Lucent Technologies
Bell Labs Innovations

DEFINITY®
Enterprise Communications Server
Release 6, Issue 3.2 (03.2.239.5)
Change Description

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Comcode 108452632
Issue 1
March 1999

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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.

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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

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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 préscrites dans le reglement sur le brouillage radioélectrique édicté par le ministére des Communications du Canada.

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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
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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), Release 6, Issue 3.2, (03.2.239.5).

Highlights of Features and Enhancements

Administration

A group page button can be added to an attendant console.

The Interval field default is **a** for both the **display alarm** screen and the **display error** screen.

Transfer upon hangup

Transfer upon hangup allows a DCP, Hybrid and BRI phone user on a call to push the transfer button, dial another number, and hang up instead of pushing the transfer button a second time to transfer a call. A Transfer Upon Hangup field has been added to the Feature Related System Parameters screen.

Displays

Cyrillic (Russian) and Ukrainian character sets are supported on phones that support Eurofont. The Enhanced 64/84xx Display Character Set field on the System Parameters Country-Options form accepts the following entries: Roman, Katakana, Cyrillic, and Ukrainian.

Telecommuting

Telecommuting access calls can be made on overlap receiving trunks.

When an offnet forwarding or coverage call returns to the switch for further coverage processing, if the next coverage point is a VDN that redirects the call to a hunt group, the agent can answer the call.

There are no delays when calls redirected offnet are answered.

Incoming ISDN calls that have Coverage of Calls Redirected Off Net occur over ISDN trunks that receive a DISCONNECT message with a progress indicator of in-band-information send the DISCONNECT message back to the next administered coverage point.

When a call redirects to an offnet forwarded-to destination that is busy, the call receives coverage treatment.

Call Center

The List Agent-LoginID form contains a Service Objective column that shows **y** if Service Objective is turned on. Service Objective does not apply if CentreVu Advocate is disabled, or if Call Handling preference is “percent-allocation.”

Vector event buffer space has been expanded. When the buffer is full, the newest vector event record replaces the oldest vector event record. The new **clear events** command discards all entries in the vector event buffer. The command is available to users who have permission to modify the vector screen.

The Class of Restriction for a Vector Directory Number (VDN) is now checked on every VDN transfer.

The maximum poll suppression time for a Best Service Routing application can be administered (from 0 - 60 seconds) on the Best Service Routing screen. The maximum suppression time does not affect poll suppression due to other reasons such as trunk exhaustion, the split/skill queue is full, no agents are staffed, or an invalid ISDN message is received.

The new field BSR Reply-best DISC Cause Value has been added to the Trunk Group screen. Use this field to administer the cause value your switch uses in the ISDN DISC message in response to a BSR status poll. The field is displayed only if the UUI IE Treatment field on the trunk group screen is set to SHARED.

Best Service Routing and CenterVu Advocate

The new field Logged-In Advocate Agents has been added to the System Parameters Customer Options screen. This field specifies the maximum number of CentreVu Advocate agents that can simultaneously log in. The number is set at installation by Lucent.

The following new commands provide more detailed measurements of call center data.

New command	Result
list usage digit-string	lists all the vectors, vector tables, and Best Service Routing plans that use a specific digit string
list member hunt-group	lists extensions of the logged-in members of a hunt group, by group number. For splits and skills, the login ID, name, and different fields for EAS and Advocate appear on the list.
list trace	traces call handling information for more clear data on complicated call center operations.
list trace ewt	shows events that change the expected wait time (EWT) of a given split at a given priority level, such as agent logins and calls in service. It displays the EWT, oldest call waiting, average speed of answer, agents working, agents available and calls queued.
list trace advocate	shows CentreVu Advocate operations such as a skill going over or under a threshold and occupancy when using Least Occupied Agent, by agent extension, or by skill number. CentreVu Advocate must be y on System Parameter Customer Options screen.
list trace vec	shows each vector step executed for one call through one vector. For BSR-related vector steps, additional information appears, such as occupancy, idle time and skill levels for a CONSIDER step. Vectoring must be y on the * screen.
list trace vdn	shows each vector step executed for one call through any number of vectors with the specified VDN extension. For BSR-related vector steps, additional information appears, such as occupancy, idle time and skill levels for a CONSIDER step. Vectoring must be y on the * screen.
list trace previous	shows results of the last trace that was run

