

Agenda Item :
Source : **NTT DoCoMo**
Title : **RRC Message Parameters**
(For UE Capability Information)
Document for : **Decision**

1. Abstract

This contribution shows the parameters for RRC protocol. This contribution is focused on UE Capability Information.

2. Categorization of RRC parameters

RRC parameters are classified into 4 categories; RAB parameters, Transport CH parameters, Physical CH parameters and UE parameters. Each parameters are used as follows.

Parameter Category	Usage
RAB parameters	-Not used.
Transport CH parameters	-Not used.
Physical CH parameters	-Not used.
UE parameters	-Used to inform UE capability to SRNC.

Table 1 Usage of parameters

UE Capability Information can be the combination of 1 types of parameters; UE parameters.

	RAB parameters	Transport CH parameters	Physical CH parameters	UE parameters
UE Capability Information				M

Table 2 Combination of types of parameters

3. UE Parameters

UE parameters are listed in Table 3.

	Parameter Name	UE Capability Information
Power Control Info.	Transmission power capability	M
Radio Resource Info.	DL multi-code capability	M
	UL multi-code capability	
	DL Spreading factor capability	
	UL Spreading factor capability	
Mode Info.	System capability (UMTS/GSM/others) UMTS capability (TDD/FDD) Chip rate capability Radio Frequency capability Variable duplex distance capability	M
Transport CH Support Info.	Maximum number of DCHs	M
	Support for optional Transport CH (FAUSCH)	O
Ciphering Info.	Ciphering Algorithm capability	M
Radio Diversity Info.	Maximum number of RLS	M

Table 3 UE Parameters

4. References

[1] RAN TSG WG2 S2.31 V0.0.1, Description of the RRC protocol;