TSG RAN Meeting #18 **RP-020757**
New Orleans, Louisiana, USA, 3 - 6 December, 2002

Title **CRs (Rel-4 and Rel-5 Category A) to TS 25.423 and 25.433 on Correction to RX Timing Deviation LCR value range**
Source **TSG RAN WG3**
Agenda Item **7.3.4**

RAN3 Tdoc	Spec	curr. Vers.	new Vers.	REL	CR	Rev	Cat	Title	Work item
R3-022308	25.423	4.6.0	4.7.0	REL-4	725	-	F	Correction to RX Timing Deviation LCR value range	LCRTDD-lublur
R3-022309	25.423	5.3.0	5.4.0	REL-5	726	-	A	Correction to RX Timing Deviation LCR value range	LCRTDD-lublur
R3-022306	25.433	4.6.0	4.7.0	REL-4	750	-	F	Correction to RX Timing Deviation LCR value range	LCRTDD-lublur
R3-022307	25.433	5.2.0	5.3.0	REL-5	751	-	A	Correction to RX Timing Deviation LCR value range	LCRTDD-lublur

3GPP TSG- RAN WG3 Meeting #33 **Tdoc ⌘R3-022308**
Sophia-Antipolis, France, November 11th—15th, 2002

CR-Form-v7

CHANGE REQUEST

⌘ **25.423** **CR** **725** ⌘ **rev** **-** ⌘ Current version: **4.6.0** ⌘

*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 ☒ Core Network ☐

Title:	⌘	Correction to RX Timing Deviation LCR value range
Source:	⌘	RAN WG3
Work item code:	⌘	LCRTDD-Iublur
Date:	⌘	6/11/2002
Category:	⌘	**F**
Release:	⌘	Rel-4

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:	⌘	According to the CR R4-021182 and R4-021183 approved in RAN4#24 meeting, the measurement value of RX Timing Deviation can be negative or positive and this point is specified in TS 25.225. So the reporting range of [0, 16] chips for *RX Timing Deviation* is not reasonable. However, the accuracy of Rx Timing Deviation measurement is still kept in 1/16chip. Accordingly the value range for Rx Timing Deviation for 1.28Mcps TDD in 25.423 should be changed.
Summary of change:	⌘	In section 9.2.1.19, the value range of Rx Timing Deviation is changed to (0..511) . The corresponding changes in ASN.1 are also made. Impact Analysis: Impact assessment towards the previous version of the specification (same release): The impact can be considered isolated because the change affects only the value range of Rx Timing Deviation for 1.28Mcps TDD.
Consequences if not approved:	⌘	If this document is not approved, the value range of Rx Timing Deviation for 1.28Mcps TDD can not be used consistent with other RAN specifications like TS 25.123.

Clauses affected:	⌘	9.2.1.19, 9.3.4			
Other specs	⌘	Y: X / N:	Other core specifications	⌘	CR750 TS 25.433 Rel-4 CR751 TS 25.433 Rel-5

affected:			CR726 TS 25.423 Rel-5 CR271 TS 25.123 Rel-4 CR272 TS 25.123 Rel-5 TS 34.122
	X	Test specifications	
	X	O&M Specifications	
Other comments:	⌘	The corresponding CRs of RAN4 is approved in RAN#17 meeting and the Tdoc number is RP-020480. However, these CRs does not indicate the impact for TS 25.423. The corresponding documents for TS 34.122 is still unknown.	

How to create CRs using this form:
Comprehensive information and tips about how to create CRs can be found at http://www.3gpp.org/specs/CR.htm.
Below is a brief summary:

1) Fill out the above form. The symbols above marked ⌘ contain pop-up help information about the field that they are closest to.
2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be downloaded from the 3GPP server under ftp://ftp.3gpp.org/specs/ For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.
3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

9.2.1.19 Dedicated Measurement Value

The Dedicated Measurement Value shall be the most recent value for this measurement, for which the reporting criteria were met.

