3GPP TSG RAN Meeting #27 Tokyo, Japan, 9 - 11 March 2005

RP-050169

TitleCR2500 and CR2501 to 25.331 on Integrity protection related information in
the SRNS relocation infoSource3GPP TSG RAN WG2Agenda Itememail approval

WG Tdoc	Spec	CR	F Cat	Rel	Curr Ver	Title	Work Item
R2-050386	25.331	2500	F	Rel-5	5.11.0	Integrity protection related information in the SRNS relocation info	TEI5
R2-050386	25.331	2501	А	Rel-6	6.4.0	Integrity protection related information in the SRNS relocation info	TEI5

3GPP TSG-RAN WG2 Meeting #46 Sophia Antipolis, France, 10 – 14 January 2005

Tdoc **#R2-050254**

			(CHANGE	REQ	UE	ST	I			CR-I	Form-v7.1
¥	25	5 <mark>.331</mark>	CR	2500	жrev	-	Ħ	Current	versi	^{on:} 5.1	[#] 1.0	B
For <u>HELP</u> or	using	this for	m, see	e bottom of this	s page or	look	at th	e pop-up	text o	over the	ж symb	ols.
Proposed chang	e affe	cts: (JICC a	ipps#	ME	Rad	dio A	ccess Ne	etworł	(<mark>X</mark> C	ore Netw	ork
Title:	쁐 Int	tegrity p	rotecti	on related info	ormation i	n the	SRN	<mark>IS reloca</mark>	i <mark>tion i</mark> r	nfo		
Source:	<mark>೫ R</mark> /	AN WG	2									
Work item code:	ж <mark>те</mark>	E I 5						Dat	е: Ж	10/01/2	2005	
Category:	₩ <mark>F</mark> Use Det be f	A (con F (con B (add C (fun D (edi ailed exp cound in	the follo rection) respon- lition of ctional torial m blanatio 3GPP	owing categories ds to a correction feature), modification of t odification) ons of the above <u>TR 21.900</u> .	s: on in an ear feature) e categories	rlier re	elease	Releas Use <u>or</u> Ph2 R90 R91 R91 R91 R91 R91 R91 R91 R91 R91 R91	e: # <u>ne</u> of t. 2 (6 (7 (8 (9 (1-4 (1-5 (1-7 (Rel-5 he follow, 'GSM Ph 'Release (Release (Release (Release (Release (Release	ing releas ase 2) 1996) 1997) 1998) 1999) 4) 5) 6) 7)	es:
Reason for chan	ge: भ	B SF So be wit "ar HF	Source B4 ev urce R able to hout c nticipat	RNC may be en after having NC to Target o send downlin ausing integrit e" when settin DL RRC Mes	required g set the S RNC Tran hk messa y desynch ig the DL sage Seq	to se SRNS nspar ges a nronis COU uenc	nd de S Rel ent (fter t sation NT-I e Nu	ownlink r ocation I Contained he const he const n, the So of SRB3 mber) in	nessa nfo in r IE. T ructio urce l and the c	iges on cluded i Therefore n of the RNC has SRB4 (i. ontainer	SRB3 ar n the RA e, If it wa containe s to e. DL RI	nd NAP Ints to er

The Semantic description of the IEs "Downlink RRC HFN" and "Downlink RRC MSN" in the "SRNS Relocation Info" need to be clarify has it could be understood that the source RNC cannot make such an "anticipation".

Summary of change: ೫	A note is added to clarify that the Source RNC is allowed to "anticipate" for the sending of DL messages after the construction of the container.
Consequences if # not approved:	Isolated impact analysis:
	This CR has no impact to the UE. If the UTRAN does not support this CR: If the semantic description is misunderstood, the SRNC will not be able to send any DL message during the relocation preparation phase.

	Impact on test specifications: No impact is foreseen.
Clauses affected:	¥ 14.12.4.2
Other specs affected:	YN%XXOther core specificationsXTest specificationsXO&M Specifications
Other comments:	ж

14.12.4.2 SRNS RELOCATION INFO

This RRC message is sent between network nodes when preparing for an SRNS relocation or a handover/cell reselection from GERAN *Iu mode*.

With the presence or absence of the IE "RB identity for Hard Handover message" the source RNC indicates to the target SRNC whether the source RNC expects to receive the choice "DL DCCH message" in the IE "RRC information, target RNC to source RNC" in case the SRNS relocation is of type "UE involved". Furthermore the target RNC uses this information for the calculation of the MAC-I.

Information Element/Group	Need	Multi	Type and	Semantics description	Version
Name			reterence		
Non RRC IEs					
>RB identity for Handover message	OP		RB identity 10.3.4.16	Gives the id of the radio bearer on which the source RNC will transmit the RRC message in the case the relocation is of type "UE involved". In handover from GERAN <i>lu</i> <i>mode</i> this IE is always set to 2.	
>State of RRC	MP		RRC state		
			indicator, 10.3.3.35a		
>State of RRC procedure	MP		Enumerated (await no RRC message, await RB Release Complete, await RB Setup Complete, await RB Reconfigurat ion Complete, await Transport CH Reconfigurat ion Complete, await Physical CH Reconfigurat ion Complete, await Physical CH Reconfigurat ion Complete, await Physical CH Reconfigurat ion Complete, await Active Set Update Complete, await Handover Complete, send Cell Update Confirm, send URA Update Confirm, others)		
Ciphering related information					
>Ciphering status for each CN domain	MP	<1 to maxCNDo mains>			

Direction: source RNC/RAT→target RNC

Information Element/Group	Need	Multi	Type and	Semantics description	Version
>CN domain identity	MP		CN domain		
	IVIT		identity		
			10.3.1.1		
>>Ciphering status	MP		Enumerated(
			Not started,		
			Started)		
>>START	MP		START	START value to be used in	
	MD		10.3.3.38	this CN domain.	
>Latest configured CN domain	MP		CN domain	Value contained in the variable	
				In case this variable is empty	
			10.5.1.1	the source RNC can set any	
				CN domain identity. In that	
				case, the Ciphering status and	
				the Integrity protection status	
				should be Not started and the	
				target RNC should not initialise	
				CN domain	
>Calculation time for ciphering	CV-			Time when the ciphering	
related information	Cipherina			information of the message	
	- 1			were calculated, relative to a	
				cell of the target RNC. In	
				handover and cell reselection	
				from GERAN <i>lu mode</i> this field	
O all Islandika	MD		O all I da a titu	is not present.	
>>Cell Identity	MP			Identity of one of the cells	
			10.3.2.2	included in the active set of the	
				current call	
>>SFN	MP		Integer(040		
			95)		
>COUNT-C list	OP	1 to		COUNT-C values for radio	
				bearers using transparent	
>>CN domain identity	MP	IIIaiiis>	CN domain		
	IVII		identity		
			10.3.1.1		
>>COUNT-C	MP		Bit string(32)		
>Ciphering info per radio bearer	OP	1 to		For signalling radio bearers	
		<maxrb></maxrb>		this IE is mandatory.	
>>RB identity	MP		RB identity		
>>Downlink HEN	MP		10.3.4.10 Bit	This IE is either RIC AM HEN	
			string(20, 25	(20 bits) or RLC UM HEN (25	
)	bits)	
>>Downlink SN	CV-SRB1		Bit String(7)	VT(US) of RLC UM	
>>Uplink HFN	MP		Bit	This IE is either RLC AM HFN	
			string(2025	(20 bits) or RLC UM HFN (25	
Integrity protection related)	DIIS)	
information					
>Integrity protection status	MP		Enumerated(
· ·····g···) [· · · · · · · · · · · · · · ·			Not started,		
			Started)		
>Signalling radio bearer specific	CV-IP	4 to			
integrity protection information		<maxsrbs< td=""><td></td><td></td><td></td></maxsrbs<>			
Solution PRO LIEN	MD	etup>	Dit otrip a	For each SPR in the same	
	IVIP		(28)	activation times for the part ID	
			(20)	configuration to be applied on	
				this SRB have already been	
				reached this IE corresponds to	
				the last value used. Else this	
				value corresponds to the value	

