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NEAX 2000 IPS
INTERNET PROTOCOL SERVER

Caller ID/MFC
Features and Specifications

JULY, 2005

NEC Corporation

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NEAX 2000 IPS
Caller ID/MFC Features and Specifications

Revision Sheet 1/1

ND-91638-006(E)

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X = available
– = not available
→ = carried over to next level software
E = enhanced

Introduction

Terms in this document

PBX system name

Usually, PBX system is designated as “PBX” or “system”.
When we must distinguish between PBX systems, they are designated as follows:

2000 IPS: NEAX 2000 IPS
2400 IPX: NEAX 2400 IPX or larger

CALLER ID CLASS

GENERAL DESCRIPTION

This feature receives the calling subscriber's name and number sent from a public network using a MODEM signal. It displays the name or number on LCD of a D^{term} or an Attendant Console.

STATION APPLICATION

All D^{term}s with LCD
DESK CONSOLE
SMART CONSOLE

OPERATING PROCEDURE

To display the calling subscriber's name or number when receiving/answering a call

No manual operation is required.
In case of receiving both the name and the number, system programming can specify which one has priority for display.

To change the name/number display

Every time the Name/Number Display Change key is pushed on the D^{term} or the Attendant Console, the name and number are shown alternately.

To store the subscriber's number for Save & Repeat feature

During a call, push the S&R (Save & Repeat) 0/1/2 key.
The S&R lamp lights if the number has been stored.
In the case that no number has been sent from the public network, the S&R lamp will go off because the number has not been stored.

To redial by Save & Repeat feature

Push the S&R 0/1/2 key after hearing the Dial Tone.

SERVICE CONDITIONS

1. Up to 16 digits of the calling subscriber's name or number can be displayed on the LCD of a D^{term} or an Attendant Console.
2. Up to 16 or 24 digits of the calling subscriber's number can be recorded on the SMDR.
3. Up to 24 digits of the calling subscriber's number can be sent to the OAI computer.
4. The 4RSTC card and the 4COTG/8COTQ card are required for receiving the Caller ID signals.
5. In case of receiving a subscriber's name that differs from the name assigned by system programming, system programming can specify which name has priority.
6. The kind of the ringing tone can be assigned to each calling subscriber's number respectively.

SERVICE CONDITIONS (CONT'D)

7. The destination station in the Day Mode/Night Mode can be specified for each calling subscriber's number.
8. The priority for queuing (when the destination station belongs to an UCD group and all the stations are busy) can be set by each calling subscriber's number.
9. It can be specified whether Call Waiting is set or not by each calling subscriber's number.
10. When the system is in Mode "A" or "B", Caller ID follows Night termination of Caller ID Development Data Assignment.

CALLER ID - STATION

GENERAL DESCRIPTION

This feature enables analog telephones to connect with Caller ID display function, and provides the calling party's number and name on the display without answering incoming calls.
The following information is indicated according to the kind of the calls.

Kind of Calling Party/Network	Displayed Information
Extension / Virtual Extension	Station number or station's name if provided.
PS	Station number or station's name if provided.
ISDN Extension	Station number
Caller ID Class	Calling subscriber's number or Calling subscriber's name
ISDN	Calling subscriber's number or Calling subscriber's name
CCIS	Station's name if provided.
	Calling subscriber's number or Calling subscriber's name
Other trunks	None
Attendant Console	None

STATION APPLICATION

Analog telephones with Caller ID display function (with the Bellcore spec.)

OPERATING PROCEDURE

No manual operation is required.

SERVICE CONDITIONS

1. Following hardware is required.
   a. Using LLC
   --- PN-4RSTF (Sender)
   --- PN-4LLCB (LLC)
   --- PN-PW122 (-48V DC power supply)
   Note: *When PZ-PW135 (-48V DC power supply) is used as a main power, PZ-PW122 is not required.*
   b. Using LC
   --- PN-4RSTF (Sender)
   --- PN-8LCAD (LC) or PN-8LCAE (LC for China)
   Note: *In this case, PN-PW122 (-48V DC power supply) is not required.*
2. Caller ID stations cannot be accommodated in remote PIM.

