

# **Changes and Additions**

- Protocol Version 21, page 1
- Protocol Version 20, page 1
- Protocol Version 19, page 3
- Protocol Version 18, page 3
- Protocol Version 17, page 3
- Protocol Version 16, page 4
- Protocol Version 15, page 4
- Protocol Version 14, page 4
- Protocol Versions 10-13, page 6
- Protocol Version 9, page 8
- Protocol Version 8, page 8
- Protocol Version 7, page 10
- Protocol Version 6, page 10
- Protocol Version 5, page 12

### **Protocol Version 21**

Following is a list of changes made in Protocol Version 21:

- Added NumMRDs, FLTAgentMRDID, and FltAgentMRDState under CONFIG\_AGENT\_EVENT.
- Added a new Message with the type 259. This Message is reserved for internal use only.
- Changed the behavior of the PeripheralType field in the OPEN CONF message.

## **Protocol Version 20**

Following is a list of additional changes made in Protocol Version 20 (Unified CCE Release11.5(1)):



#### **Important**

In the CTI Server Protocol Version 20 the floating field tag and length size changed from 1 byte to 2 byte USHORT.

- Added the fixed AgentSkillTargetID and floating AgentID fields to the AGENT\_PRE\_CALL\_EVENT message.
- Added the CONFIG MRD EVENT message.
  - Added bit mask value 32=Media Routing Domain Information to the CONFIG\_REQUEST\_EVENT message ConfigInformation field. Added a cross-reference to this field from the OPEN\_REQ message ConfigMsgMask field.
  - Added bit mask value 32=Media Routing Domain Information to the CONFIG\_BEGIN\_EVENT message ConfigInformation field.
  - Added the MR\_DOMAIN\_ID\_TAG, DESCRIPTION\_TAG, ENTERPRISE\_NAME\_TAG, MAX\_TASK\_DURATION\_TAG, AND INTERRUPTIBLE\_TAG to the event CONFIG MRD EVENT.
- Added that the AGENT PRE CALL ABORT EVENT message is sent to the to ALL EVENTS client.
- Added the following values to the Tag Values table:
  - °SSO ENABLED TAG for the CONFIG AGENT EVENT and SET AGENT STATE REQ
  - °FLT\_TASK\_ID\_TAG for the AGENT\_TASKS\_RESP message
  - FLT\_ICM\_DISP\_TAG and FLT\_APP\_DISP\_TAG for the MEDIA\_LOGOUT\_IND message
- For the CONFIG\_AGENT\_EVENT message, the length of the LoginName field is increased to 255 Bytes.
- Floating field subfields have changed:
  - The Tag subfield is a Data Type of USHORT and a Byte Size of 2.
  - The FieldLength subfield is a Data Type of USHORT and a Byte Size of 2.
- Added or modified these tags in the Tag Values table for the SNAPSHOT\_TASKS\_RESP message: SCRIPT\_SELECTOR\_TAG, APPLICATION\_STRING1\_TAG, APPLICATION\_STRING2\_TAG, CALL\_VAR\_1\_TAG through CALL\_VAR\_10\_TAG, NAMED\_VARIABLE\_TAG, NAMED\_ARRAY\_TAG.
- Added new TaskState Values that may appear in SNAPSHOT TASK RESP messages.
- Added the following values to the Disposition Codes table for nonvoice tasks:
  - 63=Task Transferred
  - 64=Application Disconnected
  - ∘ 65=Task Transferred on Agent Logout

The following is a list of changes made for CTI Server in Protocol Version 19:

- Updated Message Types in Messaging Conventions chapter.
- Added Configuration Acquisition Messages section in Application Level Interfaces chapter.
- Added row containing INTERNAL AGENT STATE TAG to Tag Values. Table Tag Values.
- Added values 27 to 37 for outbound call types to CallType Values CallType Values.
- Added row containing Internal Agent State to QUERY AGENT STATE CONF Message Form to Table Message Types.
- Added Agent's Internal States and their Status Values to Table Agent's Internal States and their Status Values.
- Removed the ClientAddressIPV6 and SendingAddressIPV6 elements and the CLIENT\_ADDRESS\_IPV6\_TAG (226) and SENDING\_ADDRESS\_IPV6\_TAG(227) tags due to a change in the handling of IPv6 addresses.
- Changed ClientAddress and SendingAddress elements' size from 16 byte to 64 byte to support IPv6 addresses.
- Added the DepartmentID field to the following messages:
  - OPEN CONF
  - AGENT STATE EVENT
  - AGENT TEAM CONFIG EVENT
  - QUERY AGENT STATE CONF

### **Protocol Version 18**

The following is a list of changes made for CTI Server in Protocol Version 18 (Unified CCE version 10.0(1) - internal use only):

• Added values 247 to 254 to Tag Values Table Tag Values.

### **Protocol Version 17**

The following is a list of changes made for CTI Server in Protocol Version 17 (Unified CCE version 9.0(1) - internal use only):

Added row containing OPTIONS\_TAG to Tag Values Table Tag Values.

The following is a list of changes made for CTI Server in Protocol Version 16 (Unified CCE verion 9.0(1)).

Added Agent TeamName to AGENT\_TEAM\_CONFIG\_EVENT Table Supervisor Service

Added AGENT\_TEAM\_NAME\_TAG(243) to Table Tag Values

Added Direction to AGENT\_STATE\_EVENT Table Tag Values

Added DIRECTION\_TAG(244) to Table Tag Values

## **Protocol Version 15**

The following is a list of additions and changes made to the CTI Server in Protocol Version 15 (Unified CCE Version 8.5(x)).

Added three message types to Table Tag Values.

Added CALL\_AGENT\_GREETING\_MASK to Table Unsolicited Call Event Message Masks.

Added CALL\_AGENT\_GREETING\_EVENT in Table Unsolicited Call Event Message Masks.

Added AGENT\_GREETING\_CONTROL\_REQ in Table Message Types.

Added AGENT\_GREETING\_CONTROL\_CONF in Table Message Types.

Added CF\_AGENT\_GREETING\_CONTROL\_OPERATION\_FAILURE Extended Control Failure Code to Table ControlFailureCode Values.

#### **Protocol Version 14**

The following is a list of additions and changes made to the CTI Server in Protocol Version 14 (Unified CCE Version 8.0(x)).

• Changed the VersionNumber field in OPEN\_REQ to 14 from 13.

Added new floating field tags to Table Tag Values:

• REQUESTING\_DEVICE\_ID\_TAG (219)

REQUESTING\_DEVICE\_ID\_TYPE\_TAG (220)

PRE CALL INVOKE ID TAG (221)

ENTERPRISE\_QUEUE\_TIME (222)

CALL\_REFERENCE\_ID\_TAG (223)

MULTI\_LINE\_AGENT\_CONTROL\_TAG (224)

NETWORK\_CONTROLLED\_TAG (225)

CLIENT\_ADDRESS\_IPV6\_TAG (226)

SENDING ADDRESS IPV6 TAG(227)

NUM\_PERIPHERALS\_TAG(228)

```
COC_CONNECTION_CALL_ID_TAG(229)
COC CALL CONNECTION DEVICE ID TYPE TAG(230)
COC CALL CONNECTION DEVICE ID TYPE TAG(231)
CALL_ORIGINATED_FROM_TAG(232)
SET_APPDATA_CALLID_TAG(233)
CLIENT_SHARE_KEY_TAG(234)
```