New field technician commands:

list internal-data hunt-group	FIELD TECHNICIAN COMMAND ONLY: lists internal data for hunt group and agent information. It displays AWT for group, free list, used list, skill levels, agent uid, agent occupancy and calls in queue.
list internal-data login	FIELD TECHNICIAN COMMAND ONLY: prints out all the fields in the Group Manager display for a particular agent login, and also shows the physical extension. On the command line, use the agent login id.

Call Detail Recording

With customized CDR parameters, up to 15 digits can be administered for the calling number field in the data item column on page 2 of the CDR System Parameters form.

DEFINITY ECS Network Administration

Property Management System entries are placed in the list history log only when DNA is active. Also, abbreviated dial and autodial button programming entries in the list history log are controlled by the DNA field.

Reliability

Four fields have been added to the Fiber Link Administration form. The new fields contain fiber link information that is not used by the switch for call processing. The new fields allow faster remote diagnosis. The fields are:

Field	Valid entries	Comments
Fiber Translation	**multi-mode/ single-mode**	
Converter	**y/n**	
Type of Transceivers	**A/B**	
Converter Type	**Lucent/other**	Appears when the converter field on the Fiber Link Administration form is set to **y.**

World Class Routing

Emergency calls override Calling Party Number blocking.

If vectors are administered with route-to coverage set to y, the call is not considered to be LookAhead Interflow routing, and no LookAhead Interflow data is sent whether or not the call is on coverage.

Miscellaneous

The headset button on a Cyclone 6400 series phone works properly.

External modem timeout increased to 60 seconds.

International Enhancements

ASAI phantom calls can be made over R2MFC trunks.

Italy

Multiple channel ID IEs are supported in RESTART on BRI trunks.

The Feature Related System Parameters screen contained the "Enhanced DCS Enabled" field under the ENHANCED DCS subheading. Now, the titles are "Italian Protocol Enabled" field under ITALIAN DCS PROTOCOL.

Russia

Service observing is available on Russian in-toll trunks.

In Russia, for incoming MF shuttle in-toll calls that are tandemed to an ISDN trunk, the subscriber status is sent to the ISDN switch only when the ISDN switch responds with the status.

With **r**(estricted) in the ANI Req field, if an ANI request fails on a call on a Russian shuttle trunk or a Russian rotary trunk, the call is dropped. The **r**(estricted) option is allowed for the ANI Req field on the AAR Analysis screen, AAR digit-conversion screen, ARS analysis screen, and ARS digit-conversion screen when the new Allow ANI Restriction on AAR/ARS field on the Feature Related System Parameters screen is set to **y**.

Spain

Public trunk calls complete with Spanish KD-3 MFE signaling protocol.

The Outgoing Shuttle Exchange Cycle Timer field (for Russia only) and the Private Group II Permissions and Public Interworking fields do not appear on the System Parameters Multifrequency Code form when the Incoming Call Type field and the Outgoing Call Type field are set to **mfe** (specific to Spain).

Change Descriptions

The following problems are corrected and addressed in DEFINITY Enterprise Communications Server (ECS), Release 6.3, 2 (03.2.239.5).

1. A caller heard a reorder tone when making an outgoing call.
2. If Trunk-to Trunk Transfer on the Feature Related System Parameters screen was set to **restricted**, an outgoing trunk call that was transferred to ISDN with processing set to **call by call** and type set to **trunk**, used as a DCS trunk was dropped.
3. If ACB was active when a call covered to a VDN extension, no ringback was given to the caller when ACB routed the call back to the called party.
4. When an offnet forwarded or coverage call carried by an ISDN trunk (administered as peer-slave/peer-master or network/user) routed onto an analog trunk to the public network on a tandem switch, the tandem switch dropped the call.
5. For ISDN PRI and BRI trunks for Italy, a * was sent in the Called Party Number IE. Now for Italy, a * in SETUP or INFO messages is filtered from the Called Party Number IE.
6. The ATM-EI circuit pack did not get the time-of-day if the circuit pack was reseated when it was in busy-out state.
7. A call with one phone or visible SSC phone, and at least one invisible SSC phone, remained active after other phones were dropped. Now, this call is dropped.
8. If a call origination failed (for example, no timeslots were available) on BRI and DCP phones, the call appearance remained lit for several minutes. Now, the call appearance clears immediately.
9. Maintenance busying a trunk in use didn’t always clear the trunk.

