TSG-RAN Meeting #26 Athen, Greece, 08-10 December 2004 RP-040477 Agenda item 7.3.4

Source: TSG-RAN WG2.

### Title: CRs to 25.331 Rel-4 (onwards)

The following CRs are in RP-040477:

Spec	CR	Rev	Phase	Subject	Cat	Version-Current	Version-New	Doc-2nd-Level	Workitem
25.331	2449	-	Rel-4	ASN.1 clarification on Measurement Report for 1.28 Mcps TDD	F	4.15.0	4.16.0	R2-042592	LCRTDD-L23
25.331	2450	-	Rel-5	ASN.1 clarification on Measurement Report for 1.28 Mcps TDD	A	5.10.0	5.11.0	R2-042593	LCRTDD-L23
25.331	2451	-	Rel-6	ASN.1 clarification on Measurement Report for 1.28 Mcps TDD	А	6.3.0	6.4.0	R2-042594	LCRTDD-L23
25.331	2466	1	Rel-4	Missing OTDOA TDD related v4b0 extension in MEASUREMENT CONTROL	F	4.15.0	4.16.0	R2-042693	TEI4
25.331	2467	1	Rel-5	Missing OTDOA TDD related v4b0 extension in MEASUREMENT CONTROL	F	5.10.0	5.11.0	R2-042694	TEI5
25.331	2468	1	Rel-6	Missing OTDOA TDD related v4b0 extension in MEASUREMENT CONTROL	F	6.3.0	6.4.0	R2-042695	TEI6

## 3GPP TSG-RAN2#45 Shin-Yokohama, Japan, 15-19 Nov 2004

# *Tdoc* **≋***R*2-042592

				(	CHANG	SE R	EQ	UE	ST	-					С	R-Form-v7.1
ж		<mark>25.3</mark>	31	CR	2449	ж <b>г</b>	ev	-	ж	Cu	rrent	vers	ion:	<mark>4.1</mark>	<mark>5.0</mark>	ж
For <mark>HELP</mark> on	n us	sing thi	s foi	m, see	e bottom of	this pag	ge or	look	at th	e po	p-up	text	over	the 🖁	€ syn	nbols.
Proposed change	e a	affects:	: I	JICC a	ıpps₩	N	1E <mark>X</mark>	Rac	lio A	cce	ss Ne	twor	k X	] Coi	re Ne	twork
Title:	Ж	ASN.	1 cla	arificati	<mark>on on Mea</mark>	<mark>isureme</mark>	ent Re	eport	for 1	1.28	Mcps	5 TDI	D			
Source:	ж	RAN	WG	2												
Work item code:	Ж	LCRT		-L23							Date	e: X	10	Nov.	2004	ŀ
Category:		F A B C D Detaile	(cor) (cor (add (fun (edi d exj	rection) respond dition of ctional torial m planatio	owing catego ds to a corre feature), modification odification) ns of the abo <u>IR 21.900</u> .	ction in a of featui	re)		elease	L	elease Jse <u>on</u> Ph2 R96 R97 R98 R99 Rel- Rel- Rel- Rel-	<u>e</u> of i } -4 -5	(GSN (Relé (Relé (Relé (Relé (Relé (Relé		se 2) 996) 997) 998) 999) 999)	pases:
Reason for chang	ge.				ne naming of MENT REPO				exter	nsio	n "ado	ditior	nalM	easur	edRe	esults" in

	MEASUREMENT REPORT message,
	additionalMeasuredResults-LCR MeasuredResultsList-LCR-r4-ext OPTIONAL,
	both UE and RNC implementation may be misguided into incorrect ASN.1 IE setting and reading with measurement results. Actually, the only correct understanding is that both R4 measurement results and additional measurement results(if exists) shall be contained in the single IE "MeasuredResultsList-LCR-r4-ext", regardless of their presence ranking.
Summary of change: ೫	One note was inserted in ASN description associated with R4 non-critical extension IE 'MeasuredResultsList-LCR-r4-ext'.
Consequences if	If not approved, and UE or RNC was implemented following the misguidance, i.e. sets and reads measurement results at/from the wrong place, this will lead to inter-operation failure given that 't-ady' was required to be reported.
	This clarification was for 1.28 Mcps TDD mode only.