SERVICE CONDITIONS (CONT'D)

3. Maximum of four PN-4RSTF cards can be accommodated. (Maximum of 16 senders can be accommodated because there are 4 circuits per card.)
   The maximum of 16 calls is available at the same time. However, the number of calls set in CM42 (1st data=02)has priority over the maximum number of simultaneous calls.
4. If all senders are busy, calls will be in progress without displaying calling number and name.
5. When a caller uses a D^{term}, station number of the seized line will be sent as the calling party number.
6. When a caller uses a D^{term}, name display can select either of My line or of seized line, by system data programming.
7. When a call is transferred by Consultation Hold, the display shows the information of the held station/trunk.
8. When a call is terminated by recall (recall bvy Call Transfer, Call Park, etc.), the display shows the information of the held station/trunk.
9. If there is no calling party number to be sent, displaying Caller-ID will be controlled by sender. Reason for Absence of DN (out of area/unavailable(4F)) will be sent this time.
   - Automatic wake up/Timed Reminder
   - Recall of Trunk Queuing - Outgoing
10. Ringing is fixed to be 2 seconds-on and 4 seconds-off. The system data set for other ringing tone sending patterns is ineffective.
    Immediate ringing is restricted. If immediate ringing is set, it will be ineffective.
11. One hit ringer of Call forwarding-All calls should be restricted by any of following system data.
    - CM08 — 1st Dat = 266; 2nd Data = 0: restricted (default is 1: allowed)
    - CM15 YY=81 — 1st Data = Service Restriction Class C; 2nd Data = 0: restricted (default is 1: allowed)

MFC INCOMING CALL

GENERAL DESCRIPTION

This feature allows the system to receive an incoming call from the C.O. with the MFC signaling.

STATION APPLICATION

Not applicable

OPERATING PROCEDURE

No manual operation is required.

SERVICE CONDITIONS

1. The system can receive maximum of 6 digits from C.O. as a station number. If required, the system can convert the received digits to station number by adding and/or deleting the number of digit(s) after the reception of digits from the C.O. Maximum 2 digits can be added or deleted.

2. If the called station is busy or no answer, the incoming call is routed to the Attendant, predesignated station or announcement by system data programming.

3. If the system receives the invalid number (non-existing station number etc.), the incoming call is routed to the Attendant, predesignated station or announcement by the system data programming.

4. The following service features are available for MFC incoming calls.
   - CALL FORWARDING-ALL CALLS/BUSY LINE/DON'T ANSWER
   - CALL FORWARDING-OUTSIDE (ALL CALLS/BUSY LINE/DON'T ANSWER)
   - CALL PICK UP-DIRECT/GROUP
   - DO NOT DISTURB
   - STATION HUNTING
   - UCD
   - DELAY ANNOUNCEMENT-UCD
   - OVERFLOW-UCD
   - OVERFLOW ANNOUCEMENT-UCD
   - CALL WAITING
   - TENANT SERVICE
   - ATTENDANT DELAY ANNOUNCEMENT
   - LISTED DIRECTORY NUMBER DISPLAY-ATTENDANT
   - ATTENDANT NIGHT TRANSFER

SERVICE CONDITIONS (CONT'D)

5. The MFC incoming call is available for the following trunk to trunk connections.

X:Available / —:Not available

Type of Connection / Connection Method	MFC to Tie	MFC to CCIS	MFC to PSTN
Tandem Connection	X	X	—
Remote Access to System	X	X	X
Call Forwarding-Outside	X	X	X

Note 1: *Incoming MFC call to Tie/CCIS network is available when the closed numbering is applied in the Tie/CCIS network.*

Note 2: *When all outgoing trunks or target station in distant PBX is busy, the system send the backward signal "called party idle" to the C.O. and sends the Busy Tone to the calling party.*

6. This feature is applicable for the following countries.

X:Available / —:Not available

Countries	DID with MFC	DOD with MFC	
		without ANI	with ANI
ARGENTINA	X	X	X
BAHRAIN	X	X	X
BRAZIL	X	X	X
CHILE	X	X	X
COLOMBIA	X	—	—
INDONESIA	X	X	X
MALAYSIA	X	—	—
MEXICO	X	X	X
NORWAY	X	—	—
POLAND	X	X	X
SINGAPORE	X	—	—
THAILAND	X	—	—
VENEZUELA	X	—	—

7. Refer to the Appendix 1 for signaling specifications.

MFC OUTGOING CALL

GENERAL DESCRIPTION

This feature allows a station, D^{term} and Attendant to originate an outgoing call to the C.O. with the MFC signaling.

