CONTROLLED RESTRICTION GROUPS


     1. N    10. N    19. N    28. N    37. N    46. N    55. N
     2. N    11. N    20. N    29. N    38. N    47. N    56. N
     3. N    12. N    21. N    30. N    39. N    48. N    57. N
     4. N    13. N    22. N    31. N    40. N    49. N    58. N
     5. N    14. N    23. N    32. N    41. N    50. N    59. N
     6. N    15. N    24. N    33. N    42. N    51. N    60. N
     7. N    16. N    25. N    34. N    43. N    52. N    61. N
     8. N    17. N    26. N    35. N    44. N    53. N    62. N
     9. N    18. N    27. N    36. N    45. N    54. N    63. N
```

Figure 2 SAMPLE ACVTFD FORM   5E4(2) AND LATER SOFTWARE RELEASES

SEC. 10B: 5967-2 RECORD
ISDN ATTENDANT CONTROL OF VOICE TERMINALS
GROUP PARAMETERS FORM - ACVTGP

1. GENERAL

The 5967-2 record is applicable to 5E4(2) and later Software Releases. The ACVTGP form is used to define the group parameter data associated with an ACVT (Attendant Control of Voice Terminals) group.

1.1 Recent Change View

The corresponding Recent Change View for this form is 4.46.

2. FORM AND RECORD ENTRIES

2.1 BASE AND CONTROL, ESS UNIT

Enter the Base and Control Number and office name on each record.

2.2 * ACVT GRP

Description: Enter an ACVT group name.

Required Field.
Valid Entries: 1 - 8 characters

Data Rules:

Each ACVT GRP must have a unique RSTRCT GRP/ISAT GRP combination.

2.3 # RSTRCT GRP

Description: Enter a valid ACVT restrictive group number associated with this ACVT group.

Required Field.
Valid Entries: 1 - 63

2.4 # ISAT GRP

Description: Enter a valid ISDN Attendant MLHG number.

Required Field.
Valid Entries:
    For 5E14 and earlier: 1 - 2000
    For 5E15 and later: 1 - 8191

Data Rules:

The ISAT GRP entered here must also be defined on an MLHG form with a HUNT TYPE of "ISAT" on a corresponding MLHGFD Form.

2.5 RESTRICT

Description: Enter a valid type of restriction for Attendant Control of Voice Terminals.
Default: NONE
Valid Entries:

Valid RESTRICT Entries

Entry	Definition
NONE	No attendant control of voice terminal restriction
OUTGOING	Denies direct dialed calls to the public and private networks. Calls to the attendant, incoming calls and calls to other terminals within the same group are not affected by this restriction.
TRM2TRM	Denies incoming calls from other terminals in the same terminal group. Calls from the attendant and calls from outside the terminal group are allowed. Origination of calls is not affected.
T2OUT	A combination of OUTGOING and TRM2TRM. The terminal can call the attendant or other stations within the terminal group. The terminal can receive calls from the attendant or from other terminals that are outside the terminal group.
ALL	Denies all service to an extension number. All incoming and outgoing calls are blocked. In addition the user is not allowed to dial access codes associated with a feature (e.g. activate call forwarding).
INCOMING	Denies all incoming calls from outside or within the terminal group to provide a form of "do-not-disturb" service.
INOUT	A combination of OUTGOING and INCOMING restrictions. All incoming calls are blocked. The user can call the attendant or other terminals within the terminal group.

2.6 ACTIVE

Description: Is this restriction active for this group? The default and only value for this field is "Y".
Default: Y
Valid Entries: Y

ERROR TREATMENT

The following (Section 2.7 - Section 2.9) define the error treatment assigned with the feature to terminals.

2.7 ERROR TYPE

Description: Enter a valid error treatment type.
Default: TONE
Valid Entries:

Valid ERROR TYPE Entries

Entry	Definition
TONE	Tone
ANNC	Announcement
RERTE	Reroute to another TN.

Data Rules:

When ERROR TYPE is "TONE", ROUTE INDEX and ERROR TN must be blank. When ERROR TYPE is "ANNC", ROUTE INDEX must be entered. When ERROR TYPE is "RERTE", ERROR TN must be entered.

2.8 ROUTE INDEX

Description: Enter a valid route index for routing restricted calls.
Valid Entries:
        For 5E10 and earlier: 1 - 3617
        For 5E11 and 5E12: 1 - 4095
        For 5E13 and later: Blank, or 1 - 16382

Data Rules:

If this field is entered, ERROR TN must be blank.

The ROUTE INDEX entered here must also be defined on an RTIDX Form.

2.9 ERROR TN

Description: Enter a valid Telephone Number for routing restricted calls. The TN is a 7-digit number
XXXXXXX or a 10 digit number NPAXXXXXXX.
Valid Entries: 7 or 10 digits

Data Rules:

This field is only entered when ERROR TYPE is set to "RERTE". If ERROR TN is entered, ROUTE INDEX
must be blank.

```
acvtgp                          5ESS Switch            _
(5967-2)                    OFFICE DATA ADMINISTRATION
          ISDN ATTENDANT CONTROL OF VOICE TERMINALS GROUP PARAMETERS


*1. ACVT GRP    GROUP1
#2. RSTRCT GRP  01
#3. ISAT GRP    0001
 4. RESTRICT    NONE
 5. ACTIVE      Y


ERROR TREATMENT:

 6. ERROR TYPE  TONE
 7. ROUTE INDEX _____
 8. ERROR TN    _____
```

Figure 1 SAMPLE ACVTGP FORM   5E4(2) AND LATER SOFTWARE RELEASES

SEC. 10C: 5967-3 RECORD
ISDN ATTENDANT CONTROL OF VOICE TERMINALS
TN PARAMETERS - ACVTLPA

1. GENERAL

The 5967-3 record is applicable to 5E4(2) and later Software Releases. The ACVTLPA form associates a Telephone Number with an ACVT (Attendant Control of Voice Terminals) feature and an ACVT group. The ACVTLPA form is used when assigning ACVT feature parameters to non Multi-Line Hunt lines when the default parameters of the ACVTFD form (5967-1 Record) are inappropriate or unspecified.

1.1 Recent Change View

The corresponding Recent Change View for this form is 1.46.

2. FORM AND RECORD ENTRIES

2.1 BASE AND CONTROL, ESS UNIT

Enter the Base and Control Number and office name on each record.

2.2 * TN

Description: Enter a valid Telephone Number for the ACVT group.

Required Field.
Valid Entries:
    For 5E11 and earlier: 7 digits
    For 5E12 and later: XXXXXXX or NXXXXXXXXX where N is 2 - 9 and X is 0 - 9

Data Rules:

For 5E12 and later, TN/FEATURE combinations on different ACVTLPA forms cannot be duplicated.

For 5E12 and later, if the first 3 digits of the 7-digit TNs on the ACVTLPA form are equivalent to an OFFICE CODE on the NOC form, and there is more than one NOC form with the same value for OFFICE CODE, or the NOC form does not exist, the 7-digit TN(s) must be a 10-digit TN with the NPA/OFFICE CODE defined on the NOC form.

2.3 * FEATURE

Description: Enter the name of the ACVT feature for which the parameters are to be assigned.

Required Field.
Valid Entries: 1 - 8 characters

Data Rules:

This feature name must be defined on the ACVTFD form.

2.4 ACVT GRP

Description: Enter the name of the ACVT group of which this line is a member.
Valid Entries: 1 - 8 characters

Data Rules:

This ACVT group name must be defined on the ACVTGP form (5967-2 Record) and must not be on the ACVTFD form.

2.5 ISAT GRP

Description: This is a Recent Change Verify (display) only field. The ISDN Attendant MLHG number is in the range of 1 - 2000 for 5E14 and earlier releases and in the range of 1 - 8191 for 5E15 and later release.

2.6 RESTRICT

Description: Enter a valid type of restriction for Attendant Control of Voice Terminals.
Default: NONE
Valid Entries:

Valid RESTRICT Entries	
Entry	**Definition**
NONE	No attendant control of voice terminal restriction.
OUTGOING	Denies direct dialed calls to the public and private networks. Calls to the attendant, incoming calls and calls to other terminals within the same group are not affected by this restriction.
TRM2TRM	Denies incoming calls from other terminals in the same terminal group. Calls from the attendant and calls from outside the terminal group are allowed. Origination of calls is not affected.
T2OUT	A combination of OUTGOING and TRM2TRM. The terminal can call the attendant or other stations within the terminal group. The terminal can receive calls from the attendant or from other terminals that are outside the terminal group.
ALL	Denies all service to an extension number. All incoming and outgoing calls are blocked. In addition, the user is not allowed to dial access codes associated with a feature (e.g. activate call forwarding).
INCOMING	Denies all incoming calls from outside or within the terminal group to provide a form of "do-not-disturb" service.
INOUT	A combination of OUTGOING and INCOMING restrictions. All incoming calls are blocked. The user can call the attendant or other terminals within the terminal group.
ODCTNRES	Software Release: 5E8 and later. Originating Direct Connect, unrestricted terminations.

Data Rules:

If ACVT GRP is known, RESTRICT must be "NONE".

ERROR TREATMENT

The following fields (Section 2.7 - Section 2.9) define the error treatment assigned with the feature to lines.

2.7 ERROR TYPE

Description: Enter a valid error treatment type.
Default: TONE
Valid Entries:

Valid ERROR TYPE Entries	
Entry	**Definition**
TONE	Tone

ANNC	Announcement
RERTE	Reroute to another TN

Data Rules:

When ERROR TYPE is "TONE", ROUTE INDEX and ERROR TN must be blank. When ERROR TYPE is "ANNC", ROUTE INDEX must be entered. When ERROR TYPE is "RERTE", ERROR TN must be entered.

2.8 ROUTE INDEX

Description: Enter a valid route index for routing restricted calls.
Valid Entries:
    For 5E10 and earlier: 1 - 3617
    For 5E11 and 5E12: 1 - 4095

    For 5E13 and later: 1 - 16382

Data Rules:

If this field is entered, ERROR TN must be blank.

The ROUTE INDEX entered here must also be defined on the RTIDX form (5303 Record) and have the ROUTE TYPE on the RTIDX form set to "HUNT".

2.9 ERROR TN

Description: Enter a valid Telephone Number for routing restricted calls.
Valid Entries: up to 10 digits (0 to 9, * or #)

Data Rules:

This field is only entered when ERROR TYPE is "RERTE".

If ERROR TN is entered, ROUTE INDEX must be blank.

2.10 ATTENDANT CONTROLLED RESTRICTION GROUPS (1-63)

Description: The Attendant Controlled Restriction Groups list consists of a list of up to 63 ACVT restriction groups and indicates whether or not this ISDN attendant can control this ACVT group number.
Default: N
Valid Entries: Y, N

Data Rules:

If any of the 63 restriction groups is "Y", the TN/FEATURE on the ACVTLPA form must be on an ACVTFD input form with CONTROL set to "ORIG".

When any of the 63 restrictive groups is "Y", the following field entries are required:

    ISAT GRP must be blank

    ERROR TN must be blank

    ROUTE INDEX must be blank

ACVT GRP must be blank

RESTRICT must be "NONE"

ERROR TYPE must be "TONE".

```
SCREEN 1 of 2                    5ESS Switch
acvtlpa                   OFFICE DATA ADMINISTRATION
(5967-3)    ISDN ATTENDANT CONTROL OF VOICE TERMINALS TN PARAMETERS

*1. TN         5552345
*2. FEATURE    CONTROL1
 3. ACVT GRP   GROUP1
    ISAT GRP
 5. RESTRICT   NONE

ERROR TREATMENT:

 6. ERROR TYPE  TONE
 7. ROUTE INDEX ____
 8. ERROR TN    _____
```


```
SCREEN 2 of 2                    5ESS Switch          _
acvtlpa                   OFFICE DATA ADMINISTRATION
(5967-3)    ISDN ATTENDANT CONTROL OF VOICE TERMINALS TN PARAMETERS

           9. ATTENDANT CONTROLLED RESTRICTION GROUPS


        1. N    10. N   19. N   28. N   37. N   46. N   55. N
        2. N    11. N   20. N   29. N   38. N   47. N   56. N
        3. N    12. N   21. N   30. N   39. N   48. N   57. N
        4. N    13. N   22. N   31. N   40. N   49. N   58. N
        5. N    14. N   23. N   32. N   41. N   50. N   59. N
        6. N    15. N   24. N   33. N   42. N   51. N   60. N
        7. N    16. N   25. N   34. N   43. N   52. N   61. N
        8. N    17. N   26. N   35. N   44. N   53. N   62. N
        9. N    18. N   27. N   36. N   45. N   54. N   63. N
```

Figure 1 SAMPLE ACVTLPA FORM   5E11 AND EARLIER SOFTWARE RELEASES

```
acvtlpa                          5ESS Switch
SCREEN 1 OF 2               OFFICE DATA ADMINISTRATION
(5967-3)    ISDN ATTENDANT CONTROL OF VOICE TERMINALS TN PARAMETERS

*1. TN          _____
```

```
*2. FEATURE   _____
 3. ACVT GRP  _____
    ISAT GRP  ____
 5. RESTRICT NONE


      ERROR TREATMENT
 6. ERROR TYPE  TONE
 7. ROUTE INDEX ____
 8. ERROR TN    _____
```

```
acvtlpa                        5ESS Switch          _
SCREEN 2 OF 2             OFFICE DATA ADMINISTRATION
(5967-3)    ISDN ATTENDANT CONTROL OF VOICE TERMINALS TN PARAMETERS

         9. ATTENDANT CONTROLLED RESTRICTION GROUPS(ACVTGRP)
ROW RESGRP ROW RESGRP ROW RESGRP ROW RESGRP ROW RESGRP ROW RESGRP ROW RESGRP
 1    N    10   N     19   N     28   N     37   N     46   N     55   N
 2    N    11   N     20   N     29   N     38   N     47   N     56   N
 3    N    12   N     21   N     30   N     39   N     48   N     57   N
 4    N    13   N     22   N     31   N     40   N     49   N     58   N
 5    N    14   N     23   N     32   N     41   N     50   N     59   N
 6    N    15   N     24   N     33   N     42   N     51   N     60   N
 7    N    16   N     25   N     34   N     43   N     52   N     61   N
 8    N    17   N     26   N     35   N     44   N     53   N     62   N
 9    N    18   N     27   N     36   N     45   N     54   N     63   N
```

Figure 2 SAMPLE ACVTLPA FORM   5E12 AND LATER SOFTWARE RELEASES

SEC. 10D: 5967-4a/4b RECORD
ISDN ATTENDANT CONTROL OF VOICE TERMINALS
MLHG PARAMETERS FORM - ACVTMPA

1. GENERAL

The 5967-4a/4b record is applicable to 5E4(2) and later Software Releases. The ACVTMPA form associates a Multi-Line Hunt Group line with an ACVT (Attendant Control of Voice Terminals) feature and an ACVT group. The ACVTMPA form is used, when assigning ACVT feature parameters to Multi-Line Hunt lines, if the default parameters of the ACVTFD form (5967-1 Record) are inappropriate or unspecified.

1.1 Recent Change View

For 5E6 and earlier, the corresponding Recent Change View for this form is 3.46; for 5E7 and later, the Recent Change View is 1.46.

2. FORM AND RECORD ENTRIES

2.1 BASE AND CONTROL, ESS UNIT

Enter the Base and Control Number and office name on each record.

2.2 * MLHG

Description: Enter a valid Multi-Line Hunt Group number.

Required Field.
Valid Entries: For 5E14 and earlier: 1 - 2000

For 5E15 and later: 1 - 8191

2.3 * TERM NBR

Description: Enter a valid Multi-Line Hunt Group Terminal Number.

Required Field.
Valid Entries:
    1 - 2015, for normal terminals
    3001 - 3999, for out dial terminals only

Data Rules:

When TERM NBR is set to 3001 - 3999, RESTRICT must not be "TRM2TRM", "ALL", "INCOMING", or "INOUT".

2.4 * FEATURE

Description: Enter the name of the ACVT feature for which the parameters are to be assigned.

Required Field.
Valid Entries: 1 - 8 characters

Data Rules:

This feature name must be defined on the ACVTFD form.

2.5 ACVT GRP

Description: Enter a name of the ACVT group that this Multi-Line Hunt Group line number is to belong to.
Valid Entries: 1 - 8 characters

Data Rules:

This ACVT group name must be defined on the ACVTGP form and the ACVTFD form.

2.6 ISAT GRP

Description: Enter a valid ISDN Attendant MLHG number.
Valid Entries:
    For 5E14 and earlier: Blank or 1 - 2000
    For 5E15 and later: Blank or 1 - 8191

Data Rules:

If ISAT GRP is entered, ACVT GRP must be blank.

The ISAT GRP entered here must also be defined on an MLHG Form with a HUNT TYPE of "ISAT" on a corresponding MLHGFD Form.

2.7 RESTRICT

Description: Enter a valid type of restriction for Attendant Control of Voice Terminals.
Default: NONE
Valid Entries:

Valid RESTRICT Entries	
Entry	**Definition**
NONE	No attendant control of voice terminal restriction.
OUTGOING	Denies direct dialed calls to the public and private networks. Calls to the attendant, incoming calls and calls to other terminals within the same group are not affected by this restriction.
TRM2TRM	Denies incoming calls from other terminals in the same terminal group. Calls from the attendant and calls from outside the terminal group are allowed. Origination of calls is not affected.
T2OUT	A combination of OUTGOING and TRM2TRM. The terminal can call the attendant or other stations within the terminal group. The terminal can receive calls from the attendant or from other terminals that are outside the terminal group.
ALL	Denies all service to an extension number. All incoming and outgoing calls are blocked. In addition the user is not allowed to dial access codes associated with a feature (e.g. activate call forwarding).
INCOMING	Denies all incoming calls from outside or within the terminal group to provide a form of "do-not-disturb" service.
INOUT	A combination of OUTGOING and INCOMING restrictions. All incoming calls are blocked. The user can call the attendant or other terminals within the terminal group.
ODCTNRES	Software Release: 5E8 and later. Originating Direct Connect, unrestricted terminations.

ERROR TREATMENT

The following fields (Section 2.8 - Section 2.10) define the error treatment assigned with the feature to

terminals.

2.8 ERROR TYPE

Description: Enter a valid error treatment type.
Default: TONE
Valid Entries:

| **Valid ERROR TYPE Entries** | |
Entry	Definition
TONE	Tone
ANNC	Announcement
RERTE	Reroute to another TN

Data Rules:

When ERROR TYPE is "TONE", ROUTE INDEX and ERROR TN must be blank. When ERROR TYPE is "ANNC", ROUTE INDEX must be entered. When ERROR TYPE is "RERTE", ERROR TN must be entered.

2.9 ROUTE INDEX

Description: Enter a valid route index for routing restricted calls.
Valid Entries:
      For 5E10 and earlier: 1 - 3617
      For 5E11 and 5E12: 1 - 4095

      For 5E13 and later: 1 - 16382

Data Rules:

If this field is entered, ERROR TN must be blank.

The ROUTE INDEX entered here must also be defined on RTIDX Form.

2.10 ERROR TN

Description: Enter a valid Telephone Number for routing restricted calls.
Valid Entries: 7 or 10 digits

Data Rules:

This field is only entered when ERROR TYPE is set to "RERTE". If ERROR TN is entered, ROUTE INDEX must be blank.

2.11 ATTENDANT CONTROLLED RESTRICTION GROUPS

Description: The Attendant Controlled Restriction Groups list consists of a list of up to 63 ACVT restriction groups and indicates whether or not this ISDN attendant can control this ACVT group number.
Default: N
Valid Entries: Y, N

Data Rules:

If any of the 63 restrictive groups is "Y", the FEATURE on the ACVTMPA form must be on an ACVTFD form

with CONTROL set to "ORIG".

When any of the 63 restrictive groups is "Y", the following conditions are required:

ISAT GRP must be blank

ERROR TN must be blank

 ROUTE INDEX must be blank

ACVT GRP must be blank

 RESTRICT must be "NONE"

ERROR TYPE must be "TONE".