Clauses affected:	第 11.3	
Other specs affected:	YNXOther core specifications#XTest specifications#XO&M Specifications	

### Other comments: #

#### How to create CRs using this form:

Comprehensive information and tips about how to create CRs can be found at <u>http://www.3gpp.org/specs/CR.htm</u>. 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 <u>ftp://ftp.3gpp.org/specs/</u> 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.

```
MeasurementReport ::= SEQUENCE {
    -- Measurement IEs
        measurementIdentity
                                MeasurementIdentity,
        measuredResults MeasuredResults
additionalMac
                                                                                 OPTIONAL,
                                          MeasuredResultsOnRACH
                                                                                 OPTIONAL,
        additionalMeasuredResults MeasuredResultsList
                                                                                 OPTIONAL,
                                         EventResults
        eventResults
                                                                                 OPTIONAL,
    -- Non-critical extensions
            nonCriticalExtensions SEQUENCE {
measurementReport-v390ext MeasurementReport-v390ext,
laterNonCriticalExtensions SEQUENCE {
        v390nonCriticalExtensions
                 -- Container for additional
measurementReport-r3-add-ext
                 -- Container for additional R99 extensions
                                                   BIT STRING OPTIONAL,
                                                   SEQUENCE {
                     measurementReport-v4b0ext
                                                   MeasurementReport-v4b0ext-IEs,
                     -- Extension mechanism for non-Rel4 information
                     nonCriticalExtensions
                                                      SEQUENCE {}
                                                                                          OPTTONAL.
                 }
                    OPTIONAL
                 OPTIONAL
             }
        }
            ,
OPTIONAL
}
MeasurementReport-v390ext ::= SEQUENCE {
        measuredResults-v390ext
                                          MeasuredResults-v390ext
                                                                               OPTIONAL
}
MeasurementReport-v4b0ext-IEs ::= SEQUENCE {
                                     InterFreqEventResults-LCR-r4-ext
    interFreqEventResults-LCR
                                                                                 OPTIONAL,
    --additionalMeasuredResults-LCR shall contain measurement results and additional measurement
     --results list.
    additionalMeasuredResults-LCR MeasuredResultsList-LCR-r4-ext
gsmOTDreferenceCell PrimaryCPICH-Info
                                                                                 OPTIONAL,
                                                                                 OPTIONAL
}
```

## 3GPP TSG-RAN2#45 Shin-Yokohama, Japan, 15-19 Nov 2004

# *Tdoc* **≋***R*2-042593

	CHANGE RE	CR-For	n-v7.1
æ	25.331 CR 2450 #re	rev - <sup># Current version:</sup> 5.10.0	
For <mark>HELP</mark> on ι	using this form, see bottom of this page	age or look at the pop-up text over the ೫ symbols	 3.
Proposed change	<i>affects:</i> UICC apps <b>೫</b> ME	ME X Radio Access Network X Core Networ	k 📃
Title: #	ASN.1 clarification on Measuremen	ent Report for 1.28 Mcps TDD	
Source: ¥	RAN WG2		
Work item code: ¥	LCRTDD-L23	Date: 米 10 Nov. 2004	
Category: ₩	<ul> <li>A</li> <li>Use <u>one</u> of the following categories:</li> <li>F (correction)</li> <li>A (corresponds to a correction in an</li> <li>B (addition of feature),</li> <li>C (functional modification of feature,</li> <li>D (editorial modification)</li> <li>Detailed explanations of the above categories</li> <li>be found in 3GPP <u>TR 21.900</u>.</li> </ul>	ure) R97 (Release 1997) R98 (Release 1998) R99 (Release 1999)	
Reason for change	MEASUREMENT REPORT mes	non-critical extension "additionalMeasuredResults nessage, MeasuredResultsList-LCR-r4-ext	s" in

	MEASUREMENT REPORT message,
	additionalMeasuredResults-LCR MeasuredResultsList-LCR-r4-ext OPTIONAL,
	both UE and RNC implementation may be misguided into incorrect ASN.1 IE setting and reading with measurement results. Actually, the only correct understanding is that both R4 measurement results and additional measurement results(if exists) shall be contained in the single IE "MeasuredResultsList-LCR-r4-ext", regardless of their presence ranking.
Summary of change: #	One note was inserted in ASN description associated with R4 non-critical extension IE 'MeasuredResultsList-LCR-r4-ext'.
Consequences if % not approved:	If not approved, and UE or RNC was implemented following the misguidance, i.e. sets and reads measurement results at/from the wrong place, this will lead to inter-operation failure given that 't-adv' was required to be reported.
	This clarification was for 1.28 Mcps TDD mode only.

