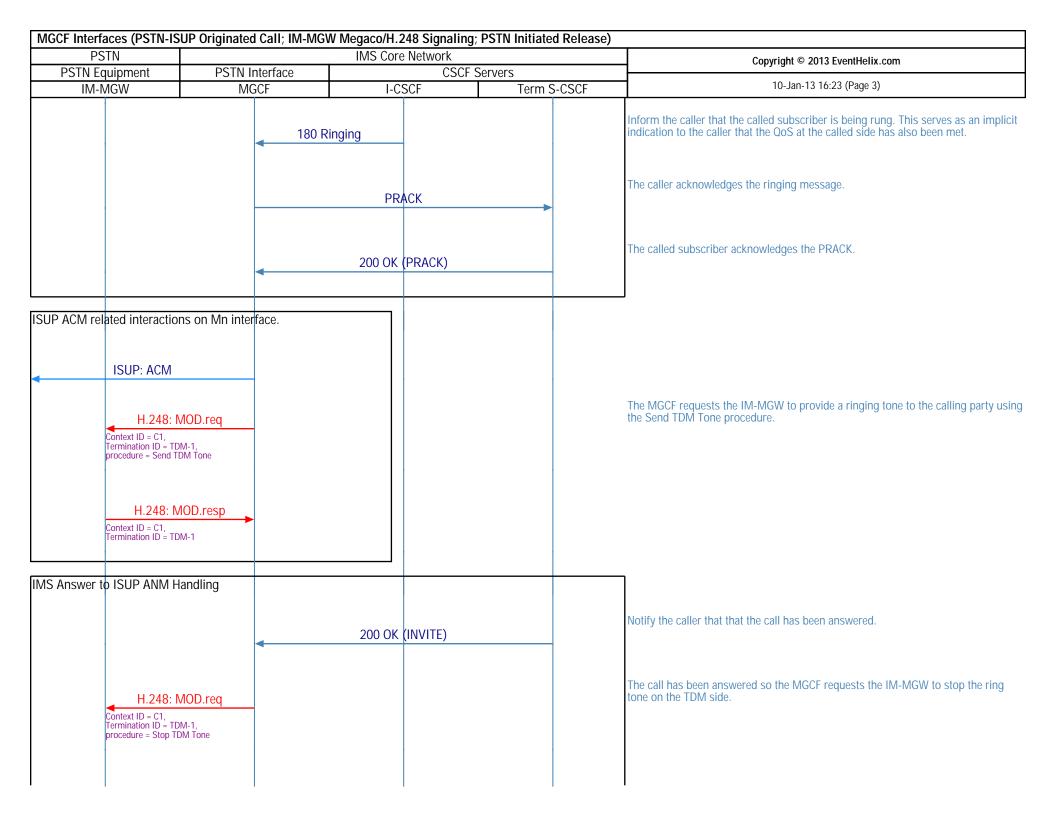
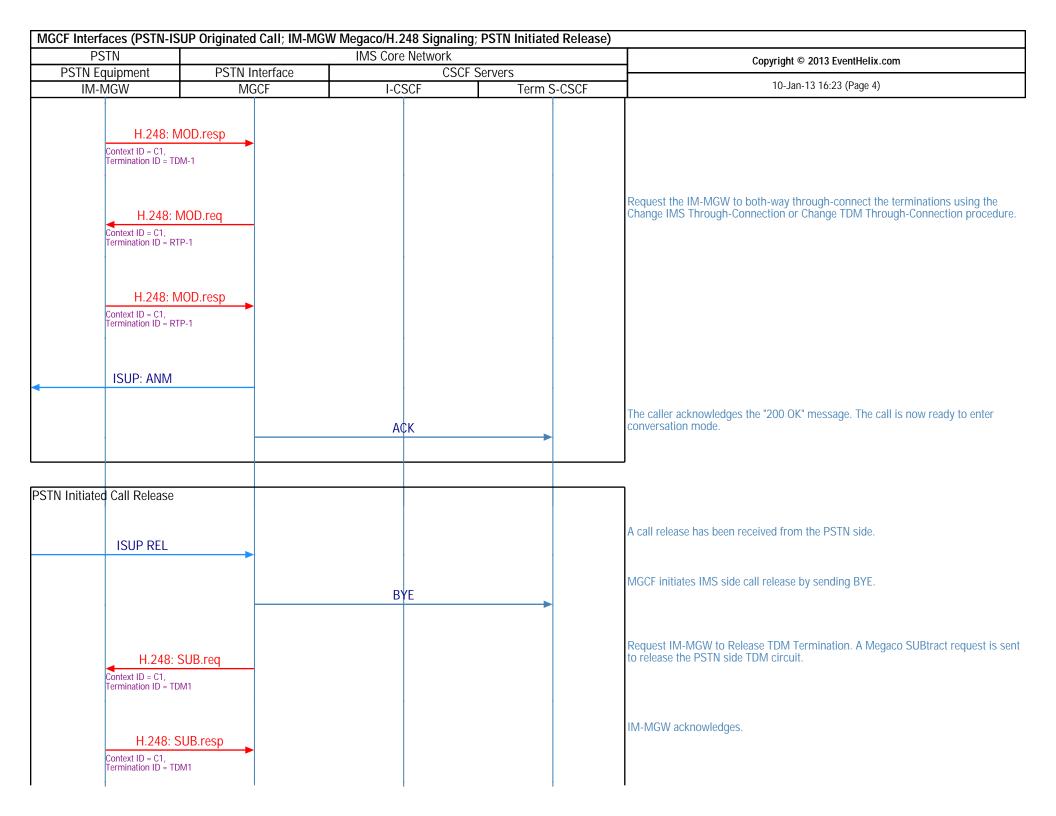