STATION APPLICATION

All stations
DESK CONSOLE
SMART CONSOLE

OPERATING PROCEDURE

1. Lift the handset and receive Dial Tone
2. Dial access code for C.O. and receive pseudo Dial Tone from the system.
3. Dial desired number. Ring Back Tone will be sent from C.O.
4. When the called party answer, the parties are connected.

SERVICE CONDITIONS

1. It is required for the system to assign the number of digits for the outgoing call to the C.O. The system will seize the outgoing trunk and send the dialed number to the C.O. after the station dials the preassigned number of digits. If the calling station does not dial the preassigned number of digits and in the event of the resister timer out, the system will seize the outgoing trunk and send the dialed number to the C.O. and wait the remaining digit(s).
   If the all outgoing trunks are busy, the calling station will not hear the Busy Tone until the calling party dials the preassigned number of digits or resister timer out.

2. It is not available to originate an MFC outgoing call by using the TRUNK LINE APPEARANCE D^{term}.

3. The ANI (Automatic Number Identification) service is available for the following countries.
   - Argentina
   - Bahrain
   - Brazil
   - Chile
   - Indonesia
   - Mexico
   - Poland

SERVICE CONDITIONS (CONT'D)

4. The ANI number sent to the C.O. is contained Local Office Code (1~12 digit(s)) and Station Number (1~4 digit(s)). The ANI number sent by the system is varied depending on the type of the calling party as follows.
   a. If the calling party is station, it is selectable from the following 3 patterns.
   - Only the Local Office Code is sent.
   - Only the Station Number is sent.
   - Both Local Office Code and Station Number are sent.

Note: *When MFC outgoing call is originated from D^{term} Sub Line or Virtual Line, the Sub Line or Virtual Line number is sent to the C.O. as a Station Number.*

   b. If the calling party is Attendant, the Local Office Code is sent to the C.O. The Local Office Code is assigned for each Attendant Group by system data programming.
   c. If incoming trunk call to MFC trunk connection, the Local Office Code is sent to the C.O. The Local Office Code is assigned for each Trunk Route Group by system data programming.

5. The following service features are available for MFC outgoing calls.
   - CALL FORWARDING-OUTSIDE (ALL CALLS/BUSY LINE/DON'T ANSWER)
   - SPEED CALLING-STATION/SYSTEM/ONE TOUCH-D^{term}
   - LAST NUMBER REDIAL
   - STACK DIAL
   - SAVE AND REPEAT
   - OUTGOING TRUNK QUEUING
   - TIMED QUEU-D^{term}
   - PASSING DIAL TONE
   - HOTLINE-OUTSIDE
   - SMDR
   - TOLL RESTRICTION
   - ACCOUNT CODE
   - AUTHORIZATION CODE
   - FORCED ACCOUNT CODE

6. The MFC outgoing call is available for the following trunk to trunk connections.

X:Available / —:Not available

Type of Connection / Connection Method	Tie to MFC	CCIS to MFC	PSTN to MFC
Tandem Connection	X	X	—
Remote Access to System	X	—	X
Call Forwarding-Outside	X	X	X

SERVICE CONDITIONS (CONT'D)

7. This feature is applicable for the following countries.

X:Available / —:Not available

Countries	DID with MFC	DOD with MFC	
		without ANI	with ANI
ARGENTINA	X	X	X
BAHRAIN	X	X	X
BRAZIL	X	X	X
CHILE	X	X	X
COLOMBIA	X	—	—
INDONESIA	X	X	X
MALAYSIA	X	—	—
MEXICO	X	X	X
NORWAY	X	—	—
POLAND	X	X	X
SINGAPORE	X	—	—
THAILAND	X	—	—
VENEZUELA	X	—	—

8. Refer to the Appendix 1 for signaling specifications.

This page is for your notes.

APPENDIX: Specifications by Country

1) Specifications of ARGENTINA

DC	FORWARD GI	FORWARD GII	BACKWARD GA	BACKWARD GB
1	DIGIT 1	SUBSCRIBER W/O PRIORITY	SEND NEXT DIGIT (n+1)	—
2	2	SUBSCRIBER W/ PRIORITY	SEND LAST ONE DIGIT (n-1)	SEND RECORDED MESSAGE
3	3	MAINTENANCE EQUIPMENT	ADRS COMPLETE CHANCE GB	SUBSCRIBER'S LINE BUSY
4	4	OPERATOR	CONGESTION	CONGESTION
5	5	DATA TRANSMISSION	SEND CALLING SUBSCRIBER	UNALLOCATED NUMBER
6	6	—	ADRS COMPLETE SPEECH CONN.	LINE FREE W/ CHARGE
7	7	—	SEND LAST TWO DIGIT (n-2)	LINE FREE W/O CHARGE
8	8	—	SEND LAST 3 DIGIT (n-3)	LINE OUT OF ORDER
9	9	—	SEND LAST DIGIT	—
10	0	—	SEND FIRST DIGIT	—
11	—	—	—	—
12	—	—	—	—
13	—	—	—	—
14	—	—	—	—
15	END OF PULSING	—	—	—