Clauses affected:	ж	11.3			
	Б				
	L	YN			
Other specs	Ħ	X	Other core specifications	ж	
affected:		Χ	Test specifications		
		X	O&M Specifications		

### Other comments: #

#### How to create CRs using this form:

Comprehensive information and tips about how to create CRs can be found at <u>http://www.3gpp.org/specs/CR.htm</u>. 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 <u>ftp://ftp.3gpp.org/specs/</u> 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.

```
MeasurementReport ::= SEQUENCE {
    -- Measurement IEs
       measurementIdentity
                               MeasurementIdentity,
       measuredResults MeasuredResults MeasuredResults
                                                                             OPTIONAL,
                                        MeasuredResultsOnRACH
                                                                             OPTIONAL,
                                     MeasuredResultsList
        additionalMeasuredResults
                                                                             OPTIONAL,
        eventResults
                                       EventResults
                                                                             OPTIONAL,
    -- Non-critical extensions
                                            SEQUENCE {
        v390nonCriticalExtensions
            JnonCriticalExtensions SEQUENCE {
measurementReport-v390ext MeasurementReport-v390ext,
laterNonCriticalExtensions SEQUENCE {
                -- Container for additional R99 extensions
                measurementReport-r3-add-ext
                                                 BIT STRING
                                                                   OPTIONAL,
                v4b0NonCriticalExtensions
                                                SEQUENCE {
                    measurementReport-v4b0ext
                                                 MeasurementReport-v4b0ext-IEs,
                    -- Extension mechanism for non-Rel4 information
                    v590NonCriticalExtensions SEQUENCE {
                        measurementReport-v590ext
                                                        MeasurementReport-v590ext-IEs,
                                                                                         OPTIONAL
                        nonCriticalExtensions
                                                        SEQUENCE { }
                    }
                                                OPTIONAL
                }
                                            OPTIONAL
           }
                                    OPTIONAL
        }
                                    OPTIONAL
}
MeasurementReport-v390ext ::= SEQUENCE {
       measuredResults-v390ext
                                        MeasuredResults-v390ext
                                                                            OPTIONAL
}
MeasurementReport-v4b0ext-IEs ::= SEQUENCE {
    interFreqEventResults-LCR InterFreqEventResults-LCR-r4-ext
                                                                             OPTIONAL,
    --additionalMeasuredResults-LCR shall contain measurement results and additional measurement
    --results list.
    additionalMeasuredResults-LCR MeasuredResultsList-LCR-r4-ext
                                                                             OPTIONAL,
    gsmOTDreferenceCell
                                    PrimaryCPICH-Info
                                                                             OPTIONAL
}
MeasurementReport-v590ext-IEs ::= SEQUENCE {
    measuredResults-v590ext
                                        MeasuredResults-v590ext
                                                                             OPTIONAL
}
```

## 3GPP TSG-RAN2#45 Shin-Yokohama, Japan, 15-19 Nov 2004

# *Tdoc* **≋***R*2-042594

			(	CHANGE	E REQ	UE	ST			C	R-Form-v7.1
ж		<mark>25.331</mark>	CR	2451	жrev	-	ж	Current vers	ion:	6.3.0	ж
For <mark>HELP</mark> on	n us	ing this fo	orm, see	bottom of thi	s page or	look	at the	pop-up text	over	the ೫ syn	nbols.
Proposed change	e a	ffects:	UICC a	upps₩	ME <mark>X</mark>	Rac	lio Ac	cess Networ	k <mark>X</mark>	Core Ne	etwork
Title:	Ж	ASN.1 c	arificati	<mark>on on Measu</mark>	rement Re	eport	for 1.	28 Mcps TD	D		
Source:	ж	RAN WO	62								
Work item code:	Ж	LCRTDE	0-L23					<i>Date:</i> ೫	10	Nov. 2004	ŀ
Category:		F (co A (co B (ac C (fui D (co	rrection) prespone Idition of nctional litorial m splanatic	ds to a correction feature), modification of f odification) ons of the above	on in an ear feature)		elease,	R97 R98 R99 Rel-4	the fo (GSN (Rele (Rele (Rele (Rele (Rele (Rele		pases:
Reason for chan	ge:			ne naming of F			exten	sion "additior	nalM	easuredRe	esults" in

Reason for change:	ж	Regarding the naming of R4 non-critical extension "additionalMeasuredResults" in MEASUREMENT REPORT message,
		additionalMeasuredResults-LCR MeasuredResultsList-LCR-r4-ext OPTIONAL,
		both UE and RNC implementation may be misguided into incorrect ASN.1 IE setting and reading with measurement results. Actually, the only correct understanding is that both R4 measurement results and additional measurement results(if exists) shall be contained in the single IE "MeasuredResultsList-LCR-r4-ext", regardless of their presence ranking.
Summary of change:	ዋ	One note was inserted in ASN description associated with R4 non-critical
Summary of change.	ማ	extension IE 'MeasuredResultsList-LCR-r4-ext'.
Consequences if not approved:	ж	If not approved, and UE or RNC was implemented following the misguidance, i.e. sets and reads measurement results at/from the wrong place, this will lead to inter-operation failure given that 't-adv' was required to be reported.
		This clarification was for 1.28 Mcps TDD mode only.

