



# **Feature Server-Derived Call Data**

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This chapter describes feature-related data that is placed within various fields in the call detail block (CDB) records. This data is generated by the Feature Servers, either internal or external, whenever a feature is invoked during the call. Up to three feature instances can be captured in a single call detail block. The format of the data and the possible values are shown in the following sections.

Each block of feature data contains up to four sub-fields, as follows:

- **ServiceId**—A string describing which services/features were involved in this billing event. The possible values are shown below. (Blue typeface indicates a hyperlink to the associated CDB table.)
  - 1 = CB—Call Block (not used)
  - 2 = CFU—Call Forward Unconditional
  - 3 = CW—Call Waiting
  - 4 = RPC—Repeat Call (not used)
  - 5 = RTC—Return Call (not used)
  - 6 = CHD—Call Hold
  - 7 = TWC—Three-way Calling
  - 8 = CT—Call Transfer
  - 9 = CND—Calling Number Delivery
  - 10 = CNDB—Calling Number Delivery Blocking
  - 11 = CFB—Call Forward on Busy
  - 12 = COS—Class of Service
  - 13 = CNAM\_SCP (13 or 60) (not used)
  - 14 = CFNA—Call Forward No Answer
  - 15 = AIN—AIN Handling (not used)
  - 16 = EMG—911 Handling
  - 17 = CDP—Custom Dialing Plan
  - 18 = CIDBP—Calling ID Delivery Block Permanent (not used)
  - 19 = SFGI—Service Feature Group Incoming
  - 20 = SFGO—Service Feature Group Outgoing

- 21 = CCW—Cancel Call Waiting
- 22 = USTWC—Usage Sensitive Three-way Calling
- 23 = TOLL-FREE—Toll Free Service (not used)
- 24 = ACCT—Account Code Service
- 25 = AUTH—Authorization Code Service
- 26 = LNP—Local Number Portability (not used)
- 27 = CIDS—Caller Identity Delivery Suspension
- 28 = CNAB—Calling Name Delivery Blocking
- 29 = CIDCW—Call Waiting with Caller Identity
- 30 = ACR—Anonymous Call Rejection
- 31 = TOLL-FREE-CALL—Toll Free Service
- 32 = COT—Customer Originated Trace
- 33 = CPRK—Call Park
- 34 = CPRK-RETRIEVAL—Call Park Retrieval
- 35 = CPRK-REOFFER—Call Park Reoffer
- 36 = DPU—Directed Call Pickup with Barge-In
- 37 = DPN—Directed Call Pickup without Barge-In
- 38 = HOTLINE—Hotline
- 39 = WARMLINE—Warmline
- 40 = BLV—Busy Line Verification Busy Line Interruption
- 41 = SCR—Selective Call Rejection
- 42 = SCF—Selective Call Forwarding
- 43 = SCA—Selective Call Acceptance
- 44 = AUTO-CALLBACK—Automatic Call Back
- 45 = AUTO-RECALL—Automatic Recall
- 46 = SPEED-CALL—Speed Calling
- 47 = DND—Do Not Disturb
- 48 = RACF—Remote Activation of Call Forwarding
- 49 = RACF\_PIN—Remote Activation of Call Forwarding PIN Change
- 50 = DRCW—Distinctive Ring Call Waiting
- 51 = SLE\_SCF—SLE-SCA SLE-SCF SLE-SCR SLE-DRCW
- 52 = SLE\_SCA—SLE-SCA SLE-SCF SLE-SCR SLE-DRCW
- 53 = SLE\_SCR—SLE-SCA SLE-SCF SLE-SCR SLE-DRCW
- 54 = SLE\_DRCW—SLE-SCA SLE-SCF SLE-SCR SLE-DRCW
- 55 = REJECT-CALLER—Reject Caller
- 56 = CWD—Call Waiting Deluxe
- 57 = TWCD—Three-way Calling Deluxe
- 58 = OCB—Outgoing Call Barring

- 59 = HOTV—Hotline Variable
- 60 = CNAM SCP Query
- 61 = SIP REFER
- 62 = CFC—Call Forwarding Combination
- 63 = NSA—No Solicitation Announcement
- 64 = PS—Privacy Screening
- 65 = VM—Voice Mail
- 66 = VM\_ACCESS—Voice Mail Access
- 67 = Limited Call Duration—PREPAID
- 68 = Limited Call Duration—POSTPAID
- 69=MULTIPLE\_DIRECTORY\_NUMBER
- 70=SIP\_REPLACE
- 71=CFR
- 72=OHT
- **-** 73=TAT
- 74=OCNA
- 75=SEAS
- 76=ENUM
- 77=ENUM LNP
- 78=TMB
- 79=GMB
- 80=ECB
- 81=TAS\_MODE
- 82=HN
- 83=CFNR
- 84=SNR (\*\* See Notes in the next section)
- 85=LONG-DUR-CUTOFF

#### Notes on the SNR feature:

For answered calls, two full-call CDRs are generated; one for the original call terminating on the master number and one for the call picked up by the final terminating party. All other forked calls have one CDR per call.

If a call goes to voice mail after SNR\_ACT, two billing records are created; one for SNR\_ACT and one for VM\_Access.

Because Single Number Reach (follow-me) uses CFU and VM service logic, the invocation of follow-me shows in CFU and VM billing records.

Table 3-1 has information on the Billing updates and feature information for the SNR feature.

• ServiceStatus1, ServiceStatus2, ServiceStatus3—A string denoting the type of invocation that occurred. This is not a field within the billing records, but rather an indication of service invocation types that can occur for a given service, and an indication of the corresponding timestamp field that is populated as a result. The valid invocation types are:

- INSTANCE
- ACTIVATION
- DEACTIVATION
- INTERROGATION
- FeatureDataOne, FeatureDataTwo, FeatureDataThree—A string containing the service/feature specific billing data as described in the following sections.
- **Result**—A string indicating if the action taken was successful or not. The valid values are as follows:
  - SUCCESS
  - FAILURE
  - ANI\_INVALID
  - ANI\_BLOCKED
  - CASUAL\_BLOCKED
  - II\_SCREENED
  - BW\_SCREENED
  - COS\_RESTRICTED
  - 2L-ACT ABANDONED VOICEBACK DN
  - 2L-ACT CONNECTED ANONYMOUS DN
  - COS\_INTERNAL\_ERROR
  - CALL\_BLOCKED
  - RESULT\_ UNKNOWN
  - USER\_ ABANDONED
  - INVALID\_PIN
  - PIN\_BLOCKED
  - BILLING\_INFO\_ TDISC\_CALL\_ BLOCKED—Calls blocked due to the subscriber being temporarily disconnected
  - BILLING\_INFO\_ VALID—Call was allowed for a temporarily disconnected subscriber
  - BILLING\_INFO\_ ABANDON\_ WHILE\_ ANNOUNCE
  - INSUFFICIENT\_QUOTA
  - MEDIATION\_REQUIRED
  - 305\_FAILURES—IP Trigger processing failure based on receipt of a SIP 305 response
- UsageFlag—A string indicating if the service invoked is considered usage sensitive or not. The valid values are:
  - FALSE
  - TRUE

Table 3-1 lists the available features including the fields, values, and associated CDB fields.