10. If an unrecognized number was received during QSIG transfer/diversion, incorrect data appeared on the user's display phone. Now, private/unknown appears and no number appears.
11. If a system lost power during the year rollover, the year did not update after power was restored.
12. When a call was placed or transferred to a group page, and all 8 phones were on the same TN754 circuit pack, the call was dropped, and DCP displays on phones were lost or incorrect.
13. The system reset if an agent pressed the inspect and normal buttons immediately after logging out with a reason code.
14. PASTE did not copy the drop button to 6400 series display phones.
15. A call placed to a principal that was redirected to a remote UDP number terminating at a destination on another switch node over a non-DCS trunk with both DCS Coverage and Coverage of Calls Redirected Off-Net active was not re-directed to subsequent coverage points.
16. A service observer observing an agent went with the caller to the VDN return destination if the agent hung up first. Now, the observer is dropped when the observed agent hangs up.
17. In countries with overlap sending trunk group service type administered as **public-netwrk** and the outgoing dial type is **overlap**, the outgoing SETUP message had a Called Party Number IE with up to 31 address digits. Now, on these trunks, the outgoing SETUP message has a Called Party Number IE with up to 20 address digits.
18. If an incoming DTMF ANI call was transferred to a vector or VDN that had a wait step as the first step, no ANI appeared on the display when the call was routed to a phone.
19. If a Third Party Make Call request was sent to start a call from an analog phone that was on-hook and had a call on hold, there was no response. Now, the request is immediately rejected with cause value User Busy.
20. When the incoming DTMF ANI appears on a display, no hyphen (-) separated the area code from the prefix and extension number.
21. Calls over ISDN trunks administered for Italy that generated a SETUP message included a Progress Indicator of "public network serving local user" and the call failed. Now, the same calls generate a Progress Indicator of "private network serving local user" and the call does not fail.
22. If a user transferred out of AUDIX to a busy phone, a second attempt to transfer failed.
23. **Display coverage sender 3** displayed personal co lines, including the PCOLs that did not have a coverage path administered.
24. When an agent was available and answered a call that was playing a vector forced disconnect announcement, the call was not tracked by CMS.

25. "Error encountered" was received if PNC Duplication was enabled on the Feature-Related System Parameters Customer Options screen while ATM PNC was active.
26. On a system with both ISDN-PRI and ISDN-BRI trunks administered, an incoming clearing message for a call on a PRI trunk cleared a call on a BRI trunk, and vice versa, causing calls to drop unexpectedly.
27. If an attendant conferenced together an internal phone and a trunk call, occasionally no CDR record was generated for the trunk call.
28. Data modules incorrectly showed "pending busy" status.
29. When a phone with Per Button Ring Control set to **y**, and auto AD set to **y**, and TTI changed from a physical port to an "x" port, data associated with the first call appearance changed auto AD to **n**.
30. Path Replacement and Call Forward with Reroute were difficult to administer when setting up QSIG.
31. If the abbreviated dialing button was changed at a phone, **list history** showed the port type EPN. Now, **list history** shows the port type PHONE.
32. When an analog phone rings-back after a SSC, third party hold, and hang up, another SSC attempt received no response. Now, the SSC request is denied with a reason of "user busy". When all calls drop except one phone and an AWOH SSC, the TTI port information appeared on the phone display. Now, the AWOH phone information appears.
33. When **list integrated-annc-boards** and **list testcalls** were scheduled, incorrect header information was printed when there were multiple circuit packs for the announcement report or multiple trunks on the testcalls report.
34. WFB alarms generated an onboard pack minor alarm causing the RC red LED to light up. Now, WFB alarms generate an offboard minor alarm which does not light the RC red LED.
35. In rare circumstances, when a call was made to a hunt group with no members that was assigned a coverage path, the call did not cover.
36. When an analog phone originated an outgoing TIE type trunk call, got dial tone, flashed to transfer and then misdialed the call, it rang the attendant console but the attendant couldn’t answer the call and the console locked up. Now, the attendant can answer and drop the call.
37. The system reset when DID trunk calls to an invalid extension were directed to a night service destination that was a forwarded hunt group with no members and with coverage set to “all.”
38. **List usage ext** did not find VOA in VDN form.
39. BCMS/VuStats displayed a percent in service level that was over 100%, or wrapped around to 1 - 5%.