Note 1: *The system sends "GA-3" to the C.O. after the system received all digits of station number from the C.O.*
The system does not send "GA-4" or "GA-6" to the C.O.

2) Specifications of BAHRAIN

DC	FORWARD GI	FORWARD GII	BACKWARD GA	BACKWARD GB	
1	DIGIT 1	SUBSCRIBER W/O PRIORITY	SEND NEXT DIGIT (n+1)	LINE FREE LAST PARTYREL	CHARGE
2	2	SUBSCRIBER W/ PRIORITY	SEND LAST ONE DIGIT (n-1)	CHANGE OF NUMBER	
3	3	MAINTENANCE EQUIPMENT	ADRS COMPLETE CHANGE GB	SUBSCRIBER LINE BUSY	
4	4	COIN BOX. UNIT FEE	CONGESTION	CONGESTION	
5	5	NATIONAL OPERATOR	SEND CALLING PARTY	NUMBER NOT IN USE	
6	6	DATA TRANSMISSION	SETUP SPEECH CONDITION	LINE FREE CHARGE	
7	7	INTERNATIONAL CALL	SEND LAST TWO DIGIT (n-2)	LINE FREE NO CHARGE	
8	8	—	SEND LAST 3 DIGIT (n-3)	LINE OUT OF ORDER	
9	9	—	—	LINE FREE LAST PARTYREL	NO CHARGE
10	0	—	—	—	
11	—	—	—	—	
12	REQUEST NOT ACCEPTED	—	—	—	
13	—	—	—	—	
14	—	—	—	—	
15	DIGIT SIGNAL COMPLETE	—	—	—	

Note 1: *The system sends "GA-3" to the C.O. after the system received all digits of station number from the C.O.*
The system does not send "GA-4" or "GA-6" to the C.O.

3) Specifications of BRAZIL

DC	FORWARD GI	FORWARD GII	BACKWARD GA	BACKWARD GB
1	DIGIT 1	ORDINARY SUBSCRIBER	SEND NEXT DIGIT (n+1)	CALLED PARTY IDLE W/CHARGE
2	2	SUBSCRIBER SP CHARGING	—	CALLED PARTY BUSY
3	3	MAINTENANCE EQUIPMENT	ADRS COMPLETE CHANCE GB	CHANGED No.
4	4	LOCAL PUBLIC CALL BOX	CONGESTION	CONGESTION
5	5	OPERATOR	SEND CALLING SUBSCRIBER No.	CALLED PARTY IDLE W/O CHARGE
6	6	DATA TRANSMISSION	—	UNALLOCATED NUMBER
7	7	—	SEND LAST 2 DIGIT (n-2)	—
8	8	—	SEND LAST 3 DIGIT (n-3)	RESTART LAST 1 DIGIT (n-1)
9	9	—	SEND LAST 1 DIGIT (n-1)	RESTART LAST 2 DIGIT (n-2)
10	0	—	—	—
11	—	CALL TRANSFER	—	—
12	—	—	—	—
13	—	—	—	—
14	—	—	—	—
15	END OF INFORMATION	END OF AVAILABLE INFO.	—	—

Note 1: *The system sends "GA-3" to the C.O. after the system received all digits of station number from the C.O.*
The system does not send "GA-4" to the C.O.

Note 2: *If the system received GII-3, 5, 7, 8 or 9, the incoming call is routed to the Attendant.*

Note 3: *In the event of the following timer out, the system disconnects the MFC resister/sender.*
a. If it exceeds 7 sec. or more, to receive Forward Signal after the system sends the Backward Signal.
b. If it exceeds 7 sec. or more, to receive next Forward Signal after the system detects previous Forward Signal stop.

