

Source: SA1
Title: CR to 22.105 on Service Based Local Policy Requirements (Rel-6)
Document for: Approval
Agenda Item: 7.1.3

CR-Form-v7	
CHANGE REQUEST	
⌘ 22.105 CR 042 ⌘ rev - ⌘ Current version: 6.1.0 ⌘	

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 Radio Access Network Core Network

Title:	⌘ Service Based Local Policy Requirements		
Source:	⌘ Nortel Networks		
Work item code:	⌘ E2EqoS	Date:	⌘ 28/03/2003
Category:	⌘ B	Release:	⌘ REL-6
	<i>Use one of the following categories:</i> 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 .		<i>Use one of the following releases:</i> 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:	⌘ To provide flexible control of resources in the PS Domain thus ensuring that the QoS provided and charged for is in line with that authorized by the service. Contributions (S1-030114, S1-021930) have been presented at previous meetings that listed requirements for flexible control of resources in the PS Domain. Any Service Based Local Policy control provided within the PLMN should be general enough to be used with all services provided over the PS Domain.
Summary of change:	⌘ A new section 9.1 is added
Consequences if not approved:	⌘ Opertors will not have a flexible way to manage resources for IP based services.

Clauses affected:	⌘ 9										
Other specs affected:	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="padding: 2px;">Y</td> <td style="padding: 2px;">N</td> </tr> <tr> <td style="padding: 2px;">X</td> <td style="padding: 2px;"></td> </tr> <tr> <td style="padding: 2px;"></td> <td style="padding: 2px;">X</td> </tr> <tr> <td style="padding: 2px;"></td> <td style="padding: 2px;">X</td> </tr> </table>	Y	N	X			X		X	Other core specifications Test specifications O&M Specifications	⌘
Y	N										
X											
	X										
	X										
Other comments:	⌘										

How to create CRs using this form:

Comprehensive information and tips about how to create CRs can be found at <http://www.3gpp.org/specs/CR.htm>. Below is a brief summary:

- 1) Fill out the above form. The symbols above marked ¶ contain pop-up help information about the field that they are closest to.
- 2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be downloaded from the 3GPP server under <ftp://ftp.3gpp.org/specs/> For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.
- 3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

***** New Section *****

5.7 Service Based QoS Control of IP based Services

Many IP based services and applications will negotiate the resources required in an end to end manner on the application level. It is essential for the PLMN to provide the capability of ensuring that the resources provided and charged for shall be in line with that authorized by the service and subscription.

The PLMN

- shall be able to dynamically allocate QoS according to service needs and subscription information.
- shall be able to give differentiated policing for the traffic within an APN. That is, the policing shall be on a per service flow basis (i.e. on the basis of specific flows of IP packets identified by the service).
- shall control the requested QoS parameters based on the invoked service needs and subscription information.
- shall facilitate service-flow level charging.

Any solution:

- shall support roaming users
- should minimise UE dependencies and optimize usage of network resources

***** End of Changes *****