

Lucent Technologies
Bell Labs Innovations



DEFINITY®

Enterprise Communications Server

Generic 3 Version 4, Issue 6.0

[G3V4i.06.0.070.1 and G3V4r.06.0.070.1]

Change Description

555-230-473
Comcode 108037128
Issue 1
April 1997

Copyright © 1997, Lucent Technologies
All Rights Reserved
Printed in U.S.A.

Notice

Every effort was made to ensure that the information in this book was complete and accurate at the time of printing. However, information is subject to change.

Your Responsibility for Your System's Security

Toll fraud is the unauthorized use of your telecommunications system by an unauthorized party, for example, persons other than your company's employees, agents, subcontractors, or persons working on your company's behalf. Note that there may be a risk of toll fraud associated with your telecommunications system and, if toll fraud occurs, it can result in substantial additional charges for your telecommunications services.

You and your system manager are responsible for the security of your system, such as programming and configuring your equipment to prevent unauthorized use. The system manager is also responsible for reading all installation, instruction, and system administration documents provided with this product in order to fully understand the features that can introduce risk of toll fraud and the steps that can be taken to reduce that risk. Lucent Technologies does not warrant that this product is immune from or will prevent unauthorized use of common-carrier telecommunication services or facilities accessed through or connected to it. Lucent Technologies will not be responsible for any charges that result from such unauthorized use.

Lucent Technologies Fraud Intervention

If you *suspect that you are being victimized* by toll fraud and you need technical support or assistance, call Technical Service Center Toll Fraud Intervention Hotline at 1 800 643-2353.

Federal Communications Commission Statement

Part 15: Class A Statement. This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference, in which case the user will be required to correct the interference at his own expense.

Part 68: Network Registration Number. This equipment is registered with the FCC in accordance with Part 68 of the FCC Rules. It is identified by FCC registration number AS593M-13283-MF-E.

Part 68: Answer-Supervision Signaling. Allowing this equipment to be operated in a manner that does not provide proper answer-supervision signaling is in violation of Part 68 rules. This equipment returns answer-supervision signals to the public switched network when:

- Answered by the called station
- Answered by the attendant
- Routed to a recorded announcement that can be administered by the CPE user

This equipment returns answer-supervision signals on all DID calls forwarded back to the public switched telephone network. Permissible exceptions are:

- A call is unanswered
- A busy tone is received
- A reorder tone is received

Canadian Department of Communications (DOC) Interference Information

This digital apparatus does not exceed the Class A limits for radio noise emissions set out in the radio interference regulations of the Canadian Department of Communications.

Le Présent Appareil Nomérique n'émet pas de bruits radioélectriques dépassant les limites applicables aux appareils numériques de la class A prescrites dans le règlement sur le brouillage radioélectrique édicté par le ministère des Communications du Canada.

Trademarks

DEFINITY is a registered trademark of Lucent Technologies in the United States and throughout the world.

Ordering Information

Call: Lucent Technologies Publications Center
Voice 1 800 457-1235 International Voice 317 361-5353
Fax 1 800 457-1764 International Fax 317 361-5355

Write: Lucent Technologies Publications Center
P.O. Box 4100
Crawfordsville, IN 47933

Order: Document No. 555-230-473
Comcode 108037128
Issue 1, April 1997

You can be placed on a Standing Order list for this and other documents you may need. Standing Order will enable you to automatically receive updated versions of individual documents or document sets, billed to account information that you provide. For more information on Standing Orders, or to be put on a list to receive future issues of this document, please contact the Lucent Technologies Publications Center.

European Union Declaration of Conformity

The "CE" mark affixed to the DEFINITY equipment described in this document indicates that the equipment conforms to the following European Union (EU) Directives:

- Electromagnetic Compatibility (89/336/EEC)
- Low Voltage (73/23/EEC)
- Telecommunication Terminal Equipment (TTE)
i-CTR3 BRI and i-CTR4 PRI

For more information on standards compliance, contact your local distributor.

Comments

To comment on this document, return the comment card at the front of the document.

Acknowledgment

This document was prepared by the Product Documentation Development group, Lucent Technologies, Denver, CO.



Highlights

This change description document describes the changes incorporated in DEFINITY Enterprise Communications Server (ECS), G3V4, Issue 6.0 [G3V4i.06.0.070.1 and G3V4r.06.0.070.1].

Some of the new enhancements and features are described in this section.