Name Periodice If the source would have activation time, increment of HPN due to RRC SN roll over is taken care of by target based on value sent by the source nor value sen		Information Element/Group	Need	Multi	Type and	Semantics description	Version
>>Downlink RRC HFN MP Bit string (23) For each SRB, in the case activation times for the reade based on value soft by the source. >>Downlink RRC HFN MP Bit string (23) For each SRB, in the case activation times for the reade based on value soft by the source would have the last or reagonds to the value the source would have instance and by target based on value soft by the source would have the last value uset. Else this value corresponds to the value the source would have instance and by target based on value soft by the source. In particular, for SRB2, this E should not take in the account of the IEC orresponds to the last value uset. Else this value corresponds to the value the source would have instance and by target based on value soft be into account the RRC message through the reade in the account the RRC message based on value soft. >>Uplink RRC Message MP Integer (0, 15) For each SRB, the IE exclosed on the last source, in particular, for SRB2, this E should not take into account the RRC message through the case activation the ease activation the ease a		Name			reference	the course would have	
>>Downlink RRC HFN MP Bit string (28) Control of the case activation time strate based on value sent by the source. >>Downlink RRC HFN MP Bit string (28) Control of the case activation time strately been based on value sent by the source. >>Downlink RRC HFN MP Bit string (28) Control of the case activation time strately been the last value used. Eise this value corresponds to the value the source would have initialized the HFN to at the activation time. Increment of HFN due to RRC SN roll over is taken care of by target boarce. >>Uplink RRC Message sequence number MP Integer (0 15) For each SRB, the life case activation time. Increment of HFN due to RRC SN roll over is taken care of by target boarce. >>Uplink RRC Message sequence number MP Integer (0 15) For each SRB, this life concers in particular for SRB2, the strate value treacted of the last value used. >>Downlink RRC Message sequence number MP Integer (0 15) For each SRB, this life concers of the treat value received or in the case activation time - 10. >>Downlink RRC Message sequence number MP Integer (0 15) For each SRB, this life concertance to a value activation time - 10. >>Downlink RRC Message sequence number MP Integer (0 15) For each SRB, the life concertance to a value activation time - 10. >>Downlink RRC Message sequence numb						initalized the LIEN to at the	
>>Downlink RRC HFN MP Bit string (23) For each SRB, the case of by larget based on value sent by the source; >>Downlink RRC HFN MP Bit string (23) For each SRB, the case of case of the sequence reached this is Corresponds to the source would have the source would have intelliged the iFN to at the activation time. For mean reached the is the value used. Each this the source would have intelliged the iFN to at the activation time. Increment of HFK due to RRC SN roll over is taken care of by target based on value sent by the source. In particular, for SRB2, this is should not take into account into account in the isotate account in the isotate account into account in the isotate account into account in the isotate account in the						Initalized the HFN to at the	
>>Downlink RRC HFN MP Bit string (28) For data (1) by large source. >>Downlink RRC HFN MP Bit string (28) For data (1) by large source. >>Downlink RRC HFN MP Bit string (28) For data (1) by large source. >>Downlink RRC MESN MP Bit string (28) For data (2) by large activation stine of the value the source would have instalice the HFN to at the of HFN due to RRC SN roll over is taken care of by large! based on value sent by the source. >>Uplink RRC Message MP Integer (0) 15) For data (2) by large! based on value sent by the source. >>Uplink RRC Message MP Integer (0) 15) For data (2) by large! based on value sent by large source number >>Uplink RRC Message MP Integer (0) 15) For data (2) by large! based on the last value and of the last value source on unber >>Downlink RRC Message MP Integer (0) 15) For data (2) by large! based of in the case activation time value equals (activation time value equals (activation time value equals (activation time value equals (activation time value activation time value equals (activation time - 1). by parameters >>Downlink RRC Message MP Integer (0) 15) For ads SRB, this IE for ads SRB, this IE for ads SRB, this IE should not take into account the RRC message that will trigger the relocation. by CRC message t						HEN due to BBC SN roll over	
Stadd Care of value same by the based or value same based or value same based or value same based or value value the based or value value the based or value						HFIN due to RRC SN foll over	
Solution MP Bit string (28) Description >>Downlink RRC HFN MP Bit string (28) Environment constant by the solution time strate by reactivation time strate by solution time. Strate by solution time. Interment of HFN due to RRC SN not here intalized the HFN to at the activation time. Interment of HFN due to RRC SN not here the source would have intalized the HFN to at the activation time. Interment of HFN due to RRC SN not here the source would have intalized the HFN to at the activation time. Interment of HFN due to RRC SN not here that will trigger the relocation. NOTE: In order to have the possibility of search by the source would have that will trigger the relocation. NOTE: In order to have the possibility of search by the source would value used. >>Uplink RRC Message sequence number MP Integer (0 15) For each SRB, this IE corresponds to the last value activation time value the source would value used. >>Downlink RRC Message sequence number MP Integer (0 15) For each SRB, this IE corresponds to the last value activation time value equals (activation time - 1). Note: Strate activation time value equals (activation time - 1). Note: Strate sequence number >>Downlink RRC Message sequence number MP Integer (0 15) For each SRB, this IE corresponds to the last value activation time value equals (activation time - 1). Note: In order to have the possibility of search for a configuration the value equals (activation time - 1). Note: In order to have the possibility of search for a configuration the value equals (activation time - 1). Note: In order to have the possibility of search for a configur						Is taken care of by target	
>>Downlink RRC HFN MP Bit string (28) Source activation times for the next IP activation time increment of HFN use to RRC SN nol over is taken can of by target based on value sent by the source. In particular, for SR2, that will trigger the relocation. NOTE: In order to have the account the RRC message that will trigger the relocation. NOTE: In order to have the based on value sent by the source. In particular, for SR2, that will trigger the relocation. NOTE: In order to have the based on value sent by the source in particular, for SR2, that will trigger the relocation. NOTE: In order to have the based on value sent by the source in particular, for SR2, that will trigger the relocation. NOTE: In order to have the based on in the case activation time it: SNNS. RELOCATIONECY: the source number >>Uplink RRC Message MP Integer (0 15) For each SR8, this IE corresponds to the last value activation time + 1). >>Downlink RRC Message sequence number MP Integer (0 15) For each SR8, this IE corresponds to the last value activation time + 1). >>Downlink RRC Message sequence number MP Integer (0 15) For each SR8, this IE corresponds to the last value activation time + 1). >>Downlink RRC Message sequence number MP Integer (0 15) For each SR8, this IE corresponds to the last value activation time + 1). >>Downlink RRC Message sequence number MP Integer (0 15) SR8, this IE corresponds						based on value sent by the	
>>JOWMINK RRC HPN MP bit sting (28) Por death style, in the dase configuration to be applied on the SRB has been applied on the style work has been activation time. Increment of HFN due to RRC SN to all the source may be the source in the SRB has been applied on the style work has been applied on the style work has been account the RRC message that will trigger the relocation. NOTE: In order to have the based of the last value received or in the case and the activation time was not reached for a configuration the value equals (activation time - 1). >>Downlink RRC Message sequence number MP Integer (0 15) For each SRB, this IE corresponds to the last value received or in the case activation time was not reached for a configuration time - 1). >>Downlink RRC Message sequence number MP Integer (0 15) For each SRB, this IE corresponds to the last value received or in the case activation time was not reached for a configuration time - 1). >>Downlink RRC Message sequence number MP Integer (0 15) For each SRB, this IE corresponds to the last value particular for SRB2, his IE solution to value equals (carivation time account the RRC message that will reger the relocation. NOTE: In order to have the possibility of son			MD		D ' (source.	
(25) addreading the problem of the first product of the set of the first product of the set of the		>>Downlink RRC HFN	MP		Bit string	For each SRB, in the case	
s-Uplink RRC Message MP Integer (0 For each SRB, this IE s-Uplink RRC Message MP Integer (0 For each SRB, this IE s-Uplink RRC Message MP Integer (0 For each SRB, this IE sequence number MP Integer (0 For each SRB, this IE sequence number MP Integer (0 For each SRB, this IE source in practication the value quality continue quality cof some quality continue quality continue quality contervice quali					(28)	activation times for the next IP	
>-Uplink RRC Message MP Integer (0 For each SR, this IE corresponds to the value the source work have the tast value used. Else this value corresponds to the value the source work have the tast value sent by the source. In particular, for SR2, this IE source and the RC SN roll over its taken care of by target based on value sent by the source. In particular, for SR2, this IE source and the RC SN roll over its taken care of the value sent by the source. In particular, for SR2, this IE should not take into account the RRC message after the construction of the IE SRNS, RELOCATION INFC/. Inc. Source and the last value used, its roll over its taken care of the last value used. >>Uplink RRC Message MP Integer (0 For each SR, this IE corresponds to the last value received on the case activation time value in the case activation time value in the case activation time value in the case activation time value is an origination the value equals (activation time value is an origination time value is an origination the value equals (activation time value is an origination time value equals (activation time va						configuration to be applied on	
Image: Second						this SRB have already been	
Image: Second						reached this IE corresponds to	
>>Uplie Source would have initialized the HPN to at the activation time. Increment of HPN due to RRC SN roll over is taken care of by taget based on the RRC message that will trigger the relocation. NOTE: In order to have the possibility of sending downlink. messages after the construction of the IE*SRNS. RELOCATION INFO". The source may choose a value abead of the last value used. >>Uplink RRC Message MP Integer (0. 15) For each SRB, this IE corresponds to the last value reached for a configuration the value equals (activation time - 1). >>Downlink RRC Message MP Integer (0. 15) For each SRB, this IE corresponds to the last value used. >>Downlink RRC Message MP Integer (0. 15) For each SRB, this IE corresponds to the last value used. >>Downlink RRC Message MP Integer (0. 15) For each SRB, this IE corresponds to the last value used or in the case activation time value equals (activation time - 1). >>Downlink RRC Message MP Integer (0. 15) For each SRB, this IE corresponds to the last value used or in the case activation time was not reached for a configuration the value equals (activation time -1). In particular, for SRB2, this IE should not take into account the RRC message that will trigger the relocation. NOTE: In order to have the construction of the last value used of inthe account the RRC message that will trigger the relocation. NOTE: In order to have the construction of the last value used, attered of the last value used, attere						the last value used. Else this	
						value corresponds to the value	
>>Uplink RRC Message MP Integer (0 15) For each SRB, this IE corresponds to the last value received or in the case activation time was not reached for a configuration time -1). In sequence number >>Uplink RRC Message MP Integer (0 15) For each SRB, this IE corresponds to the last value received or in the case activation time -1). In sequence number >>Downlink RRC Message MP Integer (0 15) For each SRB, this IE corresponds to the last value received or in the case activation time -1). In sequence number >>Downlink RRC Message MP Integer (0 15) For each SRB, this IE corresponds to the last value received or in the case activation time was not reached for a configuration the value equals (activation time - 1). In sequence number >>Downlink RRC Message MP Integer (0 15) For each SRB, this IE corresponds to the last value received or in the case activation time was not reached for a configuration time -1). In particular, for SRB2, this IE corresponds to the last value received or in the value equals (activation time -1). In particular, for SRB2, this IE should not take into account the RRC message that will trigger the relocation. NOTE: In order to have the possibility of sending downlink messages after the construction of the IE SRNS. RELOCATION INFO: the source may choose a value and after the accaution time was not reached for a configuration the set the construction of the IE SRNS. RELOCATION INFO: the source may choose a value and of the last value used. >Implementation specific parameters OP Bit string (1.512) CRNTI in 0.3.3.47 V-RNTI OP C-RNTI 10.3.3.4						the source would have	
Subject						initalized the HFN to at the	
>>Uplink RRC Message MP Integer (0 15) Secure in particular, for SRB2, this IE should not take into account the RRC message that will trigger the relocation. >>Uplink RRC Message MP Integer (0 15) For each SRB, this IE construction of the last value used. >>Downlink RRC Message MP Integer (0 15) For each SRB, this IE corresponds to the last value used. >>Downlink RRC Message MP Integer (0 15) For each SRB, this IE corresponds to the last value used. >>Downlink RRC Message MP Integer (0 15) For each SRB, this IE corresponds to the last value used. >>Downlink RRC Message MP Integer (0 15) For each SRB, this IE corresponds to the last value used. >>Downlink RRC Message MP Integer (0 15) For each SRB, this IE corresponds to the last value grade downlink me - 1). In garitudin, for SRB2, this IE corresponds to the last value quest or in the case activation time was not reached for a configuration the value equals (activation time - 1). In garitudint, for SRB2, this IE should not take into account the RRC message that will trigger the relocation. NOTE: In order to have the core start the into account the RRC message the relocation. NOTE: In order to have the core start the message start will trigger the relocation. >Implementation specific provide OP Bit string (1.512) ERC Los CartON INFO'. the source or value avalue avalue value						activation time. Increment of	
>-Uplink RRC Message MP Integer (0 For each SRB, this IE solution time value equals (activation time value equals (activation time value equals (activation time value))) >>Uplink RRC Message MP Integer (0 For each SRB, this IE construction of the last value equals (activation time value equals (activation time value))) >>Uplink RRC Message MP Integer (0 For each SRB, this IE construction time value used. >>Downlink RRC Message MP Integer (0 For each SRB, this IE corresponds to the last value received or in the case activation time value equals (activation time - 1). >>Downlink RRC Message MP Integer (0 For each SRB, this IE corresponds to the last value used or in the case activation time - 1). >>Downlink RRC Message MP Integer (0 For each SRB, this IE corresponds to the last value used or in the case activation time - 1). >>Downlink RRC Message MP Integer (0 For each SRB, this IE corresponds to the last value used or in the case activation time was not reached for a configuration the value equals (activation time - 1). >>Downlink RRC Message MP Integer (0 For each SRB, this IE corresponds to the last value used or in the case activation time was not reached for a configuration the value equals (activation time - 1). >>Downlink RRC Message MP Integer (0 For each SRB, this IE corresponds to the last value used. >= sequence number Integer (0 For each						HFN due to RRC SN roll over	
>-Uplink RRC Message MP Integer (0 For each SRB, this IE >>Uplink RRC Message MP Integer (0 For each SRB, this IE >>Uplink RRC Message MP Integer (0 For each SRB, this IE >>Uplink RRC Message MP Integer (0 For each SRB, this IE >>Uplink RRC Message MP Integer (0 For each SRB, this IE >>Uplink RRC Message MP Integer (0 For each SRB, this IE >>Downlink RRC Message MP Integer (0 For each SRB, this IE >>Downlink RRC Message MP Integer (0 For each SRB, this IE >>Downlink RRC Message MP Integer (0 For each SRB, this IE sequence number MP Integer (0 For each SRB, this IE >>Downlink RRC Message MP Integer (0 For each SRB, this IE sequence number Integer (0 For each SRB, this IE corresponds to the last value used or in the case activation time was not reached for a configuration the value equals (activation time -1). sequence number Integer (0 For each SRB, this IE sequence number Integer (0 For each SRB, this IE sequence number Integer (0 For each SRB, this IE sequence number Integer (0						is taken care of by target	
source. In particular, for SHB2, this IE should not take into account the RRC message that will trigger the relocation. NOTE: In order to have the construction of the IE "SRNS RELOCATION INFO". the sequence number >>Uplink RRC Message MP Integer (0 for each SR8, this IE corresponds to the last value used. For each SR8, this IE corresponds to the last value used. To reach SR8, this IE corresponds to the last value received or in the case activation time was not reached for a configuration the value equals (activation time - 1). >>Downlink RRC Message MP Integer (0 For each SR8, this IE corresponds to the last value received or in the case activation time was not reached for a configuration the value equals (activation time - 1). >>Downlink RRC Message MP Integer (0 For each SR8, this IE corresponds to the last value received or in the case activation time was not reached for a configuration the value equals (activation time - 1). >>Downlink RRC Message MP Integer (0 For each SR8, this IE corresponds to the last value used or the case activation time - 1). >>Downlink RRC Message MP Integer (0 For each SR8, this IE corresponds to the last value used or the case activation time - 1). >>Downlink RRC Message MP Integer (0 For each SR8, this IE corresponds to the last value used (activation time - 1). >>Downlink RRC Message MP Is for a configuration the value equals (activation time - 1). parameters						based on value sent by the	
Image: Second						source. In particular, for SRB2,	
>>Uplink RRC Message MP Integer (0 For each SRB, this IE >>Uplink RRC Message MP Integer (0 For each SRB, this IE >>Downlink RRC Message MP Integer (0 For each SRB, this IE >>Downlink RRC Message MP Integer (0 For each SRB, this IE >>Downlink RRC Message MP Integer (0 For each SRB, this IE >>Downlink RRC Message MP Integer (0 For each SRB, this IE >>Downlink RRC Message MP Integer (0 For each SRB, this IE >>Downlink RRC Message MP Integer (0 For each SRB, this IE >>Downlink RRC Message MP Integer (0 For each SRB, this IE corresponds to the last value reached for a configuration the value equals (activation time - 1). particular, for SRB2, this IE corresponds to the last value equals (activation time - 1). particular, for SRB2, this IE corresponds to the last value equals (activation time - 1). particular, for SRB2, this IE corresponds to the last value equals (activation time - 1). particular, for SRB2, this IE particular, for SRB2, this IE should take into account the RC message should be the time equals (activation time - 1). partequal t						this IE should not take into	
Image: sequence number MP Integer (0 15) For each SR8, this IE corresponds to the last value used, and the last value used, and the last value used, and the last value used, integer (0 15) >>Uplink RRC Message sequence number MP Integer (0 15) For each SR8, this IE corresponds to the last value received or in the case activation time vas not reached for a configuration the value equals (activation time - 1). >>Downlink RRC Message sequence number MP Integer (0 15) For each SR8, this IE corresponds to the last value used or in the case activation time vas not reached for a configuration the value equals (activation time - 1). >>Downlink RRC Message sequence number MP Integer (0 15) For each SR8, this IE corresponds to the last value used or in the case activation time was not reached for a configuration the value equals (activation time -1). In particular, for SR82, this IE should not take into account the RRC message that will trigger the relocation. NOTE: In order to have the possibility of sending downlink messages after the construction of the IE "SRNS, RELOCATION INFO", the source may choose a value ahead of the last value used, integer to relocation. >Implementation specific parameters OP Bit string (1512) RRC IES UE Information elements >U-RNTI MP U-RNTI 10.3.3.47 >C-RNTI OP C-RNTI 10.3.3.8	i					account the RRC message	
>>Uplink RRC Message MP Integer (0 15) For each SRB, this IE configuration the last value ahead of the last value anead of the last value anead of the last value anead of the last value anead of the last value received or in the case activation time was not reached for a configuration the value equals (activation time value received or in the case activation time was not reached for a configuration the value equals (activation time value used or in the case activation time was not reached for a configuration the value equals (activation time value used or in the case activation time was not reached for a configuration the value equals (activation time value used or in the case activation time was not reached for a configuration the value equals (activation time value equals (activation time value equals (activation time value used or in the case activation time was not reached for a configuration the value equals (activation time value equals (activation time value used or in the case activation time was not reached for a configuration the value equals (activation time -1). In particular, for SRB2, this IE should not take into account the RRC message that will trigger the relocation. NOTE: In order to have the possibility of sending downlink messages atter the construction of the IE "SRNS. RELOCATION INFO". the source may choose a value ahead of the last value used. >Implementation specific parameters OP Bit string (1512) G-RNTI is placed in this field when performing handover or cell reselection from GERAN lu mode.						that will trigger the relocation.	
>>Uplink RRC Message MP Integer (0 15) For each SRB, this IE corresponds to the last value used. >>Downlink RRC Message MP Integer (0 15) For each SRB, this IE corresponds to the last value received or in the case activation time was not reached for a configuration the value equals (activation time - 1). >>Downlink RRC Message MP Integer (0 15) For each SRB, this IE corresponds to the last value used or in the case activation time - 1). >>Downlink RRC Message MP Integer (0 15) For each SRB, this IE corresponds to the last value used or in the case activation time was not reached for a configuration the value equals (activation time -1). In particular, for SRB, this IE should not take into account the RRC message that will trigger the relocation. >Implementation specific parameters OP Bit string (1512) RRC IEs U-RNTI G-RNTI is placed in this field when performing handover or cell reselection from GERAN <i>W</i> ment of the station of the station to the station of the station of the station of the s						NOTE: In order to have the	
>-Uplink RRC Message MP Integer (0 For each SRB, this IE configuration the case activation time was not reached for a configuration the value equals (activation time was not reached for a configuration the value equals (activation time was not reached for a configuration the value equals (activation time was not reached for a configuration the value equals (activation time was not reached for a configuration the value equals (activation time was not reached for a configuration the value equals (activation time was not reached for a configuration the value equals (activation time was not reached for a configuration the value equals (activation time was not reached for a configuration the value equals (activation time was not reached for a configuration the value equals (activation time value equals (activat						possibility of sending downlink	
>>Uplink RRC Message MP Integer (0 For each SRB, this IE corresponds to the last value used, interaction time was not reached for a configuration the value equals (activation time - 1). >>Downlink RRC Message MP Integer (0 15) For each SRB, this IE corresponds to the last value reached for a configuration the value equals (activation time - 1). >>Downlink RRC Message sequence number MP Integer (0 15) For each SRB, this IE corresponds to the last value used or in the case activation time was not reached for a configuration the value equals (activation time -1). In particular, for SRB2, this IE should not take into account the RRC message that will trigger the relocation. NOTE: In order to have the possibility of sending downlink, messages after the construction of the IE 'SRNS, RELOCATION INFO', the source may choose a value ahead of the last value used. >Implementation specific parameters OP Bit string (1.512) RRC IES UE Information elements >U-RNTI MP U-RNTI 10.3.3.47						messages after the	
>>Uplink RRC Message MP Integer (0 For each SRB, this IE corresponds to the last value used, and of the last value used, is equence number >>Downlink RRC Message MP Integer (0 For each SRB, this IE corresponds to the last value received or in the case activation time was not reached for a configuration the value equals (activation time value equals (activation time - 1). >>Downlink RRC Message MP Integer (0 For each SRB, this IE corresponds to the last value used or in the case activation time was not reached for a configuration the value equals (activation time - 1). >>Downlink RRC Message MP Integer (0 For each SRB, this IE corresponds to the last value used or in the case activation time was not reached for a configuration the value equals (activation time - 1). sequence number 15) For each SRB, this IE should not take into account time was not reached for a configuration the value equals (activation time - 1). sequence number 15) Sequence number NP 15) Integer (0 For each SRB, this IE should not take into account the RC message that will trigger the relocation. NDTE: In order to have the constitution of the IE 'SRNS RELOCATION INFO', the source may choese a value anead of the last value used. >Implementation specific parameters 0P Eit string (1512) RRC IEs UE Information elements OP >U-RNTI MP U-RNTI 10.3.3.47 >C-RNTI OP C-RNTI						construction of the IE "SRNS	
>>Uplink RRC Message sequence number MP Integer (0 15) For each SRB, this IE corresponds to the last value received or in the case activation time was not reached for a configuration the value equals (activation time - 1). >>Downlink RRC Message sequence number MP Integer (0 15) For each SRB, this IE corresponds to the last value received or a configuration the value equals (activation time - 1). >>Downlink RRC Message sequence number MP Integer (0 15) For each SRB, this IE corresponds to the last value used or in the case activation time was not reached for a configuration the value equals (activation time -1). In particular, for SRB2, this IE should not take into account the RRC message that will trigger the relocation. NOTE: In order to have the possibility of sending downlink, messages after the construction of the IE "SRNS_ RELOCATION INFO", the source may choose a value ahead of the last value used, >Implementation specific parameters OP Bit string (1512) G-RNTI is placed in this field when performing handover or cell reselection from GERAN <i>Iu mode.</i>						RELOCATION INFO", the	
>>Uplink RRC Message sequence number MP Integer (0 15) For each SRB, this IE corresponds to the last value received or in the case activation time was not reached for a configuration the value equals (activation time - 1). >>Downlink RRC Message sequence number MP Integer (0 15) For each SRB, this IE corresponds to the last value received or in the case activation time was not reached for a configuration the value equals (activation time - 1). >>Downlink RRC Message sequence number MP Integer (0 15) For each SRB, this IE corresponds to the last value used or in the case activation time was not reached for a configuration the value equals (activation time -1). In particular, for SRB2, this IE should not take into account the RRC message that will trigger the relocation. NOTE: In order to have the possibility of sending downlink messages after the construction of the IE "SRNS. RELOCATION INFO", the source may choose a value ahead of the last value used. >Implementation specific parameters OP Bit string (1512) G-RNTI is placed in this field when performing handover or cell reselection from GERAN <i>Lu mode.</i>						source may choose a value	
>>Uplink RRC Message sequence number MP Integer (0 For each SRB, this IE corresponds to the last value received or in the case activation time was not reached for a configuration the value equals (activation time - 1). >>Downlink RRC Message sequence number MP Integer (0 For each SRB, this IE corresponds to the last value used or in the case activation time was not reached for a configuration the value equals (activation time -1). >>Downlink RRC Message sequence number MP Integer (0 For each SRB, this IE corresponds to the last value used or in the case activation time was not reached for a configuration the value equals (activation time -1). In particular, for SRB2, this IE should not take into account the RRC message that will trigger the relocation. NOTE: In order to have the possibility of sending downlink, messages after the construction of the IE "SRNS RELOCATION INFO", the source may choose a value ahead of the last value used, >Implementation specific parameters OP Bit string (1512) G-RNTI is placed in this field when performing handover or cell reselection from GERAN <i>Ju mode</i> . >C-RNTI OP C-RNTI 10.3.3.47 G-RNTI is placed in this field when performing handover or cell reselection from GERAN <i>Ju mode</i> .						ahead of the last value used.	
sequence number 15) corresponds to the last value received or in the case activation time was not reached for a configuration the value equals (activation time - 1). >>Downlink RRC Message sequence number MP Integer (0 15) For each SRB, this IE corresponds to the last value used or in the case activation time was not reached for a configuration the value equals (activation time -1). In particular, for SRB2, this IE should not take into account the RRC message that will trigger the relocation. >Implementation specific parameters OP Bit string parameters >URNTI MP U-RNTI 10.3.3.47 >C-RNTI OP C-RNTI 10.3.3.47		>>Uplink RRC Message	MP		Integer (0	For each SRB, this IE	
>>Downlink RRC Message MP Integer (015) For each SRB, this IE corresponds to the last value used or in the case activation time value equals (activation time -1). In particular, for SRB2, this IE should not take into account the RRC message that will trigger the relocation. NOTE: In order to have the possibility of sending downlink messages after the construction of the IE "SRNS RELOCATION INFO", the source may choose a value ahead of the last value used. >Implementation specific parameters OP Bit string (1512) RRC IEs UE Information elements >U-RNTI MP U-RNTI 10.33.8		sequence number			15)	corresponds to the last value	
>>Downlink RRC Message MP Integer (0 For each SRB, this IE corresponds to the last value used or in the case activation time was not reached for a configuration the value equals (activation time - 1). >>Downlink RRC Message MP Integer (0 For each SRB, this IE corresponds to the last value used or in the case activation time was not reached for a configuration the value equals (activation time - 1). In particular, for SRB2, this IE should not take into account the RRC message that will trigger the relocation. NOTE: In order to have the possibility of sending downlink messages after the construction of the IE 'SRNS RELOCATION INFO''. the source may choose a value ahead of the last value used. >Implementation specific parameters OP Bit string (1512) RRC IEs UE Information elements >U-RNTI MP U-RNTI 10.33.8 >C-RNTI OP C-RNTI						received or in the case	
>>Downlink RRC Message MP Integer (0 For each SRB, this IE sequence number 15) For each SRB, this IE corresponds to the last value used or in the case activation time was not reached for a configuration the value equals (activation time value equals (activation time value equals (activation the value equals equals (activatine the RC Catino) INPC, the equals (activation the the e						activation time was not	
>>Downlink RRC Message sequence number MP Integer (0 15) For each SRB, this IE corresponds to the last value used or in the case activation time was not reached for a configuration the value equals (activation time -1). In particular, for SRB2, this IE should not take into account the RRC message that will trigger the relocation. NOTE: In order to have the possibility of sending downlink, messages after the construction of the IE "SRNS RELOCATION INFO", the source may choose a value ahead of the last value used. >Implementation specific parameters OP Bit string (1512) G-RNTI is placed in this field when performing handover or cell reselection from GERAN <i>Iu mode.</i> >C-RNTI OP C-RNTI 10.3.3.8 G-RNTI is placed in this field when performing handover or cell reselection from GERAN <i>Iu mode.</i>						reached for a configuration the	
>>Downlink RRC Message sequence number MP Integer (0 For each SRB, this IE corresponds to the last value used or in the case activation time was not reached for a configuration the value equals (activation time -1). In particular, for SRB2, this IE should not take into account the RRC message that will trigger the relocation. NOTE: In order to have the possibility of sending downlink. messages after the construction of the IE "SRNS RELOCATION INFO". the source may choose a value ahead of the last value used. >Implementation specific parameters OP Bit string (1512) RRC IEs UE Information elements >U-RNTI MP U-RNTI 10.3.3.47 >C-RNTI OP						value equals (activation time -	
>>Downlink RRC Message sequence number MP Integer (0 15) For each SRB, this IE corresponds to the last value used or in the case activation time was not reached for a configuration the value equals (activation time -1). In particular, for SRB2, this IE should not take into account the RRC message that will trigger the relocation. NOTE: In order to have the possibility of sending downlink, messages after the construction of the IE "SRNS. RELOCATION INFO", the source may choose a value ahead of the last value used. >Implementation specific parameters OP Bit string (1512) RRC IES U-RNTI >U-RNTI MP U-RNTI 10.3.3.47 >C-RNTI OP C-RNTI OP						1).	
sequence number 15) corresponds to the last value used or in the case activation time was not reached for a configuration the value equals (activation time +1). In particular, for SRE2, this IE should not take into account the RRC message that will trigger the relocation. NOTE: In order to have the possibility of sending downlink messages after the construction of the IE "SRNS RELOCATION INFO", the source may choose a value ahead of the last value used. >Implementation specific parameters OP Bit string (1.512) RRC IEs UE Information elements >U-RNTI MP U-RNTI 10.3.3.47 SC-RNTI OP C-RNTI 10.3.3.4		>>Downlink RRC Message	MP		Integer (0	For each SRB, this IE	
Image: second		sequence number			15)	corresponds to the last value	
Image: state of the state						used or in the case activation	
Image: space spac						time was not reached for a	
Image: space spac						configuration the value equals	
Image: state of the state						(activation time -1). In	
Image: should not take into account the RRC message that will trigger the relocation. NOTE: In order to have the possibility of sending downlink. messages after the construction of the IE "SRNS RELOCATION INFO", the source may choose a value ahead of the last value used. >Implementation specific parameters OP Bit string (1512) RRC IEs Image: specific parameters OP UE Information elements Image: specific parameters Image: specific parameters >U-RNTI MP U-RNTI 10.3.3.47 G-RNTI is placed in this field when performing handover or cell reselection from GERAN lu mode. >C-RNTI OP C-RNTI 10.3.3.8 Image: specific parameter of the specific parameters						particular, for SRB2, this IE	
Image: space of the space						should not take into account	
Image: string parameters OP Bit string parameters Image: string parameters RRC IEs Image: string parameters Image: string parameters Image: string parameters >U-RNTI MP U-RNTI G-RNTI is placed in this field when performing handover or cell reselection from GERAN lu mode. >C-RNTI OP C-RNTI Image: string parameters >C-RNTI OP Image: string parameters Image: string parameters Image: string parameters Image: string parameters RRC IEs Image: string parameters Image: string parameters >U-RNTI Image: string parameters Image: string parameters >U-RNTI Image: string parameters Image: string parameters >U-RNTI Image: string parameters Image: string parameters Image: string parameters Image: string parameters Image: string parameters						the RRC message that will	
NOTE: In order to have the possibility of sending downlink. messages after the construction of the IE "SRNS RELOCATION INFO", the source may choose a value ahead of the last value used. >Implementation specific parameters OP Bit string (1512) RRC IEs Implementation elements Implementation elements >U-RNTI MP U-RNTI 10.3.3.47 G-RNTI is placed in this field when performing handover or cell reselection from GERAN <i>Iu mode</i> . >C-RNTI OP C-RNTI 10.3.3.8 Implementation from GERAN <i>Iu mode</i> .						trigger the relocation.	
Image: space spac						NOTE: In order to have the	
Image: Second system Image: Second system <td></td> <td></td> <td></td> <td></td> <td></td> <td>possibility of sending downlink</td> <td></td>						possibility of sending downlink	
Implementation specific parameters OP Bit string (1512) RRC les Implementation elements VI-RNTI MP U-RNTI G-RNTI is placed in this field when performing handover or cell reselection from GERAN lu mode. >C-RNTI OP C-RNTI C-RNTI C-RNTI						messages after the	
Implementation specific parameters OP Bit string (1512) RRC IEs Implementation elements Implementation elements UE Information elements Implementation elements Implementation elements >U-RNTI MP U-RNTI U-RNTI 10.3.3.47 G-RNTI is placed in this field when performing handover or cell reselection from GERAN lu mode. >C-RNTI OP C-RNTI 10.3.3.8 Implementation elements						construction of the IE "SRNS	
Implementation specific parameters OP Bit string (1512) RRC IEs Implementation elements Implementation elements UE Information elements Implementation elements Implementation elements >U-RNTI MP U-RNTI G-RNTI is placed in this field when performing handover or cell reselection from GERAN lu mode. >C-RNTI OP C-RNTI Implementation elements						RELOCATION INFO", the	
Implementation specific parameters OP Bit string (1512) RRC IEs Implementation elements Implementation elements UE Information elements Implementation elements Implementation elements >U-RNTI MP U-RNTI G-RNTI is placed in this field when performing handover or cell reselection from GERAN lu mode. >C-RNTI OP C-RNTI 10.3.3.8						source may choose a value	
>Implementation specific parameters OP Bit string (1512) RRC IEs Implementation elements Implementation elements Implementation elements >U-RNTI MP U-RNTI G-RNTI is placed in this field when performing handover or cell reselection from GERAN <i>Iu mode.</i> >C-RNTI OP C-RNTI 10.3.3.8						ahead of the last value used.	
parameters (1512) RRC IEs Image: constraint of the second s	•	>Implementation specific	OP		Bit string		
RRC IEs UE Information elements U >U-RNTI MP U-RNTI G-RNTI is placed in this field >U-RNTI MP U-RNTI G-RNTI is placed in this field >C-RNTI OP C-RNTI Iu mode. >C-RNTI OP C-RNTI 10.3.3.8		parameters			(1512)		
UE Information elements U-RNTI G-RNTI is placed in this field >U-RNTI MP U-RNTI G-RNTI is placed in this field 10.3.3.47 when performing handover or cell reselection from GERAN lu mode. >C-RNTI OP C-RNTI 10.3.3.8 10.3.3.8		RRC IEs			, , , , , , , , , , , , , , , , , , ,		
>U-RNTI MP U-RNTI 10.3.3.47 G-RNTI is placed in this field when performing handover or cell reselection from GERAN <i>Ju mode.</i> >C-RNTI OP C-RNTI 10.3.3.8		UE Information elements					
>C-RNTI OP C-RNTI 10.3.3.47 when performing handover or cell reselection from GERAN >C-RNTI OP C-RNTI 10.3.3.8 10.3.3.8		>U-RNTI	MP		U-RNTI	G-RNTL is placed in this field	1
>C-RNTI OP C-RNTI 10.3.3.8					10 3 3 47	when performing handover or	
>C-RNTI OP C-RNTI 10.3.3.8					10.0.0.77	cell reselection from GERAN	
>C-RNTI OP C-RNTI 10.3.3.8						lu mode	
			OP				
					10.3.3.8		

