



CHAPTER 2

Feature Server Derived Call Data

Revised: January 5, 2009, OL-12778-14

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 context of a given 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: (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
- **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:
 - 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
- BILLING_INFO_SEASON_SUSPEND_CALL_BLOCKED (22)
- 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 2-1 lists the available features including the fields, values, and associated CDB fields.

Table 2-1 Features and the Associated Call Detail Block Fields

Feature Name	Field	Value	Associated CDB Fields
Account Code Service	ServiceId	ACCT	n/a
	ServiceStatus	INSTANCE	n/a
	FeatureData	Account Code	AccountCode
	Result	n/a	n/a
Authorization Code Service	ServiceId	AUTH	ServiceType1, ServiceType2, or ServiceType3
	ServiceStatus	INSTANCE	n/a
	FeatureData	Auth Code	AuthCode
	Result	n/a	n/a

Table 2-1 Features and the Associated Call Detail Block Fields (continued)

Feature Name	Field	Value	Associated CDB Fields
Reject Caller	ServiceId	reject-caller	ServiceType1, ServiceType2, or ServiceType3
	ServiceStatus	INSTANCE	ServiceInstanceTime1, ServiceInstanceTime2, or ServiceInstanceTime3
	FeatureData	n/a	n/a
	Result	n/a	n/a
Anonymous Call Rejection	ServiceId	ACR	ServiceType1, ServiceType2, or ServiceType3
	ServiceStatus	INSTANCE	ServiceInstanceTime1, ServiceInstanceTime2, or ServiceInstanceTime3
		ACTIVATION	ServiceActivationTime1, ServiceActivationTime2, or ServiceActivationTime3
		DEACTIVATION	ServiceDeactivationTime1, ServiceDeactivationTime2, or ServiceDeactivationTime3
	FeatureData	n/a	n/a
Result	SUCCESS, FAILURE	ServiceResultCode1, ServiceResultCode2, or ServiceResultCode3	
Call Hold	ServiceId	CHD	ServiceType1, ServiceType2, or ServiceType3
	ServiceStatus	INSTANCE	ServiceInstanceTime1, ServiceInstanceTime2, or ServiceInstanceTime3
	FeatureData	n/a	n/a
	Result	SUCCESS, FAILURE	ServiceResultCode1, ServiceResultCode2, or ServiceResultCode3

Table 2-1 Features and the Associated Call Detail Block Fields (continued)

Feature Name	Field	Value	Associated CDB Fields
Call Transfer Call Transfer feature data blocks appear in the second call leg.	ServiceId	CT	ServiceType1, ServiceType2, or ServiceType3
	ServiceStatus	INSTANCE	ServiceInstanceTime1, ServiceInstanceTime2, or ServiceInstanceTime3
	FeatureData	n/a	n/a
	Result	SUCCESS, FAILURE	ServiceResultCode1, ServiceResultCode2, or ServiceResultCode3
Calling Name Delivery Blocking	ServiceId	CNAB	ServiceType1, ServiceType2, or ServiceType3
	ServiceStatus	INSTANCE	ServiceInstanceTime1, ServiceInstanceTime2, or ServiceInstanceTime3
	FeatureData	n/a	n/a
	Result	n/a	n/a
Calling Number Delivery Blocking	ServiceId	CNDB	ServiceType1, ServiceType2, or ServiceType3
	ServiceStatus	INSTANCE	ServiceInstanceTime1, ServiceInstanceTime2, or ServiceInstanceTime3
	FeatureData	n/a	n/a
	Result	SUCCESS, FAILURE	ServiceResultCode1, ServiceResultCode2, or ServiceResultCode3
Call Waiting	ServiceId	CW	ServiceType1, ServiceType2, or ServiceType3
	ServiceStatus	INSTANCE	ServiceInstanceTime1, ServiceInstanceTime2, or ServiceInstanceTime3
	FeatureData	n/a	n/a
	Result	SUCCESS, FAILURE	ServiceResultCode1, ServiceResultCode2, or ServiceResultCode3

Table 2-1 Features and the Associated Call Detail Block Fields (continued)

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

Table 2-1 Features and the Associated Call Detail Block Fields (continued)