```
SCREEN 1 of 2                        5ESS Switch
acvtmpa                        OFFICE DATA ADMINISTRATION
(5967-4)  ISDN ATTENDANT CONTROL OF VOICE TERMINALS MLHG PARAMETERS

*1. MLHG        0025
*2. TERM NBR    0005
*3. FEATURE     CONTROL2
 4. ACVT GRP    GROUP7
    ISAT GRP
 6. RESTRICT    NONE

ERROR TREATMENT:

 7. ERROR TYPE  RERTE
 8. ROUTE INDEX ____
 9. ERROR TN    5559999
```

```
SCREEN 2 of 2                        5ESS Switch         _
acvtmpa                        OFFICE DATA ADMINISTRATION
(5967-4)  ISDN ATTENDANT CONTROL OF VOICE TERMINALS MLHG PARAMETERS

          10. ATTENDANT CONTROLLED RESTRICTION GROUPS


        1. N    10. N   19. N   28. N   37. N   46. N   55. N
        2. N    11. N   20. N   29. N   38. N   47. N   56. N
        3. N    12. N   21. N   30. N   39. N   48. N   57. N
        4. N    13. N   22. N   31. N   40. N   49. N   58. N
        5. N    14. N   23. N   32. N   41. N   50. N   59. N
        6. N    15. N   24. N   33. N   42. N   51. N   60. N
        7. N    16. N   25. N   34. N   43. N   52. N   61. N
        8. N    17. N   26. N   35. N   44. N   53. N   62. N
        9. N    18. N   27. N   36. N   45. N   54. N   63. N
```

Figure 1 SAMPLE ACVTMPA FORM   5E4(2) AND LATER SOFTWARE RELEASES

SEC. 11: ISDN ATTENDANT CONTROL OF FACILITIES FEATURES

SEC. 11A: 5968 RECORD
ISDN ATTENDANT CONTROL OF FACILITIES FEATURE ATTRIBUTES FORM - ACOFRF

1. GENERAL

The 5968 Record is available with the 5E4(2), and later Software Releases. It is used to assign the Controling Line for an Attendent Control of Facility Restriction.

For each Feature Button on the CFGGRP form (5964 Record) where ACTION is "IACOF", it is necessary to have a corresponding ACOFRF form. Use the CONFIG GRP, COMPONENT and BUTTON values from the CFGGRP form to build the key field values for this ACOFRF form. It is necessary to define the Equipment Number, Party value and the Alternate Code Treatment Set Number for the line which will control the ACOF Restriction.

1.1 Recent Change View

The corresponding Recent Change View for this form is 12.6.

2. FORM AND RECORD ENTRIES

2.1 BASE AND CONTROL, ESS UNIT

Enter the Base and Control Number and Office Name on each record.

2.2 * CONFIG GRP

Description: Enter the name of the Configuration Group.

Required Field.
Valid Entries: 1 - 8 characters

Data Rules:

This Configuration Group Name must exist on a CFGGRP form where this "IACOF" feature button has been defined.

2.3 * CPE COMPONENT

Description: Enter the Terminal Configuration Component number where this "IACOF" feature button has been defined.

Required Field.
Valid Entries: 0 - 7

2.4 * BUTTON

Description: Enter the Feature Button value for this "IACOF" feature button.

Required Field.
Valid Entries: 1 to 254.

2.5 # OE TYPE

Description: Enter the Office Equipment Type for the line that controls this ACOF restriction.

Required Field.

Valid OE TYPE Entries	
Entry	**Definition**
L	Telephone Number is associated with an analog-type Line
	Equipment Number and NUMBER field must contain an 8- or 10-digit LEN. For 5E9(2) and
	later the Equipment Number must contain an 10 or 11-digit LEN.
C	Telephone Number is associated with ISLU Line Card Equipment
	Number and NUMBER field must contain an 8-digit equipment number.
E	

2.6 # NUMBER

Description: Enter the OE Number. This Office Equipment Number must be assigned on a LINE (5109-1 Record), MLHLN (5111-1 Record), DSL (5900-1 Record) or DSMLHLN (5901-1 Record) form.

Required Field.

If OE TYPE is "L", this Line Unit Equipment Number consists of:

OE NUMBER, TYPE L			
Equipment		**Format**	**Valid Entries**
Switching Module	SM	XXX	1 - 192
Line Unit	LU	X	0 - 7
		XXX	000 - 042
			(5E9(2) and later)
Concentrator	CONC	X	0 - 9
Switch Group	SWG	X	0 - 1
Switch	SW	X	0 - 7
Level	LEV	X	0 - 3

If OE TYPE is "C", this ISLU Line Card Equipment Number consists of:

OE NUMBER, TYPE C			
Equipment		**Format**	**Valid Entries**
Switching Module	SM	XXX	1 - 192
Line Unit	LU	X	0 - 7
Line Group Controller	LGC	XX	00 - 15
Line Card	LC	XX	00 - 31

If OE TYPE is "E", this AIU Equipment Number consists of:

OE NUMBER, TYPE E - 5E11 and later			
Equipment		**Format**	**Valid Entries**
Switching Module	SM	XXX	1 - 192
Unit Number	AIU	XXX	000 - 042
Pack	PACK	XX	00 - 19
Circuit	CKT	XX	00 - 31
			Coin
			00-15

Data Rules:

The Equipment Number entered here must have an ID Feature with an IDP Group assigned.

2.7 # PTY

Description: Enter the Party Identifier.

Required Field.

Valid PTY Entries	
Entry	**Definition**
I	Individual
T	Tip
R	Ring
1 - 9, 0	MFR Multi-party

☞   ***NOTE:*** Standard 4 and 8 Multiparty Service are not applicable here.

Data Rules:

The PTY value entered here must correspond with the Party value on the LINE or MLHLN form for the above Office Equipment Number. If the Office Equipment Number is a LCEN defined on the DSL or DSMLHLN form, then the PTY value must be "I".

2.8 # ACT SET

Description: Enter the Alternate Code Treatment Set number.

Required Field.
Valid Entries: 1 - 32

Data Rules:

The value entered here must be entered on the CFGGRP form in the PARAM field.

▲   **WARNING:** Non-BFG Case - Changing the IDP of a port may affect the usage of the ACOF (Attendant Control of Facilities) feature by an ISDN Attendant terminal which uses this port as an ACOF control port.

BFG Case - Changing the IDP group ID of a BFG may affect the usage of the ACOF (Attendant Control of Facilities) feature by an ISDN Attendant terminal which uses a port within the BFG group as an ACOF control port.

```
acofrf                          5ESS Switch              _
                          OFFICE DATA ADMINISTRATION
(5968)        ISDN ATTENDANT CONTROL OF FACILITIES FEATURE ATTRIBUTES


*1. CONFIG GRP      _____
*2. CPE COMPONENT _
*3. BUTTON         ____
#4. OE             _ _____
#7. PTY            _
#8. ACTSET         __
```

Figure 1 SAMPLE ACOFRF FORM   5E5 AND LATER SOFTWARE RELEASES

SEC. 12: ISDN ATTENDANT PFA DIAL CODE ASSIGNMENT

SEC. 12A: 5969 RECORD
ISDN ATTENDANT PFA DIAL CODE
ASSIGNMENT FORM - IPFDCA

1. GENERAL

The 5969 Record is available with 5E4(2) and later Software Releases. It is used to define the Trunk Group or Simulated Facility Group for a specific PFA dialed code associated with an ISDN Attendant Configuration Group.

For PFA Dial Codes that are associated with a Feature Button, a CFGGRP form (5964 Record) will have an ACTION of "IDTGS" and the PARAM value will be the PFA Dial Code entered in the DIAL CODE field on an IPFDCA form. The value of COMPONENT and BUTTON on this IPFDCA form must match the corresponding CFGGRP form. The IPFDCA form will be keyed by this CONFIG GRP and DIAL CODE.

For PFA Dial Codes that are not associated with a Feature Button on a CFGGRP form, the CONFIG GRP for the ISDN Attendant Group must be entered and the PFA Dial Code must be entered as DIAL CODE; a COMPONENT and BUTTON number must not be entered.

Each CONFIG GRP defined on this form may have a maximum of 16 IPFDCA forms entered with a button assigned.

The combination of CONFIG GRP, PFTYPE and GRPNUM fields entered on this form must be unique.

1.1 Recent Change View

The corresponding Recent Change view for this form is 12.7.

2. FORM AND RECORD ENTRIES

2.1 BASE AND CONTROL, ESS UNIT

Enter the Base and Control Number and Office Name on each record.

2.2 * CONFIG GRP

Description: Enter the ISDN Attendant Configuration Group name.

Required Field.
Valid Entries: 1 - 8 characters

Data Rules:

This configuration name must exist on one or more CFGGRP forms.

2.3 * DIAL CODE

Description: Enter a PFA Dial Code, which is a maximum of 5 characters from the following set of characters: 0 - 9, #, *, O, F, I, P.

> **NOTE:** The Dial Code may be 5 characters in length only if not associated with a Feature Button.

> Required Field.

Valid Entries: 1 - 5 characters

2.4 # PFTYPE

Description: Enter the Private Facility Type.

Required Field.

Valid PFTYPE Entries	
Entry	**Definition**
PHYS	Trunk Group.
SFG	Simulated Facility Group.

2.5 # GRPNUM

Description: Enter the Private Facility Group Number.

Required Field.
Valid Entries:
    For 5E10 and earlier: 1 - 2000
    For 5E11 and later: 1 - 4000 for trunk group
    number, or 1 - 2000 for SFG number.

Data Rules:

For 5E11 and later, when PFTYPE is "SFG", GRPNUM must be 1 - 2000.

If PFTYPE is "PHYS", this value of GRPNUM must be a TGN defined on a TKGRP form (5202 Record). If PFTYPE is "SFG" this value of GRPNUM must be an SFG NBR defined on a PFASFG form (5609-3 Record) with the associated SFG TYPE not equal to "ICR".

The combination of PFTYPE and GRPNUM must be unique if the associated TKGRP form or PFASFG form has the BW LAMP field equal to "Y".

2.6 COMPONENT

Description: If the Dial Code is defined on a Feature Button, enter the COMPONENT number for which the Feature Button appears.

If the Dial Code is not associated with a Feature Button (DIAL CODE field is 5 characters long), leave this field blank.
Valid Entries: 0 - 7

2.7 BUTTON

Description: If the Dial Code is defined on a Feature Button, enter the BUTTON number for which the Feature Button appears.

If the Dial Code is not associated with a Feature Button (DIAL CODE field is 5 characters long), leave this field blank.
Valid Entries: 1 - 254

GROUP FEATURES (VERIFY ONLY)

The following fields (Section 2.8 - Section 2.11) are used in Recent Change as verify-only fields. These fields can be defined on the PFASFG form and TKGRP form.

2.8 MK BUSY

Description: This field is used in Recent Change as a verify-only field to indicate if SCCOF (Selective Customer Control of Facilities) is on. This allows the attendant to deny access to a privately owned trunk group or simulated facility group.

2.9 BW LAMP

Description: This field is used in Recent Change as a verify-only field to indicate if busy warning lamp(s) are provided on the attendant's console.

2.10 ISAT MLHG

Description: This field is used in Recent Change as a verify-only field to indicate the ISDN Attendant MLHG that can busy monitor the trunk group or simulated facility group.

2.11 WARN THRSH

Description: This field is used in Recent Change as a verify-only field to indicate the threshold of members in this group that must be busy at any given time before the group busy warning lamp(s) light at the attendant's console.

```
ipfdca                          5ESS Switch              _
(5969)                     OFFICE DATA ADMINISTRATION
                      ISDN ATTENDANT PFA DIAL CODE ASSIGNMENT


*1. CONFIG GRP _____       GROUP FEATURES (VERIFY ONLY)
*2. DIAL CODE  _____          ----------------------------
#3. PFTYPE     _____             7. MK BUSY
#4. GRPNUM     _____             8. BW LAMP
 5. COMPONENT  _                 9. ISAT MLHG
 6. BUTTON     ____             10. WARN THRESH
```

Figure 1 SAMPLE IPFDCA FORM   5E5 AND LATER SOFTWARE RELEASES

SEC. 13: LASS AUTOMATIC CALLBACK FORMS

Page 1

SEC. 13A: 5970-1 RECORD
LASS AUTOMATIC CALLBACK FEATURE DEFINITION - LSACFD

1. GENERAL

The 5970-1 Record is available with 5E5 and later Software Releases. AC (Automatic Callback) allows the subscriber to automatically call back the last calling party. If the party called back by AC is busy, the network will automatically camp on it. This feature is available between parties served by the same office and between parties served by different offices in the same LATA (Local Access Transport Area) provided there is CCS7 (Common Channel Signaling - Version 7) connectivity between the offices. This feature applies to voice calls only.

Only one AC feature name is allowed on a LINEFA form (5112 Record), MLHLNFA form (5113 Record), BFG form (5625-1 Record) or CLUSTR form (5600 Record).

Certain AC features are predefined and automatically provided in the ODA (Office Database Adminstrator) database at the time of office registration. These are called preconstructed features. Preconstructed feature names all start with a slash (/), and the slash may not be used as the first character of any feature name other than preconstructed features. A list of preconstructed AC features is contained in Figure Figure 1 .

If the TNs on a LINE form or the CKT TNs on a DSLUSR form are assigned an AC Feature on a LINEFA form, BFG form, or an associated CLUSTR form, then the TN or CKT TN must be defined on the LINE form or DSLUSR form with a CLASS OF SERVICE of "INDIV", "ISDN", "ISATND", "ATND", "4WINDIV" or "PBX" on an LCC form with an associated LCC/RAX value.

If the MLHG/TERMs on an MLHLN form or the CKT MLHG/TERMs on a DSLUSR form are assigned an AC Feature on an MLHNFA form, BFG form, or an associated CLUSTR form, then the MLHG/TERM or CKT MLHG/TERM must be defined on the MLHLN form or DSLUSR form with a CLASS OF SERVICE of "INDIV", "ISDN", "ISATND", "ATND", "4WINDIV" or "PBX" on an LCC form with an associated LCC/RAX value.

For more information on LASS features, refer to Division 2, Section 1Y.

1.1 Recent Change View

The corresponding Recent Change View for this form is 12.47.

2. FORM AND RECORD ENTRIES

2.1 BASE AND CONTROL, ESS UNIT

Enter the Base and Control Number and Office Name on each record.

2.2 * FEATURE

Description: Enter the AC Feature name. There are no restrictions on the valid characters except that feature names starting with a slash (/) are reserved for preconstructed features. Preconstructed features may be reviewed in the ODA database but may not be deleted, changed or inserted.

Required Field.
Valid Entries: 1 - 8 characters

2.3 REMARKS

Description: Enter a descriptive comment.
Valid Entries: 1 - 32 characters

FEATURE OPTIONS

The following fields (Section 2.4 - Section 2.7) define the feature options.

2.4 AMA REC

Description: Will billing be performed on a usage-sensitive basis with AMA (Automatic Message Accounting) records being created?

If this field is "Y", billing will be usage sensitive and an AMA record will be created. If this field is "N", billing will be done on a flat-rate basis with no AMA record created.

If the AC feature is generally available, billing can be done on a flat rate or usage-sensitive basis according to how the subscribing user prefers to be billed.

Required Field.
Default: N
Valid Entries: Y, N

2.5 INTRA GRP

Description: Is this feature restricted to intra-terminal groups?

Required Field.
Default: N
Valid Entries: Y, N

Data Rules:

If this field is equal to "Y", the lines that are assigned this feature must have a Terminal Group Station Restriction feature assigned to them.

2.6 ACT TYPE

Description: Can the AC feature be activated by the customer? The default and only valid entry is "AUTO".
Default: AUTO
Valid Entries:

Valid ACT TYPE Entries	
Entry	**Definition**
AUTO	The AC feature is always active. The customer is not permitted to activate this feature.

2.7 DEACT TYPE

Description: Can the AC feature be deactivated by the customer for a single call? The default and only valid entry is "NONE".
Default: NONE
Valid Entries:

Valid DEACT TYPE Entries	
Entry	**Definition**
NONE	The customer is not permitted to deactivate the AC feature for one call.

DEFAULT PARAMETERS

The following field defines the default parameters.

2.8 RNGBK TYPE

Description: This field indicates the AC ringback type.

Required Field.
Default: C
Valid Entries:

Valid RNGBK TYPE Entries	
Entry	**Definition**
A	Repeated pattern of 2 seconds on and 4 seconds off (normal ringing pattern).
B	Repeated pattern of 0.8 seconds on, 0.4 seconds off, 0.8 seconds on followed by 4 seconds off.
C	Repeated pattern of 0.4 seconds on, 0.2 seconds off, 0.4 seconds on, 0.2 seconds off, 0.8 seconds on and 4 seconds off.
D	Repeated pattern of 1 second on, 1 second off, 1 second on and 3 seconds off (also known as code 2 ringing).

ESS 5970-1(01)TG-5   LASS AUTOMATIC CALLBACK FEATURE   DATE _____
                                          DEFINTION RECORD
LSACFD   5ESS SWITCH
12.47
BASE_____CONT GR____   5ESS UNIT _____   PAGE_____

FEATURE NAME	AMA REC	INTR A G RP	ACT TYPE	DEACT TYPE	RNGBK TYPE	REMARKS
LSAC	N	N	AUTO	NONE	A	

Figure 1 PRECONSTRUCTED LASS AC FEATURES