Information Element/Group	Need	Multi	Type and	Semantics description	Version
			reference		
>UE radio access Capability	MP		UE radio		
			access		
			capability		
LUE verdie en en en ek litte			10.3.3.42		
>UE radio access capability	OP		UE radio		
extension			access		
			capability		
			10.3.3.428		
>Last known UE position			Interer	Time when position was	
>>SFN	MP		Integer	Time when position was	
0-1110			(04095)	estimated	
>>Cell ID	MP			indicates the cell, the SFIN is	
			10.3.2.2		
>>CHOICE Position estimate	MP		Filingsid		
>>>EIIIpsoid Point			Ellipsoid		
			Point;		
Ellin e statue statue itte			10.3.8.4a		
>>>Ellipsoid point with			Ellipsoid		
uncertainty circle			point with		
			uncertainty		
			10.3.6.40		
>>>Ellipsoid point with			Ellipsoid		
uncertainty empse			point with		
			ollingo		
>>>Ellipsoid point with altitude			Fillipsoid		
			Doint with		
			altitude		
			10.3.8.4b		
>>>Fllipsoid point with altitude			Fllipsoid		
and uncertainty ellipsoid			point with		
			altitude and		
			uncertainty		
			ellipsoid		
			10.3.8.4c		
>UE Specific Behaviour	OP		UE Specific	This IE should be included if	
Information 1 idle			Behaviour	received via the "INTER RAT	
			Information	HANDOVER INFO", the "RRC	
			idle 1	CONNECTION REQUEST",	
			10.3.3.51	the IE "SRNS RELOCATION	
				INFO" or the "Inter RAT	
				Handover Info with Inter RAT	
				Capabilities"	
>UE Specific Behaviour	OP		UE Specific	This IE should be included if	
Information 1 interRAT			Behaviour	received via the "INTER RAT	
			Information 1	HANDOVER INFO", the "RRC	
			interRAT	CONNECTION REQUEST",	
			10.3.3.52	the IE "SRNS RELOCATION	
				INFO" or the "Inter RAT	
	1	1		Handover Info with Inter RAT	
				Capabilities"	
Other Information elements					
>UE system specific capability	UN I	1 to			
	1	<maxsyste< td=""><td></td><td></td><td></td></maxsyste<>			
	1	mCapabilit			
		y>			
>>Inter-RAT UE radio access	MP	1	Inter-RAT		
capability		1	UE radio		
	1	1	access		
			10.3.8.7		