40. Agent names containing special characters did not appear on the display when the Enhanced 64/84xx Display Character Set field on the System Parameters Country Options screen was set to **y**.

41. When an agent dialed a phone and the call was forwarded to a phone that the agent was not COR permitted to dial, the agent received intercept tone and the call did not complete. Now, the call rings the forwarded phone.

42. Multiple PROGRESS messages were sent for a single call over ISDN PRI interfaces administered for country code 1A (US/Canada). Now, only one PROGRESS message is sent per call for ISDN PRI interfaces administered for country code 1A (US/Canada).

43. When a DID call between switches over LookAhead Interflow messaged to a remote-AUDIX hunt group, the outgoing call was viewed as LAI and showed the wrong digits to the voice mail system and the call was not answered correctly.

44. If a caller on switch A transferred a call to a remote phone on switch B in a DCS+ network and the call covered back to switch A to an Octel messaging adjunct, the caller was connected to the wrong mailbox. Now, the caller is connected to the mailbox of the remote phone user.

45. When a CMS measured agent put a call on hold and reconnected to an outgoing trunk call on a CMS measured trunk, the call was not reported as an external call to CMS.

46. If a PCOL member put a PCOL call on hold and another member retrieved the call, "conference 2" appeared on the display when only two parties were on the call. Now, when a PCOL call is put on hold and retrieved by another member, the trunk group information appears.

47. If an AUDIX name in the adjunct name table was used by a phone, the user could remove the name from the adjunct name table.

48. DID trunk calls that were routed via intercept treatment to the attendant received busy tone if the attendant was in Night Service and the NS extension was a forwarded hunt group with zero members and a coverage path set to cover all. Now, the DID call terminates to the covering user.

49. When multiple announcement circuit packs were in use and one of the announcement circuit packs was removed while the 15-second record timer was active, the record session data was corrupted.

50. DEFINITY ECS tandemed more than one Progress Indicator IE for calls made over ISDN trunks administered for Country protocol 2A. Now, DEFINITY ECS sends only one Progress Indicator IE for these calls.

51. LanGateWay ports were included in TTI only during removal of station translations.

52. When a TEI ID remove on a BRI trunk administered for fixed TEI was received, a TEI ID request was sent. Now, receipt of a TEI ID remove on a BRI trunk administered for fixed TEI is ignored.