```
lsacfd                              5ESS Switch            _
5970-1                         OFFICE DATA ADMINISTRATION
                     LASS AUTOMATIC CALLBACK FEATURE DEFINITION


*2. FEATURE    AC1            3. REMARKS    _____

============================ FEATURE OPTIONS ================================

 4. AMA REC    Y              6. ACT TYPE   AUTO
 5. INTRA GRP  Y              7. DEACT TYPE NONE

============================ DEFAULT PARAMETERS =============================

 8. RNGBK TYPE C
```

Figure 2 SAMPLE LSACFD FORM   5E5 AND LATER SOFTWARE RELEASES

SEC. 13B: 5970-2 RECORD
LASS AUTOMATIC CALLBACK
TN PARAMETERS FORM - LSACLPA

1. GENERAL

The 5970-2 Record is available in 5E5 and later Software Releases. The LSACLPA form associates a Telephone Number with an AC (Automatic Callback) feature. This form is used when assigning AC features to non-Multi-Line Hunt lines when the default parameters of the LSACFD form (5970-1 Record) are inappropriate or unspecified.

1.1 Recent Change View

The corresponding Recent Change View for this form is 1.47.

2. FORM AND RECORD ENTRIES

2.1 BASE AND CONTROL, ESS UNIT

Enter the Base and Control Number and Office Name on each record.

2.2 * TN

Description: Enter the Telephone Number for the AC user.

Required Field.
Valid Entries:
      For 5E11 and earlier: 7 digits
      For 5E12 and later: XXXXXXX or NXXXXXXXXX where N is 2 - 9 and
      X is 0 - 9

Data Rules:

For 5E12 and later, TN/FEATURE combinations on different LSACLPA forms cannot be duplicated.

For 5E12 and later, if the first 3 digits of the 7-digit TNs on the LSACLPA form are equivalent to an OFFICE CODE on the NOC form, and there is more than one NOC form with the same value for OFFICE CODE, or the NOC form does not exist, the 7-digit TN(s) must be a 10-digit TN with the NPA/OFFICE CODE defined on the NOC form.

2.3 * FEATURE

Description: Enter the name of the AC feature for which the parameters are to be assigned.

Required Field.
Valid Entries: 1 - 8 characters

Data Rules:

This feature name must be defined on the LSACFD form.

2.4 RNGBK TYPE

Description: This field indicates the AC ringback type.

Required Field.
Default: C
Valid Entries:

	Valid RNGBK TYPE Entries
Entry	Definition
A	Repeated pattern of 2 seconds on and 4 seconds off (normal ringing pattern).
B	Repeated pattern of 0.8 seconds on, 0.4 seconds off, 0.8 seconds on followed by 4 seconds off.
C	Repeated pattern of 0.4 seconds on, 0.2 seconds off, 0.4 seconds on, 0.2 seconds off, 0.8 seconds on and 4 seconds off.
D	Repeated pattern of 1 second on, 1 second off, 1 second on and 3 seconds off (also known as code 2 ringing).

```
lsaclpa                          5ESS Switch              _
5970-2                    OFFICE DATA ADMINISTRATION
            LASS AUTOMATIC CALLBACK TELEPHONE NUMBER PARAMETERS


*1. TN        3994000
*2. FEATURE   AC1
 3. RNGBK TYPE D
```

Figure 1 SAMPLE LSACLPA FORM   5E11 AND EARLIER SOFTWARE RELEASES

```
lsaclpa                          5ESS Switch              _
                          OFFICE DATA ADMINISTRATION
(5970-2)      LASS AUTOMATIC CALLBACK TELEPHONE NUMBER PARAMETERS


*1. TN           _____
*2. FEATURE      _____
 3. RNGBK TYPE C
```

Figure 2 SAMPLE LSACLPA FORM   5E12 AND LATER SOFTWARE RELEASES

SEC. 13C: 5970-3 RECORD
LASS AUTOMATIC CALLBACK MLHG PARAMETERS FORM - LSACMPA

1. GENERAL

The 5970-3 Record is available in 5E5 and later Software Releases. The LSACMPA form assigns an AC (Automatic Callback) feature to a Multi-Line Hunt Group line. It is used when assigning AC features to Multi-Line Hunt lines when the default parameters of the LSACFD form (5970-1 Record) are inappropriate or unspecified.

1.1 Recent Change View

The corresponding Recent Change View for this form is 3.47.

2. FORM AND RECORD ENTRIES

2.1 BASE AND CONTROL, ESS UNIT

Enter the Base and Control Number and Office Name on each record.

2.2 * MLHG

Description: Enter the Multi-Line Hunt Group Number of the line.

Required Field.
Valid Entries:
     For 5E14 and earlier: 1 - 2000
     For 5E15 and later: 1 - 8191

2.3 * TERM NBR

Description: Enter the Multi-Line Hunt Group Member Number.

Required Field.
Valid Entries: 1 - 2015 and 3001 - 3999 (Outdial Terminals Only)

2.4 * FEATURE

Description: Enter the AC Feature name. There are no restrictions on the valid characters except that feature names starting with a slash (/) are reserved for preconstructed features.
Valid Entries: 1 - 8 characters

Data Rules:

This feature name must be defined on the LSACFD form.

2.5 RNGBK TYPE

Description: This field indicates the AC ringback type.

Required Field.
Default: C

Valid Entries:

<table>
<tr><th colspan="2">Valid RNGBK TYPE Entries</th></tr>
<tr><th>Entry</th><th>Definition</th></tr>
<tr><td>A</td><td>Repeated pattern of 2 seconds on and 4 seconds off(normal ringing pattern).</td></tr>
<tr><td>B</td><td>Repeated pattern of 0.8 seconds on, 0.4 seconds off,</td></tr>
<tr><td>C</td><td>Repeated pattern of 0.4 seconds on, 0.2 seconds off,</td></tr>
<tr><td>D</td><td>Repeated pattern of 1 second on, 1 second off,</td></tr>
</table>

```
lsacmpa                        5ESS Switch            _
5970-3                    OFFICE DATA ADMINISTRATION
           LASS AUTOMATIC CALLBACK MULTILINE HUNT GROUP PARAMETERS


*1. MLHG       0010
*2. TERM NBR   2000
*3. FEATURE    AC1


  4. RNGBK TYPE C
```

Figure 1 SAMPLE LSACMPA FORM   5E5 AND LATER SOFTWARE RELEASES

SEC. 14: LASS AUTOMATIC RECALL FORMS

SEC. 14A: 5971-1 RECORD
LASS AUTOMATIC RECALL FEATURE DEFINITION - LSARFD

1. GENERAL

The 5971-1 Record is available with 5E5 and later Software Releases. The AR (Automatic Recall) feature allows the subscriber to automatically call back the last called party. If the recalled party is busy, the network will automatically camp on to it. This feature is available between parties served by the same central office and also between parties served by different offices in the same LATA (Local Access Transport Area) provided there is CCS7 connectivity between the switches. For 5E7 and earlier, this feature applies to voice calls only.

Only one AR feature name is allowed on a LINEFA form, MLHLNFA form, BFG form or CLUSTR form.

1.1 Preconstructed AR Features

Certain AR features are predefined and automatically provided in the ODA database at the time of office registration. These are called preconstructed features. Preconstructed feature names all start with a slash (/); the slash may not be used as the first character of any feature name other than preconstructed features. The preconstructed AR features are listed beginning in Figure 1.

1.2 Class of Service

If the TNs on a LINE form or the CKT TNs on a DSLUSR form are assigned an AR Feature on a LINEFA form, BFG form, or an associated CLUSTR form, then the TN or CKT TN must be defined on the LINE form or DSLUSR form with a CLASS OF SERVICE of "INDIV", "ISDN", "ISATND", "ATND", "4WINDIV" or "PBX" on an LCC form with an associated LCC/RAX value.

If the MLHG/TERMs on an MLHLN form or the CKT MLHG/TERMs on a DSLUSR form are assigned to an AR Feature on an MLHNFA form, BFG form, or an associated CLUSTR form, then the MLHG/TERM or CKT MLHG/TERM must be defined on the MLHLN form or DSLUSR form with a CLASS OF SERVICE of "INDIV", "ISDN", "ISATND", "ATND", "4WINDIV", or "PBX" on an LCC form with an associated LCC/RAX value.

1.3 LASS Feature Information

For more information on LASS features, refer to Division 2, Section 1Y.

1.4 Recent Change View

The corresponding Recent Change View for this form is 12.48.

2. FORM AND RECORD ENTRIES

2.1 BASE AND CONTROL, ESS UNIT

Enter the Base and Control Number and Office Name on each record.

2.2 * FEATURE

Description: Enter the AR feature name. A feature name cannot start with a slash (/), which is reserved for preconstructed feature names. Preconstructed features may be reviewed in the ODA database but may not be deleted, changed, or inserted.

Required Field.
Valid Entries: 1 - 8 characters

2.3 REMARKS

Description: Enter a descriptive comment.
Valid Entries: 1 - 32 characters

FEATURE OPTIONS

Section 2.4 - Section 2.9 define the feature options.

2.4 AMA REC

Description: Should the billing be done on a usage sensitive basis? If the AR feature is generally available, the billing can be done on either a usage sensitive or flat rate basis. If "Y" is entered in this field, billing will be usage sensitive and an AMA record will be created; if "N" is entered, billing will be a flat rate and no AMA record will be created.

Required Field.
Default: N
Valid Entries: Y, N

2.5 INTRA GRP

Description: Is this feature restricted to intra-terminal groups only?

Required Field.
Default: N
Valid Entries: Y, N

Data Rules:

If INTRA GRP is "Y", all lines that are assigned this AR feature must also be assigned a TGSR (Terminal Group Station Restriction) feature that is defined on the TGSRFD form (5607-1/2 Record).

2.6 CSV ALW

Description: Will LASS Automatic Recall be allowed for voice service on lines using this feature?

The feature may be assigned on a generally available or subscription basis.

Software Release: 5E8 and later
Required Field.
Default: Y
Valid Entries: Y, N

Data Rules:

If CSV ALW is "N", CSD ALW must be "Y".

2.7 CSD ALW

Description: Will LASS Automatic Recall be allowed for circuit switched data service on lines using this feature?

The feature may be assigned on a generally available or subscription basis.

Software Release: 5E8 and later
Required Field.
Default: Y
Valid Entries: Y, N

Data Rules:

If CSD ALW is "N", CSV ALW must be "Y".

When CSD ALW is "Y", DSL CLS must be "STD" on the DSL form associated with the DSLUSR line assigned the feature.

2.8 ACT TYPE

Description: This field indicates whether or not the AR feature can be activated by the customer. The default and only value is "AUTO"; the feature is always active and cannot be activated by the subscriber.
Default: AUTO
Valid Entries: AUTO

2.9 DEACT TYPE

Description: This field indicates if the AR feature can be deactivated by the customer for a single call. The default and only value is "NONE"; the subscriber is not permitted to deactivate the feature.
Default: NONE
Valid Entries: NONE

DEFAULT PARAMETERS

The following field (Section 2.10) defines the default parameter assigned with the feature to a line. This parameter will be assigned to the line unless it is overridden by an entry on the LSARLPA (5971-2 Record) or LSARMPA (5971-3 Record) form.

2.10 RNGBK TYPE

Description: This field indicates the AR ringback type.

Required Field.
Default: C
Valid Entries:

Valid RNGBK TYPE Entries	
Entry	**Definition**
A	Repeated pattern of 2 seconds on and 4 seconds off (normal ringing pattern).
B	Repeated pattern of 0.8 seconds on, 0.4 seconds off, 0.8 seconds on followed by 4 seconds off.
C	Repeated pattern of 0.4 seconds on, 0.2 seconds off, 0.4 seconds on, 0.2 seconds off, 0.8 seconds on and 4 seconds off.
D	Repeated pattern of 1 second on, 1 second off, 1 second on and 3 seconds off (also known as code 2 ringing).

ESS 5971-1(5E5)TG-5   LASS AUTOMATIC RECALL FEATURE   DATE _____
                                              DEFINTION RECORD
LSARFD   5ESS SWITCH
12.48
BASE_____CONT GR____   5ESS UNIT _____   PAGE_____

FEATURE NAME	AMA REC	INTRA G RP	ACT TYPE	DEACT TYPE	RNGBK TYPE	REMARKS
/LAR*	N	N	AUTO	NONE	C	WILD CARD
/LAR1	N	N	AUTO	NONE	C	SUBSCRIPTION
/LARGA	Y	N	AUTO	NONE	C	GENERALLY AVAILABLE

Figure 1 PRECONSTRUCTED AR FEATURES   5E5 - 5E7 SOFTWARE RELEASES

ESS 5971-1(8/92)TG-5   LASS AUTOMATIC RECALL FEATURE   DATE _____
                                              DEFINTION RECORD
LSARFD   5ESS SWITCH
12.48
BASE_____CONT GR____   5ESS UNIT _____   PAGE_____

FEATURE NAME	AMA REC	INTRA G RP	CS V A L W	CS D A L W	ACT TYPE	DEACT TYPE	RNGBK TYPE	REMARKS
/LAR*	N	N	Y	N	AUTO	NONE	C	WILD CARD
/LAR1	N	N	Y	N	AUTO	NONE	C	SUBSCRIPTION
/LAR1D	N	N	N	Y	AUTO	NONE	C	SUBSCRIPTION (DATA ONLY)
/LAR1VD	N	N	Y	Y	AUTO	NONE	C	SUBSCRIPTION (VOICE/DATA)
/LARGA	Y	N	Y	N	AUTO	NONE	C	GENERALLY AVAILABLE
/LARGAD	Y	N	N	Y	AUTO	NONE	C	GENERALLY AVAILABLE (DATA ONLY)
/LARGAVD	Y	N	Y	Y	AUTO	NONE	C	GENERALLY AVAILABLE (VOICE/DATA)

Figure 2 PRECONSTRUCTED AR FEATURES   5E8 AND LATER SOFTWARE RELEASES

```
lsarfd                         5ESS Switch                  _
5971-1                   OFFICE DATA ADMINISTRATION
               LASS AUTOMATIC RECALL FEATURE DEFINITION

 *2. FEATURE    AR1          3. REMARKS     _____


========================== FEATURE OPTIONS ==============================

   4. AMA REC    N           6. CSV ALW Y             8. ACT TYPE   AUTO
   5. INTRA GRP  N           7. CSD ALW N             9. DEACT TYPE NONE


========================== DEFAULT PARAMETERS ===========================


 10. RNGBK TYPE C
```

Figure 3 SAMPLE LSARFD FORM   5E5 - 5E7 SOFTWARE RELEASES

SEC. 14B: 5971-2 RECORD
LASS AUTOMATIC RECALL
TN PARAMETERS FORM - LSARLPA

1. GENERAL

The 5971-2 Record is available in 5E5 and later Software Releases. The LSARLPA form associates a Telephone Number with an AR (Automatic Recall) feature. This form is used when assigning AR features to non-Multi-Line Hunt lines when the default parameters of the LSARFD form (5971-1 Record) are inappropriate or unspecified.

1.1 Recent Change View

The corresponding Recent Change View for this form is 1.48.

2. FORM AND RECORD ENTRIES

2.1 BASE AND CONTROL, ESS UNIT

Enter the Base and Control Number and Office Name on each record.

2.2 * TN

Description: Enter the Telephone Number for the AR user.

Required Field.
Valid Entries:
     For 5E11 and earlier: 7 digits
     For 5E12 and later: XXXXXXX or NXXXXXXXXX where N is 2 - 9 and X is 0 - 9

Data Rules:

For 5E12 and later, TN/FEATURE combinations on different LSARLPA forms can not be duplicated.

For 5E12 and later, if the first 3 digits of the 7-digit TNs on the LSARLPA form are equivalent to an OFFICE CODE on the NOC form, and there is more than one NOC form with the same value for OFFICE CODE, or the NOC form does not exist, the 7-digit TN(s) must be a 10-digit TN with the NPA/OFFICE CODE defined on the NOC form.

2.3 * FEATURE

Description: Enter the AR Feature name. There are no restrictions on the valid characters except that feature names starting with a slash (/) are reserved for preconstructed features.
Valid Entries: 1 - 8 characters

Data Rules:

This feature name must be defined on the LSARFD form.

2.4 RNGBK TYPE

Description: This field indicates the AR ringback type.

Required Field.
Default: C
Valid Entries:

Valid RNGBK TYPE Entries	
Entry	Definition
A	Repeated pattern of 2 seconds on and 4 seconds off (normal ringing pattern).
B	Repeated pattern of 0.8 seconds on, 0.4 seconds off, 0.8 seconds on followed by 4 seconds off.
C	Repeated pattern of 0.4 seconds on, 0.2 seconds off, 0.4 seconds on, 0.2 seconds off, 0.8 seconds on and 4 seconds off.
D	Repeated pattern of 1 second on, 1 second off, 1 second on and 3 seconds off (also known as code 2 ringing).