Information Element/Group	Need	Multi	Type and	Semantics description	Version
Name			reference		
UTRAN Mobility Information					
elements					
>URA Identilier	OP				
CN Information Elements			10.0.2.0		
>CN common GSM-MAP NAS	MP		NAS system		
system information			information		
			(GSM-MAP)		
			10.3.1.9		
>CN domain related information	OP	1 to		CN related information to be	
		<maxcndo< td=""><td></td><td>provided for each CN domain</td><td></td></maxcndo<>		provided for each CN domain	
>> CN domain identity	MD	mains>			
>>CN domain specific GSM-	MP		NAS system		
MAP NAS system info			information		
			(GSM-MAP)		
			10.3.1.9		
>>CN domain specific DRX	MP		CN domain		
cycle length coefficient			specific DRX		
			cycle length		
			coefficient,		
Maggurgmont Deleted			10.3.3.6		
Information elements					
>For each ongoing	OP	1 to			
measurement reporting		<maxnoof< td=""><td></td><td></td><td></td></maxnoof<>			
>> Magguramont Identity	MD	Meas>	Magguraman		
>>weasurement identity			t identity		
			10.3.7.48		
>>Measurement Command	MP		Measuremen		
			t command		
			10.3.7.46		
>>Measurement Type	CV-Setup		Measuremen		
			t type		
>>Moscuroment Reporting			10.3.7.50 Moosuromon		
Mode	01		t reporting		
Mode			mode		
			10.3.7.49		
>>Additional Measurements list	OP		Additional		
			measuremen		
			ts list		
			10.3.7.1		
>>CHOICE Measurement					
>>>Intra-frequency cell info	OP		Intra-		
			frequency		
			cell info list		
			10.3.7.33		
>>>>Intra-frequency	OP		Intra-		
measurement			frequency		
quantity			measuremen		
			10.3.7.38		
>>>Intra-frequency reporting	OP	1	Intra-		
quantity			frequency		
			reporting		
			quantity		
Depending and the first			10.3.7.41		
>>>keporting cell status			Reporting		
>>>Measurement validity	OP	1	Measuremen		1
			t validity		

