Title   **Revised CRs for DS-CDMA introduction in the 800 MHz band; Frequency bands for UMTS1.7/2.1, UMTS850 and DS-CDMA 800**
Source   **ARIB**
Agenda Item   **8.1.4**

Spec	CR	R	Cat	Rel	Curr Ver	Title	Work Item
25.101	271	1	B	Rel-6	6.1.0	Frequency bands for UMTS1.7/2.1, UMTS800 and UMTS850	RInImp-UMTS850, RInImp-UMTS800, RInImp-UMTS1721
25.104	200	1	B	Rel-6	6.2.0	Frequency bands for UMTS1.7/2.1, UMTS800 and UMTS850	RInImp-UMTS850, RInImp-UMTS800, RInImp-UMTS1721
25.141	319	1	B	Rel-6	6.2.0	Frequency bands for UMTS1.7/2.1, UMTS800 and UMTS850	RInImp-UMTS850, RInImp-UMTS800, RInImp-UMTS1721

3GPP TSG-RAN Meeting #21   *Tdoc ⚇RP-030515*
Frankfurt am Main, Germany, 16th – 19th Sep 2003

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CHANGE REQUEST

| ⚇ | **25.101** CR **271** | ⚇ **rev** **1** | ⚇ | Current version: **6.1.0** | ⚇ |

*For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⚇ symbols.*

Proposed change affects: UICC apps ⚇ ☐   ME **X** Radio Access Network ☐   Core Network ☐

Title: ⚇	Frequency bands for UMTS1.7/2.1, UMTS850 and DS-CDMA 800
Source: ⚇	ARIB

Work item code: ⚇	Rlnlmp-UMTS1721, Rlnlmp-UMTS850, Rlnlmp-UMTS800	**Date:** ⚇	06/09/2003

Category: ⚇	**B**	**Release:** ⚇	Rel-6

Use <u>one</u> of the following categories:
   F (correction)
   A (corresponds to a correction in an earlier release)
   B (addition of feature),
   C (functional modification of feature)
   D (editorial modification)
Detailed explanations of the above categories can be found in 3GPP TR 21.900.

Use <u>one</u> of the following releases:
   2   (GSM Phase 2)
   R96 (Release 1996)
   R97 (Release 1997)
   R98 (Release 1998)
   R99 (Release 1999)
   Rel-4 (Release 4)
   Rel-5 (Release 5)
   Rel-6 (Release 6)

Reason for change: ⚇	Introducing new 3 additional bands.
Summary of change: ⚇	Intorducing frequency bands for UMTS1.7/2.1, UMTS850 and UMTS800 (DS-CDMA 800).
Consequences if not approved: ⚇	Frequency numbers for new additional bands are not specified.

Clauses affected: ⚇	5.2

	Y	**N**		
Other specs ⚇	X		Other core specifications ⚇	25.307.
Affected:	X		Test specifications	34.121
		X	O&M Specifications	

Other comments: ⚇	

5.2 Frequency bands

a) UTRA/FDD is designed to operate in either of the following paired bands:

Table 5.0: UTRA FDD frequency bands

Operating Band	UL Frequencies UE transmit, Node B receive	DL frequencies UE receive, Node B transmit
I	1920 – 1980 MHz	2110 –2170 MHz
II	1850 –1910 MHz	1930 –1990 MHz
III	1710-1785 MHz	1805-1880 MHz
IV	1710-1770MHz	2110-2170MHz
V	824 – 849MHz	869-894MHz
VI	830-840 MHz	875-885 MHz

Note: Band VI specifications are developed for use in Japan. The Band VI frequency ranges in the table are subject to coming regulatory decisions.

b) Deployment in other frequency bands is not precluded

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CHANGE REQUEST

✍ **25.104** CR **200** ✍ **rev 1** ✍ Current version **6.2.0** ✍

For HELP on using this form, see bottom of this page or look at the pop-up text over the ✍ symbols.

Proposed change affects: UICC apps ✍ ☐ ME ☐ Radio Access Network **X** Core Network ☐

Title: ✍	Frequency bands for UMTS1.7/2.1, UMTS850 and DS-CDMA 800

Source: ✍	ARIB

Work item code: ✍	Rlnlmp-UMTS1721, Rlnlmp-UMTS850, Rlnlmp-UMTS800	***Date:*** ✍	06/09/2003

Category: ✍	**B**	***Release:*** ✍	Rel-6

Use one of the following categories:
F *(correction)*
A *(corresponds to a correction in an earlier release)*
B *(addition of feature),*
C *(functional modification of feature)*
D *(editorial modification)*
Detailed explanations of the above categories can be found in 3GPP TR 21.900.

Use one of the following releases:
2 *(GSM Phase 2)*
R96 *(Release 1996)*
R97 *(Release 1997)*
R98 *(Release 1998)*
R99 *(Release 1999)*
Rel-4 *(Release 4)*
Rel-5 *(Release 5)*
Rel-6 *(Release 6)*

Reason for change: ✍	Introducing new 3 additional bands.

