Term P-CSCF Interf	faces (Caller and Cal	led are IMS Subscrib	ers)				
Calling UE IMS Network						Called UE	EventStudio System Designer 4.0
Caller User Equipment	Visited IMS 1 Orig P-CSCF	Home IMS 1 Orig S-CSCF	Home IMS 2			Called User	Eventstudio system Designer 4.0
Caller			Term I-CSCF	Term S-CSCF	Term P-CSCF	Equipment Called	15-Dec-07 08:27 (Page 1)
IMS Routing of Initia	_	<u> </u>					
				INVITE CALL P-Asserted- <caller@him <tel:+13015 Via: <term <orig s-csc<br=""><calling-ue Route: <ter Record-Rout S-CSCF> <ot< td=""><td>sl.net>, 556666>, S-CSCF> <term i-cscf=""> F> <orig p-cscf=""> >, m P-CSCF>, e: <term s-cscf=""> <orig< td=""><td></td><td>The public URI in the SIP INVITE is replaced with the called subscriber's registered IP address and port number. The message is routed to the P-CSCF IP address that was recorded at the time of registration. The Via and Record-Route headers are updated.</td></orig<></term></orig></term></td></ot<></ter </calling-ue </orig></term </tel:+13015 </caller@him 	sl.net>, 556666>, S-CSCF> <term i-cscf=""> F> <orig p-cscf=""> >, m P-CSCF>, e: <term s-cscf=""> <orig< td=""><td></td><td>The public URI in the SIP INVITE is replaced with the called subscriber's registered IP address and port number. The message is routed to the P-CSCF IP address that was recorded at the time of registration. The Via and Record-Route headers are updated.</td></orig<></term></orig></term>		The public URI in the SIP INVITE is replaced with the called subscriber's registered IP address and port number. The message is routed to the P-CSCF IP address that was recorded at the time of registration. The Via and Record-Route headers are updated.
				SDP: <calle< td=""><td>r Supported Codec List> media authorization toker PDF</td><td></td><td>The terminating P-CSCF requests the Policy Decision Function (PDF) to generate a media authorization token. The token will be included in the INVITE sent to the terminating UE.</td></calle<>	r Supported Codec List> media authorization toker PDF		The terminating P-CSCF requests the Policy Decision Function (PDF) to generate a media authorization token. The token will be included in the INVITE sent to the terminating UE.
				100	INVITE CALI P-Asserted- <caller@him <tel:+1301e Via: <term S-CSCF> <or <calling-ue Route: <ter Record-Rout S-CSCF> <or Contact: <c SDP: <calle List>, P-Media-Aut</calle </c </or </ter </calling-ue </or </term </tel:+1301e </caller@him 	ms1.net>, 5556665, P-CSCF>;port <term erm I-CSCF> <orig rig P-CSCF></orig </term 	The P-CSCF updates the Via and Route-Record headers and forwards the request to the Called UE. Note that the secure port is included in the Via address specification. The message also includes the media authorization token. This token will have to be passed to the GGSN in the PDP context activation request.
				4	[rying		
IMS Routing of First	Response to the SIP	Invite					
					Via: <term S-CSCF> <te S-CSCF> <o <calling-ue Record-Rout <orig s-ccc<br="">Contact: <c< td=""><td>te: <term s-cscf="">;port CF> <orig p-cscf="">, Calling UE IP> :Port, cs supported by Caller</orig></term></td><td>The UE replies indicating that the session is in progress. The contact address is set its own IP address. The Via and the Record-Route headers are copied from the received INVITE.</td></c<></orig></calling-ue </o </te </term 	te: <term s-cscf="">;port CF> <orig p-cscf="">, Calling UE IP> :Port, cs supported by Caller</orig></term>	The UE replies indicating that the session is in progress. The contact address is set its own IP address. The Via and the Record-Route headers are copied from the received INVITE.
				Via: <term <orig s-csc<br=""><calling-ue Record-Rout S-CSCF> <or Contact: <c< td=""><td>e: <term s-cscf=""> <orig ig P-CSCF>, alling UE IP> :Port, s supported by Caller</orig </term></td><td></td><td>The P-CSCF removes its own Via header entry and addresses the message to the top via header (Term S-CSCF in this case). The P-CSCF also removes the secure port from the Record-Route.</td></c<></or </calling-ue </orig></term 	e: <term s-cscf=""> <orig ig P-CSCF>, alling UE IP> :Port, s supported by Caller</orig </term>		The P-CSCF removes its own Via header entry and addresses the message to the top via header (Term S-CSCF in this case). The P-CSCF also removes the secure port from the Record-Route.
PDP Context Activation	on and Audio/Video F	Path Setup	I		I	I	
					ACK PR	CTEd Codec>,	The Caller now sends a PRACK to inform the called subscriber about the selected Codec.

rm P-CSCF Inter	faces (Caller and Cal	led are IMS Subscrib	oers) IMS Network				
Calling UE	EventStudio System Designer 4.0						
Caller User Equipment	Visited IMS 1	Home IMS 1	Home IMS 2			Called User Equipment	
Caller	Orig P-CSCF	Orig S-CSCF	Term I-CSCF	Term S-CSCF	Term P-CSCF	Called	15-Dec-07 08:27 (Page 2)
							The message also indicates that currently the resources needed for meeting the quality of service requiements of the session are not available.
				◄		DO OK ected Codec>, S: none>	The called subscriber acknowledges the PRACK. The message also indicates that quality of service for the session is not met f the called subscriber.
				SDP: <loca sendrecv></loca 		PDATE al-QOS:	Since the caller PDP context has been activated, notify the called end that the calle can now meet the quality of service in the send and receive direction.
				◄	1-QOS: none> SDP: <loc< td=""><td>DO OK al-QOS: none></td><td>The caller replies back to the called user. No that the Local QoS is still set to none as the called PDP context activation has not been</td></loc<>	DO OK al-QOS: none>	The caller replies back to the called user. No that the Local QoS is still set to none as the called PDP context activation has not been
				180	Ringing 180	Ringing	completed. Inform the caller that the called subscriber i being rung. This serves as an implicit indication to the caller that the QoS at the called side has also been met.
				PF	RACK P	ACK	The caller acknowledges the ringing messa
				⊲ ²⁰	0 OK 2	DO OK	The called subscriber acknowledges the PRACK. Notify the caller that that the call has been answered.
				< 20	0 OK 2	оо ок	
					ACK	ACK	The caller acknowledges the "200 OK" message. The call is now ready to enter conversation mode.