```
lsarlpa                      5ESS Switch           _
5971-2                   OFFICE DATA ADMINISTRATION
          LASS AUTOMATIC RECALL TELEPHONE NUMBER PARAMETERS


*1. TN        3994000
*2. FEATURE   AR1
 3. RNGBK TYPE B
```

Figure 1 SAMPLE LSARLPA FORM   5E11 AND EARLIER SOFTWARE RELEASES

```
lsarlpa                      5ESS Switch           _
                         OFFICE DATA ADMINISTRATION
(5971-2)      LASS AUTOMATIC RECALL TELEPHONE NUMBER PARAMETERS


*1. TN        _____
*2. FEATURE   _____
 3. RNGBK TYPE C
```

Figure 2 SAMPLE LSARLPA FORM   5E12 AND LATER SOFTWARE RELEASES

SEC. 14C: 5971-3 RECORD
LASS AUTOMATIC RECALL
MLHG PARAMETERS FORM - LSARMPA

1. GENERAL

The 5971-3 Record is available in 5E5 and later Software Releases. The LSARMPA form associates a Multi-Line Hunt line with an AR (Automatic Recall) feature. This form is used when assigning AR features to Multi-Line Hunt lines when the default parameters of the LSARFD form (5971-1 Record) are inappropriate or unspecified.

1.1 Recent Change View

The corresponding Recent Change View for this form is 3.48.

2. FORM AND RECORD ENTRIES

2.1 BASE AND CONTROL, ESS UNIT

Enter the Base and Control Number and Office Name on each record.

2.2 * MLHG

Description: Enter the Multi-Line Hunt Group number of the line.

Required Field.
Valid Entries:
    For 5E14 and earlier: 1 - 2000
    For 5E15 and later: 1 - 8191

2.3 * TERM NBR

Description: Enter the Multi-Line Hunt Group Member Number.

Required Field.
Valid Entries: 1 - 2015 and 3001 - 3999 (Outdial Terminals Only)

2.4 * FEATURE

Description: Enter the AR Feature name. There are no restrictions on the valid characters except that feature names starting with a slash (/) are reserved for preconstructed features.

Required Field.
Valid Entries: 1 - 8 characters

Data Rules:

This feature name must be defined on the LSARFD form.

2.5 RNGBK TYPE

Description: This field indicates the AC ringback type.

Required Field.
Default: C
Valid Entries:

	Valid RNGBK TYPE Entries
Entry	**Definition**
A	Repeated pattern of 2 seconds on and 4 seconds off(normal ringing pattern).
B	Repeated pattern of 0.8 seconds on, 0.4 seconds off,
C	Repeated pattern of 0.4 seconds on, 0.2 seconds off,
D	Repeated pattern 1 second on, 1 second off,

```
lsarmpa                        5ESS Switch              _
5971-3                   OFFICE DATA ADMINISTRATION
              LASS AUTOMATIC RECALL MULTILINE HUNT GROUP PARAMETERS

*1. MLHG       0001
*2. TERM NBR   2000
*3. FEATURE    AR1
 4. RNGBK TYPE C
```

Figure 1 SAMPLE LSARMPA FORM   5E5 AND LATER SOFTWARE RELEASES

SEC. 15: LASS CUSTOMER ORIGINATED TRACE FORMS

SEC. 15A: 5972 RECORD
LASS CUSTOMER ORIGINATED TRACE
FORM DEFINITION - LSCOTFD

1. GENERAL

The 5972 Record is available with 5E5 and later Software Releases. The COT (Customer Originated Trace) feature permits the analog and ISDN user to trace an obscene, threatening or harassing call without the intervention of Telephone Company personnel. This feature will not only be available between parties served by the same office, but also between parties served by different offices in the same LATA (Local Access Transport Area) provided there is CCS7 connectivity between the offices.

Only one COT feature name is allowed on a LINEFA form, MLHLNFA form, BFG form or a CLUSTR form.

Certain COT features are predefined and automatically provided in the ODA database at the time of office registration. These are called preconstructed features. Preconstructed feature names all start with a slash (/), and the slash may not be used as the first character of any feature name other than preconstructed features. A list of preconstructed COT features is contained in Figure 1 .

If the TNs on a LINE form or the CKT TNs on a DSLUSR form are assigned a COT Feature on a LINEFA form, BFG form, or an associated CLUSTR form, then the TN or CKT TN must be defined on the LINE form or DSLUSR form with a CLASS OF SERVICE of "INDIV", "ISDN", "ISATND", "ATND", "4WINDIV" or "PBX" on an LCC form with an associated LCC/RAX value.

If the MLHG/TERMs on an MLHLN form or the CKT MLHG/TERMs on a DSLUSR form are assigned a COT Feature on an MLHNFA form, BFG form, or an associated CLUSTR form, then the MLHG/TERM or CKT MLHG/TERM must be defined on the MLHLN form or DSLUSR form with a CLASS OF SERVICE of "INDIV", "ISDN", "ISATND", "ATND", "4WINDIV" or "PBX" on an LCC form with an associated LCC/RAX value.

If CONFIG GRP on the DSLUSR form is defined on the CFGGRP form (5964 Record) with a button assigned the COT feature, then the corresponding DSLUSR form must have DISPLAY set to "Y".

For more information on LASS features, refer to Division 2, Section 1Y.

1.1 Recent Change View

The corresponding Recent Change View for this form is 12.49.

2. FORM AND RECORD ENTRIES

2.1 BASE AND CONTROL, ESS UNIT

Enter the Base and Control Number and Office Name on each record.

2.2 * FEATURE

Description: Enter the COT Feature name. There are no restrictions on the valid characters except that feature names starting with a slash (/) are reserved for preconstructed features. Preconstructed features may be reviewed in the ODA database but may not be deleted, changed or inserted.

Required Field.
Valid Entries: 1 - 8 characters

2.3 REMARKS

Description: Enter a descriptive comment.
Valid Entries: 1 - 32 characters

FEATURE OPTIONS

The following fields (Section 2.4 - Section 2.6) define the feature options.

2.4 ACT TYPE

Description: Can the COT feature be activated by the customer? "AUTO" is the only valid entry.

Valid ACT TYPE Entries	
Entry	**Definition**
AUTO	Feature is always active. Customer is not permitted to activate the feature.

2.5 DEACT TYPE

Description: Can the COT feature be deactivated by the customer for one call? The only valid entry is "NONE".

Valid DEACT TYPE Entries	
Entry	**Definition**
NONE	Customer is not permitted deactivation.

2.6 AMA REC

Description: Will the billing be usage-sensitive and will an AMA record be created?

This field indicates the type of billing to be performed. The billing can be done on a flat rate or usage-sensitive basis according to how the subscribing user prefers to be billed or how the Telephone Company decides it will bill if the COT feature is generally available.

If AMA REC is equal to "Y", billing will be usage-sensitive and an AMA record will be created. If AMA REC is equal to "N", billing will be done on a flat rate basis with no AMA record created.

Required Field.
Default: Y
Valid Entries: Y, N

ESS 5972(01)TG-5   LASS CUSTOMER ORIGINATED TRACE FEATURE   DATE _____
                                                                DEFINTION RECORD
LSCOTFD   5ESS SWITCH
12.49
BASE_____CONT GR____   5ESS UNIT _____   PAGE_____

FEATURE NAME	ACT TYPE	DEACT TYPE	AMA REC	REMARKS
/COT*	AUTO	NONE	Y	Wild Card
/COT1	AUTO	NONE	N	Subscription
/COTGA	AUTO	NONE	Y	Generally Available

Figure 1 PRECONSTRUCTED LASS COT FEATURES

```
lscotfd                           5ESS Switch             _
5972                      OFFICE DATA ADMINISTRATION
                LASS CUSTOMER ORIGINATED TRACE FEATURE DEFINITION

*2. FEATURE    COT1        3. REMARKS _____

============================ FEATURE OPTIONS ================================

 4. ACT TYPE   AUTO        6. AMA REC Y
 5. DEACT TYPE NONE
```

Figure 2 SAMPLE LSCOTFD FORM   5E5 AND LATER SOFTWARE RELEASES

SEC. 16: LASS FEATURE ACCESS FORMS

SEC. 16A: 5973 RECORD
LASS FEATURE ACCESS - LASSFA

1. GENERAL

The 5973 Record is available with the 5E5 Software Release and defines the access modes for each of the LASS features on an SM basis. It is used only for an office retrofit in 5ODA.

1.1 Recent Change View

The corresponding Recent Change View for this form is 8.18.

2. FORM AND RECORD ENTRIES

2.1 BASE AND CONTROL, ESS UNIT

Enter the Base and Control Number and the Office Name on each record.

2.2 * SM

Description: Enter the SM number. Intitally "ALL" should be entered to initialize all SMs and the AM with the same values. This is the only way to enter values into the AM. If "ALL" is not entered, the default value of "UNAVAIL" will be retained on the AM. When "LASSDEF" is entered for the feature fields on this form, the value will default to the value in the AM.

Required Field.
Valid Entries: 1 - 192, or ALL

2.3 # AC

Description: Enter the status of the LASS AC (Automatic Callback) access.

Required Field.
Default: UNAVAIL
Valid Entries:

Valid AC Entries	
Entry	Definition
UNAVAIL	Feature is not available for use.
GENAVAIL	Feature is generally available.
LASSDEF	Feature uses the default that was initialized in the AM. If the AM has not been initialized with a value, this enumeration will default to "UNAVAIL". (See SM description.)
SUBSCR	Feature must be purchased, a service order is required for availability.
TEMPUNAVAIL	Feature is temporarily unavailable.

2.4 # AR

Description: Enter the status of the AR (Auto Recall) feature access.

Required Field.
Default: UNAVAIL
Valid Entries:

Valid AR Entries	
Entry	**Definition**
UNAVAIL	Feature is not available for use.
GENAVAIL	Feature is generally available.
LASSDEF	Feature uses the default that was initialized in the AM. If the AM has not been initialized with a value, this enumeration will default to "UNAVAIL". (See SM description.)
SUBSCR	Feature must be purchased, a service order is required for availability.
TEMPUNAVAIL	Feature is temporarily unavailable.

2.5 # COT

Description: Enter the status of COT (Customer Originated Trace) feature access.

Required Field.
Default: UNAVAIL
Valid Entries:

Valid COT Entries	
Entry	**Definition**
UNAVAIL	Feature is not available for use.
GENAVAIL	Feature is generally available.
LASSDEF	Feature uses the default that was initialized in the AM. If the AM has not been initialized with a value, this enumeration will default to "UNAVAIL". (See SM description.)
SUBSCR	Feature must be purchased, a service order is required for availability.
TEMPUNAVAIL	Feature is temporarily unavailable.

2.6 # PCP

Description: Enter the status of ICLID PCP (Per Call DN Privacy) feature access.

Required Field.
Default: UNAVAIL
Valid Entries:

Valid PCP Entries	
Entry	**Definition**
UNAVAIL	Feature is not available for use.
GENAVAIL	Feature is generally available.
LASSDEF	Feature uses the default that was initialized in the AM. If the AM has not been initialized with a value, this enumeration will default to "UNAVAIL". (See SM description.)
SUBSCR	Feature must be purchased, a service order is required for availability.
TEMPUNAVAIL	Feature is temporarily unavailable.

2.7 # SCA

Description: Enter the status of LASS SCA (Selective Call Acceptance) feature access.

Software Release: 5E6 and later
Required Field.
Default: UNAVAIL
Valid Entries:

Valid SCA Entries	
Entry	**Definition**
UNAVAIL	Feature is not available for use.
GENAVAIL	Feature is generally available.
LASSDEF	Feature uses the default that was initialized in the AM. If the AM has not been initialized with a value, this enumeration will default to "UNAVAIL". (See SM description.)
SUBSCR	Feature must be purchased, a service order is required for availability.

TEMPUNAVAIL	Feature is temporarily unavailable.

Data Rules:

For Recent Change: Before "GENAVAIL" or "SUBSCR" may be entered, all LASS office parameters on RC view 8.21 must be set.

2.8 # SCF

Description: Enter the status of LASS SCF (Selective Call Forwarding) feature access.

Software Release: 5E6 and later
Required Field.
Default: UNAVAIL
Valid Entries:

Valid SCF Entries	
Entry	**Definition**
UNAVAIL	Feature is not available for use.
GENAVAIL	Feature is generally available.
LASSDEF	Feature uses the default that was initialized in the AM. If the AM has not been initialized with a value, this enumeration will default to "UNAVAIL". (See SM description.)
SUBSCR	Feature must be purchased, a service order is required for availability.
TEMPUNAVAIL	Feature is temporarily unavailable.

Data Rules:

For Recent Change: Before "GENAVAIL" or "SUBSCR" may be entered, all LASS office parameters on RC view 8.21 must be set.

2.9 # SCR

Description: Enter the status of LASS SCR (Selective Call Rejection) feature access.

Software Release: 5E6 and later
Required Field.
Default: UNAVAIL
Valid Entries:

Valid SCR Entries	
Entry	**Definition**
UNAVAIL	Feature is not available for use.
GENAVAIL	Feature is generally available.
LASSDEF	Feature uses the default that was initialized in the AM. If the AM has not been initialized with a value, this enumeration will default to "UNAVAIL". (See SM description.)
SUBSCR	Feature must be purchased, a service order is required for availability.
TEMPUNAVAIL	Feature is temporarily unavailable.

Data Rules:

For Recent Change: Before "GENAVAIL" or "SUBSCR" may be entered, all LASS office parameters on RC view 8.21 must be set.

2.10 # SDA

Description: Enter the status of LASS SDA (Selective Distinctive Alert) feature access.

Software Release: 5E6 and later
Required Field.
Default: UNAVAIL
Valid Entries:

Valid SDA Entries	
Entry	**Definition**
UNAVAIL	Feature is not available for use.
GENAVAIL	Feature is generally available.
LASSDEF	Feature uses the default that was initialized in the AM. If the AM has not been initialized with a value, this enumeration will default to "UNAVAIL". (See SM description.)
SUBSCR	Feature must be purchased, a service order is required for availability.
TEMPUNAVAIL	Feature is temporarily unavailable.

Data Rules:

For Recent Change: Before "GENAVAIL" or "SUBSCR" may be entered, all LASS office parameters on RC view 8.21 must be set.

```
lassfa                        5ESS Switch          _
                        OFFICE DATA ADMINISTRATION
                          LASS FEATURE ACCESS


*1. SM  001

#2. AC  LASSDEF
#3. AR  UNAVAIL
#4. COT GENAVAIL
#5. PCP UNAVAIL
```

Figure 1 SAMPLE LASSFA FORM   5E5 SOFTWARE RELEASE

```
lassfa                        5ESS Switch          _
                        OFFICE DATA ADMINISTRATION
                          LASS FEATURE ACCESS


*1. SM  002

#2. AC  LASSDEF
#3. AR  UNAVAIL
#4. COT GENAVAIL
#5. PCP UNAVAIL
#6. SCA UNAVAIL
#7. SCF SUBSCR
#8. SCR UNAVAIL
#9. SDA UNAVAIL
```

Figure 2 SAMPLE LASSFA FORM   5E6 AND LATER SOFTWARE RELEASES

SEC. 17: DSL DEFAULT SERVICE FORMS

SEC. 17A: 5974 RECORD
DSL DEFAULT SERVICE FORM - DFLTSRV

1. GENERAL

The 5974 Record is available with 5E5 and later Software Releases. Default Service allows unknown CPE (Customer Premises Equipment) on a DSL (Digital Subscriber Line) subscribing to Default Service to originate ACSR, BRI Test Line, BRIV (Basic Rate Inferface Verification), Repair (611), Access to 108 Test Line, Business Office (811), and Emergency (911) calls. Terminations to the user will be denied with default service.

A DSL subscribes to Default Service by entering a DFLTSRV group name on a DSL form (5907 Record). A maximum of 255 DFLTSRV forms may be defined for the office.

1.1 Recent Change View

The corresponding Recent Change View for this form is 23.15.

2. FORM AND RECORD ENTRIES

2.1 BASE AND CONTROL, ESS UNIT

Enter the Base and Control Number and office name on each record.

2.2 * DFLT SRV

Description: Enter the default service group name. The first character of the DFLT SRV name may not be a slash (/).

The 5ESS Switch software treats the DFLT SRV group name as a BRCS Feature group name and gives it an internal identifier which is transparent to the user. A BFG form (5625 Record) will not be applied.
Valid Entries: 1 - 7 characters

Data Rules:

The DFLT SRV must not match a BFGN defined on a BFG form (5625-1). It must not be
    "ABORT",
    "ACTBFG",
    "CLEANUP",
    "NONTGID",
    "NONE"(for 5E10 and later),
    "SETUP" or
    "TEMP".

2.3 # LCC

Description: Enter the Line Class Code that describes the class-of-service.

Required Field.
Valid Entries: 3 alphanumeric characters

Data Rules:

The combination of LCC and RAX must be defined on an LCC form (5306 Record) where CLASS OF SERVICE is "ISDN", TERMINATING TREATMENT is "INDIV", and LINE SCREENING is "N".

2.4 # RAX

Description: Enter the rate area number for routing and charging.

Required Field.
Valid Entries:

5E14 and earlier: 1 - 99

5E15 and later: 1 - 999

Data Rules:

The combination of LCC and RAX must be defined on an LCC form (5306 Record) where CLASS OF SERVICE is "ISDN", TERMINATING TREATMENT is "INDIV", and LINE SCREENING is "N".

For 5E15 and later, if RAX is greater than 99, SFID 561 ACT on the SFSYS form (5713-1 Record) must be "Y" (see Division 2, Section 4A561).

2.5 CODE RESTRICT

Description: This field is used to restrict certain CDIs (Code Indices) that should be blocked.

Software Release: 5E16(2) FR 5 and later
Valid Entries: Blank or 0 for no CODE RESTRICT, or 1 - 125

2.6 # BILL TN

Description: Enter a TN (Telephone Number) for billing. Enter a valid seven-digit TN if calls are to be billed to a TN within the local office. Enter a valid ten-digit number if calls are to be billed to a TN outside the local office.

The telephone number may be in any of the following formats:

- NXXXXXX - Where NXX is a valid office code defined on the NOC input form.

- NPANXXXXXX - Any ten digit number is acceptable, however normal expected values are valid NPA and NXX codes.

- ZXXXXXX - Where Z is 0 or 1. This is normally used for OUTWATS billing purposes.

Required Field.
Valid Entries: 7 or 10 digits

2.7 USE CNT

Description: This field represents the number of users this default service has. It is a Recent Change/Verify Only field.