Abbreviated Dialing (AD) Softkey Labels

Abbreviated dialing softkey labels now have the last two characters as the button number and every label is unique. The Italian labels have **NBr** on them followed by the button number. The user-defined labels have the last two characters positions administered with blanks and are reserved for the button numbers.

ASAI-Based AUDIX

ASAI-based CTI AUDIX applications can now monitor skill hunt groups configured with EAS AUDIX ports because the restriction to set the "Vector?" field to γ for an AUDIX skill hunt group (and only for this particular type of skill hunt group) is removed.

Announcements

Executing the **list integrated-annc-boards** command now results in showing announcements that are administered but have a zero length (are not recorded).

Charge Advice Information (Spain and Italy)

Advice of Charge information received for outgoing ISDN calls in Spain and Italy is processed and recorded in CDR.

Display Capacities Form

Page 4 of the Display Capacities form now shows how many busy indication buttons are administered.

Hospitality

On a G3r system, any number of users can perform the **list emergency** and **list wakeup station** commands.

Hunt Group Multiple Call Handling (MCH)

When an attendant agent is on a personal call, an incoming call to the hunt group in which the attendant is logged into rings at the attendant when the personal call is placed on hold and the hunt group MCH option was set to `none`.

International (Israel)

Israel R2 MFC maintenance calls are now supported.

ISDN PRI ANI

When an incoming PRI call was tandemed over a DCS+ trunk to a vector, vectoring ANI conditionals can now be used to direct the call.

Message Sequence Tracer (MST)

CMS messages can now be logged to the MST buffer as separate messages as well as within X.25 messages.

Multifrequency Compelled (MFC) Calls

Administration and call processing now support MFC international calls to central office (CO) and directory assistance operators.

Queue-Status Buttons

Customers can now administer more than 2000 queue-status buttons.

Security Violation

Security Violation calls now ring stations that are bridged to the primary extension when no announcement is assigned.

Zip Tone

Zip tone is now one of the administrable tones on the change system country form. Previously, zip tone was fixed at 480 Hz, -17 dB, 500 ms.

Index of Changes

The following lists the item numbers of the features and categories that are affected by the changes, modifications, and enhancements that are described in the next section.

Feature or category See item numbers

Numerics

8400-series terminals 70

8500-series terminals 70

A

Abbreviated Dialing (AD) 87, 115

Adjunct-Switch Application Interface (ASAI) 22, 27, 33, 53, 69, 82, 86, 105, 118

Administration 11, 14, 15, 24, 25, 28, 33, 37, 45, 50, 54, 56, 61, 63, 65, 72, 84, 85, 87, 88, 89, 98, 99, 106, 109, 111, 113, 115, 127, 128, 130, 140

Administration Without Hardware (AWOH) 11, 28, 106, 140

After Call Work (ACW) 51, 54

Agent form 50

Agent Login ID form 121

Agents 3, 26, 39, 49, 50, 54, 59, 75, 92, 95, 101, 102, 112, 114, 116, 118, 121, 124, 133, 141

Agent-Status Value query 54

Alarms 36, 57, 76, 78, 131

Analog Stations 18, 117

Announcements 2, 19, 38, 39, 48, 61, 65, 111, 128, 129, 141

Attendant consoles 89

Attendants 23, 89, 101, 123, 133

Audits 38

AUDIX 7, 14, 40, 51, 75, 76, 90, 118, 120, 136

Authorization Codes 110

Auto-Answer 26

Auto-available splits (AASs) 50, 80

Automatic Alternate Routing (AAR) 34, 122

Feature or category See item numbers

Automatic Call Assurance (ACA) 108

Automatic Call Distribution (ACD) 3, 12, 25, 26, 31, 38, 39, 42, 46, 48, 49, 50, 59, 62, 63, 69, 81, 84, 85, 95, 101, 102, 133

Automatic Exclusion 72

Automatic Number Identification (ANI) 62, 142

Automatic Route Selection (ARS) 122

B

Backups 65

Basic Call Management System (BCMS) 10, 59, 132

Basic rate interface (BRI) 4, 11, 17, 47, 73, 93, 97, 110, 119

B-channels 73

Bridging 30, 106, 129, 140, 141

C

Call Classification 69, 105

Call Detail Recording (CDR) 8, 16, 74, 89

Call Management System (CMS) 10, 59, 60, 84, 87, 112, 114, 124, 132

Call Park 123

Call Pickup 141

Call Processing 127

Call Prompting 31

Call Reference Values (CRVs) 4, 43

Call Vectoring 23, 38, 39, 42, 69, 84, 85, 87, 90

Calling party numbers (CPNs) 1

Capacities 24, 25, 68, 83, 95, 130

Central office (CO) 67, 127, 142

Centralized Attendant Service (CAS) 89

Feature or category See item numbers

Change Circuit form	109
Change System Country form	63
Change Vector form	85, 87
Class of Restriction (COR)	42, 69, 92, 116, 120
Conference	13, 17, 41, 46, 81, 108, 112
Coverage	30, 40, 48, 77, 90, 104, 106, 107, 114, 122, 125, 134
Customer-Options form	33