Clauses affected:	第 11.3
Other specs affected:	Y       N         #       X         X       Other core specifications         X       Test specifications         X       O&M Specifications

### Other comments: #

#### How to create CRs using this form:

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- 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 <u>ftp://ftp.3gpp.org/specs/</u> 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.

```
MeasurementReport ::= SEQUENCE {
    -- Measurement IEs
       measurementIdentity
                               MeasurementIdentity,
       measuredResults MeasuredResults MeasuredResults
                                                                             OPTIONAL,
                                        MeasuredResultsOnRACH
                                                                             OPTIONAL,
                                     MeasuredResultsList
        additionalMeasuredResults
                                                                             OPTIONAL,
        eventResults
                                       EventResults
                                                                             OPTIONAL,
    -- Non-critical extensions
                                            SEQUENCE {
        v390nonCriticalExtensions
            JnonCriticalExtensions SEQUENCE {
measurementReport-v390ext MeasurementReport-v390ext,
laterNonCriticalExtensions SEQUENCE {
                -- Container for additional R99 extensions
                measurementReport-r3-add-ext
                                                 BIT STRING
                                                                   OPTIONAL,
                v4b0NonCriticalExtensions
                                                SEQUENCE {
                    measurementReport-v4b0ext
                                                 MeasurementReport-v4b0ext-IEs,
                    -- Extension mechanism for non-Rel4 information
                    v590NonCriticalExtensions SEQUENCE {
                        measurementReport-v590ext
                                                        MeasurementReport-v590ext-IEs,
                                                                                         OPTIONAL
                        nonCriticalExtensions
                                                        SEQUENCE { }
                    }
                                                OPTIONAL
                }
                                            OPTIONAL
           }
                                    OPTIONAL
        }
                                    OPTIONAL
}
MeasurementReport-v390ext ::= SEQUENCE {
       measuredResults-v390ext
                                        MeasuredResults-v390ext
                                                                            OPTIONAL
}
MeasurementReport-v4b0ext-IEs ::= SEQUENCE {
    interFreqEventResults-LCR InterFreqEventResults-LCR-r4-ext
                                                                             OPTIONAL,
    --additionalMeasuredResults-LCR shall contain measurement results and additional measurement
    --results list.
    additionalMeasuredResults-LCR MeasuredResultsList-LCR-r4-ext
                                                                             OPTIONAL,
    gsmOTDreferenceCell
                                    PrimaryCPICH-Info
                                                                             OPTIONAL
}
MeasurementReport-v590ext-IEs ::= SEQUENCE {
    measuredResults-v590ext
                                        MeasuredResults-v590ext
                                                                             OPTIONAL
}
```

## 3GPP TSG-RAN WG2 Meeting #45 Shin Yokohama, Japan, 15 – 19 November 2004

## *Tdoc* **#***R2-042693*

			(	CHANGE	REQ	UE	ST			C	R-Form-v7.1
¥	2	<mark>25.331</mark>	CR	2466	жrev	1	Ħ	Current vers	<sup>ion:</sup> 4.f.	0	ж
For <u>HELP</u> or	n usii	ng this for	m, see	e bottom of this	s page or	look	at the	e pop-up text	over the ¥	syr	nbols.
Proposed chang	ie afi	fects:	JICC a	ıpps <b>೫</b> <mark></mark>	ME <mark>X</mark>	Rad	dio A	ccess Networ	k X Core	Ne	etwork
Title:	ж	Missing C	TDOA	TDD related	v4b0 exte	nsior	n in N		NT CONTR	OL	-
Source:	ж	<mark>RAN WG</mark>	2								
Work item code:	ж	TEI4						<i>Date:</i> ೫	Nov 2004		
Category:	C	Ise <u>one</u> of F (cor A (cor B (ado C (fun D (edi Detailed ex	rection) respond dition of ctional torial m planatio	owing categories ds to a correctio feature), modification of f odification) ns of the above <u>FR 21.900</u> .	n in an eai feature)		elease	Use <u>one</u> of Ph2 Ph2 P9 R97 R98 R99 Rel-4 Rel-5	Rel-4 the following (GSM Phase (Release 19 (Release 19 (Release 19 (Release 4) (Release 5) (Release 6) (Release 7)	) 96) 97) 98)	eases:

Reason for change: ೫	One ASN.1 line with the IE "MeasurementControl_v4b0ext-IEs" is missing in the MEASUREMENT CONTROL message. The missing line was unintentionally deleted at the update of the TS 25.331 from V5.8.0 to V5.9.0.
Summary of change:	The missing ASN.1 line is deleted from the Rel-4 version of the specification so that Rel-4/Rel-5 will regain backwards compatibility.
Consequences if # not approved:	The R5 version of the MEASUREMENT CONTROL message would not be compatible with the corresponding R4 version of the message. Consequently, the "r3 branch" of this message could not be used when R4 or R5 information need to be sent.
	<b>Impact Analysis:</b> UTRANs requiring this IE (used for UE Positioning OTDOA AssistanceData for TTD) will have to use the later-than-r3 (r4) branch of the message. Release 4 UEs implementing ASN.1 later than v4b0 will have to implement the change.

