3GPP TSG-T (Terminals) Meeting #17
Biarritz, France, 4 - 6 September, 2002

Tdoc TP-020199

3GPP TSG-T2 #18
Velen, Germany
12 -16 August 2002

T2-020770

Title:	LS on TP-PID vs TP-DCS priority
Response to:	-
Release:	
Work Item:	
Source:	T2
To:	T
Cc:	-

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Attachments: -

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1. Overall Description:

T2 likes to inform T about investigations on a potential priority of TP-PID or TP-DCS:

From the report of the recent T plenary:

> Currently the TS 23.040 does not give any guidance about a possibly preference or priority between PID and DCS. Unfortunately the priority could not easily defined (e.g. the PID is of higher priority in respect to DCS) because there are already exceptions to the rule (e.g. a class 0 messages causes immediate display on the ME) where the PID value could be totally ignored.

> So as a result of the CR TSG-T2 is tasked to check the issue in more detail at the next coming meeting and come back with proposed changes.

The combination of PID and DCS values allows for a huge range of settings, i.e. up to 65536 variations. Fortunately there is a much smaller range we have to look at.

Example: PID = default, DCS = a given message class, e.g. class 0
This is an Immediate Display SM. There is no special PID, so by looking at the DCS it has implicitly priority over PID.

Example: PID = type 0, DCS = default
This is a Type 0 SM. There is no special DCS, so by looking at the PID it has implicitly priority over DCS.

Example: PID = type 0, DCS = class 0
This kind of SM is in some networks in use for Location Based Services. The intention is to
- make mobiles supporting type 0 as clarified during T2 #17 (Vancouver) acknowledge and discard this SM,
- make mobiles not supporting type 0 as specified display this SM immediately, i.e. usually not store it
- and thus make mobiles not fill their memory with this test SM.
However
- if DCS has precedence the UE will present this SM and
- if PID has precedence the UE will not present it.

Therefore one could draw the conclusion that for this particular combination PID priority shall be higher.

Example: PID = replace, DCS = class 3
The intention of this kind of SM is to
- make mobiles forward this SM to a PC,
- make the application (in this case on a PC) replace earlier SMs with same characteristics.
So
- if DCS has precedence the UE will forward this SM to a PC and
- if PID has precedence the UE will perform some replacement in the UE.
Therefore one could draw the conclusion that for this particular combination DCS priority shall be higher.

Conclusion:
There is no unique way to declare priority for either of the parameters TP-PID or TP-DCS.

2. Actions:

ACTION: -None.

3. Date of next T2 Meetings:

T2#19	18-22 Nov 2002	Korea
T2#20	20-24 Jan 2002	US