- Added SkillGroupNumber field to MAKE CALL REQ.
- · Added RouterCallKeyDay, RouterCallKeyCallID, and RouterCallKeySequenceNumber fields to SET\_CALL\_DATA.
- Added floating CallTypeID field and floating PreCallInvokeID field to AGENT PRE CALL EVENT and SET APP DATA.
- Added CallReferenceIDfield (for solution call trace) to BEGIN CALL EVENT, CALL DATA UPDATE EVENT, and SNAPSHOT CALL CONF.
- Added optional parms RequestingDeviceID and RequestingDeviceIDType to CLEAR\_CONNECTION\_REQ.
- Added DEVID NON ACD DEVICE\_IDENTIFIER and DEVID\_SHARED\_DEVICE\_IDENTIFIER to Table DeviceIDType Values.
- Added non ACD line types LINETYPE NON ACD IN and LINETYPE NON ACD OUT to Table LineType Values.
- Added calltype CALLTYPE NON ACD (27) to Table CallType Values.
- Added the NumPeripherals, FltPeripheralID, and MultilineAgentControl fields to OPEN CONF.
- Added the following status codes to Table PGStatusCode Values:
  - ∘E CTI INVALID CONFIG MSG MASK
  - ∘E CTI AUTO CONFIG RESET
  - E\_CTI\_INVALID\_MONITOR\_STATUS
  - •E CTI INVALID REQUEST ID TYPE
- Added the following ControlFailureCode values to Table ControlFailureCode Values:
  - CF\_INVALID\_TRUNK\_ID\_SPECIFIED
  - CF SPECIFIED EXTENSION ALREADY IN USE
  - CF ARBITRARY CONF OR XFER NOT SUPPORTED
  - CF\_NETWORK\_TRANSFER\_OR\_CONSULT
  - CF\_NETWORK\_TRANSFER\_OR\_CONSULT\_FAILED
  - CF DEVICE RESTRICTED
  - CF\_LINE\_RESTRICTED
  - ∘ CF AGENT ACCOUNT LOCKED OUT

- °CF\_ARBITRARY\_CONF\_OR\_XFER\_NOT\_SUPPORTED
- °CF\_MAXIMUM\_LINE\_LIMIT\_EXCEEDED
- CF SHARED LINES NOT SUPPORTED
- $\circ CF\_EXTENSION\_NOT\_UNIQUE$
- Added CTI\_SERVICE\_ACD\_LINE\_ONLY and CTI\_SERVICE\_IGNORE\_CONF to Table CTI Service Masks.
- Added the ClientAddressIPV6 field to the following events:

```
∘RTP_STARTED_EVENT

RTP_STOPPED_EVENT

CLIENT_SESSION_OPENED_EVENT

CLIENT_SESSION_CLOSED_EVENT

EMERGENCY_CALL_EVENT

START_RECORDING_REQ

START_RECORDING_CONF

STOP_RECORDING_REQ

STOP_RECORDING_CONF
```

- Added the SendingAddressIPV6 field to RTP STARTED EVENT and RTP STOPPED EVENT.
- Added the COCConnectionCallID, COCCallConnectionDeviceIDType, and COCCallConnectionDeviceID fields to CALL\_SERVICE\_INITIATED\_EVENT and SNAPSHOT\_CALL\_CONF.
- Added device types DEVT\_CTI\_PORT\_SCCP, and DEVT\_CTI\_PORT\_SIP to Table TypeOfDevice Values.

### **Protocol Versions 10-13**

The following is a list of additions and changes made to the CTI Server in Protocol Versions 10-13 (ICM Version 7.0(x).

- Added New Types to Existing Tables, New fields to existing Messages, New fields added to existing messages
- Added following fields to AGENT\_STATE\_EVENT: Duration (optional), NextAgentState, FltSkillGroupNumber, FltSkillGroupID, FltSkillGroupPriority, FltSkillGroupState
- Changed Version Number in OPEN\_REQ to 13 from 6.
- Added DeviceIDType to SNAPSHOT\_CALL\_REQ to allow for Queues and Agent extensions with the same number.
- Added ForcedFlag and AgentServiceReq to SET\_AGENT\_STATE\_REQ
- Added CTI\_AGENT\_STATE\_CONTROL\_ONLY, CTI\_DEVICE\_STATE\_CONTROL, CTI\_ROUTING, CTI\_SERVICE\_MINIMIZE\_EVENTS, CTI\_SERVICE\_CONFIG\_EVENTS,