IE/Group Name	Presence	Range	IE Type and Reference	Semantics Description	Criticality	Assigned Criticality
CHOICE *Dedicated Measurement Value*					–	
>SIR Value					–	
>>SIR Value	M		INTEGER(0..63)	According to mapping in ref. [23] and [24]	–	
>SIR Error Value				FDD Only	–	
>>SIR Error Value	M		INTEGER(0..125)	According to mapping in [23]	–	
>Transmitted Code Power Value					–	
>>Transmitted Code Power Value	M		INTEGER(0..127)	According to mapping in ref. [23] and [24] Values 0 to 9 and 123 to 127 shall not be used.	–	
>RSCP				TDD Only	–	
>>RSCP	M		INTEGER(0..127)	According to mapping in ref. [24]	–	
>Rx Timing Deviation Value				3.84Mcps TDD Only	–	
>>Rx Timing Deviation	M		INTEGER(0..8191)	According to mapping in [24]	–	
>Round Trip Time				FDD Only	–	
>>Round Trip Time	M		INTEGER(0..32767)	According to mapping in [23]	–	
>Additional Dedicated Measurement Values					–	
>> Rx Timing Deviation Value LCR				1.28Mcps TDD Only	–	
>>>Rx Timing Deviation LCR	M		INTEGER(0..~~255~~511)	According to mapping in [24]	YES	reject

9.3.4 Information Element Definitions

/*partly omitted*/

```
-- R
Rx-Timing-Deviation-Value ::= INTEGER (0..8191)
--According to mapping in [24][3.84Mcps TDD only]

Rx-Timing-Deviation-Value-LCR ::= INTEGER (0..~~255~~511)
--According to mapping in [24][1.28Mcps TDD only]
```

3GPP TSG- RAN WG3 Meeting #33 **Tdoc ⌘R3-022309**
Sophia-Antipolis, France, November 11th—15th, 2002

CR-Form-v7

CHANGE REQUEST

⌘ **25.423** **CR** **726** ⌘ **rev** **-** ⌘ Current version: **5.3.0** ⌘

*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 ☒ Core Network ☐

Title:	⌘	Correction to RX Timing Deviation LCR value range
Source:	⌘	RAN WG3
Work item code:	⌘	LCRTDD-Iublur
Date:	⌘	6/11/2002
Category:	⌘	**A**
Release:	⌘	Rel-5

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:	⌘	According to the CR R4-021182 and R4-021183 approved in RAN4#24 meeting, the measurement value of RX Timing Deviation can be negative or positive and this point is specified in TS 25.225. So the reporting range of [0, 16] chips for *RX Timing Deviation* is not reasonable. However, the accuracy of Rx Timing Deviation measurement is still kept in 1/16chip. Accordingly the value range for Rx Timing Deviation for 1.28Mcps TDD in 25.423 should be changed.
Summary of change:	⌘	In section 9.2.1.19, the value range of Rx Timing Deviation is changed to (0..511) . The corresponding changes in ASN.1 are also made. Impact Analysis: Impact assessment towards the previous version of the specification (same release): The impact can be considered isolated because the change affects only the value range of Rx Timing Deviation for 1.28Mcps TDD.
Consequences if not approved:	⌘	If this document is not approved, the value range of Rx Timing Deviation for 1.28Mcps TDD can not be used consistent with other RAN specifications like TS 25.123.

Clauses affected:	⌘	9.2.1.19, 9.3.4			
Other specs	⌘	Y: X / N:	Other core specifications	⌘	CR750 TS 25.433 Rel-4 CR751 TS 25.433 Rel-5

affected:			CR725 TS 25.423 Rel-4 CR271 TS 25.123 Rel-4 CR272 TS 25.123 Rel-5 TS 34.122
	X	Test specifications	
	X	O&M Specifications	
Other comments:	⌘	The corresponding CRs of RAN4 is approved in RAN#17 meeting and the Tdoc number is RP-020480. However, these CRs does not indicate the impact for TS 25.423. The corresponding documents for TS 34.122 is still unknown.	

