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**Source:** SA1  
**Title:** Release 6 CR to 22.067 for Priority Service  
**Document for:** Approval  
**Agenda Item:** 7.1.3

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SA Doc	Spec	CR	Rev	Phase	Cat	Subject	Old Vers	New Vers	SA1 Doc
SP-020656	22.067	004		Rel-6	C	CR to 22.067 for Priority Service	5.0.0	6.0.0	S1-022377

CR-Form-v7

## CHANGE REQUEST

⌘ **22.067** CR **004** ⌘ rev **-** ⌘ Current version: **5.0.0** ⌘

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

<b>Title:</b>	⌘ Changes to accommodate Priority Service		
<b>Source:</b>	⌘ SA1 (Telcordia Technologies)		
<b>Work item code:</b>	⌘ PRIOR-FS	<b>Date:</b>	⌘ 14/11/2002
<b>Category:</b>	⌘ <b>C</b>	<b>Release:</b>	⌘ Rel-6
	Use <u>one</u> 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 <u>one</u> 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)

<b>Reason for change:</b>	⌘ To accommodate an optional additional priority level for subscription
<b>Summary of change:</b>	⌘ Optionally support priority level B for subscription
<b>Consequences if not approved:</b>	⌘ Insufficient priority levels to meet USA Federal Communications Commission (FCC) Report and Order (00-242) for Priority Access Service.

<b>Clauses affected:</b>	⌘ 1, 4										
<b>Other specs affected:</b>	<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="text-align: center; padding: 2px;">X</td> <td style="padding: 2px;"></td> </tr> <tr> <td style="text-align: center; padding: 2px;">X</td> <td style="padding: 2px;"></td> </tr> <tr> <td style="text-align: center; padding: 2px;">X</td> <td style="padding: 2px;"></td> </tr> </table>	Y	N	X		X		X		Other core specifications	⌘
	Y	N									
	X										
X											
X											
Test specifications			⌘								
O&M Specifications			⌘								
<b>Other comments:</b>	⌘										

## Change in Clause 1

# 1 Scope

The present document specifies the stage 1 description of the enhanced Multi-Level Precedence and Pre-emption Service (eMLPP). This service has two parts: precedence and pre-emption. Precedence involves assigning a priority level to a call in combination with fast call set-up. Pre-emption involves the seizing of resources, which are in use by a call of a lower precedence, by a higher level precedence call in the absence of idle resources. Pre-emption can also involve the disconnection of an on-going call of lower precedence to accept an incoming call of higher precedence.

The eMLPP service is provided as a network operator's option to a domain of a network. The domain can be the whole network or a subset of the network. The eMLPP service applies to all network resources in the domain that is in common use. The eMLPP service is applicable to all mobile stations in the domain with all or some mobile stations having a respective subscription assigning precedence according to the eMLPP service.

eMLPP is a supplementary service and shall be provided to a subscriber for all basic services subscribed to and for which eMLPP applies.

~~NOTE: It is under study whether normal GSM Phase 2 Mobile Stations will be able to be used for this service.~~

The service is described from the service subscriber's and user's point of view, in particular:

- the procedure for normal operation with successful outcome;
- the action to be taken in exceptional circumstances;
- the interaction with other services and features.

The present document does not deal with the Man-Machine Interface (MMI) requirements, but makes reference to the appropriate specifications.

The present document is applicable to teleservices 1x and 6x and to all bearer services used in a mobile network if eMLPP is provided. Any interaction with other services and/or networks not dealt with in clauses 8 or 9 are outside the scope of the present document.

## End of Change in Clause 1

## Change in Clause 4

### 4 Description

- a) The enhanced Multi-Level Precedence and Pre-emption service (eMLPP) provides different levels of precedence for call set-up and for call continuity in case of handover.

eMLPP shall be applicable also in case of roaming if supported by the related networks.

The maximum precedence level of a subscriber is set at the subscription time by the service provider, based on the subscriber's need. The subscriber may select a precedence level up to and including the maximum precedence level subscribed to, on a per call basis.

There are at maximum 7 priority levels. The ~~two~~ highest levels (A) ~~are~~ is reserved for network internal use, e.g. for emergency calls or the network related service configurations for specific voice broadcast or voice group call services. The second highest level (B) can be used for network internal use or, optionally, depending on regional requirements, for subscription. These two levels (A and B) can only be used locally, i.e. in the domain of one MSC. The other five priority levels are offered for subscription and can be applied globally, e.g. on inter switch trunks, if supported by all related network elements, and also for interworking with ISDN networks providing the MLPP service.

The seven priority levels are defined as follows:

- A (highest, for network internal use).
- B (for network internal use or, optionally, for subscription).
- 0 (for subscription).
- 1 (for subscription).
- 2 (for subscription).
- 3 (for subscription).
- 4 (lowest, for subscription).

Levels A and B shall be mapped to level 0 for priority treatment outside of the MSC area in which they are applied.

**End of Change in Clause 4**

**End of CR**