| Feature Name               | Field         | Value               | Associated CDB Fields   |
|----------------------------|---------------|---------------------|---|
| Account Code Service       | Serviceld     | ACCT                |   |
|                            | ServiceStatus | INSTANCE            | _   |
|                            | FeatureData   | Account Code        | AccountCode   |
|                            | Result        | _                   | _   |
| Authorization Code Service | ServiceId     | AUTH                | ServiceType1,<br>ServiceType2, or<br>ServiceType3                                     |
|                            | ServiceStatus | INSTANCE            |   |
|                            | FeatureData   | Auth Code           | AuthCode  |
|                            | Result        | _                   | _   |
| Reject Caller              | ServiceId     | reject-caller       | ServiceType1,<br>ServiceType2, or<br>ServiceType3                                     |
|                            | ServiceStatus | INSTANCE            | ServiceInstanceTime1,<br>ServiceInstanceTime2, or<br>ServiceInstanceTime3             |
|                            | FeatureData   | _                   | _   |
|                            | Result        | _                   | _   |
| Anonymous Call Rejection   | Serviceld     | ACR                 | ServiceType1,<br>ServiceType2, or<br>ServiceType3                                     |
|                            | ServiceStatus | INSTANCE            | ServiceInstanceTime1,<br>ServiceInstanceTime2, or<br>ServiceInstanceTime3             |
|                            |               | ACTIVATION          | ServiceActivationTime1,<br>ServiceActivationTime2, or<br>ServiceActivationTime3       |
|                            |               | DEACTIVATION        | ServiceDeactivationTime1,<br>ServiceDeactivationTime2, or<br>ServiceDeactivationTime3 |
|                            | FeatureData   | _                   | _   |
|                            | Result        | SUCCESS,<br>FAILURE | ServiceResultCode1,<br>ServiceResultCode2, or<br>ServiceResultCode3                   |

| Feature Name  | Field         | Value               | Associated CDB Fields   |
|---|---------------|---------------------|---|
| Call Hold   | Serviceld     | CHD                 | ServiceType1,<br>ServiceType2, or<br>ServiceType3                         |
|   | ServiceStatus | INSTANCE            | ServiceInstanceTime1,<br>ServiceInstanceTime2, or<br>ServiceInstanceTime3 |
|   | FeatureData   |                     | —   |
|   | Result        | SUCCESS,<br>FAILURE | ServiceResultCode1,<br>ServiceResultCode2, or<br>ServiceResultCode3       |
| Call Transfer<br>Call Transfer feature data blocks appear | Serviceld     | СТ                  | ServiceType1,<br>ServiceType2, or<br>ServiceType3                         |
| in the second call leg.                                   | ServiceStatus | INSTANCE            | ServiceInstanceTime1,<br>ServiceInstanceTime2, or<br>ServiceInstanceTime3 |
|   | FeatureData   | _                   | _   |
|   | Result        | SUCCESS,<br>FAILURE | ServiceResultCode1,<br>ServiceResultCode2, or<br>ServiceResultCode3       |
| Calling Name Delivery Blocking                            | Serviceld     | CNAB                | ServiceType1,<br>ServiceType2, or<br>ServiceType3                         |
|   | ServiceStatus | INSTANCE            | ServiceInstanceTime1,<br>ServiceInstanceTime2, or<br>ServiceInstanceTime3 |
|   | FeatureData   | _                   |   |
|   | Result        | _                   |   |
| Calling Number Delivery Blocking                          | Serviceld     | CNDB                | ServiceType1,<br>ServiceType2,or<br>ServiceType3                          |
|   | ServiceStatus | INSTANCE            | ServiceInstanceTime1,<br>ServiceInstanceTime2, or<br>ServiceInstanceTime3 |
|   | FeatureData   | <u> </u>            | —   |
|   | Result        | SUCCESS,<br>FAILURE | ServiceResultCode1,<br>ServiceResultCode2, or<br>ServiceResultCode3       |

| Feature Name                        | Field         | Value               | Associated CDB Fields   |
|-------------------------------------|---------------|---------------------|---|
| Call Waiting                        | Serviceld     | CW                  | ServiceType1,<br>ServiceType2, or<br>ServiceType3                         |
|                                     | ServiceStatus | INSTANCE            | ServiceInstanceTime1,<br>ServiceInstanceTime2, or<br>ServiceInstanceTime3 |
|                                     | FeatureData   | _                   |   |
|                                     | Result        | SUCCESS,<br>FAILURE | ServiceResultCode1,<br>ServiceResultCode2, or<br>ServiceResultCode3       |
| Cancel Call Waiting                 | Serviceld     | CCW                 | ServiceType1,<br>ServiceType2, or<br>ServiceType3                         |
|                                     | ServiceStatus | INSTANCE            | ServiceInstanceTime1,<br>ServiceInstanceTime2, or<br>ServiceInstanceTime3 |
|                                     | FeatureData   | _                   |   |
|                                     | Result        | SUCCESS,<br>FAILURE | ServiceResultCode1,<br>ServiceResultCode2, or<br>ServiceResultCode3       |
| Call Waiting with Caller Identity   | Serviceld     | CIDCW               | ServiceType1,<br>ServiceType2, or<br>ServiceType3                         |
|                                     | ServiceStatus | INSTANCE            | ServiceInstanceTime1,<br>ServiceInstanceTime2, or<br>ServiceInstanceTime3 |
|                                     | FeatureData   | _                   |   |
|                                     | Result        | SUCCESS,<br>FAILURE | ServiceResultCode1,<br>ServiceResultCode2, or<br>ServiceResultCode3       |
| Caller Identity Delivery Suspension | Serviceld     | CIDS                | ServiceType1,<br>ServiceType2, or<br>ServiceType3                         |
|                                     | ServiceStatus | INSTANCE            | ServiceInstanceTime1,<br>ServiceInstanceTime2, or<br>ServiceInstanceTime3 |
|                                     | FeatureData   | —                   | —   |
|                                     | Result        | SUCCESS,<br>FAILURE | ServiceResultCode1,<br>ServiceResultCode2, or<br>ServiceResultCode3       |

| Feature Name   | Field         | Value                                | Associated CDB Fields  |
|--|---------------|--------------------------------------|--|
| Call Forward Unconditional<br>Call Forward Unconditional data block                        | Serviceld     | CFU                                  | ServiceType1,<br>ServiceType2, or<br>ServiceType3  |
| appears on the second call leg created by<br>BTS 10200 when the CFU feature is<br>invoked. | ServiceStatus | FORWARDED                            | ServiceInstanceTime1,<br>ServiceInstanceTime2, or<br>ServiceInstanceTime3                |
|  |               | INSTANCE                             | ServiceInstanceTime1,<br>ServiceInstanceTime2, or<br>ServiceInstanceTime3                |
|  |               | ACTIVATION                           | ServiceActivationTime1,<br>ServiceActivationTime2, or<br>ServiceActivationTime3          |
|  |               | INTERROGATION                        | ServiceInterrogationTime1,<br>ServiceInterrogationTime2, or<br>ServiceInterrogationTime3 |
|  |               | DEACTIVATION                         | ServiceDeactivationTime1,<br>ServiceDeactivationTime2, or<br>ServiceDeactivationTime3    |
|  | FeatureData   | Forwarded to DN (Forwarded)          | Forwarded, Instance<br>FeatureData1,   |
|  |               | Related BCID<br>(Instance)           | FeatureData2, or<br>FeatureData3   |
|  |               | DN (Activation)                      | Activation   |
|  |               | N/A (Deactivation and Interrogation) | FeatureDataOne1,<br>FeatureDataOne2, or<br>FeatureDataOne3                               |
|  |               |                                      | Deactivation, Interrrogation   |
|  |               |                                      | N/A  |
|  | Result        | SUCCESS,<br>FAILURE                  | ServiceResultCode1,<br>ServiceResultCode2, or<br>ServiceResultCode3                      |
|  |               |                                      |  |

| Feature Name           | Field         | Value               | Associated CDB Fields   |
|------------------------|---------------|---------------------|---|
| Call Forward No Answer | Serviceld     | CFNA                | ServiceType1,<br>ServiceType2, or<br>ServiceType3   |
|                        | ServiceStatus | INSTANCE            | ServiceInstanceTime1,<br>ServiceInstanceTime2, or<br>ServiceInstanceTime3                     |
|                        |               | ACTIVATION          | ServiceActivationTime1,<br>ServiceActivationTime2, or<br>ServiceActivationTime3               |
|                        |               | INTERROGATION       | ServiceInterrogationTime1,<br>ServiceInterrogationTime2, or<br>ServiceInterrogationTime3      |
|                        |               | DEACTIVATION        | ServiceDeactivationTime1,<br>ServiceDeactivationTime2, or<br>ServiceDeactivationTime3         |
|                        | FeatureData   | Redirected Number   | Instance  |
|                        |               | (Instance)          | FeatureData1,   |
|                        |               | DN (Activation)     | FeatureData2, or  |
|                        |               | N/A (Deactivation & | FeatureData3  |
|                        |               | Interrogation)      | In the case of Instance, this field is<br>used only if CFNA uses 302 to<br>redirect the call. |
|                        |               |                     | Activation  |
|                        |               |                     | FeatureDataOne1,<br>FeatureDataOne2, or<br>FeatureDataOne3                                    |
|                        |               |                     | Deactivation, Interrogation   |
|                        |               |                     | _   |
|                        | Result        | SUCCESS,<br>FAILURE | ServiceResultCode1,<br>ServiceResultCode2, or<br>ServiceResultCode3                           |