53. Processor occupancy used all the available processor idle occupancy.

54. When an incoming call was terminated to an agent with a single-line display phone, the CALLR-INFO overwrote the caller/calling party information. Now, if the answering agent's phone does not have 2-line display, the CALLR-INFO is displayed for 10 seconds when the agent presses the callr-info button.
55. MASI phones could not be removed.
56. The **clear errors** command was allowed with init and craft logins. Now, the **clear errors** command is allowed for user logins with super-user or higher privilege.
57. There was no response to third party requests from applications (for example, Third Party Answer) when the request was received by the switch before a Third Party Merge (for Transfer or Conference) was complete.
58. The MSG lamp did not restore the lamp light if a WT reset during an active call.
59. When a progress message was returned with a busy indication, the busy name did not appear on the originator's display.
60. Hybrid (MFAT) line circuit packs (TN762) were taken out of service if they were associated with Transtalk or display phones.
61. The **status trunk group** command displayed the wrong service state for ISDN trunks in the group.
62. The System Parameters Coverage Forwarding screen contained the Maintain Call Classifier For Final CCRON Coverage Point field. Now, the field is named Activate Answer Detection (Preserves SBA) On Final CCRON Cvg Point.
63. When an attendant programmed an abbreviated dial group list entry with a 9 in the fifth position, a system trap occurred and the programming hung.
64. The maximum CCS value on the **list measurements cell-traffic summary** was 255. Now, the maximum CCS value on the **list measurements cell-traffic summary** is 432.
65. When a call to a MASI user covered off premises, the covered user appeared busy and was not dropped from the call.
66. G3V4.084 could not be upgraded to R6.3.
67. X.25 links to CMS failed and caused PI links to fail.
68. A trunk group could be changed from Measured:internal to Measured:external or Measured:both and the maximum number of externally measured trunks in CMS was not updated.
69. Incoming ISDN trunk calls to an Auto Attendant that were transferred to a phone that had Send-All-Calls active were seen as calls from an AUDIX port instead of calls from the trunk with ANI.
70. ARS digit conversion of IXC codes from 5 to 7 digits deleted the prefix 1 causing the call to fail if a prefix 1 was required.

71. When an observer was service observing remotely via a CMS measured trunk, the trunk did not show in-use on CMS reports.
72. If a remote service-observer was using an ISDN trunk and the link or span went down, the observer's port stayed active and the user could not be observed again.
73. ASAI displayed service observing information to agents being observed.
74. If 48 data items were entered on page 2 of the System Parameters CDR screen, incorrect information was added to the CDR record.
75. TN429 circuit packs were displayed in **list configuration** and **change circuit-packs** commands as DIOD TRUNK. Now, TN429 circuit packs are displayed in these commands as DIOD/CO TRUNK.
76. Multiple inconsistent downlink message errors were recorded against TN760E V1 circuit packs.
77. If an abbreviated dial call with special characters was placed on an outgoing trunk group with Outgoing display on the Trunk Group screen set to **n**, the user's phone display showed the ASCII version of the special characters.
78. Incoming QSIG calls forwarded between switches with QSIG did not terminate properly.
79. Calls re-routed by QSIG Diversion did not complete successfully.
80. Callers heard intercept tone and the called party heard ringing but could not answer the call on ARS calls re-routed by QSIG Diversion.
81. QSIG Diversion calls caused the wrong type of audible ringback.
82. Incoming analog DID trunk calls to a System 85 that were tandemed over a DCS trunk to a G3 showed the DCS trunk group name on the terminating phone display. Now, the ICI information for the DID trunk appears on the display.
83. No UUI IEs were sent on BSR polling calls, and some network providers discarded the UUI IEs from the DISConnect message because no UUI IEs were detected in the SETUP message. . Now, in-VDN time is sent in the UUI IE on all polling calls.
84. Two outgoing trunk transfers in a row resulted in incorrect displays.
85. The NPE Audit dropped calls.
86. If private numbering was off and QSIG supplementary services was on, the Numbering Format field on the Trunk Group screen could not be set to **private**.
87. Adding or removing a phone from group page 32 did not show on the report for the **list usage** command for those extensions.
88. Information sent to CMS indicated a VDN return call event when there was none.

