

**3GPP TSG-SA Meeting #19
Birmingham, UK, 17-20 March, 2003**

SP-030134

Source: NEC
Title: Responsibility of charging architecture issues
Agenda item: 7.2.2
Document for: Discussion and decision

1. Introduction

Within SA2, there has been long discussion on the charging architecture issues for scenario2 and scenario3. since SA2#27 meeting in October . After the SA2#29 meeting, there was e-mail discussion on the specific charging architecture issue whether Packet data GW is directly interfaced with charging entities like CCF/OCS or through mediator like AAA server. However, this e-mail discussion did not get fruitful result. Besides that, there was few expertise people who knows the current status of SA5 charging specs. Even if we discuss until the end of the year, it may be difficult to get a fruitful result.

In summary, so far several issues are still not discussed or remain as unresolved issue after the last SA2 #30 meeting. Because there was no time allocated for this issue due to be placed as lower prioritised issues. At the last SA2#30 meeting, it was decided to send LS (SP-030065) to SA5 regarding the current status of WLAN spec. TS23.234. On the other hand, SA5 has been also discussed the charging architecture for WLAN based on the exchange of LS between SA2 and SA5 since SA5#31 meeting in November 2002. At the last SA5#33, LS(SP-030051) regarding the charging architecture issue was also agreed to send to SA2. The main intension of the LS is to transfer the responsibility of charging architecture from SA2 to SA5 because SA5 is the main responsibility for charging architecture and it becomes problematic for SA5 to develop stage2 and stage 3 charging specs within the timeframe of Rel6 if the stagnation continues within SA2. This contribution proposes the way forward for the stagnation of charging architecture issues and proposes to send LS regarding the guidance of the issues by SA to SA2 and SA5.

SP-030051 and SP-030065 are input LS for this plenary.

2. Discussion

It is obvious that the responsibility of charging architecture specification is within SA5. The way forward is how and when the charging related documents can be transferred. The current TS 23.234 v.1.6.0 includes charging related subclauses in the main body.

At the SA2#29 meeting, it was discussed how to handle the charging related subclause. Three alternatives were shown , taken into account the S5-034155

Alternative1: Charging related subclauses are kept in the TS until the TS is stabilized .

Alternative2 Charging related subclauses are moved to Annex (normative).

Alternative3 Charging related subclauses are removed from the TS and produce TR.(same as IMS)

Other variation of alternatives can be considered in addition to the above alternatives.

Regarding alternative1, it is not clear when the TS is stabilized. At least, at the last SA2#30 meeting, there is no progress at all regarding charging issues for WLAN interworking. In the mean time, SA5 requested SA2 to transfer the responsibility of charging related issue to SA5. SA5 is usually gathered by charging experts so that stagnation in SA2 should not cause trouble for resolving the charging issues by SA5.

Regarding alternative2 or alternative 3, NEC has no preference, but alternative 2 is easier at this stage.

I.e. SA2 will remove the Annex(normative) from the TS once SA5 specs were produced. SA5 can easily recognize which part is their responsibility for developing the spec in SA5.

Regarding alternative3, it should be produced some kind of new information in the TR such as allocation of new TR number, scope or definition, etc..

Regarding the time of the transfer of responsibility for charging related parts, as proposed in the LS from SA5, joint meeting with SA5 and SA2 should be established in April or May gathering responsibility should be transferred to SA5 after this meeting.

3. Proposal

Based on the discussion above, it is proposed that the LS to SA2 and SA5 is produced: The main contents are;

As described in section 2, it is proposed that the relevant charging related subclauses be moved to annex A (normative) and existing relevant part of subclauses numbering be changed according to this proposal. This reorganized TS should be fixed before the joint meeting which is proposed below. It is also proposed that joint meeting with SA5 and SA2 should be established in April or May and the responsibility regarding charging related parts should be transferred to SA5 after this meeting. The date of joint meeting should be temporary determined at this plenary.