

3G CHANGE REQUEST

Please see embedded help file at the bottom of this page for instructions on how to fill in this form correctly.

TS 25.321 CR 010

Current Version: **3.0.0**

3G specification number ↑

↑ CR number as allocated by 3G support team

For submission to TSG **RAN#5** for approval (only one box should
list TSG meeting no. here ↑ for information be marked with an X)

Form: 3G CR cover sheet, version 1.0 The latest version of this form is available from: ftp://ftp.3gpp.org/Information/3GCRF-xx.rtf

Proposed change affects:
(at least one should be marked with an X)

USIM

ME

UTRAN

Core Network

Source: TSG-RAN WG2

Date: 18/08/99

Subject: Modifications on UE-Id formats

3G Work item:

Category:
(only one category shall be marked with an X)

F Correction	<input type="checkbox"/>
A Corresponds to a correction in a 2G specification	<input type="checkbox"/>
B Addition of feature	<input type="checkbox"/>
C Functional modification of feature	<input checked="" type="checkbox"/>
D Editorial modification	<input type="checkbox"/>

Reason for change: UE-Id type sub-field is needed to differentiate between different UE-Id formats in the MAC header. Furthermore, it was decided that UE-Id field can be removed from MAC header for CCCH.

Clauses affected: 9.2.1

Other specs affected:

Other 3G core specifications	<input type="checkbox"/>	→ List of CRs:	
Other 2G core specifications	<input type="checkbox"/>	→ List of CRs:	
MS test specifications	<input type="checkbox"/>	→ List of CRs:	
BSS test specifications	<input type="checkbox"/>	→ List of CRs:	
O&M specifications	<input type="checkbox"/>	→ List of CRs:	

Other comments:



<----- double-click here for help and instructions on how to create a CR.

9.2.1 MAC Data PDU: Parameters of the MAC header

- UE-Id

The UE-Id field provides an identifier of the UE . The following types of UE-Id are currently defined:

s-RNTI , this UE Id is related to the serving RNC

c-RNTI, this UE Id is related to the controlling RNC.

In addition for UE's having a RRC connection the S-RNC identifier exist.

s-RNTI together with S-RNC identifier is used for [Cell and URA](#) update RRC connection reestablishment and UTRAN originated paging messages and their associated responses [in CCCH or DCCH](#).

c-RNTI is used as a UE identifier in all other DCCH/DTCH common channel messages on the air interface.

UE-Id Type sub-field inside the UE-Id field is needed to ensure the correct decoding of the UE-Id field in MAC Headers.

The UE-Id Type sub-field definition:

<u>UE-Id Type sub-field</u> 2 bits	<u>UE-Id Type</u>
<u>00</u>	<u>s-RNTI + SRNCID</u>
<u>01</u>	<u>c-RNTI</u>
<u>10</u>	<u>For future use</u>
<u>11</u>	<u>For future use</u>

Note: Whether or not other UE-Id types are needed is ffs.

9.2.1.2 MAC header for CCCH

~~Note: The concept for using UE-Id on CCCH has to be reviewed~~

- CCCH mapped to RACH/FACH:
C/D has to be included ~~and UE id field may be included~~ in MAC header. ~~Details of usage the UE id field is ffs.~~
- CCCH mapped to RACH/FACH, where CCCH is the only channel (ffs):
~~UE id field may be included in the MAC header.~~

Note: The usage of the MAC header for BCCH and PCCH is ffs.

The address used for initial addressing is ffs, a possible solution may be to use a Random or CN related Identifier.

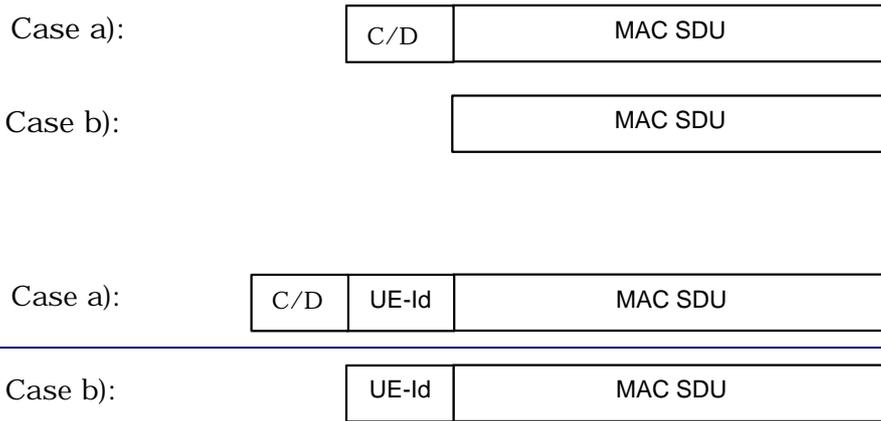


Figure 9.2.1.2.1 : MAC Data PDU formats for CCCH