| Feature Name         | Field         | Value               | Associated CDB Fields  |
|----------------------|---------------|---------------------|--|
| Call Forward on Busy | ServiceId     | CFB                 | ServiceType1,<br>ServiceType2, or<br>ServiceType3  |
|                      | ServiceStatus | INSTANCE            | ServiceInstanceTime1,<br>ServiceInstanceTime2, or<br>ServiceInstanceTime3                |
|                      |               | ACTIVATION          | ServiceActivationTime1,<br>ServiceActivationTime2, or<br>ServiceActivationTime3          |
|                      |               | INTERROGATION       | ServiceInterrogationTime1,<br>ServiceInterrogationTime2, or<br>ServiceInterrogationTime3 |
|                      |               | DEACTIVATION        | ServiceDeactivationTime1,<br>ServiceDeactivationTime2, or<br>ServiceDeactivationTime3    |
|                      | FeatureData   | DN                  | Activation   |
|                      |               | (On Activation)     | FeatureDataOne1,<br>FeatureDataOne2, or<br>FeatureDataOne3                               |
|                      |               |                     | Instance, Deactivation,<br>Interrogation   |
|                      | Result        | SUCCESS,<br>FAILURE | ServiceResultCode1,<br>ServiceResultCode2, or<br>ServiceResultCode3                      |
| Call Park            | Serviceld     | CPRK                | ServiceType1,<br>ServiceType2, or<br>ServiceType3  |
|                      | ServiceStatus | INSTANCE            | ServiceInstanceTime1,<br>ServiceInstanceTime2, or<br>ServiceInstanceTime3                |
|                      | FeatureData   |                     | _  |
|                      | Result        | _                   | _  |
| Call Park Reoffer    | Serviceld     | CPRK-REOFFER        | ServiceType1,<br>ServiceType2, or<br>ServiceType3  |
|                      | ServiceStatus | INSTANCE            | ServiceInstanceTime1,<br>ServiceInstanceTime2, or<br>ServiceInstanceTime3                |
|                      | FeatureData   | _                   | _  |
|                      | Result        |                     |  |

| Feature Name                                     | Field         | Value                                | Associated CDB Fields   |
|--|---------------|--------------------------------------|---|
| Call Park Retrieval                              | Serviceld     | CPRK-RETRIEVAL                       | ServiceType1,<br>ServiceType2, or<br>ServiceType3                         |
|  | ServiceStatus | INSTANCE                             | ServiceInstanceTime1,<br>ServiceInstanceTime2, or<br>ServiceInstanceTime3 |
|  | FeatureData   | _                                    | _   |
|  | Result        | _                                    | _   |
| Busy Line Verification<br>Busy Line Interruption | Serviceld     | BLV                                  | ServiceType1,<br>ServiceType2, or<br>ServiceType3                         |
|  | ServiceStatus | INSTANCE                             | ServiceInstanceTime1,<br>ServiceInstanceTime2, or<br>ServiceInstanceTime3 |
|  | FeatureData   | —                                    | —   |
|  | Result        | _                                    | _   |
| Directed Call Pickup<br>with Barge-In            | Serviceld     | DPU                                  | ServiceType1,<br>ServiceType2, or<br>ServiceType3                         |
|  | ServiceStatus | INSTANCE                             | ServiceInstanceTime1,<br>ServiceInstanceTime2, or<br>ServiceInstanceTime3 |
|  | FeatureData   | DN from where the call was picked up | FeatureDataOne1,<br>FeatureDataOne2, or<br>FeatureDataOne3                |
|  | Result        | _                                    | _   |
| Directed Call Pickup<br>without Barge-In         | Serviceld     | DPN                                  | ServiceType1,<br>ServiceType2, or<br>ServiceType3                         |
|  | ServiceStatus | INSTANCE                             | ServiceInstanceTime1,<br>ServiceInstanceTime2, or<br>ServiceInstanceTime3 |
|  | FeatureData   | DN from where the call was picked up | FeatureDataOne1,<br>FeatureDataOne2, or<br>FeatureDataOne3                |
|  | Result        | —                                    | —   |

| Feature Name                      | Field         | Value               | Associated CDB Fields  |
|-----------------------------------|---------------|---------------------|--|
| Three-way Calling                 | Serviceld     | TWC                 | ServiceType1,<br>ServiceType2, or<br>ServiceType3                                |
|                                   | ServiceStatus | INSTANCE            | ServiceInstanceTime1,<br>ServiceInstanceTime2, or<br>ServiceInstanceTime3        |
|                                   | FeatureData   | _                   | —  |
|                                   | Result        | _                   | —  |
| Usage Sensitive Three-way Calling | Serviceld     | USTWC               | ServiceType1,<br>ServiceType2, or<br>ServiceType3                                |
|                                   | ServiceStatus | INSTANCE            | ServiceInstanceTime1,<br>ServiceInstanceTime2, or<br>ServiceInstanceTime3        |
|                                   | FeatureData   | _                   | —  |
|                                   | Result        | _                   | —  |
|                                   | Usage Flag    | Y / N               | ServiceUsageSensitive1 or<br>ServiceUsageSensitive2 or<br>ServiceUsageSensitive3 |
| Toll Free Service                 | ServiceId     | TOLL-FREE-SCP       | ServiceType1,  |
|                                   |               | TOLL-FREE-LOCA<br>L | ServiceType2, or<br>ServiceType3   |
|                                   | ServiceStatus | INSTANCE            | ServiceInstanceTime1,<br>ServiceInstanceTime2, or<br>ServiceInstanceTime3        |
|                                   | FeatureData   | NPA-NXX-XXXX        | ReturnedNumber   |
|                                   | Result        | SUCCESS             | ServiceResultCode1,  |
|                                   |               | FAILURE             | ServiceResultCode2, or<br>ServiceResultCode3                                     |
|                                   |               | ANI_INVALID         | Servicesurecodes   |
|                                   |               | ANI_BLOCKED         |  |
|                                   |               | CASUAL_BLOCKE<br>D  |  |
|                                   |               | II_SCREENED         |  |
|                                   |               | BW_SCREENED         |  |
|                                   |               | COS_RESTRICTED      |  |

| Feature Name  | Field         | Value                       | Associated CDB Fields   |
|---|---------------|-----------------------------|---|
| Customer Originated Trace   | Serviceld     | СОТ                         | ServiceType1,<br>ServiceType2, or<br>ServiceType3                                     |
|   | ServiceStatus | INSTANCE                    | ServiceInstanceTime1,<br>ServiceInstanceTime2, or<br>ServiceInstanceTime3             |
|   | FeatureData   | Last Calling Number<br>(DN) | FeatureDataOne1,<br>FeatureDataOne2, or<br>FeatureDataOne3                            |
|   | Result        | SUCCESS                     | ServiceResultCode1,   |
|   |               | FAILURE                     | ServiceResultCode2, or<br>ServiceResultCode3  |
|   |               | ANI_INVALID                 | serviceResulteodes  |
|   |               | ANI_BLOCKED                 |   |
|   |               | CASUAL_BLOCKE<br>D          |   |
|   |               | II_SCREENED                 |   |
|   |               | BW_SCREENED                 |   |
|   |               | COS_RESTRICTED              |   |
|   | Usage Flag    | Y / N                       | ServiceUsageSensitive1,<br>ServiceUsageSensitive2, or<br>ServiceUsageSensitive3       |
| Selective Call Acceptance<br>This FCI is generated only when the call | Serviceld     | SCA                         | ServiceType1,<br>ServiceType2, or<br>ServiceType3                                     |
| is rejected because of SCA.   | ServiceStatus | INSTANCE                    | ServiceInstanceTime1,<br>ServiceInstanceTime2, or<br>ServiceInstanceTime3             |
|   |               | ACTIVATION                  | ServiceActivationTime1,<br>ServiceActivationTime2, or<br>ServiceActivationTime3       |
|   |               | DEACTIVATION                | ServiceDeactivationTime1,<br>ServiceDeactivationTime2, or<br>ServiceDeactivationTime3 |
|   | FeatureData   | _                           | _   |
|   | Result        | _                           | <u> </u>  |

