3GPP TSG CN Plenary Meeting #17 **NP-020381**
4th - 6th September 2002. Biarritz, France.

Source: **TSG CN WG 1**

Title: **CR to Rel-5 on Work Item TEI5 towards 24.008 with SA2 CR linkage**

Agenda item: **8.8**

Document for: **APPROVAL**

Introduction:

This document contains **1** CR on **Rel-5 to** Work Item **"TEI5"**, that have been agreed by **TSG CN WG1**, and are forwarded to TSG CN Plenary meeting #17 for approval.

CR#651r1 has a corresponding CR388r1 in 3GPP TS 23.060.

Spec	CR #	Rev	CAT	Rel	Tdoc Title	Meeting	TDoc #	C_Version
24.008	651	1	F	Rel-5	Usage of the Service Request procedure	N1-25	N1-021775	5.4.0

3GPP TSG-CN1 Meeting #25

Tdoc N1-021775
revised N1-021637

Helsinki, Finland, 29 July – 2 August

CR-Form-v7

CHANGE REQUEST

⌘ **24.008** **CR** **651** ⌘ **rev** **1** ⌘ Current version: **5.4.0** ⌘

*For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.*

Proposed change affects: UICC apps⌘ [ ] ME [X] Radio Access Network [ ] Core Network [X]

Title:	⌘	Usage of the Service Request procedure
Source:	⌘	Siemens AG
Work item code:	⌘	TEI5
Date:	⌘	29.07.2002
Category:	⌘	**F**
Release:	⌘	REL-5

Use one of the following categories:
F *(correction)*
A *(corresponds to a correction in an earlier release)*
B *(addition of feature),*
C *(functional modification of feature)*
D *(editorial modification)*
Detailed explanations of the above categories can be found in 3GPP TR 21.900.

Use one of the following releases:

2	*(GSM Phase 2)*
R96	*(Release 1996)*
R97	*(Release 1997)*
R98	*(Release 1998)*
R99	*(Release 1999)*
Rel-4	*(Release 4)*
Rel-5	*(Release 5)*
Rel-6	*(Release 6)*

Reason for change:	⌘	With the 23.060 CR 388 r1 (SA2-021894) it is clarified, that the MS shall not start a second Service Request with service type set to data if a Service Request with service type data was accepted previously unless the PMM-IDLE state is entered again.
Summary of change:	⌘	This CR incorporates the changes in the affected GMM and SM specific sections which are required due to the above mentioned changes in the stage 2 description.
Consequences if not approved:	⌘	Inconsitency between the Stage2 and stage3 description of the service request procedure.

Clauses affected:	⌘	4.7.13

	Y	N			
Other specs affected:	X		Other core specifications	⌘	23.060 CR 388 r1 (SA2-021894)
		X	Test specifications		
		X	O&M Specifications		

Other comments:	⌘	This CR depends on the approval of the 23.060 CR 388 r1 (SA2-021894).

4.7.13 Service Request procedure (UMTS only)

The purpose of this procedure is to transfer the PMM mode from PMM-IDLE to PMM-CONNECTED mode, and/or to assign radio access bearer in case of PDP contexts are activated without radio access bearer assigned. In latter case, the PMM mode may be PMM-IDLE mode or may alternatively be the PMM-CONNECTED mode if the MS requires radio access bearer re-establishment. This procedure is used for;

- the initiation of CM layer service (e.g. SM or SMS) procedure from the MS in PMM-IDLE mode.
- the network to transfer down link signalling,
- uplink (in PMM-IDLE or PMM CONNECTED) and downlink (only in PMM-IDLE) user data.

For downlink transfer of signalling or user data in PMM-IDLE mode, the trigger is given from the network by the paging request procedure, which is out of scope of the present document.

For pending downlink user data in PMM-CONNECTED mode, the re-establishment of radio access bearers for all active PDP contexts is done without paging.

Service type can take either of the following values, "signalling", "data" or "paging response". Each of the values shall be selected according to the criteria to initiate the Service request procedure.

The criteria to invoke the Service request procedure are when;

a) the MS has any signalling message (e.g. for SM or SMS), that requires security protection, to be sent to the network in PMM-IDLE mode (i.e., no secure PS signalling connection has been established). In this case, the service type shall be set to "signalling".

b) the MS, either in PMM-IDLE or PMM-CONNECTED mode, has pending user data to be sent and no radio access bearer is established for the corresponding PDP context. The procedure is initiated by an indication from the lower layers (see 3GPP TS 24.007). In this case, the service type shall be set to "data". If in PMM-CONNECTED mode, a Service Request with service type "data" was already accepted by the network the MS shall not issue a second Service Request with service type "data" unless the PMM-IDLE state is entered again.

c) the MS receives a paging request for PS domain from the network in PMM-IDLE mode. In this case, the service type shall be set to "paging response".

After completion of a Service request procedure but before re-establishment of radio access bearer, if the PDP context status information element is included, then the network should deactivate all those PDP contexts locally (without peer to peer signalling between the MS and the network), which are not in SM state PDP-INACTIVE on network side but are indicated by the MS as being in state PDP-INACTIVE.

After completion of a Service request procedure, the pending service is resumed and uses then the connection established by the procedure. If the service type is indicating "data", then the radio access bearers for all activated PDP contexts are re-established. The selective re-assignment capability is not supported for the simplicity of the function.