Note 4: *The system does not sends the "GA-3" with pulse form, but the system can receive the"GA-3" with pulse form.*

Note 5: *If the system receives invalid number or in the case of the called station is busy, the system sends "GB-1" to C.O. and connects the incoming call to Attendant or predesignated station.*

4) Specifications of CHILE

DC	FORWARD GI	FORWARD GII	BACKWARD GA	BACKWARD GB
1	DIGIT 1	SUBSCRIBER W/O PRIORITY	SEND NEXT DIGIT (n+1)	—
2	2	SUBSCRIBER W/ PRIORITY	SEND LAST 1 DIGIT (n-1)	TRANSMISSION SP INFORMATION
3	3	SUBSCRIBER REMOTE BILLING	ADRS COMPLETE CHANCE GB	BUSY SUBSCRIBER
4	4	OPERATOR	CONGESTION	CONGESTION
5	5	DATA TRANSMISSION	SEND CALLING SUBSCRIBER	UNALLOCATED NUMBER
6	6	INTERNATIONAL	ADRS COMPLETE WITH BILLING	UNOCCUPIED SUBSCRIBER
7	7	INTERNATIONAL	SEND LAST TWO DIGIT (n-2)	UNOCCUPIED W/O BILLING
8	8	INTERNATIONAL	SEND LAST 3 DIGIT (n-3)	LINE OUT OF ORDER
9	9	INTERNATIONAL	—	TRANSMISSION SP INFORMATION
10	0	UNIDENTIFIABLE SUBSCRIBER	—	TRANSMISSION SP INFORMATION
11	—	—	INTERNATIONAL	CONGESTION
12	—	—	INTERNATIONAL	CONGESTION
13	—	—	SEND THE TYPE OF CIRCUIT	CONGESTION
14	—	—	—	CONGESTION
15	END OF NUMBERING	—	CONGESTION	CONGESTION

Note 1: *The system sends "GA-3" to the C.O. after the system received all digits of station number from the C.O.*
The system does not send "GA-4" or "GA-6" to the C.O.

5) Specifications of COLOMBIA

DC	FORWARD GI	FORWARD GII	BACKWARD GA	BACKWARD GB
1	DIGIT 1	OPERATOR	SEND NEXT DIGIT (n+1)	LINE FREE W/ CHARGE
2	2	SUBSCRIBER	SEND FIRST DIGIT	
3	3		ADRS COMPLETE CHANCE GB	LINE BUSY
4	4	—	CONGESTION	CONGESTION
5	5	—	CONGESTION	LINE FREE W/O CHARGE
6	6	TEXT EQUIPMENT	SEND ANI	LINE FREE W/ CHARGE (CONTROLLED BY CALLED PARTY)
7	7	—	—	—
8	8	—	—	—
9	9	—	—	—
10	0	—	—	—
11	—	—	—	—
12	—	—	—	—
13	—	—	—	—
14	—	—	—	—
15	END OF NUMBER	—	—	—

Note 1: *The system sends "GA-3" to the C.O. after the system received all digits of station number from the C.O.*
The system does not send "GA-4" or "GA-6" to the C.O.

6) Specifications of INDONESIA

DC	FORWARD GI	FORWARD GII	FORWARD GIII	BACKWARD GA	BACKWARD GB
1	DIGIT 1	NATIONAL OPERATOR	DIGIT 1	SEND NEXT DIGIT (n+1)	LINE FREE (CHARGE)
2	2	NORMAL SUBSCRIBER	2	RESTART FROM BEGINNING	SUBSCRIBER BUSY
3	3	LOCAL PAY PHONE	3	ADRS COMPLETE CHANCE GB	SEND SPECIAL INFORMATION
4	4	INTERNATIONAL OPERATOR	4	CONGESTION	—
5	5	LONG DISTANCE PAY PHONE	5	ADRS COMPLETE SPEECH CONN.	LINE FREE (NO CHARGE)
6	6	NATIONAL TEST EQUIPMENT	6	SEND CALLING PARTY NUMBER	MALICIOUS CALL TRACING
7	7	INTERNATIONAL TEST EQUIPMENT	7	—	UNALLOCATED NUMBER
8	8	CROSS BORDER OPERATOR	8	RESTART LAST 1 DIGIT	LINE OUT OF SERVICE
9	9	INTERNATIONAL PAY PHONE	9	RESTART LAST 2 DIGIT	—
10	0	—	0	—	—
11	REROUTE SP SERVICE SIGNAL	—	—	—	—
12	—	—	—	—	—
13	—	—	—	—	—
14	ACCESS TO TEST EQUIPMENT	—	—	—	—
15	END OF AVAILABLE INFO.	END OF AVAILABLE INFO.	END OF AVAILABLE INFO.	—	—

Note 1: *The system sends "GA-3" to the C.O. after the system received all digits of station number from the C.O.*
The system does not send "GA-4" or "GA-5" to the C.O.

