

SDP Use in an IMS-to-IMS Call (SDP Codec Selection and QoS Signaling)			
Calling UE	Core Network	Called UE	EventStudio System Designer 4.0
Caller User Equipment	GGSN	Called User Equipment	
Caller	GGSN	Called	07-Dec-07 22:30 (Page 2)
Activate PDP Context Accept			The called PDP context activation has been completed. At this point, the caller and the called PDP contexts are both active. The QoS for the call can now be met.
Activate PDP Context Accept			The caller PDP context activation has been completed.
UPDATE v=0, o=- <session-id> <version> IN IPV6 <caller-ipaddr>, c=IN IPV6 <caller-ipaddr>, s=-, t=<start-time> 0, m=audio <caller-port> RTP/AVP 97, a=tpmap:97 AMR, a=curr:gos local sendrecv,</caller-port></start-time></caller-ipaddr></caller-ipaddr></version></session-id>			Since the caller PDP context has been activated, notify the called end that the caller can now meet the quality of service in the send and receive direction. The "a=curr:qos local sendrecv" signals that the caller (local) PDP context has been established. Note that the UPDATE is being sent in response to the QOS confirmation request received in "183 Session Progress" message from the caller.
a=curr:qos remote none; a=des:qos mandatory lo¢al sendrecv, a=des:qos mandatory remote sendrecv			
200 OK v=0, o=- <session-id> <version> IN IPV6 <called-ipadd:< td=""><td><pre>6 <called-ipaddr>,</called-ipaddr></pre></td><td>The caller replies back to the called user. Note that the "a=cur" line for the called (local) has been updated to indicate that called end QoS is also met.</td></called-ipadd:<></version></session-id>		<pre>6 <called-ipaddr>,</called-ipaddr></pre>	The caller replies back to the called user. Note that the "a=cur" line for the called (local) has been updated to indicate that called end QoS is also met.
c=IN IPV6 < s=-, t= <start-ti m=audio <ca a=xtpmap:97 a=curr:qos a=curr:qos a=des:qos m</ca </start-ti 	called-ipaddr>, me> 0, lled-port> RTP/AVP 97,	ν,	
		Ringing	Now all the resources for the call are in place. Ring the called subscriber to notify the user about the incoming call.
	180 Ringing		Inform the caller that the called subscriber is being rung. This serves as an implicit indication to the caller that the QoS at the called side has also been met.
	PRACK	►	The caller acknowledges the ringing message.
۹	200 OK		The called subscriber acknowledges the PRACK.
		Answer	The called subscriber answers the call.
•	200 OK		Notify the caller that the call has been answered.
	A¢K	►	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.			]