Information Element/Group	Need	Multi	Type and	Semantics description	Version
Name			reference		
			10.3.7.51		
>>>>CHOICE report criteria	OP		Intro		
>>>>Initia-frequency			frequency		
reporting criteria			measuremen		
reporting entena			t reporting		
			criteria		
			10.3.7.39		
>>>>Periodical reporting			Periodical		
			reporting		
			criteria		
			10.3.7.53		
>>>>No reporting			NULL		
>>>Inter-frequency					
>>>>Inter-frequency cell info	OP		Inter-		
			frequency		
>>>>Inter-frequency	OP		10.3.7.13		
measurement	01		frequency		
quantity			measuremen		
quantity			t quantity		
			10.3.7.18		
>>>>Inter-frequency reporting	OP		Inter-		
quantity			frequency		
			reporting		
			quantity		
			10.3.7.21		
>>>>Reporting cell status	OP		Reporting		
			cell status		
			10.3.7.61		
>>>>imeasurement validity	OP		weasuremen		
			10 3 7 51		
>>>>Inter-frequency set undate	OP		Inter-		
			frequency		
			set update		
			10.3.7.22		
>>>>CHOICE report criteria	OP				
>>>>Intra-frequency			Intra-		
measurement reporting criteria			frequency		
			measuremen		
			t reporting		
			criteria		
>>>> Inter frequency			10.3.7.39		
>>>>inter-frequency			frequency		
reporting criteria			measuremen		
			t reporting		
			criteria		
			10.3.7.19		
>>>>Periodical reporting			Periodical		
			reporting		
			criteria		1
			10.3.7.53		l
>>>>No reporting			NULL		
>>>Inter-KAI			Intor DAT		
>>>>Inter-KA1 Cell INTO			Inter-KAI		1
					1
>>>>Inter-RAT measurement	OP		Inter-RAT		1
quantity			measuremen		
			t quantity		1
			10.3.7.29		
>>>Inter-RAT reporting	OP		Inter-RAT		1