Note 2: *The duration of the Backward Signal sent by the system is 200 ms.*

7) Specifications of MALAYSIA/SINGAPORE

DC	FORWARD GI	FORWARD GII	BACKWARD GA	BACKWARD GB
1	DIGIT 1	OPERATOR	SEND NEXT DIGIT (n+1)	LINE FREE
2	2	SUBSCRIBER	—	LINE BUSY
3	3	LOCAL CALL	ADRS COMPLETE CHANCE GB	—
4	4	—	CONGESTION	CONGESTION
5	5	INTERNATIONAL CALL	—	—
6	6	TEST EQUIPMENT	—	—
7	7	LINE TEST DESK	—	UNALLOCATED NUMBER
8	8	INTERNATIONAL OPERATOR	—	—
9	9	CALL FROM TRANSIT EXCHANGE	—	—
10	0	—	—	—
11	—	—	—	—
12	—	—	—	—
13	—	—	—	—
14	—	—	—	—
15	—	—	—	—

Note 1: *When the system receives GII-1, 5, 7, 8 or 9 signal from the C.O., the incoming call is routed to the Attendant.*

Note 2: *When the system receives GII-2, 3, 4 or 6 signal from the C.O. and the target station is idle, the incoming call is routed to the target station.*

8) Specifications of MEXICO

DC	FORWARD GI	FORWARD GII	FORWARD GIII	BACKWARD GA	BACKWARD GB	BACKWARD GC
1	DIGIT 1	—	DIGIT 1	SEND NEXT DIGIT (n+1)	SUBSCRIBER IDLE W/ CHARGE	SEND NEXT DIGIT (n+1)
2	2	ORDINARY SUBSCRIBER	2	SEND FIRST DIGIT	SUBSCRIBER LINE BUSY	SEND GI FIRST DIGIT CHANGE A
3	3	COIN BOX TELEPHONE	3	ADRS COMPLETE CHANCE GB	—	SEND GII CHANGE B
4	4	TIME AND COST	4	CONGESTION	LINE LOCK OUT	CONGESTION
5	5	—	5	—	SUBSCRIBER IDLE W/O CHARGE	SEND GI NEXT DIGIT CHANGE A
6	6	MAINTENANCE	6	CHARGE GC (ANI)	—	SEND GI SAME DIGIT CHANGE A
7	7	IDENTIFICATION No.2 SUBSCRIBER	7	—	—	—
8	8	IDENTIFICATION No.3 SUBSCRIBER	8	—	—	—
9	9	IDENTIFICATION No.1 SUBSCRIBER	9	—	—	—
10	0	—	0	—	—	—
11	—	—	—	—	—	—
12	—	—	—	—	—	—
13	—	—	—	—	—	—
14	—	—	—	—	—	—
15	—	—	END OF DIGIT	—	—	—

Note 1: *The system sends "GA-3" to the C.O. after the system received all digits of station number from the C.O.*
The system does not send "GA-4" to the C.O.

9) Specifications of NORWAY

DC	FORWARD GI	FORWARD GII	BACKWARD GA	BACKWARD GB
1	DIGIT 1	—	SEND NEXT DIGIT (n+1)	LINE IS FREE CHARGE
2	2	SUBSCRIBER W/O PRIORITY	SEND FIRST DIGIT	SUBSCRIBER LINE BUSY
3	3	—	ADRS COMPLETE CHANCE GB	UNALLOCATED NUMBER
4	4	—	CONGESTION	CONGESTION
5	5	—	SEND CALLING PARTY NUMBER	—
6	6	—	ADRS CONPLETE SPEECH CONN.	—
7	7	—	—	—
8	8	—	—	—
9	9	—	—	—
10	0	—	—	—
11	—	—	—	—
12	REQUEST NOT ACCEPTED	—	—	—
13	ACCESS TO TEST EQUIPMENT	—	—	—
14	—	—	—	—
15	END OF IDENTIFICATION	—	—	—

Note 1: *The system sends "GA-3" to the C.O. after the system received all digits of station number from the C.O.*
The system does not send "GA-4" or "GA-6" to the C.O.