Summary of change: ✍	Intorducing frequency bands for UMTS1.7/2.1, UMTS850 and UMTS800 (DS-CDMA 800).

Consequences if not approved: ✍	Frequency numbers for new additional bands are not specified.

Clauses affected: ✍	4.3, 5.2

	Y	N			
Other specs ✍	X		Other core specifications	✍	25.307.
Affected:	X		Test specifications		25.141
		X	O&M Specifications		

Other comments: ✍	

4.3 Regional requirements

Some requirements in TS 25.104 may only apply in certain regions. Table 4.1 lists all requirements that may be applied differently in different regions.

Table 4.1: List of regional requirements

Clause number	Requirement	Comments
5.2	Frequency bands	Some bands may be applied regionally.
5.2 6.6.3.2 7.7	Frequency bands Protection of the BS receiver of own or different BS Spurious emissions	Band VI specifications are developed for use in Japan. The Band VI frequency ranges specified in clause 5.2 are subject to coming regulatory decisions.
5.3	Tx-Rx Frequency Separation	The requirement is applied according to what frequency bands in Clause 5.2 that are supported by the BS.
5.4	Channel arrangement	The requirement is applied according to what frequency bands in Clause 5.2 that are supported by the BS.

5.2 Frequency bands

a) UTRA/FDD is designed to operate in any of the following paired bands:

Table 5.0: Frequency bands

Operating Band	UL Frequencies UE transmit, Node B receive	DL frequencies UE receive, Node B transmit
I	1920 – 1980 MHz	2110 –2170 MHz
II	1850 –1910 MHz	1930 –1990 MHz
III	1710-1785 MHz	1805-1880 MHz
IV	1710-1770MHz	2110-2170MHz
V	824 – 849MHz	869-894MHz
VI	830-840 MHz	875-885 MHz

b) Deployment in other frequency bands is not precluded

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CHANGE REQUEST

✍ **25.141** CR **319** ✍ **rev** **1** ✍ Current version **6.2.0** ✍

*For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ✍ symbols.*

Proposed change affects: UICC apps ✍ ☐ ME ☐ Radio Access Network **X** Core Network ☐

Title: ✍	Frequency bands for UMTS1.7/2.1, UMTS850 and DS-CDMA 800
Source: ✍	ARIB
Work item code: ✍	RInImp-UMTS1721, RInImp-UMTS850, RInImp-UMTS800 **Date:** ✍ 06/09/2003

Category: ✍ **B**	**Release:** ✍ Rel-6
Use one of the following categories: **F** (correction) **A** (corresponds to a correction in an earlier release) **B** (addition of feature), **C** (functional modification of feature) **D** (editorial modification) Detailed explanations of the above categories can be found in 3GPP TR 21.900.	*Use one of the following releases:* 2 (GSM Phase 2) R96 (Release 1996) R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) Rel-4 (Release 4) Rel-5 (Release 5) Rel-6 (Release 6)

Reason for change: ✍	Introducing new 3 additional bands.
Summary of change: ✍	Intorducing frequency bands for UMTS1.7/2.1, UMTS850 and UMTS800 (DS-CDMA 800).
Consequences if not approved: ✍	Frequency numbers for new additional bands are not specified.

Clauses affected: ✍	3.4.1, 4.7

Other specs ✍ **Affected:**		Y	N		
		X		Other core specifications	✍ 35.104, 25.307.
			X	Test specifications	
			X	O&M Specifications	

Other comments: ✍	

3.4 Radio Frequency bands

3.4.1 Frequency bands

a) UTRA/FDD is designed to operate in any of the following paired bands:

Table 3.0: Frequency bands

Operating Band	UL Frequencies UE transmit, Node B receive	DL frequencies UE receive, Node B transmit
I	1920 – 1980 MHz	2110 –2170 MHz
II	1850 –1910 MHz	1930 –1990 MHz
III	1710-1785 MHz	1805-1880 MHz
IV	1710-1770MHz	2110-2170MHz
V	824 – 849MHz	869-894MHz
VI	830-840 MHz	875-885 MHz

b) Deployment in other frequency bands is not precluded

4.7 Regional requirements

Some requirements in TS 25.141 may only apply in certain regions. Table 4.4 lists all requirements that may be applied differently in different regions.

Table 4.4: List of regional requirements

Subclause number	Requirement	Comments
3.4.1	Frequency bands	Some bands may be applied regionally.
3.4.1 6.5.3.4.3 6.5.3.7.3 7.7	Frequency bands Protection of the BS receiver of own or different BS Protection of the BS receiver of own or different BS Spurious Emissions	Band VI specifications are developed for use in Japan. The Band VI frequency ranges specified in clause 3.4.1 are subject to coming regulatory decisions.
3.4.2	Tx-Rx Frequency Separation	The requirement is applied according to what frequency bands in clause 3.4.1 that are supported by the BS.
3.5	Channel arrangement	The requirement is applied according to what frequency bands in clause 3.4.1 that are supported by the BS.