| Feature Name  | Field         | Value            | Associated CDB Fields   |
|---|---------------|------------------|---|
| <b>Selective Call Forwarding</b><br>This FCI is generated only when the call<br>is rejected because of SCA. | ServiceId     | SCF              | ServiceType1,<br>ServiceType2, or<br>ServiceType3                                     |
|   | ServiceStatus | INSTANCE         | ServiceInstanceTime1,<br>ServiceInstanceTime2, or<br>ServiceInstanceTime3             |
|   |               | ACTIVATION       | ServiceActivationTime1,<br>ServiceActivationTime2, or<br>ServiceActivationTime3       |
|   |               | DEACTIVATION     | ServiceDeactivationTime1,<br>ServiceDeactivationTime2, or<br>ServiceDeactivationTime3 |
|   | FeatureData   |                  | _   |
|   | Result        | _                | _   |
|   |               |                  |   |
| Selective Call RejectionNoteThis FCI is generated only when   | Serviceld     | SCR              | ServiceType1,<br>ServiceType2, or<br>ServiceType3                                     |
| the call is rejected because of SCR.  | ServiceStatus | INSTANCE         | ServiceInstanceTime1,<br>ServiceInstanceTime2, or<br>ServiceInstanceTime3             |
|   |               | ACTIVATION       | ServiceActivationTime1,<br>ServiceActivationTime2, or<br>ServiceActivationTime3       |
|   |               | DEACTIVATION     | ServiceDeactivationTime1,<br>ServiceDeactivationTime2, or<br>ServiceDeactivationTime3 |
|   | FeatureData   | _                | _   |
|   | Result        | —                | —   |
| Single Number Reach   | Serviceld     | SNR              |   |
| Description of the Children of the Description  | Feature ID    | SNR              |   |
| Reported when the Single Number Reach number is addressed.  | ServiceStatus | INSTANCE         |   |
| indicer is undressed.   | FeatureData   | _                | _   |
|   | Result        | Success, Failure | _   |

| Feature Name   | Field         | Value   | Associated CDB Fields   |
|--|---------------|---|---|
| Single Number Reach  | Serviceld     | SNR   |   |
|  | Feature ID    | SNR   |   |
| Reported when a call is attempted to the subscriber in the Single Number Reach   | ServiceStatus | FORWARDED   |   |
| profile.   | FeatureData   | Related-BCID                                      |   |
|  | Result        | Success, Failure                                  |   |
|  |               |   |   |
| Single Number Reach Activation   | Serviceld     | SNR   |   |
|  | Feature ID    | SNR_ACT   |   |
| Reported when the Single Number Reach activation feature is accessed. Success is | ServiceStatus | ACTIVATION  |   |
| reported when subscriber successfully<br>passes PIN authentication.              | FeatureData   | Single Number Reach<br>number being<br>configured |   |
|  | Result        | Success, Failure,<br>Invalid PIN, PIN<br>Blocked  |   |
| Automatic Call Back  | Serviceld     | AUTO-CALLBACK                                     | ServiceType1,<br>ServiceType2, or<br>ServiceType3                                     |
|  | ServiceStatus | INSTANCE  | ServiceInstanceTime1,<br>ServiceInstanceTime2, or<br>ServiceInstanceTime3             |
|  |               | ACTIVATION  | ServiceActivationTime1,<br>ServiceActivationTime2, or<br>ServiceActivationTime3       |
|  |               | DEACTIVATION                                      | ServiceDeactivationTime1,<br>ServiceDeactivationTime2, or<br>ServiceDeactivationTime3 |
|  | FeatureData   | —   | —   |
|  | Result        | —   | —   |
|  | Usage Flag    | Y/N   | ServiceUsageSensitive1,<br>ServiceUsageSensitive2, or<br>ServiceUsageSensitive3       |

| Feature Name     | Field         | Value  | Associated CDB Fields   |
|------------------|---------------|--|---|
| Automatic Recall | Serviceld     | AUTO-RECALL  | ServiceType1,<br>ServiceType2, or<br>ServiceType3                                     |
|                  | ServiceStatus | INSTANCE   | ServiceInstanceTime1,<br>ServiceInstanceTime2, or<br>ServiceInstanceTime3             |
|                  |               | ACTIVATION   | ServiceActivationTime1,<br>ServiceActivationTime2, or<br>ServiceActivationTime3       |
|                  |               | DEACTIVATION   | ServiceDeactivationTime1,<br>ServiceDeactivationTime2, or<br>ServiceDeactivationTime3 |
|                  | FeatureData   | 1-LEVEL or<br>2-LEVEL  | <u>Activation</u><br>FeatureDataOne1,   |
|                  |               | (Activation)<br>N/A (Instance &<br>Deactivation)   | FeatureDataOne2, or<br>FeatureDataOne3  |
|                  |               |  | Instance, Deactivation  |
|                  |               |  | —   |
|                  | Result        | SUCCESS,<br>FAILURE, 2L-ACT<br>ABANDONED<br>VOICEBACK DN,<br>2L-ACT<br>CONNECTED<br>ANONYMOUS DN | ServiceResultCode1,<br>ServiceResultCode2,<br>ServiceResultCode3                      |
|                  | Usage Flag    | Y/N  | ServiceUsageSensitive1,<br>ServiceUsageSensitive2, or<br>ServiceUsageSensitive3       |

| Feature Name   | Field         | Value              | Associated CDB Fields   |
|----------------|---------------|--------------------|---|
| Speed Calling  | Serviceld     | SPEED-CALL         | ServiceType1,<br>ServiceType2, or<br>ServiceType3                                     |
|                | ServiceStatus | INSTANCE           | ServiceInstanceTime1,<br>ServiceInstanceTime2, or<br>ServiceInstanceTime3             |
|                |               | ACTIVATION         | ServiceActivationTime1,<br>ServiceActivationTime2, or<br>ServiceActivationTime3       |
|                |               | DEACTIVATION       | ServiceDeactivationTime1,<br>ServiceDeactivationTime2, or<br>ServiceDeactivationTime3 |
|                | FeatureData   | Speed Dial Code    | FeatureDataOne1,<br>FeatureDataOne2, or<br>FeatureDataOne3                            |
|                | Result        | SUCCESS            | ServiceResultCode1,   |
|                |               | FAILURE            | ServiceResultCode2, or<br>ServiceResultCode3  |
|                |               | ANI_INVALID        | ServiceResultCode5  |
|                |               | ANI_BLOCKED        |   |
|                |               | CASUAL_BLOCKE<br>D |   |
|                |               | II_SCREENED        |   |
|                |               | BW_SCREENED        |   |
|                |               | COS_RESTRICTED     |   |
|                |               | CALL_BLOCKED       |   |
|                |               | RESULT_UNKNOW<br>N |   |
| Do Not Disturb | Serviceld     | dnd                | ServiceType1,<br>ServiceType2, or<br>ServiceType3                                     |
|                | ServiceStatus | INSTANCE           | ServiceInstanceTime1,<br>ServiceInstanceTime2, or<br>ServiceInstanceTime3             |
|                |               | activation         | ServiceActivationTime1,<br>ServiceActivationTime2, or<br>ServiceActivationTime3       |
|                |               | deactivation       | ServiceDeactivationTime1,<br>ServiceDeactivationTime2, or<br>ServiceDeactivationTime3 |
|                | FeatureData   | —                  | —   |
|                | Result        | _                  | <u> _</u>   |

