

CR-Formv7

CHANGE REQUEST

↖
22.174 CR 010
↗
rev
1
↖
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:	↖ Push Service Independence ↗		
Source:	↖ Research in Motion ↗		
Work item code:	↖ PUSH ↗	Date:	↖ 13/01/2003 ↗
Category:	↖ F ↗	Release:	↖ Rel-6 ↗
	Use <u>one</u> of the following categories:		Use <u>one</u> of the following releases:
	F (correction)	R96	(GSM Phase 2)
	A (corresponds to a correction in an earlier release)	R97	(Release 1996)
	B (addition of feature),	R98	(Release 1997)
	C (functional modification of feature)	R99	(Release 1998)
	D (editorial modification)	Rel-4	(Release 1999)
	Detailed explanations of the above categories can be found in 3GPP TR 21.900 .		Rel-5 (Release 4)
			Rel-6 (Release 5)
			Rel-6 (Release 6)

Reason for change:	↖ Requirement for Push to be independent of other services is vague. ↗
Summary of change:	↖ Requirement made explicit to both IMS and SMS ↗
Consequences if not approved:	↖ Unclear Requirement. ↗

Clauses affected:	↖ 5.1 ↗										
Other specs affected:	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 20px; text-align: center;">Y</td> <td style="width: 20px; text-align: center;">N</td> </tr> <tr> <td style="text-align: center;">↖</td> <td style="text-align: center;">X</td> </tr> <tr> <td style="text-align: center;">↖</td> <td style="text-align: center;">X</td> </tr> <tr> <td style="text-align: center;">↖</td> <td style="text-align: center;">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.

5 Requirements

The following list gives the high level requirements for the Push service.

5.1 General

The Push Service shall allow a Push Initiator (which may be external to the PLMN) to initiate delivery of push data to the Push recipient. It shall be possible to deliver push data to the push recipient without any user intervention, subject to settings in the push subscription profile. The Push Initiator may interrogate the push subscription profile, if available, in order to establish the user preference related to the Push Service.

?? The push mechanism shall be efficient in the use of network resources and terminal resources.

?? It shall be possible to support Push Service independently over CS (including CS data and SMS), PS domains or IMS.

NOTE:

?? Operators should be able to choose which of these options they use to deliver Push services, and it should be possible to use these options independently from each other. E.g. delivery over the PS domain would allow operators who are not planning to introduce IMS and SMS to offer Push Services

~~?? It shall be possible to deploy Push Services independently of other services defined by 3GPP.~~

?? The quality of service delivery shall be able to include time -sensitive as well as reliable delivery choices

?? It shall be possible to use all available access networks (e.g. GERAN, UTRAN,).

?? It shall be possible for the Push Initiator to specify a bearer for the Push Service, as a default the push service shall identify the bearer. The Push Initiator may, however, require certain grade of service for delivery, e.g. speed of delivery or delivery acknowledgement.