D

Data modules	4, 8, 11, 44
Data Origination	117
Data Privacy/Restriction	12
D-channels	9
Digital Communications Protocol (DCP)	66
Digital Stations	27
Digital stations	7, 13, 27, 41
Digital-terminal data modules (DTDMs)	66
Direct Inward Dialing (DID)	23
Directory Assistance	127
Display Capacities form	25, 68, 130
Displays	10, 13, 29, 31, 70, 87, 95, 107, 121, 137
Display-type commands	44, 61
Distributed Communications System (DCS)	22, 34, 40, 62, 86, 104, 107, 120, 134
DS1	35, 37, 67

E

ECMA	94
Electronic tandem networks (ETNs)	104
Error codes	37, 38, 67, 79
Expansion interfaces (EIs)	139
Expansion port networks (EPNs)	36, 55, 64, 103
Expert Agent Selection (EAS)	3, 49, 50, 51, 54, 59, 75, 116, 118, 121

Feature or category See item numbers

F

Feature access codes (FACs)	3
Foreign Exchange (FX)	67

H

Hold	41, 126, 133
Hospitality	6, 21
Hotel/Motel	6, 21
Hunt groups	14, 51, 80, 101, 118, 135, 141

I

Inads	5
Information elements (IEs)	22, 43, 105, 121
Initialization	15, 28, 29, 72, 97, 113, 119, 140
Integrated Directory	29
Integrated Services Digital Network (ISDN)	1, 9, 13, 22, 34, 43, 62, 74, 86, 96, 107
International	9, 20, 74, 115, 127, 142, 143

L

Leave Word Calling (LWC)	75
Logical agents	102
Logins	5, 49, 50, 55, 59, 92, 95, 102, 121
LookAhead Interflow	22

M

Maintenance	8, 35, 36, 37, 52, 57, 58, 64, 67, 78, 79, 100, 103, 111, 131, 143
Malicious Call Trace (MCT)	125
Measurements	33, 114, 124, 132
Message Retrieval	70, 75, 77, 137
Message Sequence Tracer (MST)	60, 91
Modem pools	117
Multifrequency-Compelled (MFC) calls	20, 127, 143
Multiple Call Handling (MCH)	101, 133
Multiquest calls	53, 71

Feature or category	See item numbers	Feature or category	See item numbers
N		Special processing elements (SPEs)	111
Night Service	135	Special-Applications form	33
O		SPID	97
Operational Support System Interface (OSSI)	35	Splits	26, 50, 80, 114, 124, 133
P		Switch-classified calls	105
Paging	123	System access terminals (SATs)	35, 52, 55, 65, 72, 87, 111
Port carriers	139	System-Parameters Customer-Options form	56
Port network connectivity (PNC)	139	System-Parameters Features form	132, 140
Port networks (PNs)	76	T	
Power	103, 139	Terminal Translation Initialization (TTI)	15, 28, 29, 72, 113, 119, 140
Primary rate interface (PRI)	9, 43, 62, 86, 96	Testing	8, 35, 51, 58, 64, 78, 79, 103, 131, 144
Privacy Exclusion	117	Tie trunks	67, 122
Procedure errors	2, 34, 37, 81, 84, 92	TN2181 circuit packs	144
Processor data modules (PDMs)	44	TN2224 circuit packs	144
Processor port networks (PPNs)	64	TN573B circuits packs	109
Property Management System (PMS)	6, 21, 83, 138	TN744v7 circuit packs	79
Q		Tones	3, 19, 45, 46, 48, 49, 63, 80, 104, 105
Queues	24, 25, 80, 141	Transfer	7, 12, 17, 27, 32, 39, 41, 46, 108, 136
R		Transfer Out of AUDIX	7, 136
Redirect on No Answer (RONA)	80	Transit Counter	94
Redirection	16, 80, 133	Translations	11, 128, 140
Release link trunks (RLTs)	89	Trunk access codes (TACs)	9
Remote Access	7, 40, 120, 122, 135	Trunks	9, 13, 18, 34, 62, 67, 86, 89, 90, 112, 122, 135
Remote Coverage	122	U	
Resets	13, 28	Uniform Dialing Plan (UDP)	49
Restarts	10, 43	Upgrades	28, 65
Routing	23, 34, 82, 90, 116, 122	User-to-User Interface (UUI)	86
S		V	
Security	129	VDN of origin announcements (VOAs)	2, 38, 141
Security Violations	129	Vector directory numbers (VDNs)	2, 26, 38, 39, 42, 48, 69, 80, 81, 90, 92, 107, 116, 141
Send All Calls (SAC)	30, 106		
Service Observing	2, 12, 42, 46, 81, 92, 116		
Signaling	18, 20		
Skills	50, 54, 118, 133		