How to create CRs using this form:
Comprehensive information and tips about how to create CRs can be found at http://www.3gpp.org/specs/CR.htm.
Below is a brief summary:

1) Fill out the above form. The symbols above marked ⌘ contain pop-up help information about the field that they are closest to.
2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be downloaded from the 3GPP server under ftp://ftp.3gpp.org/specs/ For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.
3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

9.2.1.19 Dedicated Measurement Value

The Dedicated Measurement Value shall be the most recent value for this measurement, for which the reporting criteria were met.

IE/Group Name	Presence	Range	IE Type and Reference	Semantics Description	Criticality	Assigned Criticality
CHOICE *Dedicated Measurement Value*					-	
>SIR Value					-	
>>SIR Value	M		INTEGER(0..63)	According to mapping in ref. [23] and [24]	-	
>SIR Error Value				FDD Only	-	
>>SIR Error Value	M		INTEGER(0..125)	According to mapping in [23]	-	
>Transmitted Code Power Value					-	
>>Transmitted Code Power Value	M		INTEGER(0..127)	According to mapping in ref. [23] and [24] Values 0 to 9 and 123 to 127 shall not be used.	-	
>RSCP				TDD Only	-	
>>RSCP	M		INTEGER(0..127)	According to mapping in ref. [24]	-	
>Rx Timing Deviation Value				3.84Mcps TDD Only	-	
>>Rx Timing Deviation	M		INTEGER(0..8191)	According to mapping in [24]	-	
>Round Trip Time				FDD Only	-	
>>Round Trip Time	M		INTEGER(0..32767)	According to mapping in [23]	-	
>Additional Dedicated Measurement Values					-	
>>Rx Timing Deviation Value LCR				1.28Mcps TDD Only	YES	reject
>>>Rx Timing Deviation LCR	M		INTEGER(0..~~255~~511)	According to mapping in [24]	-	
>> Angle of Arrival Value LCR				1.28Mcps TDD only	YES	reject
>>> AOA LCR	M		INTEGER(0..719)	According to mapping in [24]	-	
>>> AOA LCR Accuracy Class	M		ENUMERATED(A, B, C, D, E, F, G, H,...)	According to mapping in [24]	-	

9.3.4 Information Element Definitions

```
-- R
```
/*partly omitted*/

```
Rx-Timing-Deviation-Value ::= INTEGER (0..8191)
--According to mapping in [24][3.84Mcps TDD only]

Rx-Timing-Deviation-Value-LCR ::= INTEGER (0..~~255~~511)
--According to mapping in [24][1.28Mcps TDD only]
```

3GPP TSG- RAN WG3 Meeting #33 ***Tdoc ⌘R3-022306***
Sophia-Antipolis, France, November 11th—15th, 2002

CR-Form-v7

CHANGE REQUEST

⌘ **25.433** **CR** **750** ⌘ **rev** **-** ⌘ Current version: **4.6.0** ⌘

*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 ☒ Core Network ☐

Title:	⌘	Correction to RX Timing Deviation LCR value range
Source:	⌘	RAN WG3
Work item code:	⌘	LCRTDD-Iublur
Date:	⌘	6/11/2002
Category:	⌘	**F**
Release:	⌘	Rel-4

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:	⌘	According to the CR R4-021182 and R4-021183 approved in RAN4#24 meeting, the measurement value of RX Timing Deviation can be negative or positive and this point is specified in TS 25.225. So the reporting range of [0, 16] chips for *RX Timing Deviation* is not reasonable. However, the accuracy of Rx Timing Deviation measurement is still kept in 1/16chip. Accordingly the value range for Rx Timing Deviation for 1.28Mcps TDD in 25.433 should be changed.
Summary of change:	⌘	In section 9.2.1.24, the value range of Rx Timing Deviation is changed to (0..511) . The corresponding changes in ASN.1 are also made. Impact Analysis: Impact assessment towards the previous version of the specification (same release): The impact can be considered isolated because the change affects only the value range of Rx Timing Deviation for 1.28Mcps TDD.
Consequences if not approved:	⌘	If this document is not approved, the value range of Rx Timing Deviation for 1.28Mcps TDD can not be used consistent with other RAN specifications like TS 25.123.