```
dfltsrv                              5ESS Switch              _
(5974)                        OFFICE DATA ADMINISTRATION
                                  DSL DEFAULT SERVICE


*1. DFLT SRV     _____
#2. LCC          ___
#3. RAX          ___
#4. BILL TN      _____
    USE CNT
```

Figure 1 SAMPLE DFLTSRV FORM   5E8 AND EARLIER SOFTWARE RELEASES

```
dfltsrv                              5ESS Switch              _
                              OFFICE DATA ADMINISTRATION
(5974)                            DSL DEFAULT SERVICE


*1. DFLT SRV       _____
#2. LCC            ___
#3. RAX            ___
 4. CODE RESTRICT 000
#5. BILL TN        _____
    USE CNT        _____
```

Figure 2 SAMPLE DFLTSRV FORM   5E16(2) AND LATER SOFTWARE RELEASES

SEC. 18: LASS SELECTIVE CALL ACCEPTANCE FORMS

Page 1

SEC. 18A: 5975 RECORD
LASS SELECTIVE CALL ACCEPTANCE FEATURE DEFINITION RECORD - LSCAFD

1. GENERAL

This form is available with 5E6 and later Software Releases. It allows a business or residential subscriber the ability to only accept calls from a user-defined list of TNs. When the SCA (Selective Call Appearance) feature is activated, all calls terminating to the user will be screened. The TNs that fail LASS (Local Area Signaling Serivces) SCA screening will be routed to an announcement or forwarded to a customer changeable TN.

The screen list can be created, activated or deactivated during a user's SLE (Screen List Editing) session. An SLE session, which is accessed by dial code, enables the user to add or update the TN list, to change the NAT (Non-Acceptance Treatment), or to activate/deactivate the feature.

A feature button may be assigned to the user, but it will only provide toggle activation/deactivation capabilities.

This feature may be provided for:

- intraswitch calls.

- interswitch calls provided there is CCS7 or Primary Rate Interface connectivity between the originating and terminating offices.

Either this feature or a CAR (Computer Access Restriction) feature defined on the LSCARFD form may be assigned to a user. Only one SCA/CAR feature may be assigned to a line.

The line (defined on a LINE, DSLUSR or MLHLN form) this feature is assigned to must have a CLASS OF SERVICE of "INDIV", "4WINDIV", "ISDN", or "PBX" assigned on the associated LCC form (5306 Record).

For more information on LSF (LASS Selective Features), refer to Division 2, Section 1Z.

1.1 Recent Change View

The corresponding Recent Change View for this form is 12.55.

2. FORM AND RECORD ENTRIES

2.1 BASE AND CONTROL, ESS UNIT

Enter the Base and Control Group Number and Office Name on each record.

2.2 * FEATURE

Description: Enter the SCA Feature name. There are no restrictions on the valid characters except that feature names starting with a slash (/) are reserved for preconstructed features. Preconstructed features may be reviewed in the ODA database but may not be deleted, changed or inserted.
Valid Entries: 1 - 8 characters

2.3 REMARKS

Description: Enter a descriptive comment as necessary.
Valid Entries: up to 32 characters

2.4 AMA REC

Description: Is the type of billing to be performed usage sensitive?

An entry of "Y" means billing will be usage-sensitive and an AMA (Automatic Message Accounting) record will be created.

An entry of "N" means billing will be done on a flat-rate basis with no AMA record created.

Required Field.
Default: N
Valid Entries: Y, N

ESS 5975(01)TG-5   LASS SELECTIVE CALL ACCEPTANCE FEATURE   DATE _____
                                         DEFINITION RECORD
LSCAFD   5ESS SWITCH
12.55
BASE_____CONT GR____   5ESS UNIT _____   PAGE_____

FEATURE	REMARKS	AMA REC
/SA*	SCA WILDCARD FEATURE	Y
/SCAFR	SCA WITH FLAT RATE BILLING	N
/SCAGA	SCA GENERAL AVAILABLE FEATURE	Y

Figure 1 PRECONSTRUCTED SELECTIVE CALL ACCEPTANCE FEATURES

```
lscafd                          5ESS Switch              _
(5975)                   OFFICE DATA ADMINISTRATION
              SELECTIVE CALL ACCEPTANCE FEATURE DEFINITION


* 2. FEATURE /SCAFR          3. REMARKS SCA WITH FLAT RATE BILLING


============================= FEATURE OPTIONS =============================

   4. AMA REC N
```

Figure 2 SAMPLE LSCAFD FORM   5E6 AND LATER SOFTWARE RELEASES

SEC. 19: LASS SELECTIVE CALL FORWARDING FORMS

SEC. 19A: 5976 RECORD
LASS SELECTIVE CALL FORWARDING
FEATURE DEFINITION RECORD - LSCFFD

1. GENERAL

This form is available with 5E6 and later Software Releases. It allows a business or residential subscriber the ability to forward incoming calls where the CPN (Calling Party Number) matches a TN (Telephone Number) in a user-defined list of TNs. The TNs that fail LASS (Local Area Signaling Services) SCF (Selective Call Forwarding) screening will be forwarded to a customer-changeable TN.

The screen list can be created, activated or deactivated during a user's SLE (Screen List Editing) session. An SLE session, which is accessed by dial code, enables the user to add or update the TN list, to change the forward to DN or to activate/deactivate the feature.

A feature button may be assigned to the user but it will only provide toggle activation/deactivation capabilities.

This feature may be provided for intraswitch calls and for interswitch calls provided there is CCS7 (Common Channel Signaling 7) connectivity or PRI (Primary Rate Interface) connectivity between the originating and terminating offices.

The line (defined on a LINE, DSLUSR or MLHLN form) to which this feature is assigned must have a CLASS OF SERVICE of "INDIV", "4WINDIV", "ISDN" or "PBX" assigned on the associated LCC form (5306 Record).

For more information on LSF (LASS Selective Features), refer to Division 2, Section 1Z.

1.1 Recent Change View

The corresponding Recent Change View for this form is 12.56.

2. FORM AND RECORD ENTRIES

2.1 BASE AND CONTROL, ESS UNIT

Enter the Base and Control Number and Office Name on each record.

2.2 * FEATURE

Description: Enter the SCF Feature name. There are no restrictions on the valid characters except that feature names starting with a slash (/) are reserved for preconstructed features. Preconstructed features may be reviewed in the ODA (Office Database Adminstrator) database but may not be deleted, changed or inserted.

Required Field.
Valid Entries: 1 - 8 characters

2.3 REMARKS

Description: Enter a descriptive comment.
Valid Entries: 1 - 32 characters

FEATURE OPTIONS

The following field defines the feature option.

2.4 AMA REC

Description: Will billing be performed on a usage-sensitive basis, and will an AMA (Automatic Message Accounting) record be created?

If the SCF (Selective Call Forwarding) feature is generally available, then billing can be done on a flat rate or usage-sensitive basis according to how the subscribing user prefers to be billed.

If this field is equal to "N", billing will be done on a flat-rate basis with no AMA record created.

Required Field.
Default: N
Valid Entries: Y, N

DEFAULT PARAMETERS

The following field defines the default parameter.

2.5 BSRING

Description: Will a base station reminder ringing (Ping Ring) be provided?

Required Field.
Default: Y
Valid Entries: Y, N

ESS 5976(01)TG-5   LASS SELECTIVE CALL FORWARDING FEATURE   DATE _____

                                              DEFINITION RECORD
LSCFFD   5ESS SWITCH
12.56
BASE_____CONT GR____   5ESS UNIT _____   PAGE_____

FEATURE NAME	AMA REC	BSRING	REMARKS
/SCFFR	N	N	SCF WITH FLAT RATE BILLING
/SCFFRR	N	Y	SCF WITH FLAT RATE AND PING RING
/SCFGA	Y	Y	SCF GENERALLY AVAILABLE FEATURE
/SCFUS	Y	N	SCF WITH USAGE SENSITIVE BILLING
/SF*	Y	Y	SCF WILDCARD FEATURE

Figure 1 PRECONSTRUCTED LASS SCF FEATURES

```
lscffd                              5ESS Switch               _
(5976)                        OFFICE DATA ADMINISTRATION
                   SELECTIVE CALL FORWARDING FEATURE DEFINITION


* 2. FEATURE /SCFFRR           3. REMARKS SCF WITH FLAT RATE AND PING RING


============================ FEATURE OPTIONS ================================


  4. AMA REC N
```

```
========================= DEFAULT PARAMETERS =================================

   5. BSRING  Y
```

Figure 2 SAMPLE LSCFFD FORM   5E5 AND LATER SOFTWARE RELEASES

SEC. 20: LASS SELECTIVE CALL REJECTION FORMS

Page 1

SEC. 20A: 5977 RECORD
LASS SELECTIVE CALL REJECTION
FEATURE DEFINITION RECORD - LSCRFD

1. GENERAL

This form is available with 5E6 and later Software Releases. It allows a business or residential subscriber the ability to only reject calls from a user-defined list of TNs (Telephone Numbers). When the feature is activated, all calls terminating to the user will be screened. The TNs that fail LASS (Local Area Signaling Services) SCR (Selective Call Rejection) screening will be routed to either a gentle or harsh announcement.

The screen list can be created, activated or deactivated during a users SLE (Screen List Editing) session. An SLE session, which is accessed by dial code, enables the user to update the TN list or to activate/deactivate the feature.

A feature button may be assigned to the user but it will only provide toggle activation/deactivation capabilities.

This feature may be provided for intraswitch calls and for interswitch calls provided there is CCS7 (Common Channel Signaling 7) connectivity or PRI (Primary Rate Interface) connectivity between the originating and terminating offices.

The line (defined on a LINE, DSLUSR or MLHLN form) to which this feature is assigned must have a CLASS OF SERVICE of "INDIV", "4WINDIV", "ISDN" or "PBX" assigned on the associated LCC form (5306 Record).

For more information on LSF (LASS Selective Features), refer to Division 2, Section 1Z.

1.1 Recent Change View

The corresponding Recent Change View for this form is 12.57.

2. FORM AND RECORD ENTRIES

2.1 BASE AND CONTROL, ESS UNIT

Enter the Base and Control Number and Office Name on each record.

2.2 * FEATURE

Description: Enter the SCR Feature name. There are no restrictions on the valid characters except that feature names starting with a slash (/) are reserved for preconstructed features. Preconstructed features may be reviewed in the ODA database but may not be deleted, changed or inserted.

Required Field.
Valid Entries: 1 - 8 characters

2.3 REMARKS

Description: Enter a descriptive comment.
Valid Entries: 1 - 32 characters

2.4 AMA REC

Description: Will billing be usage-sensitive, and will an AMA record be created?

If the SCR feature is generally available, then billing can be done on a flat rate or usage-sensitive basis according to how the subscribing user prefers to be billed.

If this field is "Y", billing will be usage-sensitive and an AMA record will be created. If this field is "N", billing will be done on a flat-rate basis with no AMA record created.

Required Field.
Default: N
Valid Entries: Y, N

2.5 HARSH TRMT

Description: Should a harsh announcement be provided to the calling party after failing LASS Selective Call Rejection screening? If this field is "N", a gentle announcement will be provided.

The route indexes for harsh and gentle announcements are assigned on the LASSOP form (5945 Record).

Required Field.
Default: N
Valid Entries: Y, N

ESS 5977(01)TG-5   LASS SELECTIVE CALL REJECTION FEATURE   DATE _____
                                                DEFINITION RECORD
LSCRFD   5ESS SWITCH
12.57
BASE_____CONT GR____   5ESS UNIT _____   PAGE_____

FEATURE NAME	AMA REC	HARSH TRMT	REMARKS
/SCRFRG	N	N	SCR WITH FLAT RATE, GENTLE ANNC
/SCRFRH	N	Y	SCR WITH FLAT RATE, HARSH ANNC
/SCRGA	Y	N	SCR GA WITH GENTLE ANNOUNCEMENT
/SCRUSH	Y	Y	SCR GA WITH USAGE SENSITIVE, HARSH
/SJ*	Y	N	SCR WILDCARD FEATURE

Figure 1 PRECONSTRUCTED SCR FEATURES

```
lscrfd                           5ESS Switch              _
(5977)                      OFFICE DATA ADMINISTRATION
                  SELECTIVE CALL REJECTION FEATURE DEFINITION


* 2. FEATURE    /SCRFRH      3. REMARKS SCR WITH FLAT RATE: HARSH ANNC:


============================ FEATURE OPTIONS ============================
  4. AMA REC     N


=========================== DEFAULT PARAMETERS ===========================

  5. HARSH TRMT Y
```

Figure 2 SAMPLE LSCRFD FORM   5E6 AND LATER SOFTWARE RELEASES

SEC. 21: LASS SELECTIVE DISTINCTIVE ALERT FORMS

SEC. 21A: 5978 RECORD
LASS SELECTIVE DISTINCTIVE ALERT
FEATURE DEFINITION RECORD - LSDAFD

1. GENERAL

This form is available with 5E6 and later Software Releases. It allows a business or residential subscriber the ability to provide distinctive ringing for incoming calls where the CPN (Calling Party Number) matches a TN(Telephone Numbers) on the user-defined list of TNs.

The screen list can be created, activated or deactivated during a users SLE (Screen List Editing) session. An SLE session, which is accessed by dial code, enables the user to add or update the TN list or to activate/deactivate the feature.

A feature button may be assigned to the user but it will only provide toggle activation/deactivation capabilities.

This feature may be provided for intraswitch calls and for interswitch calls provided there is CCS7 (Common Channel Signaling 7) connectivity or PRI (Primary Rate Interface) connectivity between the originating and terminating offices.

The line (defined on a LINE, DSLUSR or MLHLN form) to which this feature is assigned must have a CLASS OF SERVICE of "INDIV", "ISDN" or "PBX" assigned on the associated LCC (Line Class Code) form (5306 Record).

For more information on LSF (LASS Selective Features), refer to Division 2, Section 1Z.

1.1 Recent Change View

The corresponding Recent Change View for this form is 12.58.

2. FORM AND RECORD ENTRIES

2.1 BASE AND CONTROL, ESS UNIT

Enter the Base and Control Number and Office Name on each record.

2.2 * FEATURE

Description: Enter the SDA (Selective Distinctive Alerting) feature name with no restrictions on the valid characters except that feature names starting with a slash (/) are reserved for preconstructed features. Preconstructed features may be reviewed in the ODA (Office Database Adminstrator)database but may not be deleted, changed or inserted.

Required Field.
Valid Entries: 1 - 8 characters

2.3 REMARKS

Description: Enter a descriptive comment
Valid Entries: 1 - 32 characters

2.4 AMA REC

Description: Will billing be usage-sensitive and will an AMA (Automatic Message Accounting)record be created?

This field indicates the type of billing to be performed. If the SDA feature is generally available, then billing can be done on a flat rate or usage-sensitive basis according to how the subscribing user prefers to be billed.

If this field is "Y", billing will be usage-sensitive and an AMA record will be created. If this field is "N", billing will be done on a flat-rate basis with no AMA record created.

Required Field.
Default: N
Valid Entries: Y, N

ESS 5978(01)TG-5   LASS SELECTIVE DISTINCTIVE ALERT FEATURE   DATE _____
                                        DEFINITION RECORD
LSDAFD   5ESS SWITCH
12.58
BASE_____CONT GR____   5ESS UNIT _____   PAGE_____

FEATURE NAME	AMA REC	REMARKS
/SD*	Y	SDA WILDCARD FEATURE
/SDAFR	N	SDA WITH FLAT RATE BILLING
/SDAGA	Y	SDA GENERAL AVAILABLE FEATURE

Figure 1 PRECONSTRUCTED SDA FEATURES

```
lsdafd                          5ESS Switch              _
(5978)                   OFFICE DATA ADMINISTRATION
                 SELECTIVE DISTINCTIVE ALERT FEATURE DEFINITION


* 2. FEATURE /SDAFR          3. REMARKS SDA WITH FLAT RATE BILLING


============================ FEATURE OPTIONS ============================

  4. AMA REC N
```

Figure 2 SAMPLE LSDAFD FORM   5E6 AND LATER SOFTWARE RELEASES

SEC. 22: LASS COMPUTER ACCESS RESTRICTION FORMS

Page 1

SEC. 22A: 5979 RECORD
LASS COMPUTER ACCESS RESTRICTION FEATURE DEFINITION RECORD - LSCARFD

1. GENERAL

This form is available with 5E6 and later Software Releases. It allows a business or residential subscriber to restrict the access of calling parties to the customer's computer. This provides the customer control over who can access the computer. CAR (Computer Access Restriction) allows the user to create a list of TNs which will be screened when the feature is active. The TNs that fail LASS (Local Area Signaling Services) CAR screening will be routed to an announcement or forwarded to a customer changeable TN.

The screen list can be created, activated or deactivated during a user's SLE (Screen List Editing) session. An SLE session, which is accessed by dial code, enables the user to add or update the TN list, to change the NAT (Non-Acceptance Treatment), or to activate/deactivate the feature.

A feature button may be assigned to the user but it will only provide toggle activation/deactivation capabilities.

This feature may be provided for:

- intraswitch calls.

- interswitch calls, provided there is CCS7 connectivity or Primary Rate Interface connectivity between the originating and terminating offices.

Either this feature or the SCA (Selective Call Acceptance) feature found on the LSCAFD form may be assigned to a user. Only one SCA/CAR feature may be assigned to a line.

The line (defined on a LINE, DSLUSR or MLHLN form) this feature is assigned to must have a CLASS OF SERVICE of "INDIV", "4WINDIV", "ISDN", or "PBX" assigned on the associated LCC form (5306 Record).

This feature is not available on a Generally Available basis.

For more information on LSF (LASS Selective Features), refer to Division 2, Section 1Z.

1.1 Recent Change View

The corresponding Recent Change View for this form is 12.54.

2. FORM AND RECORD ENTRIES

2.1 BASE AND CONTROL, ESS UNIT

Enter the Base and Control Group Number and Office Name on each record.

2.2 * FEATURE

Description: Enter the CAR Feature name. There are no restrictions on the valid characters, except that feature names starting with a slash (/) are reserved for preconstructed features. Preconstructed features may be reviewed in the ODA database but may not be deleted, changed, or inserted.
Valid Entries: 1 - 8 characters

2.3 REMARKS

Description: Enter a descriptive comment as necessary.
Valid Entries: up to 32 characters

2.4 AMA REC

Description: Is the type of billing to be performed usage sensitive?

An entry of "Y" means billing will be usage-sensitive and an AMA (Automatic Message Accounting) record will be created.

An entry of "N" means billing will be done on a flat-rate basis with no AMA record created.

Required Field.

Default Value: N
Valid Entries: Y, N

ESS 5979(01)TG-5   LASS COMPUTER ACCESS RESTRICTION FEATURE   DATE _____
                                                        DEFINITION RECORD
LSCARFD   5ESS SWITCH
12.54
BASE_____CONT GR____   5ESS UNIT _____   PAGE_____

FEATURE	REMARKS	AMA REC
/CARFR	CAR WITH FLAT RATE BILLING	N
/CARUS	CAR WITH USAGE SENSITIVE BILLING	Y

Figure 1 PRECONSTRUCTED COMPUTER ACCESS RESTRICTION FEATURES

```
lscarfd                           5ESS Switch              _
(5979)                     OFFICE DATA ADMINISTRATION
                  COMPUTER ACCESS RESTRICTION FEATURE DEFINITION