Note 2: *If the system receives non-existing station number, the system sends the "GB-1" to the C.O. and sends the Busy Tone to the calling party.*

10) Specifications of POLAND

DC	FORWARD GI	FORWARD GII	BACKWARD GA	BACKWARD GB
1	DIGIT 1	SUBSCRIBER W/O PRIORITY	SEND NEXT DIGIT (n+1)	—
2	2	SUBSCRIBER W/ PRIORITY	—	—
3	3	MAINTENANCE EQUIPMENT	—	—
4	4	—	CONGESTION	—
5	5	NATIONAL OPERATOR	SEND CALLING PARTY CATEGORY	—
6	6	DATA TRANSMISSION	ADRS COMPLETE SPEECH CONN.	—
7	7	SUBSCRIBER	—	—
8	8	DATA TRANSMISSION	—	—
9	9	SUBSCRIBER W/ PRIORITY	—	—
10	0	OPERATOR FORWARD TRANSFER	—	—
11	—	—	—	—
12	—	—	—	—
13	—	—	—	—
14	—	—	—	—
15	—	—	—	—

Note 1: *The system sends "GA-3"or "GA-6" to the C.O. after the system received all digits of station number from the C.O.*
The system does not send "GB" signals.

11) Specifications of THAILAND

DC	FORWARD GI	FORWARD GII	BACKWARD GA	BACKWARD GB
1	DIGIT 1	OPERATOR	SEND NEXT DIGIT (n+1)	LINE FREE W/ CHARGE
2	2	ORDINALY SUBSCRIBER	SEND FIRST DIGIT	SUBSCRIBER LINE BUSY
3	3	LOCAL COIN BOX	ADRS COMPLETE CHANCE GB	LINE INTERCEPTED
4	4	—	CONGESTION	CONGESTION
5	5	STD-COIN BOX	—	LINE FREE W/O CHARGE
6	6	TEXT EQUIPMENT	SEND CALLER & CHANGE GC	LAST PARTY RELEASE
7	7	LINE TEST DESK	—	—
8	8	INTERCEPTED OPERATOR	—	—
9	9	—	—	—
10	0	IMMEDIATE CHARGE INFO.	—	—
11	—	—	—	—
12	—	—	—	—
13	—	—	—	—
14	—	—	—	—
15	—	NO INFORMATION	—	—

Note 1: *The system sends "GA-3" to the C.O. after the system received all digits of station number from the C.O.*
The system does not send "GA-4" or "GA-6" to the C.O.

Note 2: *When the system receives GII-1, 6, 7, 8 or 9 signal from the C.O., the incoming call is routed to the Attendant.*

12) Specifications of VENEZUELA

DC	FORWARD GI	FORWARD GII	BACKWARD GA	BACKWARD GB
1	DIGIT 1	SUBSCRIBER W/O PRIORITY	SEND NEXT DIGIT (n+1)	PASSING CONTROL TO CALLED PARTY
2	2	SUBSCRIBER W/ PRIORITY	SEND LAST 1 DIGIT (n+1)	SUBSCRIBER LINE BUSY
3	3	TEST EQUIPMENT	ADRS COMPLETE CHANGE GB	SUBSCRIBER LINE BUSY
4	4	COIN BOX TELEPHONE	CONGESTION	CONGESTION
5	5	OPERATOR		
6	6	DATA TRANSMISSION	ADRS COMPLETE SPEECH CONN.	LINE FREE W/ CHARGE
7	7	—	SEND LAST 2 DIGIT (n-2)	LINE FREE W/O CHARGE
8	8	—	SEND LAST 3 DIGIT (n-3)	MAKE BUSY
9	9	—		
10	0	—	CHANGE MFC TO DP SIGNAL	DATA TRANSMISSION EQUIPMENT
11	—	—	—	—
12	NO SUBSCRIBER IDENTIFICATION	—	—	—
13	—	—	—	—
14	—	—	—	—
15	END OF AVAILABLE INFO.	—	—	—

Note 1: *When the system receives "GA-10" or "GB-10" signal from C.O., the system disconnects the incoming trunk.*

Note 2: *The system sends "GA-3" to the C.O. after the system received all digits of station number from the C.O.*
The system does not send "GA-4" or "GA-6" to the C.O.