| Feature Name  | Field         | Value              | Associated CDB Fields   |
|---|---------------|--------------------|---|
| Remote Activation of Call Forwarding                  | Serviceld     | racf               | ServiceType1,<br>ServiceType2, or<br>ServiceType3                                     |
|   | ServiceStatus | activation         | ServiceActivationTime1,<br>ServiceActivationTime2, or<br>ServiceActivationTime3       |
|   |               | deactivation       | ServiceDeactivationTime1,<br>ServiceDeactivationTime2, or<br>ServiceDeactivationTime3 |
|   | FeatureData   | _                  | _   |
|   | Result        | _                  | —   |
| Remote Activation of<br>Call Forwarding<br>PIN Change | Serviceld     | racf-pin           | ServiceType1,<br>ServiceType2, or<br>ServiceType3                                     |
|   | ServiceStatus | instance           | ServiceInstanceTime1,<br>ServiceInstanceTime2, or<br>ServiceInstanceTime3             |
|   | FeatureData   | _                  |   |
|   | Result        | SUCCESS            | ServiceResultCode1,   |
|   |               | FAILURE            | ServiceResultCode2, or<br>ServiceResultCode3  |
|   |               | ANI_INVALID        | Service ResultCodes   |
|   |               | ANI_BLOCKED        |   |
|   |               | CASUAL_BLOCKE<br>D |   |
|   |               | II_SCREENED        |   |
|   |               | BW_SCREENED        |   |
|   |               | COS_RESTRICTED     |   |

| Feature Name                   | Field         | Value                                      | Associated CDB Fields   |
|--------------------------------|---------------|--|---|
| Screening List Editing Session | Serviceld     | SLE-SCA<br>SLE-SCF<br>SLE-SCR<br>SLE-DRCW  | ServiceType1,<br>ServiceType2, or<br>ServiceType3                         |
|                                | ServiceStatus | INSTANCE                                   | ServiceInstanceTime1,<br>ServiceInstanceTime2, or<br>ServiceInstanceTime3 |
|                                | FeatureData   | Size of list at end of the editing session | FeatureDataOne1,<br>FeatureDataOne2, or<br>FeatureDataOne3                |
|                                | Result        | SUCCESS                                    | ServiceResultCode1,   |
|                                |               | FAILURE                                    | ServiceResultCode2, or<br>ServiceResultCode3                              |
|                                |               | ANI_INVALID                                | Service ResultCode 5  |
|                                |               | ANI_BLOCKED                                |   |
|                                |               | CASUAL_BLOCKE<br>D                         |   |
|                                |               | II_SCREENED                                |   |
|                                |               | BW_SCREENED                                |   |
|                                |               | COS_RESTRICTED                             |   |
|                                |               | CALL_BLOCKED                               |   |
|                                |               | RESULT_UNKNOW<br>N                         |   |
| Local Number Portability       | Serviceld     | LNP  | ServiceType1,<br>ServiceType2, or<br>ServiceType3                         |
|                                | ServiceStatus | INSTANCE                                   | ServiceInstanceTime1,<br>ServiceInstanceTime2, or<br>ServiceInstanceTime3 |
|                                | FeatureData   |  | _   |
|                                | Result        | SUCCESS                                    | ServiceResultCode1,   |
|                                |               | FAILURE                                    | ServiceResultCode2, or<br>ServiceResultCode3                              |
|                                |               | ANI_INVALID                                |   |
|                                |               | ANI_BLOCKED                                |   |
|                                |               | CASUAL_BLOCKE<br>D                         |   |
|                                |               | II_SCREENED                                |   |
|                                |               | BW_SCREENED                                |   |
|                                |               | COS_RESTRICTED                             |   |
|                                |               |  |   |

| Feature Name              | Field         | Value  | Associated CDB Fields  |
|---------------------------|---------------|--|--|
| Long Duration Call Cutoff | Serviceld     | LONG-DUR-CUTOF<br>F  | ServiceType1,<br>ServiceType2, or<br>ServiceType3  |
|                           | ServiceStatus | INSTANCE   | ServiceStatus1,<br>ServiceStatus2, or<br>ServiceStatus3                                  |
|                           | FeatureData   | _  |  |
|                           | Result        |  | ServiceResultCode1,<br>ServiceResultCode2, or<br>ServiceResultCode3                      |
| Outgoing Call Barring     | Serviceld     | OCB  | ServiceType1,<br>ServiceType2, or<br>ServiceType3  |
|                           | ServiceStatus | INSTANCE   | ServiceInstanceTime1,<br>ServiceInstanceTime2, or<br>ServiceInstanceTime3                |
|                           |               | ACTIVATION   | ServiceActivationTime1,<br>ServiceActivationTime2, or<br>ServiceActivationTime3          |
|                           |               | INTERROGATION  | ServiceInterrogationTime1,<br>ServiceInterrogationTime2, or<br>ServiceInterrogationTime3 |
|                           |               | DEACTIVATION   | ServiceDeactivationTime1,<br>ServiceDeactivationTime2, or<br>ServiceDeactivationTime3    |
|                           | FeatureData   | "1", "2", "3", "4",  | Activation   |
|                           |               | "5", "6", "7", "8", or<br>"9" (Activation)<br>N/A (Instance, | FeatureDataOne1<br>FeatureDataOne2, or<br>FeatureDataOne3                                |
|                           |               | Deactivation &<br>Interrogation)                             | Instance, Deactivation,<br>Interrogation   |
|                           |               |  | N/A  |
|                           | Result        |  | _  |

| Feature Name   | Field         | Value         | Associated CDB Fields  |
|--|---------------|---------------|--|
| Call Waiting Deluxe  | Serviceld     | CWD           | ServiceType1,<br>ServiceType2, or<br>ServiceType3  |
|  | ServiceStatus | INSTANCE      | ServiceInstanceTime1,<br>ServiceInstanceTime2, or<br>ServiceInstanceTime3                |
|  |               | ACTIVATION    | ServiceActivationTime1,<br>ServiceActivationTime2, or<br>ServiceActivationTime3          |
|  |               | INTERROGATION | ServiceInterrogationTime1,<br>ServiceInterrogationTime2, or<br>ServiceInterrogationTime3 |
|  |               | DEACTIVATION  | ServiceDeactivationTime1,<br>ServiceDeactivationTime2, or<br>ServiceDeactivationTime3    |
|  | FeatureData   | _             | _  |
|  | Result        |               | _  |
| Three-way Calling Deluxe   | Serviceld     | TWCD          | ServiceType1,<br>ServiceType2, or<br>ServiceType3  |
|  | ServiceStatus | INSTANCE      | ServiceInstanceTime1,<br>ServiceInstanceTime2, or<br>ServiceInstanceTime3                |
|  | FeatureData   | _             | _  |
|  | Result        | _             | _  |
| Warmline<br>Note This FCI is generated only when<br>the user does not dial any number. | Serviceld     | WARMLINE      | ServiceType1,<br>ServiceType2, or<br>ServiceType3  |
|  | ServiceStatus | INSTANCE      | ServiceInstanceTime1,<br>ServiceInstanceTime2, or<br>ServiceInstanceTime3                |
|  | FeatureData   | _             | _  |
|  | Result        | _             | _  |
| Hotline  | Serviceld     | HOTLINE       | ServiceType1,<br>ServiceType2, or<br>ServiceType3  |
|  | ServiceStatus | INSTANCE      | ServiceInstanceTime1,<br>ServiceInstanceTime2, or<br>ServiceInstanceTime3                |
|  | FeatureData   | _             | _  |
|  | Result        |               |  |

| Feature Name     | Field         | Value  | Associated CDB Fields  |
|------------------|---------------|--|--|
| Hotline Variable | Serviceld     | HOTV   | ServiceType1,<br>ServiceType2, or<br>ServiceType3  |
|                  | ServiceStatus | INSTANCE   | ServiceInstanceTime1,<br>ServiceInstanceTime2, or<br>ServiceInstanceTime3                |
|                  |               | ACTIVATION   | ServiceActivationTime1,<br>ServiceActivationTime2, or<br>ServiceActivationTime3          |
|                  |               | INTERROGATION                                      | ServiceInterrogationTime1,<br>ServiceInterrogationTime2, or<br>ServiceInterrogationTime3 |
|                  |               | DEACTIVATION                                       | ServiceDeactivationTime1,<br>ServiceDeactivationTime2, or<br>ServiceDeactivationTime3    |
|                  | FeatureData   | DN (Activation)                                    | Activation   |
|                  |               | N/A (Instance,<br>Deactivation &<br>Interrogation) | FeatureDataOne1,<br>FeatureDataOne2, or<br>FeatureDataOne3                               |
|                  |               |  | Instance, Deactivation,<br>Interrogation   |
|                  | Result        | VALID  |  |