- CTI\_SERVICE\_UPDATE\_EVENTS, and CTI\_SERVICE\_IGNORE\_DUPLICATE\_AGENT\_EVENTS in the CTI Service Masks table.
- Corrected CALL\_QUEUED\_EVENT scenarios to reflect a QueueDeviceIDType of DEVID\_NONE
  and remove the QueueDeviceID floating field.
- Added DEVID QUEUE to the device ID type table.
- Removed CallsInQueue from the QUERY\_AGENT\_STATISTICS\_CONF message.
- In CALL\_DELIVERED\_EVENT, changed AlertingDevice to required.
- Removed Duplicate tag SKILL\_GROUP\_PRIORITY\_TAG.
- Added DEVICE\_TYPE\_TAG to the tag value table.
- Removed OldestCallInQueue from the QUERY AGENT STATISTICS CONF message.
- Added AgentAvailabilityStatus to QUERY\_AGENT\_STATE\_CONF and AGENT\_STATE\_EVENT.
- Added AgentsICMAvailable, and AgentsApplicationAvailable to QUERY\_SKILL\_GROUP\_STATISTICS\_CONF.
- Added ICMAvailableTimeSession, RoutableTimeSession, ICMAvailableTimeToday, and RoutableTimeToday to QUERY\_AGENT\_STATISTICS\_CONF.
- Added AGENT\_UDPATED\_EVENT and QUEUE\_UPDATED\_EVENT to the message type table. The individual messages were covered but they were missing from the table.
- Corrected EMERGENCY\_CALL\_CONF table.
- Changed PauseDuration in SEND\_DTMF\_SIGNAL\_REQ from USHORT to UINT. The type was
  mistakenly changed and there is special code to cover the backward compatibility.
- Added EventDeviceType and EventDeviceID in SYSTEM\_EVENT to allow specifying a non-numeric device on the in and out of service events.
- Corrected CustomerPhoneNumber, and CustomerAccountNumber to be optional in CALL\_DATA\_UPDATE\_EVENT and SET\_CALL\_DATA\_REQ
- Added NumFltSkillGroups field and floating fields for FltSkillGroupNumber, FltSkillGroupID,
   FltSkillIGroupState, and FltSkillGroupPriority to allow specifying more than 1 skill group in the event
   to AGENT\_STATE\_EVENT
- Added RA\_CALL\_BY\_CALL and RA\_NAILED\_CONNECTION in AgentWorkMode table.
- Updated following messages with new fields:
  - AGENT STATE EVENT: NextAgentState, Duration
  - CALL\_DEQUEUED\_EVENT: DeQueueType
  - OPEN\_REQ: EventMsgMask
  - RTP\_STARTED\_EVENT: SendingAddress, SendingPort
  - RTP\_STOPPED\_EVENT: SendingAddress, SendingPort
  - SET\_AGENT\_STATE\_REQ: ForcedFlag
- Updated tables with various new values.
- · Updated tables with various new values.

The following is a list of additions and changes made to the CTI Server in Protocol Version 9 (ICM Version 5.0).

- Added Server Service. See the section "Server Service" in Chapter 5, "Application Level Interfaces."
- Added the CampaignID and QueryRuleID fields to the SET\_CALL\_DATA\_REQ and CALL\_DATA\_UPDATE\_EVENT messages.
- During an OPEN\_REQ of an ALL\_EVENTS client session, additional SYSTEM\_EVENTs are now sent to the ALL EVENTS client to indicate the status of each peripheral associated with the PG.
- Added AgentAvailabilityStatus and ICMAgentID fields to QUERY\_AGENT\_STATE\_CONF and AGENT\_STATE\_EVENT.
- Added field AgentsICMAvailable and AgentsApplicationAvailable to QUERY\_SKILL\_GROUP\_STATISTICS\_CONF.
- Added fields ICMAvailableTimeSession, RoutableTimeSession, ICMAvailableTimeToday, and RoutableTimeToday to QUERY AGENT STATISTICS CONF.
- Added ICMAgentID, AgentExtension, AgentID, and AgentInstrument fields to QUERY\_AGENT\_STATE\_REQ.
- Updates to several tables in Chapter 6, "Constants and Status Codes."