Clauses affected:	⌘	9.2.1.24, 9.3.6				
Other specs	⌘	**Y** X	**N**	Other core specifications	⌘	CR751 TS 25.433 Rel-5 CR725 TS 25.423 Rel-4

affected:			CR726 TS 25.423 Rel-5 CR271 TS 25.123 Rel-4 CR272 TS 25.123 Rel-5 TS 34.122
	X	Test specifications	
	X	O&M Specifications	
Other comments:	⌘	The corresponding CRs of RAN4 is approved in RAN#17 meeting and the Tdoc number is RP-020480. However, these CRs does not indicate the impact for TS 25.423. The corresponding documents for TS 34.122 is still unknown.	

How to create CRs using this form:
Comprehensive information and tips about how to create CRs can be found at http://www.3gpp.org/specs/CR.htm.
Below is a brief summary:

1) Fill out the above form. The symbols above marked ⌘ contain pop-up help information about the field that they are closest to.

2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be downloaded from the 3GPP server under ftp://ftp.3gpp.org/specs/ For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.

3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

9.2.1.24 Dedicated Measurement Value

The Dedicated Measurement Value shall be the most recent value for this measurement, for which the reporting criteria were met.

IE/Group Name	Presence	Range	IE Type and Reference	Semantics Description	Criticality	Assigned Criticality
CHOICE *Dedicated Measurement Value*					–	
>SIR Value					–	
>>SIR Value	M		INTEGER (0..63)	According to mapping in [22] and [23]	–	
>SIR Error Value				FDD only	–	
>>SIR Error Value	M		INTEGER (0..125)	According to mapping in [22]	–	
>Transmitted Code Power Value					–	
>>Transmitted Code Power Value	M		INTEGER (0..127)	According to mapping in [22] and [23]. Values 0 to 9 and 123 to 127 shall not be used.	–	
>RSCP				TDD only	–	
>>RSCP	M		INTEGER (0..127)	According to mapping in [23]	–	
>Rx Timing Deviation Value				Applicable to 3.84Mcps TDD only	–	
>>Rx Timing Deviation	M		INTEGER (0..8191)	According to mapping in [23]	–	
>Round Trip Time				FDD only	–	
>>Round Trip Time	M		INTEGER (0..32767)	According to mapping in [22]	–	
>Additional Dedicated Measurement Values					–	
>>Rx Timing Deviation Value LCR				Applicable to 1.28Mcps TDD only	–	
>>>Rx Timing Deviation LCR	M		INTEGER (0..~~255~~511)	According to mapping in [23]	YES	reject

9.3.4 Information Elements Definitions

```
-- ========================================
--  R
-- ========================================
```

/*partly omitted*/

```
Rx-Timing-Deviation-Value ::= INTEGER (0..8191)
-- According to mapping in [23]

Rx-Timing-Deviation-Value-LCR ::= INTEGER (0..~~255~~511)
-- According to mapping in [23]
```

3GPP TSG- RAN WG3 Meeting #33 **Tdoc ⌘R3-022307**
Sophia-Antipolis, France, November 11th—15th, 2002

CR-Form-v7

CHANGE REQUEST

⌘ **25.433** **CR** **751** ⌘ **rev** **-** ⌘ Current version: **5.2.0** ⌘

*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 ☒ Core Network ☐

Title:	⌘	Correction to RX Timing Deviation LCR value range
Source:	⌘	RAN WG3
Work item code:	⌘	LCRTDD-Iublur
Date:	⌘	6/11/2002
Category:	⌘	**A**
Release:	⌘	Rel-5