* 2. FEATURE /CARFR          3. REMARKS CAR WITH FLAT RATE BILLING


============================ FEATURE OPTIONS ===============================

   4. AMA REC N
```

Figure 2 SAMPLE LSCARFD FORM   5E6 AND LATER SOFTWARE RELEASES

SEC. 23: DISPLAY MESSAGE FORMS

SEC. 23A: 5980 RECORD
DISPLAY MESSAGE RECORD - DISPMSG

1. GENERAL

The 5980 Record is available with 5E6 and later Software Releases. This record defines all of the ISDN display messages that will be displayed on the user's ISDN terminal for LASS (Local Area Signaling Services) features. These display messages are used by call processing when the customer using the LASS feature has an ISDN terminal with display capability. For more information on LASS Features, refer to Division 2, Section 1Y and Division 2, Section 1Z.

1.1 Default Input Data

With 5E6 and later Software Releases, a default set of input Displays are available for LASS features.

> **NOTE:** For 5E7 and later, if FEATURE ID 536 is activated on RC View 8.22, SLE displays marked as "5E7 and later" and SLE displays marked with an asterisk are supplied to the end user from Figure 2. When FEATURE ID 536 is active, pack position 2 on the EQRAP form (5822 Record) must have the MC5D143A30, L23 pack installed.

1.2 Recent Change View

The corresponding Recent Change View is 8.65.

2. FORM AND RECORD ENTRIES

2.1 BASE AND CONTROL, ESS UNIT

Enter the Base and Control Number and Office Name on each record.

2.2 * DISP TYPE

Description: Enter the feature that is going to receive the displays.

Software Release: 5E7 and later
Valid Entries:

Valid DISP TYPE Entries	
Entry	**Definition**
AC	LASS Automatic Callback
COT	LASS Customer Originated Trace
INSP	Inspect LASS feature display messages
SLE	LASS Screen List Editing features

2.3 * DISP ID

Description: This field is used to uniquely define an ISDN display message. Figures 1 and 2 show the standard set of input data that is provided for this form.

Valid DISP ID Entries - 5E7 and later	
Entry	**Definition**
1 - 5	DISP TYPE of "AC"
1 - 6	DISP TYPE of "COT"
1 - 12	Software Release: 5E9(2) and earlier.
	DISP TYPE of "INSP"

1 - 15	Software Release: 5E10 and later.
	DISP TYPE of "INSP"
1 - 189	DISP TYPE of "SLE"

2.4 MESSAGE

Description: Enter a 1 to 40 character message that will be displayed to an ISDN user during a LASS SLE session. If a TN is to be displayed along with the message, the '~' character must be entered to represent the TN or the number of entries in the Screening List.
Valid Entries: 1 to 40 characters

Data Rules:

The user must have CLASS OF SERVICE with a value of "ISDN" assigned on the LCC Form (5306 Record). Also, the associated DSLUSR form must have the DISPLAY field set to "Y", indicating the terminal has display capabilities.

AC (Automatic Callback):
If DISP TYPE is "AC", DISP ID 2 must have a message with 31 or less characters if TN is a ten-digit number, or 29 or less characters if TN is a twelve-digit number.

COT (Customer Originated Call Trace):
If DISP TYPE is "COT", DISP ID 1 must have a message with 29 or less characters.

INSP (Inspect):
For 5E10 and later, if SFID ACT 225 on the SFSYS form is "Y", indicating National ISDN -3 features are activated, then MESSAGE on the DISPMSG form with keys of DISP TYPE equal "INSP" and DISP ID of 006 should read: "Activate/deactivate ID Features". This data rule supports the National ISDN - 3 Calling Name for BRI feature. For more information on this feature, see Division 2, Section 1AM on provisioning National ISDN features.

SLE (Screen List Editing):
If DISP TYPE is "SLE":

- DISP IDs, 150, 152, 155, 157, 171, 172, 173, 174, 175, and 176 must have a message with 39 or less characters.

- DISP IDs 116, 118, 119, 122, 135, 136, 137, 163 and 164 must have a message with 23 or less characters.

DISP TYPE	DISP ID	MESSAGE	Software Release
AC	001	To call last number, dial 1 now.	5E7 and later
AC	002	To call ~, dial 1 now.	5E7 and later
AC	003	To call ~, dial 1 now.	5E7 and later
AC	004	Dial 1 to call back otherwise hang up.	5E7 and later
AC	005	Please consult your written instructions	5E7 and later
COT	001	Call ~ for official follow-up	5E7 and later
COT	002	Contact authorities for follow-up.	5E7 and later
COT	003	Unable to trace call—number unavailable	5E7 and later
COT	004	Temporarily unable to trace calls	5E7 and later
COT	005	Dial 1 to trace call, or else hang up.	5E7 and later
COT	006	Please consult your written instructions	5E7 and later
INSP	001	Redial last outgoing call	5E7 and later
INSP	002	Cancel - redial last outgoing call(s)	5E7 and later

INSP	003	Return last incoming call	5E7 and later
INSP	004	Cancel - return last incoming call(s)	5E7 and later
INSP	005	Customer originated trace	5E7 and later
INSP	006	Calling number display on/off	5E7 and later
INSP	007	Privacy on/off	5E7 and later
INSP	008	Computer access restriction on/off	5E7 and later
INSP	009	Selective call acceptance on/off	5E7 and later
INSP	010	Selective call forwarding on/off	5E7 and later
INSP	011	Selective call rejection on/off	5E7 and later
INSP	012	Selective distinctive alert on/off	5E7 and later
INSP	013	Activate name status toggle	5E10 and later.
INSP	014	Activate name & number private	5E10 and later.
INSP	015	Activate name & number public	5E10 and later.
SLE	001	Sorry, try adding number again later.	5E6 and later
SLE	002	Add:	5E6 and later
SLE	003	Add:	5E6 and later
SLE	004	Number already on list. ext ~	5E6 and later
SLE	005	Number already on list. Private.	5E6 and later
SLE	006	Number already on list. ~	5E6 and later
SLE	007	Sorry, invalid number dialed.	5E6 and later
SLE	008	Sorry, invalid command dialed.	5E6 and later
SLE	009	Sorry, invalid number dialed.	5E6 and later
SLE	010	Sorry, invalid number dialed.	5E6 and later
SLE	011	Digits cleared. Please start again.	5E6 and later
SLE	012	CAR is on. Forwarding to: ~	5E6 and later
SLE	013	CAR is on. Recording selected.	*5E6 and later
SLE	014	CAR is off.	*5E6 and later
SLE	015	CAR is on.	*5E6 and later
SLE	016	Unaccepted callers will hear a recording	*5E6 and later
SLE	017	Please continue, or dial 0 for help.	5E6 and later
SLE	018	No entries on list.	5E6 and later
SLE	019	Please start again.	5E6 and later
SLE	020	Dial forward-to number:	5E6 and later
SLE	021	Dial forward-to number:	5E6 and later
SLE	022	Dial forward-to number:	5E6 and later
SLE	023	Sorry, no entries on list.	5E6 and later
SLE	024	End of list.	5E6 and later
SLE	025	Ext ~ added.	*5E6 and later
SLE	026	Ext ~ removed.	*5E6 and later
SLE	027	Unaccepted calls forward to: ~	5E6 and later
SLE	028	Unaccepted calls forward to: ~	5E6 and later
SLE	029	Calls forwarded to: ~	5E6 and later
SLE	030	Please hang up now and try again later.	*5E6 and later
SLE	031	Sorry, the number dialed is incorrect.	5E6 and later
SLE	032	# to add, * to remove, 0 instruction.	5E6 and later
SLE	033	08 to remove all, 09 to remove private.	5E6 and later
SLE	034	08 to remove all, 09 to remove private.	5E6 and later
SLE	035	Sorry, service interrupted.	*5E6 and later
SLE	036	Sorry, list full.	5E6 and later
SLE	037	Add entries to your list.	5E6 and later
SLE	038	Dial 1 for recording or 0 to forward.	*5E6 and later
SLE	039	Dial 1 for recording or 0 to forward.	*5E6 and later
SLE	040	No entries on list.	5E6 and later
SLE	041	Sorry, number is not available now.	5E6 and later
SLE	042	Sorry, no entries on your list.	5E6 and later
SLE	043	Private entries removed.	*5E6 and later
SLE	044	Number not listed. ~	5E6 and later
SLE	045	Number not listed.	5E6 and later
SLE	046	Number not listed. ext ~	5E6 and later
SLE	047	The number added is a private entry.	*5E6 and later
SLE	048	1 entry on list.	5E6 and later
SLE	049	~ entries on list.	5E6 and later
SLE	050	1 entry. Please start again.	5E6 and later
SLE	051	~ entries. Please start again.	5E6 and later
SLE	052	The number removed is a private entry.	*5E6 and later
SLE	053	~ added.	*5E6 and later
SLE	054	1 entry on list.	5E6 and later
SLE	055	~ entries on list.	5E6 and later
SLE	056	1 entry on list.	5E6 and later

SLE	057	~ entries on list.	5E6 and later
SLE	058	~ removed.	*5E6 and later
SLE	059	Dial 1 for recording or 0 to forward.	*5E6 and later
SLE	060	Dial 1 for recording or 0 to forward.	*5E6 and later
SLE	061	First entry: ~	*5E6 and later
SLE	062	First entry: ext ~	*5E6 and later
SLE	063	Next: ~	*5E6 and later
SLE	064	Next: ext ~	*5E6 and later
SLE	065	To reject last caller, dial # 01 #.	5E6 and later
SLE	066	Remove:	5E6 and later
SLE	067	Remove:	5E6 and later
SLE	068	SCA is on. Forwarding to: ~	5E6 and later
SLE	069	SCA is on. Recording selected.	*5E6 and later
SLE	070	SCA is off.	*5E6 and later
SLE	071	SCA is on.	*5E6 and later
SLE	072	Unaccepted callers will hear a recording	*5E6 and later
SLE	073	SCF is on. Forwarding to: ~	*5E6 and later
SLE	074	SCF is off.	*5E6 and later
SLE	075	SCF is on.	*5E6 and later
SLE	076	SCR is off.	*5E6 and later
SLE	077	SCR is on.	*5E6 and later
SLE	078	SDA is off.	*5E6 and later
SLE	079	SDA is on.	*5E6 and later
SLE	080	Sorry, too few digits.	5E6 and later
SLE	081	Sorry, too many digits.	5E6 and later
SLE	082	~ entries on list.	5E6 and later
SLE	083	~ entries on list.	5E6 and later
SLE	084	~ private entries on list.	5E6 and later
SLE	085	~ entries on list.	5E6 and later
SLE	086	~ entries on list.	5E6 and later
SLE	087	~ private entries on list.	5E6 and later
SLE	088	To turn service off, dial 3.	5E6 and later
SLE	089	To turn service on, dial 3.	5E6 and later
SLE	090	Sorry, the number is not available.	5E6 and later
SLE	091	Computer Access Restriction	5E6 and later
SLE	092	Selective Call Acceptance	5E6 and later
SLE	093	Selective Call Forwarding	5E6 and later
SLE	094	Add:	5E6 and later
SLE	095	Add:	5E6 and later
SLE	096	Please start again.	5E6 and later
SLE	097	12 to add, 11 to remove, 0 instruction.	5E6 and later
SLE	098	Add entries to your list.	5E6 and later
SLE	099	Digits cleared	*5E6 and later
SLE	100	To reject last caller, dial 12 01.	5E6 and later
SLE	101	Remove:	5E6 and later
SLE	102	Remove:	5E6 and later
SLE	103	Store treatment for unaccepted callers.	*5E6 and later
SLE	104	Store forward-to number.	*5E6 and later
SLE	105	Spare - see DISP TYPE INSP, DISP ID 8	5E6 and later
SLE	106	Spare - see DISP TYPE INSP, DISP ID 9	5E6 and later
SLE	107	Spare - see DISP TYPE INSP, DISP ID 10	5E6 and later
SLE	108	Spare - see DISP TYPE INSP, DISP ID 11	5E6 and later
SLE	109	Spare - see DISP TYPE INSP, DISP ID 12	5E6 and later
SLE	110	Sorry, try adding number again later.	5E7 and later
SLE	111	Sorry, try adding number again later.	5E7 and later
SLE	112	Please dial a number, then #.	5E7 and later
SLE	113	Number already on list. ext ~	5E7 and later
SLE	114	Number already on list. Private.	5E7 and later
SLE	115	Number already on list. ~	5E7 and later
SLE	116	Sorry, ~ not permitted.	5E7 and later
SLE	117	Sorry, invalid command dialed.	5E7 and later
SLE	118	Sorry, ~ not permitted.	5E7 and later
SLE	119	Sorry, ~ not permitted.	5E7 and later
SLE	120	Digits cleared.	5E7 and later
SLE	121	Digits cleared.	5E7 and later
SLE	122	CAR on. Forward to: ~	5E7 and later
SLE	123	Please continue, or dial 0 for help.	5E7 and later
SLE	124	Please continue, or dial 0 for help.	5E7 and later
SLE	125	No more entries on your list.	5E7 and later

SLE	126	Please start again.	5E7 and later
SLE	127	Dial forward-to number:	5E7 and later
SLE	128	Dial forward-to number:	5E7 and later
SLE	129	Dial forward-to number:	5E7 and later
SLE	130	Sorry, no entries on your list.	5E7 and later
SLE	131	Your list is now empty.	5E7 and later
SLE	132	End of your list.	5E7 and later
SLE	133	Ext ~ added.	5E7 and later
SLE	134	Ext ~ removed.	5E7 and later
SLE	135	Calls forwarded to: ~	5E7 and later
SLE	136	Calls forwarded to: ~	5E7 and later
SLE	137	Calls forwarded to: ~	5E7 and later
SLE	138	Sorry, the number dialed is incorrect.	5E7 and later
SLE	139	Sorry, the number dialed is incorrect.	5E7 and later
SLE	140	3 to turn off, # to add, * to remove.	5E7 and later
SLE	141	3 to turn on, # to add	5E7 and later
SLE	142	Sorry, your list is full.	5E7 and later
SLE	143	Add an entry to your list.	5E7 and later
SLE	144	No entries on your list.	5E7 and later
SLE	145	Sorry, number is not available.	5E7 and later
SLE	146	Sorry, number is not available.	5E7 and later
SLE	147	Number not on your list.	5E7 and later
SLE	148	The number added is a private entry.	5E7 and later
SLE	149	One entry on your list.	5E7 and later
SLE	150	~ entries on your list.	5E7 and later
SLE	151	One entry on your list.	5E7 and later
SLE	152	~ entries on your list.	5E7 and later
SLE	153	~ added.	5E7 and later
SLE	154	One entry on your list.	5E7 and later
SLE	155	~ entries on your list.	5E7 and later
SLE	156	One entry on your list. 0,7 to remove.	5E7 and later
SLE	157	~ entries on your list. 0,7 to remove.	5E7 and later
SLE	158	~ removed.	5E7 and later
SLE	159	Repeating: ~	5E7 and later
SLE	160	Repeating: ext ~	5E7 and later
SLE	161	To reject last caller, dial # 0,1 #.	5E7 and later
SLE	162	Remove one or more entries.	5E7 and later
SLE	163	SCA on. Forward to: ~	5E7 and later
SLE	164	SCF on. Forward to: ~	5E7 and later
SLE	165	Please start again, or dial 0 for help	5E7 and later
SLE	166	Please start again, or dial 0 for help	5E7 and later
SLE	167	Sorry, too few digits	5E7 and later
SLE	168	Sorry, too few digits	5E7 and later
SLE	169	Sorry, too many digits	5E7 and later
SLE	170	Sorry, too many digits	5E7 and later
SLE	171	~ entries on your list	5E7 and later
SLE	172	~ entries on your list	5E7 and later
SLE	173	~ entries on your list	5E7 and later
SLE	174	~ entries on your list. 0,7 to remove	5E7 and later
SLE	175	~ entries on your list. 0,7 to remove	5E7 and later
SLE	176	~ entries on your list. 0,7 to remove	5E7 and later
SLE	177	Please try other options	5E7 and later
SLE	178	Sorry, the number is not available	5E7 and later
SLE	179	Sorry, the number is not available	5E7 and later
SLE	180	Please dial a number	5E7 and later
SLE	181	Please start again	5E7 and later
SLE	182	Dial forward-to number	5E7 and later
SLE	183	Dial forward-to number	5E7 and later
SLE	184	Dial forward-to number	5E7 and later
SLE	185	3 to turn off, 1,2 to add, 1,1 to remov	5E7 and later
SLE	186	3 to turn on, 1,2 to add, 1,1 to remove	5E7 and later
SLE	187	Add an entry to your list	5E7 and later
SLE	188	To reject last caller, dial 1,2 then 0, 5E7 and later	
SLE	189	Remove one or more entries	5E7 and later

Figure 1 DEFAULT INPUT DATA PROVIDED BY ODA

```
                              5ESS Switch              _
dispmsg                   OFFICE DATA ADMINISTRATION
(5980)                        DISPLAY MESSAGE