| Feature Name     | Field         | Value  | Associated CDB Fields   |
|------------------|---------------|--|---|
| Class of Service | Serviceld     | COS  | ServiceType1,<br>ServiceType2, or<br>ServiceType3                         |
|                  | ServiceStatus | INSTANCE   | ServiceInstanceTime1,<br>ServiceInstanceTime2, or<br>ServiceInstanceTime3 |
|                  | FeatureData   |  | _   |
|                  | Result        | SUCCESS,<br>FAILURE,<br>ANI_INVALID,<br>ANI_BLOCKED,<br>CASUAL_<br>BLOCKED,<br>II_SCREENED,<br>BW_SCREENED,<br>COS_<br>RESTRICTED,<br>COS_INTERNAL_E<br>RROR,<br>CALL_BLOCKED,<br>RESULT_<br>UNKNOWN, USER_<br>ABANDONED,<br>INVALID_PIN,<br>PIN_BLOCKED<br>BILLING_INFO_<br>TDISC_CALL_<br>BLOCKED,<br>BILLING_INFO_<br>VALID | ServiceResultCode1,<br>ServiceResultCode2, or<br>ServiceResultCode3       |

| Feature Name  | Field   | Value  | Associated CDB Fields  |
|---|---|--|--|
| SIP Refer   | Serviceld   | REFER  | ServiceType1,<br>ServiceType2, or<br>ServiceType3  |
| SIP REFER feature data blocks appear in<br>the second call leg instead of the first as<br>they did in the previous release. | ServiceStatus   | INSTANCE   | ServiceInstanceTime1,<br>ServiceInstanceTime2, or<br>ServiceInstanceTime3                |
|   | FeatureData   | Refer To   | FeatureDataOne1,<br>FeatureDataOne2,<br>orFeatureDataOne3                                |
|   | FeatureDataTwo  | Referred By  | FeatureDataTwo1,<br>FeatureDataTwo2, or<br>FeatureDataTwo3                               |
|   | FeatureDataThree  | Replaced Call ID                                       | FeatureDataThree1,<br>FeatureDataThree2, or<br>FeatureDataThree3                         |
|   | Result  | SUCCESS,<br>FAILURE                                    | ServiceResultCode1,<br>ServiceResultCode2, or<br>ServiceResultCode3                      |
| Call Forwarding<br>Combination  | Serviceld   | CFC  | ServiceType1, ServiceType2, or<br>ServiceType3   |
|   | ServiceStatus   | ACTIVATION   | ServiceActivationTime1,<br>ServiceActivationTime2, or<br>ServiceActivationTime3          |
|   |   | DEACTIVATION   | ServiceDeactivationTime1,<br>ServiceDeactivationTime2, or<br>ServiceDeactivationTime3    |
|   |   | INTERROGATION  | ServiceInterrogationTime1,<br>ServiceInterrogationTime2, or<br>ServiceInterrogationTime3 |
|   |   | INSTANCE   | ServiceInstanceTime1,<br>ServiceInstanceTime2, or<br>ServiceInstanceTime3                |
|   | FeatureData   | DN (Activation)  | Activation   |
|   | For Instance, the<br>field is used only if<br>CFC uses 302 to | Redirected Number<br>(Instance)<br>N/A (Deactivation & | FeatureDataOne1,<br>FeatureDataOne2, or<br>FeatureDataOne3                               |
|   | redirect the call.  | Interrogation)   | Instance   |
|   |   |  | FeatureData1, FeatureData2, or FeatureData3  |
|   |   |  | Deactivation, Interrogation  |
|   |   |  | N/A  |

| Feature Name                    | Field         | Value   | Associated CDB Fields   |
|---------------------------------|---------------|---|---|
|                                 | Result        | SUCCESS,<br>FAILURE   | ServiceResultCode1,<br>ServiceResultCode2, or<br>ServiceResultCode3                   |
| No Solicitation<br>Announcement | Serviceld     | NSA   | ServiceType1, ServiceType2, or<br>ServiceType3  |
|                                 | ServiceStatus | ACTIVATION  | ServiceActivationTime1,<br>ServiceActivationTime2, or<br>ServiceActivationTime3       |
|                                 |               | DEACTIVATION  | ServiceDeactivationTime1,<br>ServiceDeactivationTime2, or<br>ServiceDeactivationTime3 |
|                                 |               | INSTANCE  | ServiceInstanceTime1,<br>ServiceInstanceTime2, or<br>ServiceInstanceTime3             |
|                                 | FeatureData   | _   | _   |
|                                 | Result        | SUCCESS (all),<br>FAILURE (all),<br>BILLING_INFO_<br>ABANDON_<br>WHILE_<br>ANNOUNCE<br>(Instance) | ServiceResultCode1,<br>ServiceResultCode2, or<br>ServiceResultCode3                   |
| Privacy Screening               | Serviceld     | PS  | ServiceType1, ServiceType2, or<br>ServiceType3  |
|                                 | ServiceStatus | ACTIVATION  | ServiceActivationTime1,<br>ServiceActivationTime2, or<br>ServiceActivationTime3       |
|                                 |               | DEACTIVATION  | ServiceDeactivationTime1,<br>ServiceDeactivationTime2, or<br>ServiceDeactivationTime3 |
|                                 |               | INSTANCE  | ServiceInstanceTime1,<br>ServiceInstanceTime2, or<br>ServiceInstanceTime3             |
|                                 | FeatureData   | NONE, NUMBER,   | Instance  |
|                                 |               | NAME-NUMBER<br>(Instance)<br>N/A (Activation and  | FeatureDataOne1,<br>FeatureDataOne2, or<br>FeatureDataOne3                            |
|                                 |               | Deactivation  | Activation, Deactivation  |
|                                 | Result        | SUCCESS,<br>FAILURE   | <br>ServiceResultCode1,<br>ServiceResultCode2, or<br>ServiceResultCode3               |

| Feature Name                  | Field         | Value               | Associated CDB Fields   |
|-------------------------------|---------------|---------------------|---|
| Voice Mail                    | Serviceld     | VM                  | ServiceType1, ServiceType2, or ServiceType3   |
|                               | ServiceStatus | ACTIVATION          | ServiceActivationTime1,<br>ServiceActivationTime2, or<br>ServiceActivationTime3       |
|                               |               | DEACTIVATION        | ServiceDeactivationTime1,<br>ServiceDeactivationTime2, or<br>ServiceDeactivationTime3 |
|                               |               | INSTANCE            | ServiceInstanceTime1,<br>ServiceInstanceTime2, or<br>ServiceInstanceTime3             |
|                               | FeatureData   | _                   | _   |
|                               | Result        | SUCCESS,<br>FAILURE | ServiceResultCode1,<br>ServiceResultCode2, or<br>ServiceResultCode3                   |
| Voice Mail Access             | Serviceld     | VM ACCESS           | ServiceType1, ServiceType2, or<br>ServiceType3  |
|                               | ServiceStatus | INSTANCE            | ServiceInstanceTime1,<br>ServiceInstanceTime2, or<br>ServiceInstanceTime3             |
|                               | FeatureData   | N/A                 | N/A   |
|                               | Result        | SUCCESS,<br>FAILURE | ServiceResultCode1,<br>ServiceResultCode2, or<br>ServiceResultCode3                   |
| Limited Call Duration—PREPAID | Serviceld     | LCD_PREPAID         | ServiceType1, ServiceType2, or<br>ServiceType3  |

