IMS Core Network	PSTN Interface Signaling BGCF MGCF		EventStudio System Designer 6  24-Feb-13 15:23 (Page 1)	
Home IMS Orig S-CSCF				
earer termination TDM1 is used i	for bearer towards PSTN CS	S network element.	call is routed via the BGCF (Border Gateway Control Function) to the MGCF (Media Gateway). The termination RTP1 is used towards IMS Core network subsystem entity and the	
nis sequence diagram was gener	rated with EventStudio Syste	em Designer (http://www.EventHe	lix.com/EventStudio).	
IS to PSTN(ISUP) call setup				
MS to PSTN Call Routing via BG0	CF			
tel: <called caller="" control="" control<="" no="" phone="" property="" second="" supported="" td=""><td>umber&gt;,</td><td></td><td>The S-CSCF forwards the INVITE to the local BGCF (Breakout Gateway Control Function) for frouting of the call.</td></called>	umber>,		The S-CSCF forwards the INVITE to the local BGCF (Breakout Gateway Control Function) for frouting of the call.	
	tel: <called p<br="">S-CSCF addres <caller@himsl <caller suppo<br="">Record-Route:</caller></caller@himsl </called>	s,	The BGCF selects MGCF in the same network to route the call to the PSTN network. The BGCI forwards the INVITE to MGCF but it does not add itself to the Record-Route header, as it has need to remain in the signaling path once the session is established.	
100 Tr	ying			
	1	100 Trying		
A NACIAL Initial Catum				
A-MGW Initial Setup  Common Codecs List, IM-MGW RTP Port, IM-MGW IP Address, Record-Route: <mgcf: <mgcf="" contact:=""></mgcf:>	183 Session Progress >, <bgcf>, <orig \$-cscf="">, <orig< td=""><td>g P-CSCF&gt;,</td><td>The MGCF returns the media stream capabilities of the destination along the signaling path in "183 Session Progress". The IM-MGW "Common Codec List", IP address and the RTP port nu are included in the message.</td></orig<></orig></bgcf>	g P-CSCF>,	The MGCF returns the media stream capabilities of the destination along the signaling path in "183 Session Progress". The IM-MGW "Common Codec List", IP address and the RTP port nu are included in the message.	
inging	190 Dinging		The MGCF forwards called party alerting indication in 180 ringing message towards the Calle	
<b>-</b>	180 Ringing		The Misor forwards cance party alerting indication in 100 finging message towards the calle	
onversation Mode				
•	200 OK (INVITE)		The final response, 200 OK, is sent by the MGCF over the signaling path when the subscriber accepted the incoming session attempt.	

BGCF Interface	GCF Interfaces (IMS-PSTN(ISUP) Call; Megaco/H.248 Signaling; IMS Caller Initiated Call Release)				
IMS Core	Network		PSTN Interface		EventStudio System Designer 6
Home	e IMS		Signaling		
Orig S	-CSCF	BGCF	M	CF	24-Feb-13 15:23 (Page 2)
This sequence d	iagram was generated	I with EventStudio Sy	stem Designer (http://w	w.EventHelix.com/EventStudio).	
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GCF Interfaces (Called PSTN Subscriber Initiates Release)				
IMS Core Network PSTN Interface			EventStudio System Designer 6	
	Home IMS Signaling Orig S-CSCF BGCF MGCF		24-Feb-13 15:23 (Page 3)	
Orig S-CSCF			MGCF	
				is routed via the BGCF (Border Gateway Control Function) to the MGCF (Media Gateway . The termination RTP1 is used towards IMS Core network subsystem entity and the
This sequence diagram was ge	nerated with Event	tStudio System Designer (htt	p://www.EventHelix.c	com/EventStudio).
IMS to PSTN(ISUP) call setup				
This sequence diagram was ge	nerated with Event	 tStudio System Designer (htt	p://www.EventHelix.c	com/EventStudio).
1			1	

IMS Core Network Home IMS Signaling Orig S-CSCE BCCF BCCF BCCF BCCF BCCF BCCF BCCF BC	BGCF Interfaces (IMS Network Initiates Call Release)					
Home IMS Orig S-CSCF BGCF MGCF This call flow describes the call setup from one IMS subscriber to ISUP PSTN termination. The call is routed via the BGCF (Border Gateway Control Function) to the MGCF (Media Gateway Control Function). The MGCF uses one context with two terminations in IM-MGW (Media Gateway). The termination RTP1 is used towards IMS Core network subsystem entity and the bearer termination TDM1 is used for bearer towards PSTN CS network element.  This sequence diagram was generated with EventStudio System Designer (http://www.EventHelix.com/EventStudio).  IMS to PSTN(ISUP) call setup				EventStudio System Designer 6		
This call flow describes the call setup from one IMS subscriber to ISUP PSTN termination. The call is routed via the BGCF (Border Gateway Control Function) to the MGCF (Media Gateway Control Function). The MGCF uses one context with two terminations in IM-MGW (Media Gateway). The termination RTP1 is used towards IMS Core network subsystem entity and the bearer termination TDM1 is used for bearer towards PSTN CS network element.  This sequence diagram was generated with EventStudio System Designer (http://www.EventHelix.com/EventStudio).  IMS to PSTN(ISUP) call setup						
This sequence diagram was generated with EventStudio System Designer (http://www.EventHelix.com/EventStudio).  IMS to PSTN(ISUP) call setup	Orig S-CSCF	S-CSCF BGCF MGCF		24-Feb-13 15:23 (Page 4)		
IMS to PSTN(ISUP) call setup	This call flow describes the call s Control Function). The MGCF us bearer termination TDM1 is used	setup from one IMS subscriber to es one context with two terminati d for bearer towards PSTN CS ne	ISUP PSTN termination. The call ons in IM-MGW (Media Gateway) twork element.	is routed via the BGCF (Border Gateway Control Function) to the MGCF (Media Gateway . The termination RTP1 is used towards IMS Core network subsystem entity and the		
	This sequence diagram was gene	erated with EventStudio System [	esigner (http://www.EventHelix.c	om/EventStudio).		
This sequence diagram was generated with Event Studio System Designer (http://www.EventHelix.com/EventStudio).	IMS to PSTN(ISUP) call setup					
	This sequence diagram was gene	erated with EventStudio System [	esigner (http://www.EventHelix.c	om/EventStudio).		

GCF Interfaces (MGCF Initiated Call Release)				
IMS Core Network PSTN Interface			EventStudio System Designer 6	
	Home IMS Signaling Orig S-CSCF BGCF MGCF		MCCE	24-Feb-13 15:23 (Page 5)
Orig S-CSCF				
This call flow describes the call Control Function). The MGCF us bearer termination TDM1 is use	setup from one IN ses one context wi d for bearer towar	MS subscriber to ISUP PSTN ter ith two terminations in IM-MGV rds PSTN CS network element.	rmination. The call V (Media Gateway).	is routed via the BGCF (Border Gateway Control Function) to the MGCF (Media Gateway The termination RTP1 is used towards IMS Core network subsystem entity and the
This sequence diagram was ger	erated with Event	Studio System Designer (http://	/www.EventHelix.co	om/EventStudio).
IMS to PSTN(ISUP) call setup				
This sequence diagram was ger	erated with Event	 Studio System Designer (http://	  /www.EventHelix.co	om/EventStudio).
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