Feature or category See item numbers

Vectors 2, 23, 38, 39, 42, 62, 69, 80,
81, 85, 90, 92, 107, 118, 126,
141

Voice response units (VRUs)12

W

Wakeup reports 6, 21

Warmstarts 120

Work modes 3, 51, 54

World Class basic rate interface (WCBRI)93, 97, 110

Feature or category See item numbers

Change Descriptions

The following problems are corrected and addressed in DEFINITY Enterprise Communications Server (ECS), G3V4, Issue 6.0.

1. The CPN for a 5-digit extension was not sent if there was a 4-digit extension that matched the first four digits of the 5-digit extension defined on the ISDN Public-Unknown-Numbering form.
2. When a service observer pressed the "voa-repeat" button, a procedure error was generated, although the feature worked.
3. In an EAS environment, when using a FAC to change to the auxiliary work mode, the line appearance was not dropped correctly and intercept tone was heard.
4. On BRI data modules, when a release message with Global CRV was received, the DEFINITY switch sent a status message back, causing an infinite loop between the DEFINITY switch and the data module. Now, the DEFINITY switch sends back a release complete message.
5. Technicians were unable to log in to the SYSAM debugging interface if the Inads login was greater than seven characters.
6. On a G3r system, no more than six users could perform the **list emergency** or **list wakeup station** commands. Now, any number of users can perform these commands.
7. If a trunk caller executed a Transfer Out of AUDIX operation with ports translated as digital stations and dialed the remote access number, the transfer was denied.
8. The data link did not come up when translated with the remote looparound test.

9. Outside the United States, if a customer dialed the TAC of an ISDN-PRI trunk group followed by a number that included the digit 9, the 9 was sometimes not sent correctly over the D-channel. Therefore, the call did not go through because one or more of the digits was missing.
10. A system restart could occur if the update key was used over a long period of time to refresh the display of a single **monitor bcms** command.
11. A user could put **x** in the port field of a BRI data module when duplicating a data module (using the **duplicate data-module** command) with a port that led to corruption because AWOH was not supported for BRI data modules.
12. When a station or VRU with data restriction transferred a call to a party who was being service observed, even after the restricted party completed the transfer, the observer could not observe the call.
13. A 3-party conference with an ISDN trunk with the outgoing display equal to **n** could, in some cases, cause a system reset.
14. Users were allowed to administer more than one AUDIX hunt group on a G3 si/vs machine when administration of only one machine was valid.
15. TTI did not always allow a customer to merge sets because the merge table was full.
16. A trap could occur in handling an intraswitch call when the principal-called station was not being alerted because of redirection features.
17. When a BRI station is optioned with "Auto Select Any Idle Appearance?" set to **y**, it correctly searches for an idle appearance in response to a conference or transfer button push. If there was no idle appearance of the extension selected when the conference or transfer button was pressed, other extensions assigned to the station were not correctly searched for an idle appearance.
18. On an G3r system, a rotary station did not end-to-end signal over a trunk or to another analog station.
19. When recording an integrated announcement, keypad tones were also recorded, including the pound (#) sign, which could be used to terminate the recording session.
20. A 3-second delay of the listening path to the caller was experienced when an operator in the emergency service answered a call from DEFINITY in the central bank in Moscow in Russia. Now, there is no delay.
21. Wake-up reports caused the system to hang.
22. LookAhead Interflow IEs were lost on an ASAI link if the call was DCS over ISDN. When the call was originated off the DCS network and arrived at the switch via a DCS/ISDN trunk, the calling party number was not available.
23. When a DID no answer (NATO) timer expired while a call was in vector processing, the call was routed to an attendant.