### **Protocol Version 8**

The following is a list of additions and changes made to the CTI Server in Protocol Version 8 (ICM Version 4.6).

- Moved the RTP\_STARTED\_EVENT and RTP\_STOPPED\_EVENT messages to the ClientEvents Service
- Added AgentInstrument optional field to the following messages:
  - ALTERNATE\_CALL\_REQ
  - CLEAR\_CALL\_REQ
  - CONFERENCE\_CALL\_REQ
  - $\circ\, DEFLECT\_CALL\_REQ$
  - · HOLD CALL REQ
  - RECONNECT\_CALL\_REQ
  - RETRIEVE\_CALL\_REQ
  - TRANSFER\_CALL\_REQ
  - $\circ SEND\_DTMF\_SIGNAL\_REQ$

- Added CalledPartyDisposition field to the BEGIN\_CALL\_EVENT, CALL\_DATA\_UPDATE\_EVENT, and SNAPSHOT\_CALL\_CONF messages.
- Added CallType and CalledPartyDisposition fields to the SET\_CALL\_DATA\_REQ message.
- · Added BlendedAgent support.
- Add CALLTYPE PREVIEW and CALLTYPE RESERVATION call types (see table CallType Values).
- Add CallType and/or CalledPartyDisposition fields to the set\_call\_data\_req, BEGIN\_CALL\_EVENT, CALL\_DATA\_UPDATE\_EVENT, and snapshot\_call\_conf messages.
- Added CampaignID and QueryRuleID fields to the SET\_CALL\_DATA\_REQ and CALL\_DATA\_UPDATE\_EVENT messages.
- Add real time and 5 minutes fields to the query\_skill\_group\_statistics\_conf message.
- Add new AutoOut, Preview, and Reservation call metrics to the query\_AGENT\_statistics\_conf and query\_skill\_group\_statistics\_conf messages.
- Added SessionID field to the AGENT STATE EVENT message.
- Add new BargeIn, Intercept, Monitor, Whisper, and Emergency call metrics to the query\_AGENT\_statistics\_conf and query\_skill\_group\_statistics\_conf messages.
- Added Supervisor services. See Supervisor Service in Chapter 5, "Application Level Interfaces."
- Added the following new messages:
  - SET\_DEVICE\_ATTRIBUTES\_REQ / CONF
  - SUPERVISOR ASSIST REQ/CONF
  - EMERGENCY CALL REQ/CONF
  - SUPERVISE\_CALL\_REQ/CONF
  - · AGENT TEAM CONFIG REQ/CONF/EVENT
  - SET APP DATA REQ/CONF
  - · AGENT\_DESK\_SETTINGS\_REQ/CONF
  - °LIST AGENT TEAM REQ/CONF
  - MONITOR AGENT TEAM START REQ/CONF
  - $\circ MONITOR\_AGENT\_TEAM\_STOP\_REQ/CONF$
  - $\circ\,BAD\_CALL\_REQ/CONF$
  - SET DEVICE ATTRIBUTES REQ/CONF
  - $\circ REGISTER\_SERVICE\_REQ/CONF$
  - UNREGISTER\_SERVICE\_REQ/CONF
  - START RECORDING REQ/CONF
  - STOP RECORDING REQ/CONF
- Added the CustomerPhoneNumber, and CustomerAccountNumber fields. Developers may receive these
  fields in the CALL\_DATA\_UPDATE\_EVENT messages.