PSTN IMS Core Network				Copyright © 2013 EventHelix.com
PSTN Equipment	PSTN Interface CSCF Servers			
IM-MGW	MGCF	I-CSCF	Term S-CSCF	10-Jan-13 16:23 (Page 2)
	Contact: <sip:mgc m=audio 3456 RTP/J a=curr:qos local a=curr:qos remote</sip:mgc 	ALLED SIP/2.0, ,, ,y: <tel:+1-811-caller>, &gt;, NUP 97 96, hone, none, y local sendrecv,</tel:+1-811-caller>		The MGCF initiates an INVITE request, containing an initial SDP, as per the prop S-CSCF to S-CSCF procedure. The INVITE is first sent to the I-CSCF to identify the S-CSCF serving the called user.
	100 Try	ving		The I-CSCF acknowledges the INVITE that was received from P-CSCF.
	183 Session Via: <mgcf>, Record-Route: <te: <mgcf>, Contact: <calling :Port, m=audio 6544 RTP/i a=curr:gos local : a=curr:gos remote a=des:gos mandato: sendrecv, a=des:gos mandato: sendrecv</calling </mgcf></te: </mgcf>	rm S-CSCF> UE IP> AVP 97 96, none, none, ry local		The UE replies indicating that the session is in progress. The contact address is its own IP address. The Via and the Record-Route headers are copied from the received INVITE.
nteractions for Codec se	lection			
H.248: N Context ID = C1, Termination ID = RTF	· · · · · · · · · · · · · · · · · · ·			The MGCF indicates the remote IP address and UDP port, i.e. the destination IP address and UDP port for RTP messages sent towards the terminating IMS UE. also identifies the codec to be used in the IM-MGW to Terminating UE RTP communication.
H.248: M Context ID = C1, Termination ID = RTF				Reply to MGCF. The final codec selection is indicated.
	a=curr:qos local : a=curr:qos remote a=des:qos mandato: a=des:qos mandato:			The Caller now sends a PRACK to inform the called subscriber about the selecter Codec. The message also indicates that currently the resources needed for meer the quality of service requirements of the session are already available ("a=curr: local sendrecv").
				This "200 OK" just acknowledges PRACK.





PSTN		IMS Core Network		Copyright © 2013 EventHelix.com
PSTN Equipment	PSTN Interface		Servers	Copyright © 2013 Eventhenx.com
IM-MGW	MGCF	I-CSCF	Term S-CSCF	10-Jan-13 16:23 (Page 5)
	est IM-MGW to Release IMS Terminat	ion		Request IM-MGW to Release RTP Termination. A Megaco SUBtract request is set to release the IMS side RTP termination.
Context ID = C1, Termination ID = RT				
H.248: S Context ID = C1, Termination ID = RT				IM-MGW acknowledges.
ISUP RLC				MGCF signals ISUP Release Complete to the PSTN network.
		200 OK (BYE)		Acknowledge the BYE that was received from the IMS network.
sequence diagram was	generated with EventStudio S	ystem Designer (http://ww	ww.EventHelix.com/Event	Studio).

MGCF Interfaces (Alterna	ate Scenario: Called IMS Sub	scriber Initiated Call Releas	se)	
PSTN		IMS Core Network		Copyright © 2013 EventHelix.com
PSTN Equipment	PSTN Interface		Servers	
IM-MGW	MGCF	I-CSCF	Term S-CSCF	10-Jan-13 16:23 (Page 6)
This call flow covers the h bearer termination. When	nandling of a CS network origi the MGCF receives an answer	nated call with ISUP. In the c indication, it requests the IM	diagram the MGCF requests s 1-MGW to both-way through	eizure of the IM CN subsystem side termination and CS network side -connect the terminations.
This sequence diagram w	as generated with EventStudic	System Designer (http://ww	w.EventHelix.com/EventStud	io).
ISUP IAM Handling and I Interactions	nitial IM-MGW and MGCF (Mr	)		
Initial Har	ndshake between MGCF and II	AS CSCF Servers		
Mn Interactions for Code	c selection			
ISUP ACM related interac	tions on Mn interface.			
IMS Answer to ISUP ANN	/ Handling		]	
Called Subsciber Initiates				
Called Subsciber Initiates				
				BYE is sent to initiate the call.
		BYE		
		200 OK (BYE)		MGCF acknowledges the receipt of the BYE message.
				An ISUP Release message is sent to the PSTN.
ISUP REL				
H.248 Context ID = C1, Termination ID =	: SUB.req			Request IM-MGW to Release RTP Termination. A Megaco SUBtract request is sent to release the IMS side RTP termination.
Termination ID =	KIPI			
11.240				IM-MGW acknowledges.
Context ID = C1, Termination ID =	SUB.resp			
Rec	uest IM-MGW to Release TDM Term	nation		
· · · · ·	I	I	I I	

IGCF Interfaces (Alternate	e Scenario: Called IMS Subs	scriber Initiated Call R	elease)	
PSTN		IMS Core Network		Copyright © 2013 EventHelix.com
PSTN Equipment	PSTN Interface	CSCF Servers		
IM-MGW	MGCF	I-CSCF	Term S-CSCF	10-Jan-13 16:23 (Page 7)
H.248: S Context ID = C1, Termination ID = TDI				Request IM-MGW to Release TDM Termination. A Megaco SUBtract request is set to release the PSTN side TDM circuit.
H.248: S Context ID = C1, Termination ID = TDI				IM-MGW acknowledges.
ISUP RLC				ISUP Release complete is received from the PSTN side.
is sequence diagram was	generated with EventStudio	System Designer (http:	//www.EventHelix.com/EventS	Studio).