Information Element/Group	Need	Multi	Type and	Semantics description	Version
Name			reference		
quantity			reporting		
			quantity		
A A A A Departing call status			10.3.7.32 Departing		
>>>Reporting cell status	OP		coll status		
>>>>Measurement validity	OP		Measuremen		
	0.		t validity		
			10.3.7.51		
>>>>CHOICE report criteria	OP				
>>>>Inter-RAT measurement			Inter-RAT		
reporting criteria			measuremen		
			t reporting		
			criteria		
A A A A Deriodical reporting			10.3.7.30 Deriodical		
>>>>Periodical reporting			reporting		
			criteria		
			10.3.7.53		
>>>>No reporting			NULL		
>>>Traffic Volume					
>>>>Traffic volume	OP		Traffic		
measurement			volume		
Object			measuremen		
			t object		
			10.3.7.70		
>>>>Traffic volume	OP		Traffic		
measurement			volume		
quantity			measuremen		
			10.3.7.71		
>>>>Traffic volume reporting	OP		Traffic		
quantity			volume		
			reporting		
			quantity		
			10.3.7.74		
>>>>Measurement validity	OP		Measuremen		
			t validity		
			10.3.7.51		
	UP		Troffic		
measurement			volume		
reporting criteria			measuremen		
			t reporting		
			criteria		
			10.3.7.72		
>>>>Periodical reporting			Periodical		
			reporting		
			criteria		
			10.3.7.53		
>>>>No reporting			NULL		
	OP		Quality		
quantity			measuremen		
quantity			t quantity		
			10.3.7.59		
>>>>CHOICE report criteria	OP				
>>>>Quality measurement			Quality		
reporting criteria			measuremen		
			t reporting		
			criteria		
>>>> Doriginal reporting			TU.3.7.58		
			renouting		
			criteria		