89. An error message was too long and ran off the page. Now, the whole message can be read.
90. LAR calls failed when call type was "pubu" on the AAR Analysis screen.
91. DS1 circuit packs with ICSU modules prevented DS1FD stations from being taken out-of-service if they detected Blue alarms.
92. When an ASAI message length was greater than 127 bytes, the message did not use the long form of the length field.
93. **List meas summary** showed the incorrect total for security violations.
94. If the originator of a malicious call used last number dialed or abbreviated dialing to make the call, the called party could not activate MCT with the MCT button.
95. QSIG calls diverted with busy/don't answer did not complete.
96. When more than one test was attempted at the same time for scheduled ATMS testing, some failed without an error message.
97. On outgoing AAR/ARS calls to the Italian public network, no DTMF tones were sent when a CALL PROCEEDING message was received.
98. The calling display was not updated on QSIG Call Completion On Busy activation requests.
99. "Offered" did not appear on the calling party's display on QSIG Call Offer calls made over an ISDN trunk administered for overlap sending.
100. A QSIG transfer message encoded with NULL (not available) name did not update the users's display.
101. When a hunt group type was changed from **ucd-mia**, and ACD, Vector, and Skill fields changed from **y** to **n**, the administration validation required that the Skill field on page 2 be set to **n** even though page 2 was no longer displayed.
102. Trunk translations were not correct when systems were upgraded from g3v4 to r6p3 and CDR records had incorrect data in the feature flag field.
103. If a fifth EPN SAT was plugged into the system, any new logins, including INADS, could not be established.
104. If the system reached the abbreviated dial number limit, a system restart occurred. Now, the system returns the message: "no space available to add data."
105. 7405 phones did not cut-through on subsequent calls when a 500A headset adapter was used.
106. The headset button on a Cyclone 6400 series phone did not work properly.
107. External modem timeout was too short. Now, the external modem timeout is increased to 60 seconds.

108. When a Data/Video ETSI WCCBRI sent an outgoing setup to the public network encoded with BC=unrestricted digital, the Alert message sent back contained a Signal IE, with "ring back tone on". Now, the Alert message sent back does not contain any Signal IE.

109. ASAI third-party calls through OCM showed incorrect information on displays.

110. Phones on TN735 circuit packs could not be administered with TTI active.

111. “Offered” did not display on QSIG ISDN Call Offer calls made with a TAC over trunks administered for country code 1A (US/Canada).

112. **Status station** on an extension of a tenant partitioning group with x port returned a ? in the type field. Now, **status station** returns the message: "Extension exists but assigned to a different object."

113. Two or more wireless phones could be bridged to a wired principal when the wireless phones were administered using an alias wireless phone type. Now, only one wireless phone may be bridged to a wired principal in this situation.

114. Calls that covered over Supplementary Service Option E DCS trunks, and Lookahead Routing and Lookahead interflow calls over SSE DCS trunks, were incorrect in their transit status for DCS with Reroute to occur.

115. Vectors with no steps administered were reported to CMS.

116. When an attendant transferred a call, it did not release when the attendant pushed the release button blocked DS1s to remoted EPNs.

117. Logged-in agent personal calls with remote coverage did not cover when SAC was active.

118. If a phone conferenced a DID call with another phone or trunk and then dropped the conferenced phone or trunk, "Conference 2” remained on the display.

119. A non-existent packet interface board caused alarming.

120. If a local call remotely covered via QSIG to a remote party, ACB was not activated.

121. Non-stable layer 1 BRI trunks did not switch quickly to the local oscillator when layer 1 went down when the BRI circuit pack was being used as a primary source. When layer 1 returned and the source was the local oscillator, the circuit pack did not go back online. Now, the primary source is taken offline when the last layer 1 interface goes down, and it goes back online when layer 1 comes back on one of the BRI interfaces. However, if a layer 1 interface comes back for only a few seconds, the primary is not put online for those few seconds.

122. Calls waiting in queue were not delivered to available attendant consoles.

123. When an announcement vector step followed by a disconnect was executed, callers heard only ringing instead of the announcement for the length of time of the announcement.

124. A call placed from an analog adjunct or data module was denied access to Return to Voice when the data extension phone button was used.

125. Users that failed to associate a phone using PSA because of an invalid password caused a system reset.

126. Incorrect ASAI displays appeared on incoming trunk calls to phones.

127. The Cause Value 31 (normal unspecified) appeared for every reply-best vectoring command. Now, the trunk group screen contains a BSR Reply-best DISC Cause Value field that appears when the UUI IE Treatment field is set to **shared**. The BSR Reply-best DISC Cause Value field sets the cause value that the switch sends in response to a BSR status poll.

128. If an incoming QSIG trunk call to a phone was forwarded, another trunk call made to the phone within 30 seconds received busy tone. Now, the subsequent trunk call is forwarded immediately.

129. If the attendant console was not in the night attendant table but was set to night/day type, and the user tried to change the type from night to day, EECCR was returned. Now the user can make the change.

