

Doc For	PCG	TSG SA	TSG CN	TSG RAN	TSG T
Decision			X		
Discussion			X		
Information				X	X

Source: Fujitsu, NTT DoCoMo, NEC

Subject: Separating RR and MM specific parts of the MS CM Work Item

The document contains a proposed Work Item Description for the separation of MS Classmark (CM) in RAN specific and CN specific parts. This work Item was tentatively agreed during the ad-hoc meeting in Heathrow (18-19 February 99) pending the formal agreement of TSG-N.

X.1 WI description

x **Separating RR and MM specific parts of the MS CM**

x.1 **TSG Project**

X	Terminal
X	Radio
X	Core Network
	System

x.2 **Linked Work Items**

The possibility of other Work Items impacting the MS Classmark such as MExE terminal capability needs to be studied. The status of Work Item Idle Mode Classmark needs to be studied as well.

x.3 **Justification**

From UMTS point of view the need has been recognised to separate the RAN part of the CM from the CN in order to support the multiple RANs.

For the notification of UMTS mobile station capability to the network, Mobile station classmark IE is used in MM protocol. In GSM, both radio and core network related information are captured in an IE without clear distinction. And the IE is separated into Mobile Station classmark 2 and Mobile Station classmark 3.

Unlike to GSM, UMTS is after the clear separation of Radio Access Network and Core Network.

The following is the identified work areas:

- Separation of Mobile Station Classmark parameter into one for CN and one for RAN
- Notification procedure to the network

x.4 **Service Aspects**

The interworking of UMTS and GSM will need to be supported both in idle mode and for handovers according to the Stage 1 service requirements.

The necessity of the backward compatibility of the CM with GSM should be investigated under this work item.

The specification should provide backward compatibility to GSM. Both the case of a multi mode UMTS mobile being served by non-upgraded GSM network and an old GSM mobile being served by GSM BSS connected to UMTS Core Network.

x.5 **MMI Aspects**

Not relevant

x.6 **Charging Aspects**

Not relevant

x.7 **Security Aspects**

Not relevant

x.8 Impacts

Affects:	Terminal	Radio	CN	Others
Yes	x	x	x	
No				
Don't know				x

x.9 Expected Output and Time scales

x.10 Work Item rapporteurs

Mr Yokota - Fujitsu

x.11 Supporting Companies

NTT DoCoMo, Fujitsu, NTC, NEC, Telecom-Modus

x.12 Responsible STC(s)

x.13 Others