Feature Name	Field	Value	Associated CDB Fields
	ServiceId	CFU	ServiceType1, ServiceType2, or ServiceType3
	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 & Interrogation)	FeatureDataOne1, FeatureDataOne2, or FeatureDataOne3
Call Forward Unconditional			Deactivation, Interrogation N/A
Call Forward Unconditional data block appears on the second call leg created by BTS when the CFU feature is invoked.	Result	SUCCESS, FAILURE	ServiceResultCode1, ServiceResultCode2, or ServiceResultCode3

Table 2-1 Features and the Associated Call Detail Block Fields (continued)

Feature Name	Field	Value	Associated CDB Fields
	ServiceId	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) DN (Activation) N/A (Deactivation & Interrogation)	<u>Instance</u> FeatureData1, FeatureData2, or FeatureData3 In the case of Instance, this field is used only if CFNA uses 302 to redirect the call. <u>Activation</u> FeatureDataOne1, FeatureDataOne2, or FeatureDataOne3 Deactivation, Interrogation N/A	
Call Forward No Answer	Result	SUCCESS, FAILURE	ServiceResultCode1, ServiceResultCode2, or ServiceResultCode3

Table 2-1 Features and the Associated Call Detail Block Fields (continued)

Feature Name	Field	Value	Associated CDB Fields
	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 (On Activation)	Activation FeatureDataOne1, FeatureDataOne2, or FeatureDataOne3 Instance, Deactivation,Interrogation N/A	
	Result	SUCCESS, FAILURE	ServiceResultCode1, ServiceResultCode2, or ServiceResultCode3
Call Forward on Busy			
	ServiceId	CPRK	ServiceType1, ServiceType2, or ServiceType3
	ServiceStatus	INSTANCE	ServiceInstanceTime1, ServiceInstanceTime2, or ServiceInstanceTime3
	FeatureData	n/a	n/a
	Result	n/a	n/a
Call Park			
	ServiceId	CPRK-REOFFER	ServiceType1, ServiceType2, or ServiceType3
	ServiceStatus	INSTANCE	ServiceInstanceTime1, ServiceInstanceTime2, or ServiceInstanceTime3
	FeatureData	n/a	n/a
	Result	n/a	n/a
Call Park Reoffer			

Table 2-1 Features and the Associated Call Detail Block Fields (continued)

Feature Name	Field	Value	Associated CDB Fields
Call Park Retrieval	ServiceId	CPRK-RETRIEVAL	ServiceType1, ServiceType2, or ServiceType3
	ServiceStatus	INSTANCE	ServiceInstanceTime1, ServiceInstanceTime2, or ServiceInstanceTime3
	FeatureData	n/a	n/a
	Result	n/a	n/a
Busy Line Verification Busy Line Interruption	ServiceId	BLV	ServiceType1, ServiceType2, or ServiceType3
	ServiceStatus	INSTANCE	ServiceInstanceTime1, ServiceInstanceTime2, or ServiceInstanceTime3
	FeatureData	n/a	n/a
	Result	n/a	n/a
Directed Call Pickup with Barge-In	ServiceId	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	n/a	n/a
Directed Call Pickup without Barge-In	ServiceId	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	n/a	n/a

Table 2-1 Features and the Associated Call Detail Block Fields (continued)

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

Table 2-1 Features and the Associated Call Detail Block Fields (continued)

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

Table 2-1 Features and the Associated Call Detail Block Fields (continued)

Feature Name	Field	Value	Associated CDB Fields
Selective Call Forwarding	ServiceId	SCF	ServiceType1, ServiceType2, or ServiceType3
	ServiceStatus	INSTANCE	ServiceInstanceTime1, ServiceInstanceTime2, or ServiceInstanceTime3
		ACTIVATION	ServiceActivationTime1, ServiceActivationTime2, or ServiceActivationTime3
		DEACTIVATION	ServiceDeactivationTime1, ServiceDeactivationTime2, or ServiceDeactivationTime3
Note This FCI is generated only when the call is rejected because of SCA.	FeatureData	n/a	n/a
	Result	n/a	n/a
Selective Call Rejection	ServiceId	SCR	ServiceType1, ServiceType2, or ServiceType3
	ServiceStatus	INSTANCE	ServiceInstanceTime1, ServiceInstanceTime2, or ServiceInstanceTime3
		ACTIVATION	ServiceActivationTime1, ServiceActivationTime2, or ServiceActivationTime3
		DEACTIVATION	ServiceDeactivationTime1, ServiceDeactivationTime2, or ServiceDeactivationTime3
Note This FCI is generated only when the call is rejected because of SCR.	FeatureData	n/a	n/a
	Result	n/a	n/a

