



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, ServiceType2, or ServiceType3
	ServiceStatus	INSTANCE	
	FeatureData	Auth Code	AuthCode
	Result	_	_
Reject Caller	ServiceId	reject-caller	ServiceType1, ServiceType2, or ServiceType3
	ServiceStatus	INSTANCE	ServiceInstanceTime1, ServiceInstanceTime2, or ServiceInstanceTime3
	FeatureData	_	_
	Result	_	_
Anonymous Call Rejection	Serviceld	ACR	ServiceType1, ServiceType2, or ServiceType3
	ServiceStatus	INSTANCE	ServiceInstanceTime1, ServiceInstanceTime2, or ServiceInstanceTime3
		ACTIVATION	ServiceActivationTime1, ServiceActivationTime2, or ServiceActivationTime3
		DEACTIVATION	ServiceDeactivationTime1, ServiceDeactivationTime2, or ServiceDeactivationTime3
	FeatureData	_	_
	Result	SUCCESS, FAILURE	ServiceResultCode1, ServiceResultCode2, or ServiceResultCode3

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

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

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

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

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

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

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

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

Feature Name	Field	Value	Associated CDB Fields
Selective Call Forwarding This FCI is generated only when the call is rejected because of SCA.	ServiceId	SCF	ServiceType1, ServiceType2, or ServiceType3
	ServiceStatus	INSTANCE	ServiceInstanceTime1, ServiceInstanceTime2, or ServiceInstanceTime3
		ACTIVATION	ServiceActivationTime1, ServiceActivationTime2, or ServiceActivationTime3
		DEACTIVATION	ServiceDeactivationTime1, ServiceDeactivationTime2, or ServiceDeactivationTime3
	FeatureData		_
	Result	_	_
Selective Call RejectionNoteThis FCI is generated only when	Serviceld	SCR	ServiceType1, ServiceType2, or ServiceType3
the call is rejected because of SCR.	ServiceStatus	INSTANCE	ServiceInstanceTime1, ServiceInstanceTime2, or ServiceInstanceTime3
		ACTIVATION	ServiceActivationTime1, ServiceActivationTime2, or ServiceActivationTime3
		DEACTIVATION	ServiceDeactivationTime1, ServiceDeactivationTime2, or 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 passes PIN authentication.	FeatureData	Single Number Reach number being configured	
	Result	Success, Failure, Invalid PIN, PIN Blocked	
Automatic Call Back	Serviceld	AUTO-CALLBACK	ServiceType1, ServiceType2, or ServiceType3
	ServiceStatus	INSTANCE	ServiceInstanceTime1, ServiceInstanceTime2, or ServiceInstanceTime3
		ACTIVATION	ServiceActivationTime1, ServiceActivationTime2, or ServiceActivationTime3
		DEACTIVATION	ServiceDeactivationTime1, ServiceDeactivationTime2, or ServiceDeactivationTime3
	FeatureData	—	—
	Result	—	—
	Usage Flag	Y/N	ServiceUsageSensitive1, ServiceUsageSensitive2, or ServiceUsageSensitive3

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

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

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

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

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

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

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

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

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

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

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

Feature Name	Field	Value	Associated CDB Fields
This is a unique identifier associated with each call originating on the Cisco 10200 Softswitch and authenticated through the	ServiceStatus	INSTANCE	ServiceInstanceTime1, ServiceInstanceTime2, or ServiceInstanceTime3
prepaid server. It is a 16-byte value in hexadecimal notation, for example, 0f3322110a33225589767673898783ff. This identifier is generated by the Cisco	FeatureData	H323 Conference Id	FeatureDataOne1, FeatureDataOne2, or FeatureDataOne3
BTS 10200 Softswitch and passed to the prepaid server in the RADIUS "accounting start" message. This allows the call data block in the BTS 10200 to contain the same identifier as the call record in the prepaid server. This is	Result	SUCCESS, FAILURE, INSUFFICIENT_ QUOTA, MEDIATION_ REQUIRED	ServiceResultCode1, ServiceResultCode2, or ServiceResultCode3
typically used to uniquely correlate call records in the BTS 10200 with call records in the prepaid server.	Usage Flag	FALSE, TRUE	ServiceUsageSensitive1, ServiceUsageSensitive2, or ServiceUsageSensitive3
Note For feature calls involving multiple calls (call transfer, three-way call, etc.) and use prepaid authentication, each call has its own unique H.323 Conference ID. For example, if A calls B using a prepaid card, and then A uses a hookflash to call C using a prepaid card, and sets up a three-way call, each call (A-to-B and A-to-C) has its own unique H.323 Conference ID.			
Note 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 Conference ID and Terminating H323 Conference ID.			

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

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

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

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

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

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

Feature Name	Field	Value	Associated CDB Fields
	ServiceStatus	INSTANCE	ServiceInstanceTime1, ServiceInstanceTime2, or ServiceInstanceTime3
	FeatureData	—	_
	Result	SUCCESS,	ServiceResultCode1,
		FAILURE	ServiceResultCode2, or 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, ServiceResultCode2, or ServiceResultCode3
Call Forward Not Reachable—Activation	ServiceId	CFNR	ServiceType1, ServiceType2, or ServiceType3
	ServiceStatus	ACTIVATION	ServiceInstanceTime1, ServiceInstanceTime2, or ServiceInstanceTime3
	FeatureData	DN	FeatureData1, FeatureData2, FeatureData3
	Result	SUCCESS	ServiceResultCode1,
		FAILURE	ServiceResultCode2, or ServiceResultCode3
Call Forward Not Reachable—Deactivation	ServiceId	CFNR	ServiceType1, ServiceType2, or ServiceType3
	ServiceStatus	DEACTIVATION	ServiceInstanceTime1, ServiceInstanceTime2, or ServiceInstanceTime3
	FeatureData	_	
	Result	SUCCESS	ServiceResultCode1,
		FAILURE	ServiceResultCode2, or 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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