*1. DISP TYPE SLE
*2. DISP ID   124
#3. MESSAGE   Continue or dial 0 for help.
```

Figure 2 SAMPLE DISPMSG FORM 5E7 AND LATER SOFTWARE RELEASES

SEC. 24: LASS SELECTIVE FEATURE SCREENING

SEC. 24A: 5981 RECORD
LASS SELECTIVE FEATURE SCREENING LIST RECORD - LSSLE

1. GENERAL

This form is available with 5E6 and later Software Releases. It allows the operating company to define initial Screen List information (e.g., LASS Screen List TNs, Non-Acceptance Treatments for a particular user (line or multi-line hunt terminal)). This form is usually used during a retrofit , but it may be used by the operating company to set up a customer's Screening Lists if the information is known in advance.

For more information on LASS features, refer to Division 2, Section 1Z.

1.1 Recent Change View

The corresponding Recent Change View for this form is 4.48.

2. FORM AND RECORD ENTRIES

2.1 BASE AND CONTROL, ESS UNIT

Enter the Base and Control Number and Office Name on each record.

2.2 (*) TN

Description: Enter the telephone number of the LSF (LASS Selective Feature) user.
Valid Entries:
     For 5E11 and earlier: 7 digits
     For 5E12 and later: XXXXXXX or NXXXXXXXXX where N is 2 - 9 and X is 0 - 9

Data Rules:

Either this field or the MLHG/TERM fields must be entered.

If the TN entered here is a Secondary Only TN defined on the SHTN form (5902 Record), the feature must be assigned to the line by subscription (not as a Generally Available feature) via a LINEFA, BFG or CLUSTR form.

For 5E12 and later, TN/FEATURE combinations on different LSSLE forms can not be duplicated.

For 5E12 and later, if the first 3 digits of the 7-digit TNs on the LSSLE form are equivalent to an OFFICE CODE on the NOC form, and there is more than one NOC form with the same value for OFFICE CODE, or the NOC form does not exist, the 7-digit TN(s) must be a 10-digit TN with the NPA/OFFICE CODE defined on the NOC form.

2.3 (*) MLHG

Description: Enter the Multi-Line Hunt Group number.
Valid Entries:
     For 5E14 and earlier: 1 - 2000
     For 5E15 and later: Blank or 1 - 8191

Data Rules:

Either the MLHG/TERM fields or the TN field must be entered.

2.4 (*) TERM

Description: Enter the Multi-Line Hunt Group terminal number.
Valid Entries: 1 - 2047

Data Rules:

Either the MLHG/TERM fields or the TN field must be entered.

If this field has a value greater than 1, the associated TN must be defined on an MLHLN, DSLUSR or MULTITN form with the NONHUNT field set to "Y".

2.5 * FEATURE

Description: Enter the feature name of the LASS Selective Feature (i.e., SCA, CAR, SCR, SCF, or SDA).

Required Field.
Valid Entries: 1 - 8 characters

Data Rules:

If the MLHG/TERM fields are entered, the feature must be assigned to the Multi-Line Hunt Line via the MLHLNFA form (5113 Record). Otherwise, the feature must be assigned as a generally available feature on the LASSOP form, or it must be assigned on a subscription basis to the line via the LINEFA, BFG or CLUSTR form.

The TN or MLHG/TERM must not have more than one of the same LASS features assigned to it.

2.6 FEAT TYPE

Description: This field indicates what LSF (LASS Selective Feature) is assigned to the user. This field is a text-only field in ODA. It is a read-only field on RC View 4.48. The possible display values are "SCA" for Selective Call Acceptance, "CAR" for Computer Access Restriction, "SCF" for Selective Call Forwarding, "SCR" for Selective Call Rejection and "SDA" for Selective Distinctive Alert.

2.7 ACC MODE

Description: This field indicates the type of access that is provided to the user. This field is a text-only field in ODA. It is a read-only field on RC View 4.48. The possible display values are "SUBSCR" or "GENAVAIL".

2.8 MAX LST SZE

Description: This field indicates how many TNs may be entered on a Screen List. This field is a text-only field in ODA. It is a read-only field on RC View 4.48. The possible display values are from 3 - 31 and are provided from RC View 8.21.

2.9 NAT

Description: This field indicates the type of Non-Acceptance Treatment that will be provided to the called party after a LASS SLE screening failure. This field applies to SCA and CAR only.

Valid NAT Entries	
Entry	**Definition**
ANNC	Announcement.
FWD	Call Forward.

Data Rules:

If this field is entered, the corresponding FEATURE must be defined on the LSCAFD form (5975 Record) for SCA or the LSCARFD form (5979 Record) for CAR.

If "ANNC" is entered, a FWDTODN must not be specified.

If "FWD" is entered, a FWDTODN must be specified.

2.10 FWDTODN

Description: This field indicates where the calls will be forwarded for LASS Selective Call Forwarding. This field applies to the SCF and SCA/CAR features.
Valid Entries: 1 - 32 characters (0 - 9, *, #)

Data Rules:

If this field is entered, the corresponding FEATURE must be defined on the LSCAFD form (5975 Record) for SCA, the LSCARFD form (5979 Record) for CAR, or the LSCFFD form (5976 Record) for SCF.

2.11 BSRING

Description: Should the base station ringing (Ping Ring) be provided for forwarded calls?
Valid Entries: Y, N

Data Rules:

If this field is entered, the corresponding FEATURE must be defined on the LSCFFD form (5976 Record).

2.12 HARSH TRMT

Description: Should a harsh announcement be returned to the called party after a LASS SCR screening failure? If "N" is entered, a gentle announcement will be returned.
Valid Entries: Y, N

Data Rules:

If this field is entered, the corresponding FEATURE must be defined on the LSCRFD form (5977 Record) for SCR.

2.13 LST ACT

Description: Is the feature active for this user? This field is a text-only field in ODA, but it may be entered on RC View 4.48. The possible display values are "Y" or "N".

SCREENING LIST ENTRIES (SL)

The following two fields (Section 2.14 - Section 2.15) are used to enter the TNs and their type:

2.14 TN

Description: Enter a 10-digit TN, which will be screened during the activation of a LASS Selective Feature.
Valid Entries: 10 digits

Data Rules:

If this field is entered, the DN TYPE must be entered.

Duplicate TNs may not be entered on the list.

2.15 DN TYPE

Description: This field indicates what type of TN was entered on the previous field.

Valid DN TYPE Entries	
Entry	**Definition**
DNSEVEN	A 7-digit telephone number.
DNPRIV	A 7- or 10-digit private telephone number.
DNTEN	A 10-digit telephone number.
DNEXT	A 1- to 7-digit extension (not used by ODA or RC/V).
DNNUNXT	10-digit TN for the next extension on the Screening List.
NUEXT	The next extension (1- to 7-digit TN) on the Screening List.

Data Rules:

If this field is entered, the Selective Screening List TN must be entered.

For initial offices, only "DNTEN" and "DNPRIV" may be entered.

For every "NUEXT" entry there must be a "DNNUNXT" entered.

```
SCREENS 1 of 4                    5ESS Switch
lssle                   OFFICE DATA ADMINISTRATION
(5981)           LASS SELECTIVE FEATURE SCREENING LIST

(*)1. TN       5106324        8. NAT        FWD
(*)2. MLHG     ____           9. FWDTODN    5106288
(*)3. TERM     ____          10. BSRING     Y
 * 4. FEATURE  LSCF1         11. HARSH TRMT _

      FEAT TYPE                 LST ACT
      ACC MODE
      MAX LST SZE
```

```
SCREENS 2 OF 4                    5ESS Switch
lssle                   OFFICE DATA ADMINISTRATION
(5981)           LASS SELECTIVE FEATURE SCREENING LIST

            13. SCREENING LIST ENTRIES (SL)

      TN       DN TYPE           TN       DN TYPE           TN       DN TYPE
```

```
1. 7085103233  DNTEN        9. _____ _____      17. _____ _____
2. 7085106798  DNTEN       10. _____ _____      18. _____ _____
3. 7086264326  DNPRIV      11. _____ _____      19. _____ _____
4. _____ _____     12. _____ _____      20. _____ _____
5. _____ _____     13. _____ _____      21. _____ _____
6. _____ _____     14. _____ _____      22. _____ _____
7. _____ _____     15. _____ _____      23. _____ _____
8. _____ _____     16. _____ _____      24. _____ _____
```

```
SCREENS 3 of 4                      5ESS Switch
lssle                      OFFICE DATA ADMINISTRATION
(5981)                 LASS SELECTIVE SCREENING LIST


                  SCREENING LIST ENTRIES (SL)


        TN      DN TYPE            TN      DN TYPE            TN      DN TYPE
25. _____ _____     33. _____ _____     41. _____ _____
26. _____ _____     34. _____ _____     42. _____ _____
27. _____ _____     35. _____ _____     43. _____ _____
28. _____ _____     36. _____ _____     44. _____ _____
29. _____ _____     37. _____ _____     45. _____ _____
30. _____ _____     38. _____ _____     46. _____ _____
31. _____ _____     39. _____ _____     47. _____ _____
32. _____ _____     40. _____ _____     48. _____ _____
```

```
SCREENS 4 OF 4                      5ESS Switch            _
lssle                      OFFICE DATA ADMINISTRATION
(5981)              LASS SELECTIVE FEATURE SCREENING LIST


                  SCREENING LIST ENTRIES (SL)


        TN      DN TYPE            TN      DN TYPE
49. _____ _____     57. _____ _____
50. _____ _____     58. _____ _____
51. _____ _____     59. _____ _____
52. _____ _____     60. _____ _____
53. _____ _____     61. _____ _____
54. _____ _____     62. _____ _____
55. _____ _____
56. _____ _____
```

Figure 1 SAMPLE LSSLE FORM   5E11 AND EARLIER SOFTWARE RELEASES

```
lssle                               5ESS Switch
SCREEN 1 OF 4              OFFICE DATA ADMINISTRATION
(5981)              LASS SELECTIVE FEATURE SCREENING LIST
```

```
(*)1. TN      _____        8. NAT       ____
(*)2. MLHG    ____              9. FWDTODN    _____
(*)3. TERM    ____            10. BSRING    _
  *4. FEATURE _____        11. HARSH TRMT _

       FEAT TYPE   ___           LST ACT ___
       ACC MODE    ___
       MAX LST SZE ___
```

```
lssle                         5ESS Switch
SCREEN 2 OF 4              OFFICE DATA ADMINISTRATION
(5981)              LASS SELECTIVE FEATURE SCREENING LIST

              13. SCREENING LIST ENTRIES (SL)
ROW TN           DN TYPE ROW TN           DN TYPE ROW TN           DN TYPE
 1  _____ _____    9  _____ _____   17  _____ _____
 2  _____ _____   10  _____ _____   18  _____ _____
 3  _____ _____   11  _____ _____   19  _____ _____
 4  _____ _____   12  _____ _____   20  _____ _____
 5  _____ _____   13  _____ _____   21  _____ _____
 6  _____ _____   14  _____ _____   22  _____ _____
 7  _____ _____   15  _____ _____   23  _____ _____
 8  _____ _____   16  _____ _____   24  _____ _____
```

```
lssle                         5ESS Switch
SCREEN 3 OF 4              OFFICE DATA ADMINISTRATION
(5981)              LASS SELECTIVE FEATURE SCREENING LIST

              13. SCREENING LIST ENTRIES (SL)
ROW TN           DN TYPE ROW TN           DN TYPE ROW TN           DN TYPE
25  _____ _____   33  _____ _____   41  _____ _____
26  _____ _____   34  _____ _____   42  _____ _____
27  _____ _____   35  _____ _____   43  _____ _____
28  _____ _____   36  _____ _____   44  _____ _____
29  _____ _____   37  _____ _____   45  _____ _____
30  _____ _____   38  _____ _____   46  _____ _____
31  _____ _____   39  _____ _____   47  _____ _____
32  _____ _____   40  _____ _____   48  _____ _____
```

```
lssle                         5ESS Switch          _
SCREEN 4 OF 4              OFFICE DATA ADMINISTRATION
(5981)              LASS SELECTIVE FEATURE SCREENING LIST

      13. SCREENING LIST ENTRIES (SL)
ROW TN           DN TYPE ROW TN           DN TYPE
49  _____ _____   57  _____ _____
50  _____ _____   58  _____ _____
```

```
51 _____  _____        59 _____  _____
52 _____  _____        60 _____  _____
53 _____  _____        61 _____   _____
54 _____  _____        62 _____  _____
55 _____  _____
56 _____  _____
```

Figure 2 SAMPLE LSSLE FORM   5E12 AND LATER SOFTWARE RELEASES

SEC. 25: CALLING PARTY NUMBER/BILLING NUMBER FORMS

SEC. 25A: 5982 RECORD
CALLING PARTY NUMBER/BILLING NUMBER FEATURE FORM - CPNBNFD

1. GENERAL

The 5982 Record is available in 5E6 and later Software Releases. It is used to define the options associated with the CPN/BN (Calling Party Number/Billing Number) feature. These options include the feature name, method of feature activation or deactivation, feature options, billing options and shared DN options.

Each line or MLHG that uses a CPN/BN feature must have a CPN/BN feature name definition on this form (5982 Record) and a feature assignment on the appropriate LINEFA (5112 Record) or MLHLNFA (5113 Record) form and associated CLUSTR (5600 Record) or BFG forms (5625-1/7 Record). The AC (Authorization Code) on these forms must be set to "N".

1.1 Predefined Features

Certain CPN/BN features are predefined and automatically provided in the ODA database at the time of office registration. These are preconstructed features. Preconstructed feature names all start with a slash (/) and the first character of any feature other than preconstructed features. A list of the preconstructed features is contained in Figure 1.

1.2 ISDN Button Or Dial Codes

When the ACT or DEACT fields on this form are set to "CODE", an ISDN button can be set up or dialed codes can be used to activate or deactivate a CPN/BN feature. When "CODE" is entered on this form, the ACTION field on the Individualized Dialing Plan (IDPDCA form (5601-1/2 Record)) or the Office Dialing Plan (PDIT form (5300-2 Record)) must have an entry of "ACTCPNBN" (activate) or "DCTCPNBN" (deactivate) and either the preconstructed CPN/BN wildcard feature (*/CP) or the specific feature assigned to the TN or MLHG MEMB.

1.3 Line And MLHG Considerations

Each line or MLHG which uses a CPN/BN feature must have a CLASS OF SERVICE of "INDIV", "ISDN" or "ISATND" assigned on an LCC form (5306 Record).

Since an analog line or MLHG cannot use CPN/BN data, a CPN/BN feature assigned to an unshared analog line or MLHG has no functionality. A CPN/BN feature also has no functionality when a SHRD DN is set to "PRIMARY" and is assigned to a shared analog line or MLHG that is primary.

1.4 Recent Change View

The corresponding Recent Change View is 12.52.

2. FORM AND RECORD ENTRIES

2.1 BASE AND CONTROL, ESS UNIT

Enter the Base and Control Number and Office Name on each record.

2.2 * FEATURE

Description: Enter the CPN/BN Feature Name. The Feature Name may be from 1 to 8 characters long with no restrictions on the valid characters, except that Feature Names starting with a slash (/) are reserved for

preconstructed features. Preconstructed features may be reviewed in the ODA database but may not be inserted, deleted or changed.

Required Field.
Valid Entries: 1 - 8 characters

2.3 REMARKS

Description: This field may be used for any descriptive comment which consists of up to 32 alphanumeric, blank or special characters (except the double quote).
Valid Entries: 1 - 32 characters

FEATURE OPTIONS

The following fields (Section 2.4 - Section 2.8) define the options for this feature.

2.4 ACT

Description: This field indicates the activation type for this feature.

Required Field.
Default: AUTO
Valid Entries:

Valid ACT Entries	
Entry	**Definition**
AUTO	This feature is automatically activated.
CODE	This feature can be activated through dialed code or feature buttons.

Data Rules:

When this field is "AUTO", DEACT must have an entry of "NONE".

When this field is "CODE", DEACT must also have an entry of "CODE".

2.5 DEACT

Description: This field indicates the deactivation type for this feature.

Required Field.
Default: NONE
Valid Entries:

Valid DEACT Entries	
Entry	**Definition**
NONE	This feature cannot be deactivated.
CODE	This feature can be deactivated through dialed codes or feature buttons.

2.6 #CPN BN

Description: This field describes the CPN/BN option subscribed to by this feature.

Required Field.

Valid CPN BN Entries	
Entry	**Definition**

CPNONLY	Calling Party Number Only Option
BNONLY	Billing Party Number Only Option
CPNPREF	Calling Party Number Preferred Option
BNPREF	Billing Number Preferred Option

2.7 BILLING

Description: This field describes the type of billing to be used for this CPN/BN feature.

If "USAGESEN" is selected, a billing record is generated every 24 hours with a count of the number of CPNs and BNs delivered to the user. Also included is a count of the number of CPNs and BNs that could not be delivered because they were either unavailable or private.

If the feature is deactivated, the counts will not be made.

Required Field.
Default: FLATRATE
Valid Entries:

Valid BILLING Entries	
Entry	**Definition**
FLATRATE	Flat rate billing
USAGESEN	Usage-sensative billing

2.8 SHRD DN

Description: This specifies whether CPN/BN data is sent to all terminals sharing a DN or to the primary terminal only.

Required Field.
Default: PRIMARY
Valid Entries:

Valid SHRD DN Entries	
Entry	**Definition**
PRIMARY	Send CPN/BN data to primary terminal only.
ALL	Send CPN/BN data to all terminals sharing the DN.

Data Rules:

This field must be set to "ALL" for any analog shared DN, analog shared TN or analog shared MLHG terminal to use CPN/BN data.

FEATURE	REMARKS	FEATURE OPTIONS				
		ACT	**DEACT**	**CPN/BN**	**BILLING**	**SHRD DN**
/CP*	CPN/BN Wild Card Feature	CODE	CODE	CPNONLY	FLATRATE	PRIMARY
/CPCOFP	CPN Only, Flat, Prim	AUTO	NONE	CPNONLY	FLATRATE	PRIMARY
/CPCOAFP	CPN Only, Act/deact, Flat, Prim	CODE	CODE	CPNONLY	FLATRATE	PRIMARY
/CPBOFP	BN Only, Flat, Prim	AUTO	NONE	BNONLY	FLATRATE	PRIMARY
/CPBOAFP	BN Only, Act/deact, Flat, Prim	CODE	CODE	BNONLY	FLATRATE	PRIMARY
/CPCPFP	CPN Pref, Flat, Prim	AUTO	NONE	CPNPREF	FLATRATE	PRIMARY
/CPCPAFP	CPN Pref, Act/deact, Flat, Prim	CODE	CODE	CPNPREF	FLATRATE	PRIMARY
/CPBPFP	BN Pref, Flat, Prim	AUTO	NONE	BNPREF	FLATRATE	PRIMARY
/CPBPAFP	BN Pref, Act/deact, Flat, Prim	CODE	CODE	BNPREF	FLATRATE	PRIMARY
/CPCOUP	CPN Only, Usage, Prim	AUTO	NONE	CPNONLY	USAGESEN	PRIMARY
/CPCOAUP	CPN Only, Act/deact, Usage, Prim	CODE	CODE	CPNONLY	USAGESEN	PRIMARY
/CPBOUP	BN Only, Usage, Prim	AUTO	NONE	BNONLY	USAGESEN	PRIMARY
/CPBOAUP	BN Only, Act/deact, Usage, Prim	CODE	CODE	BNONLY	USAGESEN	PRIMARY
/CPCPUP	CPN Pref, Usage, Prim	AUTO	NONE	CPNPREF	USAGESEN	PRIMARY

/CPCPAUP	CPN Pref, Act/deact, Usage, Prim	CODE	CODE	CPNPREF	USAGESEN	PRIMARY
/CPBPUP	BN Pref, Usage, Prim	AUTO	NONE	BNPREF	USAGESEN	PRIMARY
/CPBPAUP	BN Pref, Act/deact, Usage, Prim	CODE	CODE	BNPREF	USAGESEN	PRIMARY
/CPCOFA	CPN Only, Flat, All	AUTO	NONE	CPNONLY	FLATRATE	ALL
/CPCOAFA	CPN Only, Act/deact, Flat, All	CODE	CODE	CPNONLY	FLATRATE	ALL
/CPBOFA	BN Only, Flat, All	AUTO	NONE	BNONLY	FLATRATE	ALL
/CPBOAFA	BN Only, Act/deact, Flat, All	CODE	CODE	BNONLY	FLATRATE	ALL
/CPCPFA	CPN Pref, Flat, All	AUTO	NONE	CPNPREF	FLATRATE	ALL
/CPCPAFA	CPN Pref, Act/deact, Flat, All	CODE	CODE	CPNPREF	FLATRATE	ALL
/CPBPFA	BN Pref, Flat, All	AUTO	NONE	BNPREF	FLATRATE	ALL
/CPBPAFA	BN Pref, Act/deact, Flat, All	CODE	CODE	BNPREF	FLATRATE	ALL
/CPCOUA	CPN Only, Usage, All	AUTO	NONE	CPNONLY	USAGESEN	ALL
/CPCOAUA	CPN Only, Act/deact, Usage, All	CODE	CODE	CPNONLY	USAGESEN	ALL
/CPBOUA	BN Only, Usage, All	AUTO	NONE	BNONLY	USAGESEN	ALL
/CPBOAUA	BN Only, Act/deact, Usage, All	CODE	CODE	BNONLY	USAGESEN	ALL
/CPCPUA	CPN Pref, Usage, All	AUTO	NONE	CPNPREF	USAGESEN	ALL
/CPCPAUA	CPN Pref, Act/deact, Usage, All	CODE	CODE	CPNPREF	USAGESEN	ALL
/CPBPUA	BN Pref, Usage, All	AUTO	NONE	BNPREF	USAGESEN	ALL
/CPBPAUA	BN Pref, Act/deact, Usage, All	CODE	CODE	BNPREF	USAGESEN	ALL

Figure 1 PRECONSTRUCTED CPN/BN FEATURES