The following is a list of additions and changes made to the CTI Server in Protocol Version 7 (ICM Version 4.5).

- Added the RTP STARTED EVENT and RTP STOPPED EVENT messages
- Added skill group parameters to the CALL DELIVERED EVENT message.
- Added LineHandle and LineType parameters to the CALL\_REACHED\_NETWORK\_EVENT message.

### **Protocol Version 6**

The following is a list of additions and changes made to the CTI Server in Protocol Version 6 (ICM Version 4.1).

- Added the NAMEDVAR and NAMEDARRAY data types.
- Added ICRCentralControllerTime and SystemCapabilities fields to the OPEN\_CONF and SYSTEM EVENT messages.
- System Events Service renamed to Miscellaneous Services.
- NamedVariable and NamedArray optional fields added to the following messages:
  - •BEGIN CALL EVENT
  - CALL DATA UPDATE EVENT
  - °CALL TRANSLATION ROUTE EVENT
  - SET\_CALL\_DATA\_REQ
  - CONFERENCE\_CALL\_REQ
  - ° CONSULTATION CALL REQ
  - MAKE\_CALL\_REQ
  - MAKE\_PREDICTIVE\_CALL\_REQ
  - •TRANSFER CALL REQ
  - SNAPSHOT\_CALL\_CONF
- $\bullet \ EventReasonCode \ field \ added \ to \ the \ AGENT\_STATE\_EVENT \ message.$
- AGENT PRE CALL EVENT and AGENT PRE CALL ABORT EVENT messages added .
- New messages added to Miscellaneous Services:
  - USER MESSAGE REQ/CONF
  - •USER MESSAGE EVENT
  - SUPERVISOR ASSIST REQ/CONF
  - EMERGENCY CALL REQ/CONF

- QUERY\_AGENT\_STATISTICS\_REQ/CONF
- $\circ QUERY\_SKILL\_GROUP\_STATISTICS\_REQ/CONF$
- AgentExtension and AgentID fields added to the QUERY\_AGENT\_STATE\_REQ message.
- New values SYS CTI SERVER OFFLINE, SYS CTI SERVER ONLINE, and SYS HALF HOUR CHANGE added to SystemEventID Values table (Table SystemEventID Values).
- Maximum length of all instances of the AgentInstrument field increased from 12 to 64 bytes.
- SystemCapabilities field removed from the OPEN CONF and SYSTEM EVENT messages.
- · NumNamedVariables and NumNamedArrays fixed fields added to all messages that contain the NamedVariable and NamedArray floating fields.
- Supervisor Service removed.
- Queue information added to the QUERY\_SKILL\_GROUP\_STATISTICS\_CONF message.
- AgentInstrument field added to QUERY AGENT STATE CONF message.
- Added the following fields to the QUERY\_DEVICE\_INFO\_CONF message:
  - MaxActiveCalls
  - MaxHeldCalls
  - MaxDevicesInConference
  - MakeCallSetup
  - TransferConferenceSetup
  - · CallEventsSupported
  - CallControlSupported
  - OtherFeaturesSupported
- New PGStatus code values PGS CTI SERVER OFFLINE and PGS LIMITED FUNCTION added to the PGStatusCode table (Table PGStatusCode Values).
- Added HandledCallsAfterCallTimeSession and HandledCallsAfterCallTimeToday fields to the QUERY\_AGENT\_STATISTICS\_CONF message.
- Added HandledCallsAfterCallTimeToHalf and HandledCallsAfterCallTimeToday fields to the QUERY SKILL GROUP STATISTICS CONF message.
- New Transfer/Conference Setup Mask values CONF\_SETUP\_SINGLE\_ACD\_CALL, TRANS SETUP SINGLE ACD CALL, and TRANS SETUP ANY SINGLE CALL added to the QUERY DEVICE INFO CONF message.
- New SystemEventIDs SYS INSTRUMENT OUT OF SERVICE and SYS INSTRUMENT BACK IN SERVICE added to the SystemEventID Values table (Table SystemEventID Values).
- Added REGISTER VARIABLES REQ and REGISTER VARIABLES CONF messages.
- Added MonitorID field to AGENT\_PRECALL\_EVENT and AGENT\_PRECALL\_ABORT\_EVENT messages.