Clauses affected:	ж	11.2 Y N			
Other specs affected:	ж	X X X X	Other core specifications Test specifications O&M Specifications	Ħ	
Other comments:	ж				

```
*******
_ _
-- MEASUREMENT CONTROL
MeasurementControl ::= CHOICE {
    -- The Rel-4 functionality of UE Positioning OTDOA AssistanceData for TDD is only available
    -- in the later-than-r3 branch of this message (i.e. through the use of the IE
    -- ue-Positioning-OTDOA-AssistanceData-r4)
        v390nonCriticalExtensions SEQUENCE / MeasurementControl-r3-IEs, SEQUENCE /
    r3
                                    SEQUENCE {
           measurementControl-v390ext MeasurementControl-v390ext,
v3a0NonCriticalExtensions SEQUENCE {
    measurementControl v2a0out MeasurementControl
                measurementControl-v3a0ext
                                                    MeasurementControl-v3a0ext,
                laterNonCriticalExtensions SEQUENCE {
                    -- Container for additional R99 extensions
                    measurementControl-r3-add-ext BIT STRING OPTIONAL, v4b0NonCriticalExtensions SEQUENCES
                    v4b0NonCriticalExtensions
                                                       SEQUENCE {
                        -- The content of the v4b0 non-critical extension has been removed.
                                                                                             If sent
                        -- to a UE of AS release 4, the UE behaviour is unspecified. A UE of AS
                       -- release 5 onward shall comply with the v4b0 and later extensions in this -- branch of the message.
                        measurementControl-v4b0ext
                                                             MeasurementControl-v4b0ext-IEs,
                                                            SEQUENCE { }
                        nonCriticalExtensions
                                                                                             OPTIONAL
                    }
                                           OPTIONAL
                                       OPTIONAL
                }
            }
                                   OPTIONAL
        }
                                OPTIONAL
    },
                                    SEQUENCE {
    later-than-r3
                                   RRC-TransactionIdentifier,
        rrc-TransactionIdentifier
        criticalExtensions
                                        CHOICE {
                measurementControl-r4 SEQUENCE {
           r4
                v4d0NonCriticalExtensions SEOUENCE (
                    -- Container for adding non critical extensions after freezing REL-5
                    measurementControl-r4-add-ext
                                                        BIT STRING
                                                                        OPTIONAL,
                    nonCriticalExtensions
                                                    SEQUENCE {}
                                                                    OPTIONAL
                }
                        OPTIONAL
            },
                                SEQUENCE {}
            criticalExtensions
        }
    }
}
MeasurementControl-r3-IEs ::= SEQUENCE {
   -- User equipment IEs
       rrc-TransactionIdentifier
                                      RRC-TransactionIdentifier,
    -- Measurement IEs
       measurementIdentity MeasurementIdentity,
        -- TABULAR: The measurement type is included in MeasurementCommand.
       measurementCommand MeasurementCommand,
measurementReportingMode MeasurementReporting
additionalMeasurementList AdditionalMeasurement
                                       MeasurementReportingMode
                                                                             OPTIONAL,
                                       AdditionalMeasurementID-List
                                                                             OPTIONAL,
    -- Physical channel IEs
        dpch-CompressedModeStatusInfo DPCH-CompressedModeStatusInfo
                                                                           OPTIONAL
}
MeasurementControl v4b0ext-IEs := SEQUENCE {
    ue Positioning OTDOA AssistanceData r4ext UE Positioning OTDOA AssistanceData r4ext OPTIONAL
+
MeasurementControl-v390ext ::= SEOUENCE {
       ue-Positioning-Measurement-v390ext
                                              UE-Positioning-Measurement-v390ext OPTIONAL
}
MeasurementControl-v3a0ext ::= SEQUENCE {
                                    SFN-Offset-Validity OPTIONAL
    sfn-Offset-Validity
}
MeasurementControl-r4-IEs ::= SEOUENCE {
    -- Measurement IEs
       measurementIdentity MeasurementIdentity,
```

}

4

3GPP

```
    TABULAR: The measurement type is included in measurementCommand.
    measurementCommand
    MeasurementCommand-r4,
    measurementReportingMode
    AdditionalMeasurementList
    AdditionalMeasurementID-List
    OPTIONAL,
    Physical channel IEs
    dpch-CompressedModeStatusInfo
    DPCH-CompressedModeStatusInfo
```