24. Customers could not administer more than 2000 queue-status buttons.
25. There was no information to show how many queue-status buttons had been administered. Now, the Display Capacities form shows this information.
26. When a station covered to VDN that queued to multiple splits and was then auto answered by an agent in a backup split, the answer attempt failed.
27. Recall dial tone was provided to ASAI Domain Controlled digital sets when manual transfers were performed from the digital sets. Now, normal dial tone is provided.
28. Corruption of stations could occur on an G3r system when TTI was used extensively without a system reset or upgrade.
29. The string "PORT, TTI" was sometimes displayed when using the integrated directory.
30. If a call to a station with a bridged appearance that had SAC active was sent to coverage.
31. If a station had "user-defined" display language, the automatic callr-info display showed ***** instead of the user-defined string.
32. After a failed transfer, the original call was sometimes locked up and could not be unheld.
33. The ASAI Internally Measured Data feature was administered on the ASAI Capabilities page of the customer-options form. Now, this feature is administered on the second page of the special-applications form.
34. When AAR calls were made over a DCS+ trunk, DCS over ISDN trunk, procedure errors were incorrectly generated.
35. When using the OSSI for a SAT connection, entering **test ds1-loop** followed by pressing the HELP key caused the switch to drop the connection.
36. A tone clock alarm could be raised on the nonexistent side of an EPN.
37. Procedure errors occurred following the **add ds1** command with no board inserted. Now, this command causes the board to be administered as uninstalled and disables maintenance after marking the script state uninstalled.
38. Software errors were generated when the call record audit occurred when a VOA was playing or when a user dropped while the VOA was playing.

39. When the following occurred
 - an agent transferred a caller to a VDN
 - the vector prompted for digits
 - the agent provided one or more digits, but did not supply all the digits
 - the agent's digits were discarded before completing the transferthe caller heard the collect announcement and could enter digits.
40. DCS call coverage from a station on a different node through DCS covered to AUDIX, gave the extension number or name of the last remote station on the DCS node in the coverage path. Now, AUDIX gives the originator's extension number.
41. If a misoperation occurred while doing a conference or transfer, a Type I (answered public network call) call on hold remained on hold instead of alerting the digital station.
42. If a service observing VDN was used at any time to do a service observing activation, the COR of the originator's extension was used instead of the COR of the VDN. Now, the COR of the last entity to route the call is used to determine originator's permission to service observe, and this matches the customer documentation.
43. When a service, service acknowledgment, restart, or restart acknowledgment message with a global call reference value and a missing mandatory IE was received on the PRI, the resulting processing error indicated the message causing the failure was a status message. Now, the resulting processing error indicates which of these four message types caused the failure.
44. Executing a **status data** command on the secondary PDM displayed the status for the primary PDM. Now, executing this command on the secondary PDM displays the status for the secondary PDM.
45. When network feedback was set to `no`, network feedback and tone detection were the only characters in the inserted string that could be heard. Now, the tones are not heard.
46. If a conference or transfer was occurring between two calls that were being service observed by separate observers, the conference or transfer was blocked, regardless of warning tone.
47. An invalid value left in a BRI data extension's data structures caused similar values to be rejected for active and valid calls, resulting in hung facilities when clearing the call was attempted.
48. Ringback tone could be heard over announcements when calls covered to an ACD VDN.

49. If an EAS agent's login ID was administered as a UDP code with UDP codes checked first in the dial plan, an attempt to log in that agent resulted in a dead phone with no indication of the status of the login attempt. Now, intercept tone is heard and the login attempt is denied.
50. When an agent was logged into a non-AAS skill and then had their administration of that skill changed to a different skill on the agent form, changing the AAS skill they were logged into to was allowed and caused the agent to not be able to log out. Now, a skill cannot be changed from non-AAS to AAS if an agent is logged into the skill.
51. If an AUDIX port went into the ACW state in an EAS hunt group, the port was stuck in that state. It had to be busied-out and released to work.
52. Canceling out of a **test**, **busyout**, or **release trunk** command could cause the SAT to stop processing commands.
53. If an ASAI adjunct requested a billing change on a multiquest call with Flexible Billing available, the change was sent to the network (4ESS), but the reply from the network was not sent to the ASAI adjunct.
54. In an EAS environment, the Agent-Status Value query response sent the status of the agent in the first administered agent's skill regardless of agent activity. This resulted in reporting the agent as available when the agent was in the ACW mode on a skill other than the first administered one. Now, the Agent Status Value Query responses contains the status of the agent in reference to the skill over which the agent received the last serviced call. Therefore, if the agent goes to the ACW mode, the response indicates this agent state.
55. Using more than one EPN maintenance SAT connection could cause the loss of system resources and result in lower limits on the number of SATs that could log in to the system. Now, the documented limits apply.
56. The **change system-parameters customer-options** command did not work correctly for G3 vs/si systems.
57. The 28th alarm was not printed when there were 28 alarms.
58. The **test spe** operation could fail to execute correctly.
59. In an EAS environment, when the BCMS agent table was full but less than the maximum number of agents were logged in and an agent who was not in the table attempted to log in, the new agent was allocated the first entry in the table that was currently allocated to a logged out agent. Now, the new agent is allocated the entry currently allocated to the least recently logged in agent (the agent who is logged out for the longest time).
60. MST CMS messages could be logged to the MST buffer only within X.25 messages. Now, CMS messages can be logged to MST as separate messages.
61. The command **list integrated-annc-boards** did not show announcements that were administered, but had a zero length.