Information Element/Group	Need	Multi	Type and	Semantics description	Version
Name			reference		
			10.3.7.53		
>>>>No reporting			NULL		
>>>UE Internal			LIE internal		
>>>UE Internal measurement	OP		UE Internal		
quantity			t quantity		
			10.3.7.79		
>>>UE internal reporting	OP		UE internal		
quantity	•••		reporting		
			quantity		
			10.3.7.82		
>>>>CHOICE report criteria	OP				
>>>>UE internal measurement			UE internal		
reporting criteria			measuremen		
			t reporting		
>>>> Poriodical reporting			Poriodical		
			reporting		
			criteria		
			10.3.7.53		
>>>>No reporting			NULL		
>>>UE positioning					
>>>>LCS reporting quantity	OP		LCS		
			reporting		
			quantity		
0110105			10.3.7.111		
>>>>CHOICE report criteria	OP		1.00		
>>>>LCS reporting criteria			LCS		
			criteria		
			10.3.7.110		
>>>>Periodical reporting			Periodical		
			reporting		
			criteria		
			10.3.7.53		
>>>>No reporting					
Radio Bearer Information					
Elements					
>Predefined configuration status	OP		Predefined		
information			configuration		
			information		
			10.3.4.5a		
>Signalling RB information list	MP	1 to	10.01.1.04	For each signalling radio	
		<maxsrbs< td=""><td></td><td>bearer</td><td></td></maxsrbs<>		bearer	
		etup>			
>>Signalling RB information	MP		Signalling		
			RB		
			information		
			to setup		
> BAB information list		1 to	10.3.4.24	Information for each RAR	
		r ιυ ∠maxR∆Re			
		etup>			
>>RAB information	MP		RAB		1
			information		
			to setup		
	L		10.3.4.10		
Transport Channel					
Information Elements					
Uplink transport channels					
>UL Transport channel					
transport chappele			information		
			inionnauon	l	1

