

Processor Interfaces (Caller and Called are IMS Subscribers)								
•			/IS Network	etwork			I UE	EventStudio System Designer 4.0
Caller User Equipment	Visited I	MS 1 H	ome IMS 1	IMS 1 Home IMS 2		Called User Equipment		15-Dec-07 07:55 (Page 2)
		i	183 Sessi	V: S: S: S: S: S: S: S: S: S: S: S: S: S:	ia: <term -CSCF> <tc -CSCF> <o: Calling-Ui ecord-Rout -CSCF>;pon Drig P-CS(ontact: <(Port, Port, aller and</o: </tc </term 	te: <term rt <orig s-c<br="">CF>, Calling UE cs supported</orig></term 	rt <term <orig CSCF> IP></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.
	Vi <c Re SD</c 	A Session Provide the session of the	P-CSCF> « Record-Ro «Orig S-C SDP: «Cod Caller an OGTCSS CF> Drig P-CSCF> Drig P-CSCF>, pported by	g S-CSCF> <or Calling-UE>; ute: <term \$-<br="">SCF> <orig ₱-<br="">ecs supported d Called></orig></term></or 	CSCF> CSCF>,			
<orig p-cs;<br="">SDP: <code Caller and P-Media-Au</code </orig>	ing-UE>, te: <term rt <orig s-cs<br="">CF>, cs supported Called>, thorization</orig></term 	SCF> by						Just like other nodes, the Orig P-CSCF removes its own entry from the Via header. The P-CSCF also updates the Record-Route header to include the protected port number in its entry. This forces the terminal to send all responses using the protected IPSec SA. The message also includes the media authorization token. This token will have to be passed to the GGSN in the PDP context activation request.
PDP Context Activation and Audio/Video Path Setup								
PR/ SDP: <selec Codec>, <lo none></lo </selec 	cted SD ocal-QOS: Co	PRACK PP: <selected dec>, <local- ne></local- </selected 	SDP: <sel< td=""><td>Local-QOS: Co</td><td>PRA DP: <selec odec>, <lc one></lc </selec </td><td>cted</td><td></td><td>The Caller now sends a PRACK to inform the called subscriber about the selected Codec. The message also indicates that currently the resources needed for meeting the quality of service requiements of the session are not available.</td></sel<>	Local-QOS: Co	PRA DP: <selec odec>, <lc one></lc </selec 	cted		The Caller now sends a PRACK to inform the called subscriber about the selected Codec. The message also indicates that currently the resources needed for meeting the quality of service requiements of the session are not available.
200 SDP: <seler Codec>, <lr none></lr </seler 	cted SD ocal-QOS: Co	200 OK DP: <selected dec>, <local-< td=""><td>SDP: <sel< td=""><td>Local-QOS: Co</td><td>200 DP: <selec odec>, <lo one></lo </selec </td><td>cted</td><td></td><td>The called subscriber acknowledges the PRACK. The message also indicates that quality of service for the session is not met for the called subscriber.</td></sel<></td></local-<></selected 	SDP: <sel< td=""><td>Local-QOS: Co</td><td>200 DP: <selec odec>, <lo one></lo </selec </td><td>cted</td><td></td><td>The called subscriber acknowledges the PRACK. The message also indicates that quality of service for the session is not met for the called subscriber.</td></sel<>	Local-QOS: Co	200 DP: <selec odec>, <lo one></lo </selec 	cted		The called subscriber acknowledges the PRACK. The message also indicates that quality of service for the session is not met for the called subscriber.
	UPDATE			DATE	UPD DP: <local< td=""><td></td><td></td><td>Since the caller PDP context has been activated, notify the called end that the caller can now meet the quality</td></local<>			Since the caller PDP context has been activated, notify the called end that the caller can now meet the quality
sendrecv>	se	200 OK	sendrecv>		endrecv>			of service in the send and receive direction. The caller replies back to the called user. Note that the
SDP: <local none></local 		P: <local-qos one></local-qos 	: SDP: <loc none></loc 		DP: <local one></local 	l-QOS:		Local QoS is still set to none as the called PDP context activation has not been completed.
180 R	inging	180 Ringir	ig 180 F	Ringing	180 R		Ringing	Now all the resources for the call are in place. Ring the called subscriber to notify the user about the incoming call. Inform the caller that the called subscriber is being rung. This serves as an implicit indication to the caller
PR		PRACK	PR	ACK	PRA	АСК	that the QoS at the called side has also been met. The caller acknowledges the ringing message.	
200	200 OK 200		20	ООК	200 OK			The called subscriber acknowledges the PRACK.
							Answer	The called subscriber answers the call.
200	ОК	200 OK	20	О ОК	200	ОК	•	Notify the caller that that the call has been answered.
			-				The caller acknowledges the "200 OK" message. The call is now ready to enter conversation mode.	
Conversation on a direct RTP/RTCP connection between the caller and called subscriber SIP phones.								
								-