Release 6 Submission form

Feature / Item:		**Gx Protocol for Flow Based Charging**			
Affects:	**UE/MS: No**	**CN: Yes**	**UTRAN: No**	**GERAN: No**	**Compatibility Issues:** **Yes: x** **No:**
Expected Completion Date:		**September 2005**			
Services impacted:		**Flow Based Charging.**			
Specifications affected:		**TS 29.210**			
Tasks within work which are not complete:		**Common solution regarding the use of DCC sub-sessions or DCC sessions for both of the applications Gx and Gx over Gy.**			
Consequences if not included in Release 6:		**Two different GGSN implementations.**			
Accepted by TSG# **28** **for late inclusion in Release 6:**					

Abstract of document:

TS 29.210 specifies the Gx interface for Flow Based Charging. The Gx Application may run stand alone or together with Gy (Gx over Gy Application). The Gx Application uses Diameter Credit Control (DCC) sub-sessions, whereas the Gx over Gy Application uses only DCC sessions in alignment with the Gy online charging Application. This requires the GGSN to provide different implementations depending on how Gx is used.

Contentious Issues:

CT3 has specified for the Gx interface the use of DCC sub-sessions. When combining Gx and Gy interfaces it became clear that this is not applicable for Gx over Gy because Gy does not use DCC sub-sessions, but uses DCC sessions only. Gy is in the responsibility of SA5 SWG B. Therefore, CT3 #36 agreed to remove the sub-sessions for Gx over Gy option, see approved CR in CP-050045 (C3-050428).