62. When an incoming PRI call was tandemed over a DCS+ trunk to a vector, vectoring ANI conditionals could not be used to direct the call.
63. Zip tone was fixed at 480 Hz, -17 dB, 500 ms. Now, zip tone is one of the administrable tones on the change system country form.
64. Test 651 failed on a switch with duplicated PPN and simplex EPN.
65. The SAT **backup disk** command did not save the announcement file to tape if a blank factory-formatted tape had a creation date that was newer than the announcement file on the disk. Now, a valid announcement file is written unconditionally to a blank factory-formatted tape.
66. Calls to a data extension DTDM in which the digital communications protocol (DCP) link was out of service rang. Now, these calls return busy tone.
67. The "no tip on ground on outgoing calls" in-line error was not logged in the error log for FX/ground-start DS1 trunks. The software was incorrectly mapping these trunks into tie-DS1 trunks rather than CO-DS1 trunks. Now, this error is logged in the error log with error code 1, "auxiliary data 57408," for FX/ground-start DS1 trunks.
68. The "Stations Without Port:" field on the Display Capacities form sometimes displayed erroneous values.
69. Switch-classified calls launched from a VDN were disconnected when the far-end answered the call if COR 1 was restricted to call the COR assigned to the VDN.
70. When an aut-msg-wt button was pressed on any set with a display, the set was taken out of the normal mode and put in the message retrieval mode. The set stayed in this mode indefinitely until the normal mode, or exit button on an 8400- or 8500-series set was pressed. Now, a 60-second time limit is put on the message retrieval mode. If the user does not push either the next message or the delete message within the 60-second time limit, the service mode returns to normal. The message retrieval mode is exited as if the user had pressed the exit or normal button.
71. Flexible billing information was not successfully transmitted to the 4ESS for multiquest calls.
72. The SAT could go in a state in which no transactions could take place for 30 minutes if the Automatic Exclusion feature was activated and stations with exclusion buttons were being merged with ports using TTI.
73. If a BRI data module was active on both B-channels, there was the possibility to attempt to terminate a third call to the set.
74. The DEFINITY switch ignored "Advice of Charge" information received for outgoing ISDN calls in Spain and Italy. Now, this information is processed and recorded in CDR.
75. Logged-in EAS agents could not press the "message retrieval" button and then the "Next" button to retrieve any LWC messages (or indications of waiting AUDIX messages).

76. Calls to AUDIX on a port network with only a few fiber timeslots available could cause minor alarms on the system links.
77. If a user executed a **coverage message retrieval** operation followed by a Q-call or Q-time request, touch-tone dialing from the dial pad was disabled until the user pressed the normal button.
78. External alarm tests did not respond to the testing commands correctly -- the tests always passed.
79. A hardware double failure on the TN744v7 board caused Test 42 to abort with no error code. Now, when this double failure occurs, the error code 2006 is given with the abort message.
80. The RONA feature with a VDN destination for redirection works correctly when redirecting to auto-available splits (AASs). Previously, the caller received intercept tone instead of queuing to the second AAS group after the call RONAed in the first AAS hunt group that redirected to a VDN whose vector had a route-to step to the second AAS group. This made the second AAS group appear as if it had no agents in it.
81. Conferencing to a VDN that was being observed resulted in multiple observers on the call and a procedure error.
82. Route requests performed over the eighth ASAI link could fail to send the messages to the adjunct because of buffer exhaustion.
83. The G3r switch only allowed 1,600 wakeup requests per system. Now, 15,000 wakeup requests are allowed.
84. When a CMS vector administration command conflicted with a switch command, the CMS error message could be unclear, and the switch could generate procedure errors.
85. When using the **edit vector** capability within the change vector form, deleting step 32 caused an edit error and the change could not be completed.
86. If a UUI was included with DCS calls over ISDN PRI trunks, and those calls were monitored by the ASAI, the UUI could be corrupted in the ASAI event reports for those calls. Depending on the mix of DCS and non-DCS calls, the problem could appear to be in some, all, or none of the DCS calls.
87. Simultaneously changing a station with enhanced AD and changing a vector step led to database contention and the message "cha station xxxx has data locked" and submittal of the change vector form being denied.
88. On an G3r switch, two change station commands executed on stations with ports on the same board led to the message 20 "data locked" and denial of the second simultaneous transaction.
89. Problems could occur with CDR if the console parameters for the CAS branch were administered with a nonexistent release link trunk. Now, there are validations and warnings to prevent this from happening.