Table 2-1 *Features and the Associated Call Detail Block Fields (continued)*

Feature Name	Field	Value	Associated CDB Fields
Automatic Call Back	ServiceId	AUTO-CALLBACK	ServiceType1, ServiceType2, or ServiceType3
	ServiceStatus	INSTANCE	ServiceInstanceTime1, ServiceInstanceTime2, or ServiceInstanceTime3
		ACTIVATION	ServiceActivationTime1, ServiceActivationTime2, or ServiceActivationTime3
		DEACTIVATION	ServiceDeactivationTime1, ServiceDeactivationTime2, or ServiceDeactivationTime3
	FeatureData	n/a	n/a
	Result	n/a	n/a
Usage Flag	Y/N	ServiceUsageSensitive1, ServiceUsageSensitive2, or ServiceUsageSensitive3	

Table 2-1 Features and the Associated Call Detail Block Fields (continued)

Feature Name	Field	Value	Associated CDB Fields
Automatic Recall	ServiceId	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 (Activation) N/A (Instance & Deactivation)	<u>Activation</u> FeatureDataOne1, FeatureDataOne2, or FeatureDataOne3 Instance, Deactivation N/A
	Result	SUCCESS, FAILURE, 2L-ACT ABANDONED VOICEBACK DN, 2L-ACT CONNECTED ANONYMOUS DN	ServiceResultCode1, ServiceResultCode2, ServiceResultCode3
Usage Flag	Y/N	ServiceUsageSensitive1, ServiceUsageSensitive2, or ServiceUsageSensitive3	

Table 2-1 Features and the Associated Call Detail Block Fields (continued)

Feature Name	Field	Value	Associated CDB Fields
Speed Calling	ServiceId	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, ServiceResultCode2, or ServiceResultCode3
		FAILURE	
		ANI_INVALID	
		ANI_BLOCKED	
		CASUAL_BLOCKED	
II_SCREENED			
BW_SCREENED			
COS_RESTRICTED			
CALL_BLOCKED			
RESULT_UNKNOWN			
Do Not Disturb	ServiceId	dnd	ServiceType1, ServiceType2, or ServiceType3
	ServiceStatus	INSTANCE	ServiceInstanceTime1, ServiceInstanceTime2, or ServiceInstanceTime3
		activation	ServiceActivationTime1, ServiceActivationTime2, or ServiceActivationTime3
		deactivation	ServiceDeactivationTime1, ServiceDeactivationTime2, or ServiceDeactivationTime3
	FeatureData	n/a	n/a
Result	n/a	n/a	

Table 2-1 Features and the Associated Call Detail Block Fields (continued)

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

Table 2-1 Features and the Associated Call Detail Block Fields (continued)

Feature Name	Field	Value	Associated CDB Fields
	ServiceId	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 FAILURE ANI_INVALID ANI_BLOCKED CASUAL_BLOCKE D II_SCREENED BW_SCREENED COS_RESTRICTED CALL_BLOCKED RESULT_UNKNOW N	ServiceResultCode1, ServiceResultCode2, or ServiceResultCode3
Screening List Editing Session			
	ServiceId	LNP	ServiceType1, ServiceType2, or ServiceType3
	ServiceStatus	INSTANCE	ServiceInstanceTime1, ServiceInstanceTime2, or ServiceInstanceTime3
	FeatureData	n/a	n/a
	Result	SUCCESS FAILURE ANI_INVALID ANI_BLOCKED CASUAL_BLOCKE D II_SCREENED BW_SCREENED COS_RESTRICTED	ServiceResultCode1, ServiceResultCode2, or ServiceResultCode3
Local Number Portability			

Table 2-1 Features and the Associated Call Detail Block Fields (continued)