130. When a vector GUI sent a vector over 32 steps, the error message was vague. Now, it is specific.

131. A bridge of a phone with no hardware did not receive abbreviated/delayed ringing when TTI was on.

132. A-LAW and MU-LAW companding parameters were not set up properly on TN2308 circuit packs.

133. When a call tried to reach a remote party by calling out over an ISDN trunk, and an ISDN DISConnect message with a user busy and progress-indicator value of In-Band Info Available was received from the public network, ASAI sent a Cut-Through event report. Now, ASAI sends a Busy event report.

134. During a BSR interflow, if the remote location did not accept the interflow call, the call routed to the local best skill. After ringing to the local best skill agent, the call was dropped and the originator was left in an indefinite ringing state. Now, the call stays on until the call is answered and a two-way talk path is provided.

135. Corruption of station and trunk records occurred if the trunk was pulled or busied-out while a remote service-observing session was active.

136. Wizard II wireless phones did not support Nurse Call.

137. Call Offer can’t be invoked after path retention in QSIG.

138. Information entered for Katakana display on stations that support OPTREX characters were truncated.

139. The Attendant Control of a Trunk Group field on the **change display-messages call-identifiers** command showed "Attendant Assistance Call" information.

140. The Acceptable Service Level field on the Hunt Group screen reset to **30** when the Measured field was changed from **both** or **internal** to **external**.

141. The Objective field on the Hunt Group screen contained incorrect information on an upgrade to R6.3.

142. Software and switch node clock firmware/hardware were inconsistent regarding which switch node clock was active.

143. If the auto attendant on AUDIX transferred a call to a phone with SAC to remote coverage active, ARS calls failed.

144. When B-carrier SPE and tone/clock were active, removing power on the B-carrier resulted in an SPE interchange, both tone/clocks showed down status, neither became active, and call service was lost. Now, loss of power on the B-carrier causes SPE and tone/clock in the A-carrier to become active.

145. Unanswered ISDN calls did not generate a CDR record. Now, unanswered ISDN calls generate a CDR record with a condition code of "E" for ineffective call attempt. However, when the network does not return a message and a call does not complete, there is still no CDR record of the call.

146. The called name did not appear on the display for a QSIG Call Offer call with certain country protocols.

147. When a phone user transferred a trunk to an attendant's personal extension, the personal call waiting lamp went out and the attendant did not know when a call was waiting.

148. Some tandemed ISDN calls that were dropped after completion did not have the calling number in the CDR record.

149. The ANI/CPN was not passed to the ASAI interface when the originator/incoming trunk was an ICLID trunk.

150. If an incoming R2-MFC call terminated at an extension that forwarded the call to an announcement extension, the caller heard silence, then busy tone. Now, all incoming R2-MFC calls terminate at the announcement extension.

151. Calls to a coverage point that were parked did not return to the party that parked the call.

152. It took 2.8 seconds for all members to be connected to a 32-member speakerphone page group, and some members missed the beginning of the message. Now, it takes no more than 1.2 seconds to connect all members of a 32-member speakerphone page group.

153. Incorrect displays appeared when outgoing AAR calls with only dialed digits to display conferenced in and then dropped a third party.

154. If an analog phone user or an attendant transferred a group page call, the group page locked up. Now, analog phone users and attendants are blocked from transferring group page calls.

155. If an attendant conferenced a group page, the group page locked up. Now, attendants are blocked from conferencing a group page with another party.

156. For an incoming ISDN trunk used for BSR interflow calls that is administered for digit-overlap and insertion of digits for ARS digit conversion, the VDN Name associated with an incoming BSR interflow call did not appear on the display phone where the call was terminated.

157. After path replacement (PR) over QSIG, execution of Last Number Dialed from the PR cooperating phone caused a call to the PR requesting phone.

158. Path-retained calls indicating the QSIG call offer feature originated by Siemens switches and terminating on a DEFINITY ECS phone with call forwarding busy/don't answer activated did not complete.

159. Overlap Receiving countries did not process INFO messages.

160. LAR calls were not started by PROGRESS messages even with LAR-triggering Cause Values.

161. When a rerouted call was answered on a call with multiple call-forwarding over QSIG trunks with Reroute, the display on the phone at the rerouting PBX was not updated.