90. If a trunk group's night destination was a VDN, and that VDN terminated on a vector that did a route-to step (either digits or number) with coverage set to *y*, and the destination covered to AUDIX, the AUDIX greeting was associated with the night destination VDN, rather than the route-to destination.
91. The generic filtering function of the MST feature did not filter long MST messages correctly under some circumstances.
92. If a VDN was used to activate service observing for a login ID, and "Direct_Agent_Calling" was set to *y* for the COR, a useless procedure error was printed.
93. The DEFINITY switch was sending MIM messages to World Class BRI endpoints.
94. Only name and number identification were supported for ECMA. Now, the Transit Counter feature is also supported.
95. The **display capacity** command did not display the entities used and available, only the system limits, except for "Logged-In Agents." Now, all of the ACD entities are displayed with "used" and "available" values.
96. ISDN PRI facilities may become exhausted because of state mismatches on either side of an interface. Now, correct disconnect procedures are followed and facilities are correctly released.
97. The process of initializing a World Class BRI data module requiring SPID initialization could be a problem for an unrelated non-ISDN data call.
98. The **list station port** operation **xxAyy** where **xx** is 10 -1 9 and **yy** is 17 - 19 did not work.
99. Some very long list commands hung after running for awhile.
100. The **monitor sys view|view2** operation failed.
101. If an attendant agent was on a personal call, an incoming call to the hunt group in which the attendant was logged into did not ring at the attendant when the personal call was placed on hold and the hunt group MCH option was set to *none*.
102. When logging in a logical agent, if an adjunct sent a third-party take control request during the login attempt, the login attempt failed.
103. Running the **test environment** operation restored power temporarily to port carriers in an EPN that had lost AC power and the power to port carriers had been turned off.
104. If the second DCS coverage endpoint in the path was busy, the caller heard busy and ringback tones at the same time. Now, the caller only hears ringback tone.

105. When switch-classified (predictive dialed) calls were launched and the network sent progress messages with cause IEs to inform the DEFINITY switch that a special information tone (SIT) tone was being played in-band, the DEFINITY switch ignored the cause IEs included in the message and let the classifier board determine the outcome of the call. In some instances, the classifier board classified the call incorrectly. Also, if a disconnect message with the progress indicator "information available in-band" was sent along with a SIT cause IE or "user busy" information, the DEFINITY switch left the call up until the ring-timeout cleared the call.
106. Send all calls buttons for a specific extension did not send calls of the specified extension to coverage if that button was on a station with a bridged appearance of the specified extension and that extension was administered without hardware.
107. If a call covered to a station in a DCS network over an ISDN DCS trunk and went unanswered at that coverage point so that it was then routed to the next coverage point and that coverage point was a local VDN that executed a route-to step to a local station, that station's display showed "UNKNOWN" for the principal's name. Now, the principal's name is displayed.
108. If an ACA call was conferenced or transferred, the feature was blocked from making another call.
109. TN573B circuits packs showed "circuit pack conflict" on the Change Circuit form. Now, the B suffix appears in the "suffix field" and no conflict is shown.
110. When a WCBRI station accessed the Authorization Codes feature, the switch sometimes sent a redirect message to the station, which the station considers as an error.
111. A **save announcement** command issued from a remote SAT occasionally failed on the SPE standby.
112. On a meet-me conference of a ringing CMS measured agent and a CMS measured trunk, if the trunk dropped before the agent answered, an abandon was recorded even though two parties remained on the call.
113. Administration could become locked up if a user did a TTI transaction in an unusual way, such as pressing drop immediately after the extension number. Now, administrative lockups are significantly reduced.
114. When a personal call to a CMS measured agent covered to a measured split and the caller abandoned before an agent in the split answered, CMS aborted tracking of the call.
115. Abbreviated dialing softkey labels now have the last two characters as the button number and every label is unique. The Italian labels have **NBr** on them followed by the button number. The user-defined labels have the last two characters positions administered with blanks and are reserved for the button numbers.