```
cpnbnfd                         5ESS Switch              _
(5982)                   OFFICE DATA ADMINISTRATION
          CALLING PARTY NUMBER/BILLING NUMBER FEATURE DEFINITION


*2. FEATURE /CPCOFA             3. REMARKS CPN ONLY, FLAT, ALL


============================ FEATURE OPTIONS ===============================

 4. ACT     AUTO
 5. DEACT   NONE
#6. CPN BN  CPNONLY
 7. BILLING FLATRATE
 8. SHRD DN ALL
```

Figure 2 SAMPLE CPNBNFD FORM   5E6 AND LATER SOFTWARE RELEASE

SEC. 26: REDIRECTING NUMBER DELIVERY

SEC. 26A: 5983 RECORD
REDIRECTING NUMBER DELIVERY FORM - RNDFD

1. GENERAL

The 5983 Record is available with 5E8 and later Software Releases. It is used to define feature options associated with the RND (Redirecting Number Delivery) feature.

When a customer assigned an RND feature receives a forwarded call, the first and last forwarded DNs (Directory Numbers) are delivered to the called party.

A line or MLHG (Multi-Line Hunt Group) member may be assigned an RND feature on the appropriate feature assignment form: LINEFA (5112 Record), MLHLNFA (5113 Record), CLUSTR (5600 Record), or BFG (5625).The A field on the feature assignment form must be set to "Y". On the LINE and MLHLNFA forms the M field must also be set to "Y".

Only one RND feature can be assigned per LINEFA or MLHLNFA form.The AC (Authorization Code) on these forms, or on the CLUSTR form, must be set to "N".

The RND feature may not be assigned to trunks via the TRUNKFA (5205 Record) or TKGRPFA form (5206 Record).

1.1 Recent Change View

The corresponding Recent Change View for this form is 12.59.

2. FORM AND RECORD ENTRIES

2.1 BASE AND CONTROL, ESS UNIT

Enter the Base and Control Number and office name on each record.

2.2 * FEATURE

Description: Enter the RND feature name. The feature name may not start with a slash (/), which is reserved for preconstructed features.

Required Field.
Valid Entries: 1 - 8 characters

2.3 REMARKS

Description: Enter a descriptive comment.
Valid Entries: 1 - 32 alphanumeric characters

2.4 ACT

Description: This field determines how the feature will be activated. On this form the default and only activation type is "AUTO". An RND feature is automatically active and ready to use when assigned. It cannot be activated by the subscriber.
Default: AUTO
Valid Entries: AUTO

2.5 DEACT

Description: This field determines how the feature will be deactivated. On this form the default and only deactivation type is "NONE". An RND feature cannot be deactivated by the subscriber.
Default: NONE
Valid Entries: NONE

ESS 5983(4/92)TG-5   REDIRECTING NUMBER DELIVERY   DATE _____

                                                   FEATURE DEFINITION RECORD
RNDFD   5ESS SWITCH
12.59
BASE_____CONT GR____   5ESS UNIT _____   PAGE_____

FEATURE	REMARKS	ACT	DEACT
/RND	NO RND WILD CARD	AUTO	NONE

Figure 1 PRECONSTRUCTED RND FEATURES   5E8 AND LATER SOFTWARE RELEASES

```
rndfd                          5ESS SWITCH                  _
(5983)                  OFFICE DATA ADMINISTRATION
                REDIRECTING NUMBER DELIVERY FEATURE DEFINITION


*2. FEATURE  RND
 3. REMARKS  _____
     ACT      AUTO
     DEACT    NONE
```

Figure 2 SAMPLE RNDFD FORM   5E8 AND LATER SOFTWARE RELEASES

SEC. 27: ATS FEATURE BUTTON SERVICE DESCRIPTION

SEC. 27A: 5985 RECORD
ATS FEATURE BUTTON SERVICE DESCRIPTION FORM - SRVCDESC

1. GENERAL

The 5985 Record is available with 5E9(1) and later Software Releases, and defines all actions and their service descriptions for ATS (Automatic Terminal Setup). This form is used to override the default service descriptions. Refer to Figure 1.

The ATS feature supports National ISDN 2, downloading certain parameters essential for terminal operation on a National ISDN (standard) BRI upon request from the terminal. This feature minimizes the number of steps the user or installer must take to establish service. ATS minimizes the number of parameters a customer must enter into an ISDN terminal.

Standard default data has been provided by the 5ESS Switch.

For further information about ATS, see Division 2, Section 1AM.

1.1 Recent Change View

The corresponding Recent Change View for this form is 8.32.

2. FORM AND RECORD ENTRIES

2.1 BASE AND CONTROL, ESS UNIT

Enter the Base and Control Number and the Office Name on each record.

2.2 * ACTION

Description: Enter the ATS feature button action ID. For a list of valid entries see Figure 1.

Required Field.

Data Rules:

One and only one SRVCDESC form for each of the ACTIONs in Figure 1 must exist in an office.

2.3 # SERVICE DESC

Description: Enter the ATS Feature Button Action Service Description. There is no lower to upper conversion for characters. In the default data, a text string with all capital letters is for a 5ESS-only feature action, and a text string with mixed upper and lower cases is for a Bellcore-defined feature action; but the customer may overwrite the text string according to local preference. Figure 1 shows the default Service Description for each ACTION.

Required Field.
Valid Entries: 1 - 20 characters

BASE_____CONT GR____   5ESS UNIT _____   PAGE_____

ACTION	SERVICE DESC	SOFTWARE RELEASE
ACBFBP	Call Back	5E9(1) and later
ACCFB	Recall OFF	5E9(1) and later
ACCTUSE	ACCT CODE	5E9(1) and later
ACUFB	Recall ON	5E9(1) and later
AD1CH	CHG SPEED CALL	5E9(1) and later
AD2CH	CHG SPEED CALL	5E9(1) and later
AD1USE	1-DIGIT SPEED CALL	5E9(1) and later
AD2USE	2-DIGIT SPEED CALL	5E9(1) and later
ANSWER	Answer Back	5E12 and later
ARCFB	CANCEL REDIAL	5E9(1) and later
ARSUSE	AUTO ROUTE SEL	5E9(1) and later
ARS1USE	AUTO ROUTE SEL 1	5E9(1) and later
ARS2USE	AUTO ROUTE SEL 2	5E9(1) and later
ARUFB	REDIAL LAST CALL OUT	5E9(1) and later
ATACTMWI	ACT MSG WAIT INDIC	5E9(1) and later
ATDCTMWI	DEACT MSG WAIT INDIC	5E9(1) and later
ATFACT	DENY DN ACC	5E9(1) and later
ATFDCT	ALLOW DN ACC	5E9(1) and later
ATGACT	DENY DN GRP ACC	5E9(1) and later
ATGDCT	ALLOW DN GRP ACC	5E9(1) and later
ATHUSE	AUTH CODE	5E9(1) and later
AUCUSE	AUTO CALL	5E9(1) and later
AWTUSE	AGGREGATE WORK TIME	5E9(1) and later
BNTOG	CALL FWD ON/OFF	5E9(1) and later
BYGP	GRP MAKE BUSY	5E9(1) and later
BYMB	Make Busy	5E9(1) and later
BYPO	POS MAKE BUSY	5E9(1) and later
BYRB	RANDOM MAKE BUSY	5E9(1) and later
CCL	ANSWER CODE CALL	5E9(1) and later
CFBN	CALL FWD W/FWD TO DN	5E9(1) and later
CLWCUSE	CANCEL LEAVE WRD CLG	5E9(1) and later
CNDFBP	CALLING NUMBER DISP	5E9(1) and later
CNPUSE	Name stat toggle	5E10 and later
CONF	Conference Size 3	5E9(1) and later
COTFBP	CALL TRACE	5E9(1) and later
CPNBNFBT	CALL OR BILL NUMBER	5E9(1) and later
CPQ1	Call Pickup	5E9(1) and later
CPQ2	Call Pickup Group 2	5E9(1) and later
CPQ3	Call Pickup Group 3	5E9(1) and later
CPQ4	Call Pickup Group 4	5E9(1) and later
CTT	CALL THRU TEST	5E9(1) and later
CWDLU	Priority Call	5E9(1) and later
DCTMWI	Message Waiting	5E9(1) and later
DLVRMSG	DELIVER MSG	5E9(1) and later
DNPUSE	Number Delivery	5E9(1) and later
DPARK	Directed Call Park	5E12 and later
DPN	Directed Call Pickup	5E9(1) and later
DPU	Pickup Active Call	5E9(1) and later
DQDUSE	DIR QUERY	5E9(1) and later
DROP	Drop Last Call	5E9(1) and later
DTPOTSA	OUTSIDE LINE	5E9(1) and later
ERCO	EXEC RINGER CUTOFF	5E9(1) and later
FLASH	WCTX WIRELESS FLASH	5E10 and later
I1ICOM	INTERCOM 1	5E9(1) and later
I2ICOM	INTERCOM 2	5E9(1) and later
I3ICOM	INTERCOM 3	5E9(1) and later
I4ICOM	INTERCOM 4	5E9(1) and later
IACOF	DENY LINE ACC-ATND	5E9(1) and later
IBSYVFY	BUSY VERIFY	5E9(1) and later
ICANCEL	CANCEL	5E9(1) and later
ICONF	6-WAY CONF	5E9(1) and later
ICRBL1	ICOM RESTR 1	5E9(1) and later
ICRBL2	ICOM RESTR 2	5E9(1) and later
ICRBL3	ICOM RESTR 3	5E9(1) and later
ICRBL4	ICOM RESTR 4	5E9(1) and later
ICRBL5	ICOM RESTR 5	5E9(1) and later

ICRBL6	ICOM RESTR 6	5E9(1) and later
IDNACT	DN CNTL	5E9(1) and later
IDSS	DIR STN SEL	5E9(1) and later
IDTGS	TRK GRP SEL	5E9(1) and later
IEHGS	EXT 100s GRP SEL	5E9(1) and later
IEMEROVR	EMER OVR	5E9(1) and later
IFRLS	FORCED REL	5E9(1) and later
IGACT	GRP CNTL	5E9(1) and later
IHGS	100s GRP SEL	5E9(1) and later
IHOLD	HOLD	5E9(1) and later
IJOIN	JOIN	5E9(1) and later
IME	Change Call Privacy	5E9(1) and later
INIGHT	NIGHT SVC	5E9(1) and later
INSUSE	INSPECT	5E9(1) and later
IRLL	REL LOOP	5E9(1) and later
IRLS	REL	5E9(1) and later
ISCCOF	DENY TRK ACC - CUST	5E9(1) and later
ISPLIT	SPLIT	5E9(1) and later
ISTART	START	5E9(1) and later
LQ1DISP	QUEUE STAT HG XXXX	5E9(1) and later
LQ2DISP	QUEUE STAT HG XXXX	5E9(1) and later
LQ3DISP	QUEUE STAT HG XXXX	5E9(1) and later
LQ4DISP	QUEUE STAT HG XXXX	5E9(1) and later
LQ5DISP	QUEUE STAT HG XXXX	5E9(1) and later
LQ6DISP	QUEUE STAT HG XXXX	5E9(1) and later
LQ7DISP	QUEUE STAT HG XXXX	5E9(1) and later
LQ8DISP	QUEUE STAT HG XXXX	5E9(1) and later
LSP	ANSWER PAGE	5E9(1) and later
LWCUSE	LEAVE WORD CALLING	5E9(1) and later
MRDUSE	STRT/END MSG RET DIS	5E9(1) and later
METOG	Change Call Privacy	5E9(1) and later
NNPRV	Name & num private	5E10 and later
NNPUB	Name & num public	5E10 and later
NRMLUSE	NORMAL DISP	5E9(1) and later
NXTMSG	NEXT MSG	5E9(1) and later
NXTSEG	DISPLAY NEXT SEG	5E9(1) and later
PDTEO	EXEC OVR (DT)	5E9(1) and later
PDTF	FLASH (DT)	5E9(1) and later
PDTFO	FLASH OVR (DT)	5E9(1) and later
PDTI	IMMEDIATE (DT)	5E9(1) and later
PDTP	PRIORITY (DT)	5E9(1) and later
PDTR	ROUTINE (DT)	5E9(1) and later
PFUSE	PVT FACILITIES	5E9(1) and later
PODUSE	PRINT ON DEMAND	5E9(1) and later
PNTEO	EXEC OVERRIDE	5E9(1) and later
PNTF	FLASH	5E9(1) and later
PNTFO	FLASH OVERRIDE	5E9(1) and later
PNTI	IMMEDIATE	5E9(1) and later
PNTP	PRIORITY	5E9(1) and later
PNTR	ROUTINE	5E9(1) and later
QCANC	CANCEL QUEUED CALL	5E9(1) and later
QCBUSY	QUEUE BUSY	5E9(1) and later
QCPCWT	PREC CALL WAITING	5E9(1) and later
QCUSE	NUM OF QUEUED CALLS	5E9(1) and later
QCW1L	CALL WAIT THRESH 1	5E9(1) and later
QCW2L	CALL WAIT THRESH 2	5E9(1) and later
QCW3L	CALL WAIT THRESH 3	5E9(1) and later
QCWARN	QUEUE WARNING	5E9(1) and later
QCWT	CALL WAITING	5E9(1) and later
QCWW	CALL WAITING WARNING	5E9(1) and later
SCAFB	SEL CALL ACCEPT	5E9(1) and later
SCFFB	SEL CALL FORWARD	5E9(1) and later
SCRFB	SEL CALL REJECT	5E9(1) and later
SDAFB	DISTINCT ALERT	5E9(1) and later
SDNUSE	ACCESS PVT NTWK	5E9(1) and later
STPH	Stop Hunt	5E9(1) and later
TCUSE	OFFERED LOAD STATS	5E9(1) and later
TODUSE	TIME & DATE	5E9(1) and later
TOGDCT	Call Forward	5E9(1) and later

TRKUSE	TRUNK GRP ID	5E9(1) and later
TSM	BUSY LAMP FIELD	5E12 and later
XFER	Call Transfer	5E9(1) and later

Figure 1 STANDARD DEFAULT DATA 5E9(1) AND LATER SOFTWARE RELEASES

```
srvcdesc                        5ESS Switch              _
                          OFFICE DATA ADMINISTRATION
(5985)              ATS FEATURE BUTTON  SERVICE DESCRIPTION


*1. ACTION       ACBFBP
#2. SERVICE DESC Call Back
```

Figure 2 SAMPLE SRVCDESC FORM   5E9(1) AND LATER SOFTWARE RELEASES

SEC. 28: ORIGINATING SWITCH CALLING NAME

SEC. 28A: 5986 RECORD
ORIGINATING SWITCH CALLING NAME

1. GENERAL

The 5986 Record is available with 5E13 and later Software Releases. The CNAM form allows calling names (corresponding to calling numbers) to be provisioned on the switch.

1.1 Recent Change View

The corresponding Recent Change View for this form is 4.65.

2. FORM AND RECORD ENTRIES

2.1 BASE AND CONTROL, ESS UNIT

Enter the Base and Control Number and the Office Name on each record.

2.2 CKT TN

Description: Enter the circuit telephone number of the calling party.

Required Field.
Valid Entries: XXXXXXX or NXXXXXXXXX, where N is 2 - 9 and X is 0 - 9

Data Rules:

When the first three digits of the 7-digit CKT TN(s) field are equivalent to an OFFICE CODE on the NOC form, and there is more than one NOC form with the same value for OFFICE CODE, or the NOC form does not exist, then the 7-digit CKT TN must be a 10-digit CKT TN with the NPA/OFFICE CODE defined on the NOC form.

The CNAM form is used by the Originating Switch Calling Name feature which is a secured feature. The ACT field for SFID 318 on the SFSYS form (Record 5713-1) must be set to "Y" before data can be entered on the CNAM form.

When CKT TN(s) are assigned on the CNAM form, the CKT TN(s) must be defined as a TN on the LINE form, a TN on the MLHLN form, a LISTED TN or SUBTN1 on the MLHG form, a CKT TN or CKT MLHG TN on the DSLUSR form, or a secondary only TN on the SHTN form.

When CKT TN(s) assigned on the CNAM form is also defined as a CKT TN on the LINE form with the INTERCEPT field (ICP) equal to "Y", the OE TYPE and NUMBER on the LINE form must be entered.

When CKT TN(s) are assigned on the CNAM form and also defined as a CKT TN on the MLHLN form with the INTERCEPT field (ICP) equal to "Y", the OE TYPE and NUMBER on the MLHGLN form must be entered.

When CKT TN(s) are assigned on the CNAM form and also defined as a CKT TN on the DSLUSR form with the INTERCEPT field (ICP) equal to "Y", the OE TYPE on the DSLUSR form must be entered.

When CKT TN(s) assigned on the CNAM form are also defined as a LISTED TN or SUBTN1 on the MLHG form, MPTYPE on the MLHG form must not be entered and the associated FEATURE NAME on the MLHLN must be "ISAT", "MUPH", or "UCD".

2.3 NAME

Description: Enter the name of the calling party.
Valid Entries: Blank or up to 15 characters

2.4 PRIVACY IND

Description: Is the calling party a private name?

Required Field
Default: N
Valid Entries: Y, N

```
cnam                               5ESS Switch
                            OFFICE DATA ADMINISTRATION
(5986)                   ORIGINATING SWITCH CALLING NAME

*1. CKT TN       _____
 2. NAME         _____
 3. PRIVACY IND N
```

Figure 1 CALLING NAME FORM   5E13 AND LATER SOFTWARE RELEASES