## 3GPP TSG-RAN WG2 Meeting #45 Shin Yokohama, Japan, 15 – 19 November 2004

## *Tdoc* **#***R2-042694*

CHANGE REQUEST										R-Form-v7.1	
æ		<mark>25.331</mark>	CR	2467	жrev	1	Ħ	Current vers	<sup>ion:</sup> 5.a	a.0	ж
For <b>HELP</b> on using this form, see bottom of this page or look at the pop-up text over the <b>#</b> symbols.											
<b>Proposed change affects:</b> UICC apps# ME Radio Access Network X Core Network											
Title:	Ж	Missing C		TDD related	v4b0 exte	ensior	<mark>ו in N</mark>	<b>IEASUREME</b>	NT CONT	ROL	
Source:	ж	RAN WG	2								
Work item code:	ж	TEI5						<b>Date:</b> ೫	Nov 200	4	
Category:	C	Jse <u>one</u> of F (con A (cor B (add C (fun D (edi	rection) respon dition of ctional torial m planatic	ds to a correctio feature), modification of f odification) ons of the above	n in an ea <sup>f</sup> eature)		elease	R97 R98 R99 Rel-4 Rel-5		se 2) 996) 997) 998) 999) 999)	eases:

Reason for change: ೫	One ASN.1 line with the IE "MeasurementControl_v4b0ext-IEs" is missing in the MEASUREMENT CONTROL message. The missing line was unintentionally deleted at the update of the TS 25.331 from V5.8.0 to V5.9.0.
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Consequences if # not approved:	The R5 version of the MEASUREMENT CONTROL message would not be compatible with the corresponding R4 version of the message. Consequently, the "r3 branch" of this message could not be used when R4 or R5 information need to be sent.
	<b>Impact Analysis:</b> UTRANs requiring this IE (used for UE Positioning OTDOA AssistanceData for TTD) will have to use the later-than-r3 (r4) branch of the message. Release 4 UEs implementing ASN.1 later than v4b0 will have to implement the change.

Clauses affected:	ж	11.2 Y N			
Other specs affected:	ж	X           X           X           X           X           X	Other core specifications Test specifications O&M Specifications	Ħ	
Other comments:	ж				

\_ \_ -- MEASUREMENT CONTROL MeasurementControl ::= CHOICE { -- The Rel-4 functionality of UE Positioning OTDOA AssistanceData TTD is only available in the later-than-r3 branch of this message (i.e. through the use of the IE - ue-Positioning-OTDOA-AssistanceData-r4) measurementControl-r3 r3 measurementControl-r3 MeasurementControl-r3-IEs, v390nonCriticalExtensions SEQUENCE { measurementControl-v390ext MeasurementControl-v390ext, v3a0NonCriticalExtensions SEQUENCE { SEQUENCE { NonCriticalExtensions Measure measurementControl-v3a0ext Measure ControlExtensions SEQUENCE { MeasurementControl-v3a0ext, -- Container for additional R99 extensions measurementControl-r3-add-ext BIT STRING OPTIONAL, v4b0NonCriticalExtensions SEQUENCE { -- The content of the v4b0 non-critical extension has been removed. If sent -- to a UE of AS release 4, the UE behaviour is unspecified. A UE of AS -- release 5 onward shall comply with the v4b0 and later extensions in this -- branch of the message. SEQUENCE { v590NonCriticalExtensions measurementControl-v590ext MeasurementControl-v590ext-IEs, nonCriticalExtensions SEQUENCE { } OPTIONAL OPTIONAL } OPTIONAL } } OPTIONAL } OPTIONAL } OPTIONAL }, later-than-r3 SEQUENCE { RRC-TransactionIdentifier, rrc-TransactionIdentifier criticalExtensions CHOICE { SEQUENCE { r4 MeasurementControl-r4-IEs, measurementControl-r4 SEQUENCE { v4d0NonCriticalExtensions -- Container for adding non critical extensions after freezing REL-5 measurementControl-r4-add-ext BIT STRING OPTIONAL, v590NonCriticalExtensions SEQUENCE { MeasurementControl-v590ext-IEs, measurementControl-v590ext nonCriticalExtensions SEQUENCE {} OPTIONAL OPTIONAL } } OPTTONAL. }. SEQUENCE { } criticalExtensions } } } MeasurementControl-r3-IEs ::= SEQUENCE { -- User equipment IEs rrc-TransactionIdentifier RRC-TransactionIdentifier, -- Measurement IEs Measurement IEs measurementIdentity MeasurementIdentity, -- TABULAR: The measurement type is included in MeasurementCommand. measurementCommand MeasurementCommand, measurementReportingMode MeasurementReportingMode OPTIONAL. additionalMeasurementList AdditionalMeasurementID-List OPTIONAL, -- Physical channel IEs dpch-CompressedModeStatusInfo DPCH-CompressedModeStatusInfo OPTIONAL } MeasurementControl-v4b0ext-IEs ::= SEOUENCE { ue-Positioning-OTDOA-AssistanceData-r4ext UE-Positioning-OTDOA-AssistanceData-r4ext OPTIONAL } MeasurementControl-v390ext ::= SEQUENCE { ue-Positioning-Measurement-v390ext UE-Positioning-Measurement-v390ext OPTIONAL } MeasurementControl-v3a0ext ::= SEOUENCE { SFN-Offset-Validity OPTIONAL sfn-Offset-Validity }