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:	⌘	According to the CR R4-021182 and R4-021183 approved in RAN4#24 meeting, the measurement value of RX Timing Deviation can be negative or positive and this point is specified in TS 25.225. So the reporting range of [0, 16] chips for *RX Timing Deviation* is not reasonable. However, the accuracy of Rx Timing Deviation measurement is still kept in 1/16chip. Accordingly the value range for Rx Timing Deviation for 1.28Mcps TDD in 25.433 should be changed.
Summary of change:	⌘	In section 9.2.1.24, the value range of Rx Timing Deviation is changed to (0..511) . The corresponding changes in ASN.1 are also made. Impact Analysis: Impact assessment towards the previous version of the specification (same release): The impact can be considered isolated because the change affects only the value range of Rx Timing Deviation for 1.28Mcps TDD.
Consequences if not approved:	⌘	If this document is not approved, the value range of Rx Timing Deviation for 1.28Mcps TDD can not be used consistent with other RAN specifications like TS 25.123.

Clauses affected:	⌘	9.2.1.24, 9.3.6			
Other specs	⌘	Y: X / N:	Other core specifications	⌘	CR750 TS 25.433 Rel-4 CR725 TS 25.423 Rel-4

affected:			CR726 TS 25.423 Rel-5 CR271 TS 25.123 Rel-4 CR272 TS 25.123 Rel-5 TS 34.122
	X	Test specifications	
	X	O&M Specifications	
Other comments:	⌘	The corresponding CRs of RAN4 is approved in RAN#17 meeting and the Tdoc number is RP-020480. However, these CRs does not indicate the impact for TS 25.423. The corresponding documents for TS 34.122 is still unknown.	

How to create CRs using this form:
Comprehensive information and tips about how to create CRs can be found at http://www.3gpp.org/specs/CR.htm.
Below is a brief summary:

1) Fill out the above form. The symbols above marked ⌘ contain pop-up help information about the field that they are closest to.
2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be downloaded from the 3GPP server under ftp://ftp.3gpp.org/specs/ For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.
3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

9.2.1.24 Dedicated Measurement Value

The Dedicated Measurement Value shall be the most recent value for this measurement, for which the reporting criteria were met.

IE/Group Name	Presence	Range	IE Type and Reference	Semantics Description	Criticality	Assigned Criticality
CHOICE *Dedicated Measurement Value*					–	
>SIR Value					–	
>>SIR Value	M		INTEGER (0..63)	According to mapping in [22] and [23]	–	
>SIR Error Value				FDD only	–	
>>SIR Error Value	M		INTEGER (0..125)	According to mapping in [22]	–	
>Transmitted Code Power Value					–	
>>Transmitted Code Power Value	M		INTEGER (0..127)	According to mapping in [22] and [23]. Values 0 to 9 and 123 to 127 shall not be used.	–	
>RSCP				TDD only	–	
>>RSCP	M		INTEGER (0..127)	According to mapping in [23]	–	
>Rx Timing Deviation Value				Applicable to 3.84Mcps TDD only	–	
>>Rx Timing Deviation	M		INTEGER (0..8191)	According to mapping in [23]	–	
>Round Trip Time				FDD only	–	
>>Round Trip Time	M		INTEGER (0..32767)	According to mapping in [22]	–	
>Additional Dedicated Measurement Values					–	
>>Rx Timing Deviation Value LCR				Applicable to 1.28Mcps TDD only	–	
>>>Rx Timing Deviation LCR	M		INTEGER (0..~~255~~511)	According to mapping in [23]	YES	reject
>>Angle Of Arrival Value LCR				Applicable to 1.28Mcps TDD only	–	
>>>AOA Value LCR		*1*			YES	reject
>>>>AOA LCR	M		INTEGER (0..719)	According to mapping in [23]	–	
>>>AOA LCR Accuracy Class	M		ENUMERATED (A, B, C, D, E, F, G, H,...)	According to mapping in [23]	–	

9.3.4 Information Elements Definitions

```
-- ========================================
--  R
-- ========================================
```

/*partly omitted*/

```
Rx-Timing-Deviation-Value ::= INTEGER (0..8191)
-- According to mapping in [23]

Rx-Timing-Deviation-Value-LCR ::= INTEGER (0..~~255~~511)
-- According to mapping in [23]
```