MORANE Project Team

Title: Change Request

CHANGE REQUEST		MCR Number: *MCR 00-01.1*
MORANE Document		*SSRS* *Ref. A 04/22 T 6002 3*
Status	Approved ☑ Rejected [ ] Postponed [ ]	
Source	*MORANE Project Team*	
Date	*30/06/00*	
Subject	1) Alignment of eMLPP/MLPP levels between MORANE and EIRENE. 2) Maximum subscribed priority level is stored in SIM and HLR.	
Reason for change	1) In EIRENE FRS v. 4.0 (section 10.2.2) and SRS 12.0 (section 5.5), the eMLPP/MLPP priority levels have been changed since they no longer use priority levels A and B. The priority levels designated to be used for different type of calls have been re-allocated accordingly. 2) Alignment with ETSI's eMLPP specification.	
Consequence of not accepting this change	*1)* No EIRENE compliance *2)* Misalignment with ETSI Specification	
Details of change and sections affected	1) Section 5.5.2.1: Change table 1 and 2 to align with EIRENE specification. 2) Section 5.5.2.1: Add "and HLR".	
The following pages with the proposed changes marked are annexed	*Section 5.5*	
Impact on other specifications	*1) None* *2) None*	
Impact on trials	*None*	
Other comments	*None*	

5.5. Priority calls & acknowledgement

5.5.1. Scope

The scope of this chapter is to present proposals for a solution to functional requirements of priority calls and acknowledgements within EIRENE.

5.5.2. Functional Requirements for Priority Calls

5.5.2.1. Assignment of the desired priority level of a call by the calling party

For a priority call the calling subscriber has to assign the desired priority level of a call by MMI action.

In the case of GSM with enhanced multilevel precedence and pre-emption service (eMLPP as defined in GSM 03.67) and ISDN with multilevel precedence and pre-emption service (MLPP as defined in ITU/CCITT Recommendation I.255.3) the priority of the call is indicated in a special information element in the call set-up. In the case of MOC, the priority info is send in the CM_SERVICE_REQUEST and in case of MTC in the PAGE_MS messages. The mapping of railway and eMLPP priorities to MLPP priorities (and vice versa) is shown in the following tables.

Railway Priority	mobile eMLPP	MLPP (fixed network)
Railway Information and other (Control Command (information))	CALL_PRIORITY_LEVEL_4 (001)	Routine (0100), Prio 4
Railway Operation (eg calls from or for drivers and controllers)	CALL_PRIORITY_LEVEL_3 (010)	Priority (0011), Prio 3
Public Emergency	CALL_PRIORITY_LEVEL_2 (011)	Immediate (0010), Prio 2
Control Command (Safety)	CALL_PRIORITY_LEVEL_1 (100)	Flash (0001), Prio 1
Railway Emergency	CALL_PRIORITY_LEVEL_0 (101)	Flash override (0000), Prio 0

Table 1: Outgoing Mapping table for eMLPP

MLPP (fixed network)	eMLPP (GSM network)
Routine (0100)	CALL_PRIORITY_LEVEL_4 (001)
Priority (0011)	CALL_PRIORITY_LEVEL_3 (010)
Immediate (0010)	CALL_PRIORITY_LEVEL_2 (011)
flash (0001)	CALL_PRIORITY_LEVEL_1 (100)
Flash override (0000)	CALL_PRIORITY_LEVEL_0 (101)

Table 2: Incoming MLPP mapping table

The subscriber can choose the desired priority level by MMI action up to a pre-defined highest level. For a mobile subscriber this maximum level of priority is stored on the SIM card and HLR. In order to ease call handling, a default priority level can be assigned for every subscriber.

Note that an emergency call will always have the highest priority. Therefore all mobile subscribers who are entitled to establish an emergency call must be allowed to use the highest priority for the emergency call.