116. When observing a VDN that did a route-to operation to an EAS agent, the wrong COR was used and observing was allowed and denied incorrectly.
117. With the Privacy Exclusion feature turned on, when an analog station originated a data origination call, a modem pool was not inserted.
118. ASAI-based CTI AUDIX applications could not monitor skill hunt groups configured with EAS AUDIX ports because ASAI was unable to monitor vector-controlled hunt groups (which is required for an EAS skill). Now, ASAI-based CTI AUDIX applications can monitor skill hunt groups configured with EAS AUDIX ports because the restriction to set the "Vector?" field to *y* for an AUDIX skill hunt group (and only for this particular type of skill hunt group) is removed.
119. Using TTI to move BRI stations from port to port caused corruption.
120. Station or trunk calls to a remote AUDIX hunt group extension that were COR restricted from accessing the DCS trunk group that was used to route the call to the remote switch caused the switch to perform a software request 1 warm start. Now, the call terminates successfully to the remote AUDIX.
121. When a logged-in EAS agent was the originating party for an ISDN PRI trunk call, the agent's login ID UID was placed in the "Calling Party Number" IE regardless of what the option setting was of the "LoginID in ISDN Display?" field on the Agent Login ID form. Now, the agent's login ID UID is only placed in the "Calling Party Number" IE if the option the "LoginID in ISDN Display?" field on the Agent Login ID form is set to *y*.
122. If a remote coverage call covered using an AAR/ARS digit analysis pattern that expected a range of digits, the call did not complete when the call routed over a tie or ISDN trunk group. Now, the call covers to the remote point.
123. If a call was parked on the shared extension and "Deluxe Paging" was set to *n*, the parked call on timeout recalled to the same attendant who parked the call.
124. When a call to a CMS measured agent covered to a CMS measured split and was abandoned before an agent in the split answered CMS, tracking of the call was aborted.
125. If a call covered to coverage and the coverage point activated MCT (with the recorder option), the coverage point was dropped from the call.
126. Vector calls to a station that were answered and put on hold sometimes went into a state in which the user could not retrieve the held call. The vector had to have one or more collect digit steps.
127. Administration and call processing did not support MFC international calls to CO and directory assistance operators.
128. An administered cabinet that had announcements translated on that cabinet could be removed on a G3r system.

129. Security Violation calls only rang stations that were bridged to the primary extension when no announcement was assigned.
130. There was no way to know how many busy-ind buttons were administered. Now, page 4 of the Display Capacities form shows this data.
131. The test alarm clear operation did not work.
132. A user could enter blank in the "BCMS/VuStats Measurement Interval" field on the system-parameters features form.
133. Attendant agents in many-forced MCH splits or skills who placed ACD calls on hold could have those calls redirected to other agents in that split or skill when the timed reminder on hold expired.
134. A call placed to a station that covered over DCS was unable to be picked up by a station on the other node.
135. Calls to a hunt group with no members assigned that were in night service and the night service extension covered to a remote destination, failed and caused a software request 1 if the calling party was restricted access to the outgoing trunk group.
136. A *Transfer Out of AUDIX operation sometimes failed.
137. Users were unable to retrieve messages using the aut-msg-wt button. The station display showed "MESSAGE RETRIEVAL DENIED."
138. Messages from PMS that requested some action on a room with the room being the extension number without the prefix digit failed with the reason "invalid extension." The system was translated to not expect a prefix digit from the PMS.
139. On global power units in which battery disconnect was not supported, power to port carriers was restored. Also, with duplicated PNC, if an active EI was in a port carrier, power loss eventually caused power to be restored to port carriers when the link was moved to the control carrier.
140. If an AWOH station bridged to a real station was up on a call when TTI was turned off on the system-parameters features form, corruption resulted.
141. When a call comes into a VDN with a VDN-of-origin announcement, the call queues to a hunt group and rings an agent. If the agents in the hunt group have bridged appearances of each other and are in a call pickup group, when one the other agents presses the call pickup button, that agent was connected to all the other agents who are currently on calls.
142. Russian COs received the entire ANI if requested from the DEFINITY switch. Now, Russian COs receive a maximum of seven digits per their request.
143. Israel R2 MFC maintenance calls were not supported.
144. Loopback tests for the TN2181 and TN2224 circuit packs caused persistent aborts.