| Feature Name  | Field         | Value   | Associated CDB Fields   |
|---|---------------|---|---|
| This is a unique identifier associated with<br>each call originating on the Cisco 10200<br>Softswitch and authenticated through the   | ServiceStatus | INSTANCE  | ServiceInstanceTime1,<br>ServiceInstanceTime2, or<br>ServiceInstanceTime3       |
| prepaid server. It is a 16-byte value in<br>hexadecimal notation, for example,<br>0f3322110a33225589767673898783ff.<br>This identifier is generated by the Cisco  | FeatureData   | H323 Conference Id  | FeatureDataOne1,<br>FeatureDataOne2, or<br>FeatureDataOne3                      |
| BTS 10200 Softswitch and passed to the<br>prepaid server in the RADIUS<br>"accounting start" message. This allows<br>the call data block in the BTS 10200 to<br>contain the same identifier as the call<br>record in the prepaid server. This is  | Result        | SUCCESS,<br>FAILURE,<br>INSUFFICIENT_<br>QUOTA,<br>MEDIATION_<br>REQUIRED | ServiceResultCode1,<br>ServiceResultCode2, or<br>ServiceResultCode3             |
| typically used to uniquely correlate call<br>records in the BTS 10200 with call<br>records in the prepaid server.   | Usage Flag    | FALSE, TRUE   | ServiceUsageSensitive1,<br>ServiceUsageSensitive2, or<br>ServiceUsageSensitive3 |
| <b>Note</b> For feature calls involving<br>multiple calls (call transfer,<br>three-way call, etc.) and use<br>prepaid authentication, each call<br>has its own unique H.323<br>Conference ID. For example, if A<br>calls B using a prepaid card, and<br>then A uses a hookflash to call C<br>using a prepaid card, and sets up a<br>three-way call, each call (A-to-B<br>and A-to-C) has its own unique<br>H.323 Conference ID. |               |   |   |
| <b>Note</b> This identifier applies to all prepaid calls, regardless of signaling protocol. It is not related to (and should not be confused with) the billing fields named Originating H323<br>Conference ID and Terminating H323 Conference ID.   |               |   |   |

| Feature Name   |   | Field     | Value        | Associated CDB Fields                          |
|--|---|-----------|--------------|--|
| each call originatin<br>Softswitch and aut<br>postpaid server. It<br>hexadecimal notati<br>0f3322110a332255<br>This identifier is g<br>10200 and passed<br>in the RADIUS "a<br>message. This allo<br>in the BTS 10200<br>identifier as the cal<br>server. This is typi<br>correlate call recor | entifier associated with<br>ng on the Cisco 10200<br>henticated through the<br>is a 16-byte value in<br>ion, for example,<br>589767673898783ff.<br>enerated by the BTS<br>to the postpaid server  | Serviceld | LCD_POSTPAID | ServiceType1, ServiceType2, or<br>ServiceType3 |
| multiple ca<br>three-way<br>the postpai<br>call has its<br>Conference<br>calls B usin<br>then A use<br>using a pos<br>a three-way<br>(A-to-B an  | e calls that involve<br>ills (call transfer,<br>call, and so on) and use<br>d authentication, each<br>own unique H323<br>e ID. For example, if A<br>ng a postpaid card, and<br>s a hookflash to call C<br>trpaid card, and sets up<br>y call, each of the calls<br>d A-to-C) has its own<br>23 Conference Id. |           |              |  |
| postpaid ca<br>signaling p<br>related to (<br>confused w<br>named Ori  | fier is applicable to all<br>alls, regardless of<br>protocol. It is not<br>and should not be<br>with) the billing fields<br>ginating H323<br>e ID and Terminating<br>Ference ID.  |           |              |  |

| Feature Name              | Field            | Value   | Associated CDB Fields   |
|---------------------------|------------------|---|---|
|                           | ServiceStatus    | INSTANCE  | ServiceInstanceTime1,<br>ServiceInstanceTime2, or<br>ServiceInstanceTime3       |
|                           | FeatureData      | H323 Conference Id  | FeatureDataOne1,<br>FeatureDataOne2, or<br>FeatureDataOne3                      |
|                           | Result           | SUCCESS,<br>FAILURE,<br>INSUFFICIENT_<br>QUOTA,<br>MEDIATION_<br>REQUIRED | ServiceResultCode1,<br>ServiceResultCode2, or<br>ServiceResultCode3             |
|                           | Usage Flag       | FALSE, TRUE   | ServiceUsageSensitive1,<br>ServiceUsageSensitive2, or<br>ServiceUsageSensitive3 |
| Multiple Directory Number | ServiceID        | MDN   | ServiceType1, ServiceType2, or<br>ServiceType3                                  |
|                           | ServiceStatus    | INSTANCE  | ServiceInstanceTime1,<br>ServiceInstanceTime2, or<br>ServiceInstanceTime3       |
|                           | FeatureData      | Main DN associated<br>with the dialed virtual<br>DN                       | FeatureDataOne1,<br>FeatureDataOne2, or<br>FeatureDataOne3                      |
|                           | Result           | SUCCESS,<br>FAILURE   | ServiceResultCode1,<br>ServiceResultCode2, or<br>ServiceResultCode3             |
|                           | UsageFlag        | FALSE,<br>TRUE  | ServiceUsageSensitive1,<br>ServiceUsageSensitive2, or<br>ServiceUsageSensitive3 |
| SIP Replace               | ServiceID        | SIP REPLACE   | ServiceType1, ServiceType2, or<br>ServiceType3                                  |
|                           | ServiceStatus    | INSTANCE  | ServiceInstanceTime1,<br>ServiceInstanceTime2, or<br>ServiceInstanceTime3       |
|                           | FeatureData      | Replaced Call ID  | FeatureDataOne1,<br>FeatureDataOne2, or<br>FeatureDataOne3                      |
|                           | FeatureDataTwo   | Referred By   | FeatureDataTwo1,<br>FeatureDataTwo2, or<br>FeatureDataTwo3                      |
|                           | FeatureDataThree | -   | —   |
|                           | Result           | SUCCESS,  | ServiceResultCode1,   |
|                           |                  | FAILURE   | ServiceResultCode2, or<br>ServiceResultCode3                                    |

| Feature Name                    | Field         | Value                 | Associated CDB Fields   |
|---------------------------------|---------------|-----------------------|---|
| Call Forwarding Redirect        | ServiceID     | CFR                   | ServiceType1, ServiceType2, or<br>ServiceType3                            |
|                                 | ServiceStatus | INSTANCE              | ServiceInstanceTime1,<br>ServiceInstanceTime2, or<br>ServiceInstanceTime3 |
|                                 | FeatureData   | Redirected Number     | FeatureData1,<br>FeatureData2, or<br>FeatureData3                         |
|                                 | Result        | SUCCESS,              | ServiceResultCode1,   |
|                                 |               | FAILURE               | ServiceResultCode2, or<br>ServiceResultCode3                              |
| SIP Off Hook Trigger            | ServiceID     | OHT                   | ServiceType1, ServiceType2, or<br>ServiceType3                            |
|                                 | ServiceStatus | INSTANCE              | ServiceInstanceTime1,<br>ServiceInstanceTime2, or<br>ServiceInstanceTime3 |
|                                 | FeatureData   | IMMEDIATE             | FeatureData1,   |
|                                 |               | DELAYED               | FeatureData2, or<br>FeatureData3  |
|                                 | Result        | SUCCESS,              | ServiceResultCode1,   |
|                                 |               | FAILURE,              | ServiceResultCode2, or<br>ServiceResultCode3                              |
|                                 |               | 305 FAILURE           |   |
| SIP Termination Attempt Trigger | ServiceID     | TAT                   | ServiceType1, ServiceType2, or<br>ServiceType3                            |
|                                 | ServiceStatus | INSTANCE              | ServiceInstanceTime1,<br>ServiceInstanceTime2, or<br>ServiceInstanceTime3 |
|                                 | FeatureData   | _                     | _   |
|                                 | Result        | SUCCESS,              | ServiceResultCode1,   |
|                                 |               | FAILURE,              | ServiceResultCode2, or<br>ServiceResultCode3                              |
|                                 |               | 305 FAILURE           | Servicencesurcedes  |
| Own Calling Number Announcement | ServiceID     | OCNA                  | ServiceType1, ServiceType2, or ServiceType3                               |
|                                 | ServiceStatus | INSTANCE              | ServiceInstanceTime1,<br>ServiceInstanceTime2, or<br>ServiceInstanceTime3 |
|                                 | FeatureData   | _                     | _   |
|                                 | Result        | BILLING INFO<br>VALID | ServiceResultCode1,<br>ServiceResultCode2, or<br>ServiceResultCode3       |
| Seasonal Suspend                | ServiceID     | SEAS                  | ServiceType1, ServiceType2, or<br>ServiceType3                            |