4

```
MeasurementControl-r4-IEs ::= SEQUENCE {
    -- Measurement IEs
        measurementIdentity MeasurementIdentity,
         -- TABULAR: The measurement type is included in measurementCommand.
        measurementCommand MeasurementCommand-r4,
measurementReportingMode
additionalMeasurementList AdditionalMeasurementID-List
                                                                                OPTIONAL,
OPTIONAL,
    -- Physical channel IEs
        dpch-CompressedModeStatusInfo DPCH-CompressedModeStatusInfo
                                                                                OPTIONAL
}
MeasurementControl-v590ext-IEs := SEQUENCE {
        surementCommand-v590ext CHOICE {
-- the choice "intra-frequency" shall be used for the case of intra-frequency measurement,
    measurementCommand-v590ext
        -- as well as when intra-frequency events are configured for inter-frequency measurement
                                               Intra-FreqEventCriteriaList-v590ext,
        intra-frequency
        inter-frequency
                                               Inter-FreqEventCriteriaList-v590ext
            OPTIONAL,
    intraFreqReportingCriteria-1b-r5
intraFreqEvent-1d-r5
IntraFreqEvent-1d-r5
                                                                                           OPTIONAL,
                                                                                           OPTIONAL,
    -- most significant part of "RRC transaction identifier" (MSP),
    -- "RRC transaction identifier" = rrc-TransactionIdentifier-MSP-v590ext * 4 +
    -- rrc-TransactionIdentifier
    rrc-TransactionIdentifier-MSP-v590ext RRC-TransactionIdentifier
}
```

## 3GPP TSG-RAN WG2 Meeting #45 Shin Yokohama, Japan, 15 – 19 November 2004

## *Tdoc* **#***R2-042695*

CHANGE REQUEST									
H	25.331	CR 2468	жrev	<b>1</b> <sup>#</sup>	Current vers	<sup>ion:</sup> 6.3.0	ж		
For <u>HELP</u> on using this form, see bottom of this page or look at the pop-up text over the <i>X</i> symbols.									
Proposed change	affects:	UICC apps೫	MEX	Radio A	ccess Networ	k 🗙 Core Ne	etwork		
Title: ೫	Missing C	TDOA TDD related	d v4b0 exte	nsion in N	<b>MEASUREME</b>	NT CONTROL	_		
Source: ೫	RAN WG	2							
Work item code: Ж	TEI6				<i>Date:</i> ೫	Nov 2004			
Category: ⊮	Use <u>one</u> of F (cor A (cor B (add C (fun D (edi Detailed exp	the following categori rection) responds to a correct dition of feature), ctional modification o torial modification) planations of the abov 3GPP <u>TR 21.900</u> .	ion in an ear f feature)		Ph2	Rel-6 the following rel (GSM Phase 2) (Release 1996) (Release 1997) (Release 1998) (Release 1999) (Release 4) (Release 5) (Release 6) (Release 7)			

Reason for change: ೫	One ASN.1 line with the IE "MeasurementControl-v4b0ext-IEs" is missing in the MEASUREMENT CONTROL message. The missing line was unintentionally deleted at the update of the TS 25.331 from V5.8.0 to V5.9.0.
Summary of change: ೫	The missing ASN.1 line is deleted from the Rel-4 version of the specification so that Rel-4/Rel-5 will regain backwards compatibility.
Consequences if 🛛 🕱	The R5 version of the MEASUREMENT CONTROL message would not be
not approved:	compatible with the corresponding R4 version of the message. Consequently, the "r3 branch" of this message could not be used when R4 or R5 information need to be sent.
	Impact Analysis:
	UTRANs requiring this IE (used for UE Positioning OTDOA AssistanceData for
	TTD) will have to use the later-than-r3 (r4) branch of the message. Release 4 UEs implementing ASN.1 later than v4b0 will have to implement the
	change.