Feature Name	Field	Value	Associated CDB Fields
	ServiceId	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”, “5”, “6”, “7”, “8”, or “9” (Activation) N/A (Instance, Deactivation & Interrogation)	Activation FeatureDataOne1 FeatureDataOne2, or FeatureDataOne3 Instance, Deactivation, Interrogation N/A	
Outgoing Call Barring	Result	n/a	n/a
	ServiceId	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	n/a	n/a
Call Waiting Deluxe	Result	n/a	n/a

Table 2-1 Features and the Associated Call Detail Block Fields (continued)

Feature Name	Field	Value	Associated CDB Fields
Three-way Calling Deluxe	ServiceId	TWCD	ServiceType1, ServiceType2, or ServiceType3
	ServiceStatus	INSTANCE	ServiceInstanceTime1, ServiceInstanceTime2, or ServiceInstanceTime3
	FeatureData	n/a	n/a
	Result	n/a	n/a
Warmline Note This FCI is generated only when the user does not dial any number.	ServiceId	WARMLINE	ServiceType1, ServiceType2, or ServiceType3
	ServiceStatus	INSTANCE	ServiceInstanceTime1, ServiceInstanceTime2, or ServiceInstanceTime3
	FeatureData	n/a	n/a
	Result	n/a	n/a
Hotline	ServiceId	HOTLINE	ServiceType1, ServiceType2, or ServiceType3
	ServiceStatus	INSTANCE	ServiceInstanceTime1, ServiceInstanceTime2, or ServiceInstanceTime3
	FeatureData	n/a	n/a
	Result	n/a	n/a

Table 2-1 Features and the Associated Call Detail Block Fields (continued)

Feature Name	Field	Value	Associated CDB Fields
	ServiceId	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)	<u>Activation</u>
		N/A (Instance, Deactivation & Interrogation)	FeatureDataOne1, FeatureDataOne2, or FeatureDataOne3
			Instance, Deactivation, Interrogation
			N/A
Hotline Variable	Result	VALID	n/a

Table 2-1 Features and the Associated Call Detail Block Fields (continued)

Feature Name	Field	Value	Associated CDB Fields
	ServiceId	COS	ServiceType1, ServiceType2, or ServiceType3
	ServiceStatus	INSTANCE	ServiceInstanceTime1, ServiceInstanceTime2, or ServiceInstanceTime3
	FeatureData	n/a	n/a
	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
Class of Service			

Table 2-1 Features and the Associated Call Detail Block Fields (continued)

Feature Name	Field	Value	Associated CDB Fields
SIP Refer SIP REFER feature data blocks appear in the second call leg instead of the first as they did in the previous release.	ServiceId	REFER	ServiceType1, ServiceType2, or ServiceType3
	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	ServiceId	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)	<u>Activation</u>	
For Instance, the field is used only if CFC uses 302 to redirect the call.	Redirected Number (Instance)	FeatureDataOne1, FeatureDataOne2, or FeatureDataOne3	
	N/A (Deactivation & Interrogation)	<u>Instance</u> FeatureData1, FeatureData2, or FeatureData3	
		<u>Deactivation, Interrogation</u> N/A	

Table 2-1 Features and the Associated Call Detail Block Fields (continued)

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

Table 2-1 Features and the Associated Call Detail Block Fields (continued)

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

Table 2-1 Features and the Associated Call Detail Block Fields (continued)

Feature Name	Field	Value	Associated CDB Fields
<p>This is a unique identifier associated with each call originating on the Cisco 10200 Softswitch and authenticated through the prepaid server. It is a 16-byte value in hexadecimal notation, for example, 0f3322110a33225589767673898783ff. This identifier is generated by the Cisco 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 typically used to uniquely correlate call records in the BTS 10200 with call records in the prepaid server.</p>	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
Note	<p>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.</p>		
Note	<p>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.</p>		

Table 2-1 Features and the Associated Call Detail Block Fields (continued)

Feature Name	Field	Value	Associated CDB Fields
<p>Limited Call Duration—POSTPAID</p> <p>This is a unique identifier associated with each call originating on the Cisco 10200 Softswitch and authenticated through the postpaid server. It is a 16-byte value in hexadecimal notation, for example, 0f3322110a33225589767673898783ff. This identifier is generated by the BTS 10200 and passed to the postpaid 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 postpaid server. This is typically used to uniquely correlate call records in the BTS 10200 with call records in the postpaid server.</p>	ServiceId	LCD_POSTPAID	ServiceType1, ServiceType2, or ServiceType3
<p>Note For feature calls that involve multiple calls (call transfer, three-way call, and so forth) and use postpaid authentication, each call has its own unique H323 Conference ID. For example, if A calls B using a postpaid card, and then A uses a hookflash to call C using a postpaid card, and sets up a three-way call, each of the calls (A-to-B and A-to-C) has its own unique H323 Conference Id.</p>			
<p>Note This identifier is applicable to all postpaid 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.</p>			