- PeripheralID field added to the USER\_MESSAGE\_REQ message.
- Updated StatusCodes table (Table Failure Indication Message Status Codes).
- New LineTypes LINETYPE\_OUTBOUND and LINETYPE\_DID added to the LineTypes table (Table 6-14 LineType Values).
- Added ServiceNumber, ServiceID, SkillGroupNumber, SkillGroupID, and SkillGroupPriority fields to AGENT\_PRECALL\_EVENT message.
- Added note for CALL\_ESTABLISHED\_EVENT for Spectrum ACDs.
- Added /CCT (Call Control Table) optional field to the MAKE\_CALL\_REQ and MAKE\_PREDICTIVE\_CALL\_REQ messages.

The following is a list of additions and changes made to the CTI Server in Protocol Version 5 (ICM Version 4.0).

- Added Peripheral Monitor service and related messages.
- Added a new MonitorID field to all Call and Agent Event messages.
- Added Client Monitor service and related messages.
- Added CallingDeviceType and CallingDeviceID fields to the CALL\_SERVICE\_INITIATED\_EVENT message.
- Increased the maximum number of skill groups from 10 to 20.
- Added AlertRings, CallOption, AuthorizationCode, and AccountCode fields to the CONSULTATION\_CALL\_REQ, MAKE\_CALL\_REQ, and TRANSFER\_CALL\_REQ messages.
- Readded MAKE\_PREDICTIVE\_CALL\_REQ and MAKE\_PREDICTIVE\_CALL\_CONF messages.
- Added new SYS\_PERIPHERAL\_GATEWAY\_OFFLINE System Event ID to the SystemEventID Values table (Table PeripheralType Values).
- Added new AM\_NONE, AM\_NONE\_NO\_MODEM and AM\_CONNECT\_NO\_MODEM AnsweringMachine values to the AnsweringMachine Values table (Table AnsweringMachine Values).
- ANSWER\_CALL\_REQ message (Table SystemEventID Values) revised for peripherals that do not provide alerting call identification.
- Added fields for single step conference to the CONFERENCE CALL REQ message:
  - · CallPlacementType
  - CallMannerType
  - · AlertRings
  - · CallOption
  - FacilityType
  - Priority
  - · PostRoute

- · DialedNumber
- UserToUserInfo
- ° Call Variable 1 Call Variable 10
- · CallWrapupData
- · FacilityCode
- · AuthorizationCode
- AccountCode
- Replaced the AgentInstrument field in the MAKE PREDICTIVE CALL REQ message with the OriginatingDevice field.
- Added the following new fields to the MAKE\_PREDICTIVE\_CALL\_REQ message:
  - · AnswerDetectMode
  - AnswerDetectTime
  - · AnswerDetectControl1
  - AnswerDetectControl2
  - DestinationCountry
  - · OriginatingLineID
- PeripheralOnline field added to the OPEN\_CONF message.
- ClientPort field added to the CLIENT SESSION OPENED EVENT and CLIENT SESSION CLOSED EVENT messages.
- Optional AgentInstrument field added to the CLEAR\_CONNECTION\_REQ message.
- AnsweringMachine field added to the CONFERENCE\_CALL\_REQ and TRANSFER\_CALL\_REQ messages.
- Optional AgentInstrument field added to the CONSULTATION CALL REQ message.
- Added the symbolic constant NULL\_CALL\_ID to the Special Values table (Table Special Values Special Values).
- New peripheral types PT\_SIEMENS\_9005 and PT\_ALCATEL added to the PeripheralType Values table (Table PeripheralType Values).