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| Feature Name                    | Field         | Value   | Associated CDB Fields   |
|---------------------------------|---------------|---|---|
|                                 | ServiceStatus | INSTANCE  | ServiceInstanceTime1,<br>ServiceInstanceTime2, or<br>ServiceInstanceTime3 |
|                                 | FeatureData   | _   | —   |
|                                 | Result        | SUCCESS   | ServiceResultCode1,   |
|                                 |               | SEASONAL<br>SUSPEND CALL<br>BLOCKED   | ServiceResultCode2, or<br>ServiceResultCode3                              |
|                                 | ServiceID     | AS SERVICE 221<br>AS SERVICE 216  | ServiceType1, ServiceType2, or<br>ServiceType3                            |
| Privacy Plus                    |               | (See NOTES at the<br>end of this table for<br>additional<br>information on the<br>Privacy Plus Service<br>ID) |   |
|                                 | ServiceStatus | INSTANCE  | ServiceInstanceTime1,<br>ServiceInstanceTime2, or<br>ServiceInstanceTime3 |
|                                 | FeatureData   | _   | _   |
|                                 | Result        | SUCCESS   | ServiceResultCode1,<br>ServiceResultCode2, or<br>ServiceResultCode3       |
| Terminal Make Busy Activation   | ServiceID     | Terminal Make Busy  | ServiceType1, ServiceType2, or<br>ServiceType3                            |
|                                 | ServiceStatus | ACTIVATION  | ServiceInstanceTime1,<br>ServiceInstanceTime2, or<br>ServiceInstanceTime3 |
|                                 | FeatureData   | _   | —   |
|                                 | Result        | SUCCESS   | ServiceResultCode1,   |
|                                 |               | FAILURE   | ServiceResultCode2, or<br>ServiceResultCode3                              |
| Terminal Make Busy Deactivation | ServiceID     | Terminal Make Busy  | ServiceType1, ServiceType2, or<br>ServiceType3                            |
|                                 | ServiceStatus | DEACTIVATION  | ServiceInstanceTime1,<br>ServiceInstanceTime2, or<br>ServiceInstanceTime3 |
|                                 | FeatureData   | —   | —   |
|                                 | Result        | SUCCESS   | ServiceResultCode1,   |
|                                 |               | FAILURE   | ServiceResultCode2, or<br>ServiceResultCode3                              |
| Group Make Busy Activation      | ServiceID     | Group Make Busy   | ServiceType1, ServiceType2, or<br>ServiceType3                            |

| Feature Name                 | Field                           | Value                      | Associated CDB Fields   |
|------------------------------|---------------------------------|----------------------------|---|
|                              | ServiceStatus                   | ACTIVATION                 | ServiceInstanceTime1,<br>ServiceInstanceTime2, or<br>ServiceInstanceTime3                   |
|                              | FeatureData                     | —                          | —   |
|                              | Result                          | SUCCESS<br>FAILURE         | ServiceResultCode1,<br>ServiceResultCode2, or<br>ServiceResultCode3                         |
| Group Make Busy Deactivation | ServiceID                       | Group Make Busy            | ServiceType1, ServiceType2, or<br>ServiceType3  |
|                              | ServiceStatus                   | DEACTIVATION               | ServiceInstanceTime1,<br>ServiceInstanceTime2, or<br>ServiceInstanceTime3                   |
|                              | FeatureData                     | —                          | —   |
|                              | Result                          | SUCCESS                    | ServiceResultCode1,   |
|                              |                                 | FAILURE                    | ServiceResultCode2, or<br>ServiceResultCode3  |
| ENUM Database Query          | Database Query<br>Type          | ENUM                       | DatabaseQueryType1,<br>DatabaseQueryType2, or<br>DatabaseQueryType3                         |
|                              | Database Query<br>Time          | timestamp                  | DatabaseQueryTime1,<br>DatabaseQueryTime2, or<br>DatabaseQueryTime3                         |
|                              | Database Query<br>Returned Data | Location Routing<br>Number | DatabaseQueryReturnedData1,<br>DatabaseQueryReturnedData2, or<br>DatabaseQueryReturnedData3 |
|                              | Result                          | SUCCESS                    | DatabaseQueryResultCode1,   |
|                              |                                 | FAILURE                    | DatabaseQueryResultCode2, or<br>DatabaseQueryResultCode3                                    |
| ENUM LNP Database Query      | Database Query<br>Type          | ENUM LNP                   | DatabaseQueryType1,<br>DatabaseQueryType2, or<br>DatabaseQueryType3                         |
|                              | Database Query<br>Time          | timestamp                  | DatabaseQueryTime1,<br>DatabaseQueryTime2, or<br>DatabaseQueryTime3                         |
|                              | Database Query<br>Returned Data | Address of Record          | DatabaseQueryReturnedData1,<br>DatabaseQueryReturnedData2, or<br>DatabaseQueryReturnedData3 |
|                              | Result                          | SUCCESS<br>FAILURE         | DatabaseQueryResultCode1,<br>DatabaseQueryResultCode2, or<br>DatabaseQueryResultCode3       |
| Emergency Call Back          | ServiceId                       | ECB                        | ServiceType1,<br>ServiceType2, or<br>ServiceType3   |

| Table 3-1 | Features and the Associated Call Detail Block Fields (continued) |
|-----------|--|
|           |  |

| Feature Name                               | Field         | Value        | Associated CDB Fields   |
|--|---------------|--------------|---|
|  | ServiceStatus | INSTANCE     | ServiceInstanceTime1,<br>ServiceInstanceTime2, or<br>ServiceInstanceTime3 |
|  | FeatureData   | —            | _   |
|  | Result        | SUCCESS,     | ServiceResultCode1,   |
|  |               | FAILURE      | ServiceResultCode2, or<br>ServiceResultCode3                              |
|  | UsageFlag     |              |   |
| TAS  | ServiceId     | TAS_MODE     | SERVICETYPE1  |
|  | ServiceStatus | N/A          | N/A   |
|  | FeatureData   | ORIG_TAS     | FEATUREDATAONE1   |
|  |               | TERM_TAS     | FEATUREDATAONE1   |
|  | Result        | N/A          | N/A   |
|  | UsageFlag     | N/A          | N/A   |
| Hostage Negotiation                        | ServiceId     | HN           |   |
|  | ServiceStatus | INSTANCE     |   |
|  | FeatureData   |              |   |
|  | Result        | SUCCESS      | ServiceResultCode1,<br>ServiceResultCode2, or<br>ServiceResultCode3       |
| Call Forward Not Reachable—Activation      | ServiceId     | CFNR         | ServiceType1,<br>ServiceType2, or<br>ServiceType3                         |
|  | ServiceStatus | ACTIVATION   | ServiceInstanceTime1,<br>ServiceInstanceTime2, or<br>ServiceInstanceTime3 |
|  | FeatureData   | DN           | FeatureData1,<br>FeatureData2,<br>FeatureData3                            |
|  | Result        | SUCCESS      | ServiceResultCode1,   |
|  |               | FAILURE      | ServiceResultCode2, or<br>ServiceResultCode3                              |
| Call Forward Not<br>Reachable—Deactivation | ServiceId     | CFNR         | ServiceType1,<br>ServiceType2, or<br>ServiceType3                         |
|  | ServiceStatus | DEACTIVATION | ServiceInstanceTime1,<br>ServiceInstanceTime2, or<br>ServiceInstanceTime3 |
|  | FeatureData   | _            |   |
|  | Result        | SUCCESS      | ServiceResultCode1,   |
|  |               | FAILURE      | ServiceResultCode2, or<br>ServiceResultCode3                              |



Any service ID greater than 200 is part of Privacy Plus feature. The BTS 10200 provides a base value of 200 for all the Application-Server specific Service Type. When the SIP Trigger feature is invoked, and if the BYE Message received from Application-Server has a reason-header with a code (any 2 digit or 3 digit code), BTS 10200 adds a value of 200 to the reason code (that is, BYE message Q850.causecode + 200). For example, if BYE Message is received with reason-code 21 from the Application-Server, BTS 10200 captures this in the CDR as 221. Currently, Service ID 221 and 216 are supported for Privacy Plus calls.



The AS SERVICE 216 service ID of Privacy Plus feature reports the total number of Privacy Plus calls that were not blocked within a specific time period.

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