Table 2-1 Features and the Associated Call Detail Block Fields (continued)

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	N/A	N/A
	Result	SUCCESS, FAILURE	ServiceResultCode1, ServiceResultCode2, or ServiceResultCode3

Table 2-1 Features and the Associated Call Detail Block Fields (continued)

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, FAILURE	ServiceResultCode1, ServiceResultCode2, or ServiceResultCode3
SIP Off Hook Trigger	ServiceID	OHT	ServiceType1, ServiceType2, or ServiceType3
	ServiceStatus	INSTANCE	ServiceInstanceTime1, ServiceInstanceTime2, or ServiceInstanceTime3
	FeatureData	IMMEDIATE DELAYED	FeatureData1, FeatureData2, or FeatureData3
	Result	SUCCESS, FAILURE, 305 FAILURE	ServiceResultCode1, ServiceResultCode2, or ServiceResultCode3
SIP Termination Attempt Trigger	ServiceID	TAT	ServiceType1, ServiceType2, or ServiceType3
	ServiceStatus	INSTANCE	ServiceInstanceTime1, ServiceInstanceTime2, or ServiceInstanceTime3
	FeatureData	N/A	N/A
	Result	SUCCESS, FAILURE, 305 FAILURE	ServiceResultCode1, ServiceResultCode2, or ServiceResultCode3
Own Calling Number Announcement	ServiceID	OCNA	ServiceType1, ServiceType2, or ServiceType3
	ServiceStatus	INSTANCE	ServiceInstanceTime1, ServiceInstanceTime2, or ServiceInstanceTime3
	FeatureData	N/A	N/A
	Result	BILLING INFO VALID	ServiceResultCode1, ServiceResultCode2, or ServiceResultCode3
Seasonal Suspend	ServiceID	SEAS	ServiceType1, ServiceType2, or ServiceType3

Table 2-1 Features and the Associated Call Detail Block Fields (continued)

Feature Name	Field	Value	Associated CDB Fields
	ServiceStatus	INSTANCE	ServiceInstanceTime1, ServiceInstanceTime2, or ServiceInstanceTime3
	FeatureData	N/A	N/A
	Result	SUCCESS SEASONAL SUSPEND CALL BLOCKED	ServiceResultCode1, ServiceResultCode2, or ServiceResultCode3
Privacy Plus	ServiceID	AS SERVICE 221	ServiceType1, ServiceType2, or ServiceType3
	ServiceStatus	INSTANCE	ServiceInstanceTime1, ServiceInstanceTime2, or ServiceInstanceTime3
	FeatureData	N/A	N/A
	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	N/A	N/A
	Result	SUCCESS FAILURE	ServiceResultCode1, ServiceResultCode2, or ServiceResultCode3
Terminal Make Busy Deactivation	ServiceID	Terminal Make Busy	ServiceType1, ServiceType2, or ServiceType3
	ServiceStatus	DEACTIVATION	ServiceInstanceTime1, ServiceInstanceTime2, or ServiceInstanceTime3
	FeatureData	N/A	N/A
	Result	SUCCESS FAILURE	ServiceResultCode1, ServiceResultCode2, or ServiceResultCode3
Group Make Busy Activation	ServiceID	Group Make Busy	ServiceType1, ServiceType2, or ServiceType3
	ServiceStatus	ACTIVATION	ServiceInstanceTime1, ServiceInstanceTime2, or ServiceInstanceTime3
	FeatureData	N/A	N/A

Table 2-1 Features and the Associated Call Detail Block Fields (continued)

Feature Name	Field	Value	Associated CDB Fields
	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	N/A	N/A
	Result	SUCCESS FAILURE	ServiceResultCode1, 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 FAILURE	DatabaseQueryResultCode1, 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