162. A scheduled audit corrupted system status and xported phones could not be removed.

163. TTI port information was incorrect on the System Capacity screen.

164. When Transfer Upon Hang-up was enabled, and an ACD agent on a call pressed transfer, dialed another party, and pressed release, the call was not transferred to the dialed party. Now, when Transfer Upon Hang-up is enabled and an ACD agent on a call presses transfer, dials another party, and presses release, the call is transferred and the two call appearances on the agent's phone are idled.

165. The **list usage hunt** command created an infinite loop if all possible agents were administered in the system.

166. NCS calls to wireless phones as members of groups was not supported.

167. /If a user of an observed phone placed an outgoing call over a trunk using ARS where minimum and maximum digits were not equal, and the call was connected before the TTR was removed from the call, station record corruption resulted when the observer failed to bridge onto the call.

168. If a CO in Brazil sent the next ANI signal after the end-of-ani signal, the call did not complete.

169. Users could enter duplicate digit strings for entries 226-999 on the change-coverage-remote form.

170. The **list integrated-annc-boards** command listed the 256th announcement and announcements with a recorded length of 256 seconds at 32Kbps.

171. Outgoing MMCH calls failed if ARS analysis contained a non-ISDN voice trunk preference before a data trunk preference. Now, outgoing MMCH calls work regardless of where the data-capable preference exists in the routing pattern.

172. An upgrade of an si through a csi was allowed with no visible sign that the upgrade was not supported. An upgrade of a csi through an si or xe was allowed with no visible sign that the upgrade was not supported. Now, a translation corruption message appears.

173. When a CMS or BCMS measured trunk group was busied out at the SAT, the switch stopped sending the Universal Call ID to CMS.

174. Port 3,5,7,9... of TN793, TN2793 could not be assigned to a station.

175. When a CMS measured trunk dropped out of a conference call that included a CMS measured agent, CMS did not receive a UCID report.

176. An agent could not login and logout.

177. A public-network ISDN call dialed with 21 or more digits failed if overlap sending was used.

178. When a call to a CMS measured VDN routed to a non-measured AUDIX hunt group, then transferred to a CMS measured agent, the switch did not report this to CMS and CMS did not track the call.

179. Complete notification was not sent to CMS for calls ringing at a CMS measure agent which abandon.

180. A trap occurred when global variables were not set for BRI phones.

181. On PPN B-carrier power loss in a duplicated system, with B-carrier tone/clock active, display initcauses form after the last interchange and restart showed restart cause "Software Request 2." Now, the display initcauses form shows restart cause “Tone Clock Loss 2.”

182. BRI trunks used as synchronization sources that were deemed non-stable layer 1 interfaces, system synchronization was incorrect when all ports were idle after trunk calls. Now, if all ports on a BRI trunk board used as a system synchronization source go down (at layer 1), and the ports are translated as "non-stable" layer 1 interfaces and "synch" sources in the "change bri-trunk" form, excessive clock synchronization switching is ignored.

183. When a call transferred out of AUDIX to a station AWOH with a coverage path containing an offnet destination followed by a local coverage point, the call remained at the offnet location and never rang the local coverage point. Now, the call routes over the entire coverage path.

184. When an attempt to connect to a CCTR/MFC port failed, the port connected to an analog trunk forever making a station's call appearance unusable.

185. Ports on a non-native mode TN568 circuit packs were taken out of service due to port hyperactivity management.

186. With wireless enabled, it was possible for the system to reset multiple times during a "reset system 2" or software upgrade.

187. If the attendant made a group page where the page group had more than 4 members and then released the page, only 4 members were idled and the group remained busy until a system reset 4 was executed.

188. Administrable timers were not sent to the TN2209 tie trunk circuit packs used in Russia.

189. When an R2-MFC DID call terminated at a vector that contained an announcement extension, the announcement was not played.

190. When the loudspeaker paging access code was dialed followed by #, the caller heard intercept tone. Now, the caller is connected to the paging trunk.