Clauses affected:	Ħ	11.2			
Other specs affected:	ж	Y N X X X	Other core specifications Test specifications O&M Specifications	ж	
Other comments:	Ħ				

\_ \_ -- MEASUREMENT CONTROL MeasurementControl ::= CHOICE { -- The Rel-4 functionality of UE Positioning OTDOA AssistanceData TTD is only available in the later-than-r3 branch of this message (i.e. through the use of the IE - ue-Positioning-OTDOA-AssistanceData-r4) measurementControl-r3 r3 measurementControl-r3 MeasurementControl-r3-IEs, v390nonCriticalExtensions SEQUENCE { measurementControl-v390ext MeasurementControl-v390ext, v3a0NonCriticalExtensions SEQUENCE { SEQUENCE { NonCriticalExtensions Measure measurementControl-v3a0ext Measure ControlExtensions SEQUENCE { MeasurementControl-v3a0ext, -- Container for additional R99 extensions measurementControl-r3-add-ext BIT STRING OPTIONAL, v4b0NonCriticalExtensions SEQUENCE { -- The content of the v4b0 non-critical extension has been removed. If sent to a UE of AS release 4, the UE behaviour is unspecified. A UE of AS -- release 5 onward shall comply with the v4b0 and later extensions in this -- branch of the message. measurementControl v4b0ext MeasurementControl v4b0ext IEs, v590NonCriticalExtensions SEQUENCE { measurementControl-v590ext MeasurementControl-v590ext-IEs, SEQUENCE {} nonCriticalExtensions OPTIONAL OPTIONAL } } OPTIONAL } OPTIONAL } OPTIONAL } OPTIONAL later-than-r3 SEQUENCE { RRC-TransactionIdentifier, rrc-TransactionIdentifier CHOICE { criticalExtensions measurementControl-r4 SEQUENCE { r4 v4d0NonCriticalExtensions SEOTENCE ( -- Container for adding non critical extensions after freezing REL-5 measurementControl-r4-add-ext BIT STRING OPTIONAL, v590NonCriticalExtensions SEQUENCE { MeasurementControl-v590ext-IEs, measurementControl-v590ext SEQUENCE {} nonCriticalExtensions OPTIONAL } OPTTONAL. . OPTIONAL } }, criticalExtensions SEQUENCE { } } } } MeasurementControl-r3-IEs ::= SEQUENCE { -- User equipment IEs rrc-TransactionIdentifier RRC-TransactionIdentifier, -- Measurement IEs measurementIdentity MeasurementIdentity, -- TABULAR: The measurement type is included in MeasurementCommand. measurementCommand MeasurementCommand, measurementReportingMode MeasurementReporting additionalMeasurementList AdditionalMeasurement MeasurementReportingMode OPTIONAL, AdditionalMeasurementID-List OPTIONAL, -- Physical channel IEs dpch-CompressedModeStatusInfo DPCH-CompressedModeStatusInfo OPTIONAL } MeasurementControl-v4b0ext-IEs := SEQUENCE { ue Positioning OTDOA AssistanceData r4ext UE Positioning OTDOA AssistanceData r4ext OPTIONAL } MeasurementControl-v390ext ::= SEQUENCE { ue-Positioning-Measurement-v390ext UE-Positioning-Measurement-v390ext OPTIONAL } MeasurementControl-v3a0ext ::= SEQUENCE { sfn-Offset-Validity SFN-Offset-Validity OPTIONAL

} MeasurementControl-r4-IEs ::= SEQUENCE { -- Measurement IEs measurementIdentity MeasurementIdentity, -- TABULAR: The measurement type is included in measurementCommand. 

 measurementCommand
 MeasurementCommand-r4,

 measurementReportingMode
 MeasurementReportingMode

 additionalMeasurementList
 AdditionalMeasurementID-List

 OPTIONAL, OPTIONAL, -- Physical channel IEs dpch-CompressedModeStatusInfo DPCH-CompressedModeStatusInfo OPTIONAL } MeasurementControl-v590ext-IEs := SEQUENCE { measurementCommand-v590ext CHOICE { -- the choice "intra-frequency" shall be used for the case of intra-frequency measurement,  $\ensuremath{\mathsf{--}}$  as well as when intra-frequency events are configured for inter-frequency measurement intra-frequency Intra-FreqEventCriteriaList-v590ext, inter-frequency Inter-FreqEventCriteriaList-v590ext OPTIONAL, } intraFreqReportingCriteria-lb-r5 IntraFreqReportingCriteria-lb-r5 OPTIONAL, intraFreqEvent-1d-r5 IntraFreqEvent-1d-r5 OPTIONAL, -- most significant part of "RRC transaction identifier" (MSP), -- "RRC transaction identifier" = rrc-TransactionIdentifier-MSP-v590ext \* 4 + -- rrc-TransactionIdentifier rrc-TransactionIdentifier-MSP-v590ext RRC-TransactionIdentifier }