Information Element/Group	p Need Multi		Type and	Semantics description	Version
Name			common for all transport channels 10.3.5.24		
>UL transport channel information list	OP	1 to <maxtrch ></maxtrch 			
>>UL transport channel information	MP		Added or reconfigured UL TrCH information 10.3.5.2		
>CHOICE mode	OP				
>>FDD					
>>>CPCH set ID	OP		CPCH set ID 10.3.5.5		
>>>Transport channel information for DRAC list	OP	1 to <maxtrch ></maxtrch 			
>>>>DRAC static information	MP		DRAC static information 10.3.5.7		
>>TDD				(no data)	
Downlink transport channels					
>DL Transport channel information common for all transport channels	OP		DL Transport channel information common for all transport channels 10.3.5.6		
>DL transport channel information list	OP	1 to <maxtrch ></maxtrch 			
>>DL transport channel information	MP		Added or reconfigured DL TrCH information 10.3.5.1		

Information Element/Group	Need	Multi	Type and	Semantics description	Version
PhyCH information elements			Tererence		
>TPC Combination Info list	OP	1 to			
		<maxrl></maxrl>			
>>Primary CPICH info	MP		Primary CPICH info 10.3.6.60		
>>TPC combination index	MP		TPC combination index 10.3.6.85		
>Transmission gap pattern sequence	OP	1 to <maxtgp S></maxtgp 			REL-5
>>TGPSI	MP		TGPSI 10.3.6.82		
>> Current TGPS Status Flag	MP		Enumerated(active, inactive)	This flag indicates the current status of the Transmission Gap Pattern Sequence, whether it is active or inactive	
>>TGCFN	CV-Active		Integer (0255)	Connection Frame Number of the latest past frame of the first pattern within the Transmission Gap Pattern Sequence.	
>>Transmission gap pattern sequence configuration parameters	OP				
>>>TGMP	MP		Enumerated(TDD measuremen t, FDD measuremen t, GSM carrier RSSI measuremen t, GSM Initial BSIC identification, GSM BSIC re- confirmation, Multi-carrier measuremen t)	Transmission Gap pattern sequence Measurement Purpose.	
>>>TGPRC	MP		Integer (1511, Infinity)	The number of remaining transmission gap patterns within the Transmission Gap Pattern Sequence.	
>>>TGSN	MP		Integer (014)	Transmission Gap Starting Slot Number The slot number of the first transmission gap slot within the TGCFN.	
>>>1GL1	MP		integer(114	Transmission Gap within the	

Information Element/Group Name	formation Element/Group Need Mu		Type and reference	Semantics description	Version
)	transmission gap pattern expressed in number of slots	
>>>TGL2	MD		Integer (114)	The length of the second Transmission Gap within the transmission gap pattern. If omitted, then TGL2=TGL1. The value of TGL2 shall be	
				"undefined"	
>>>TGD	MP		Integer(152 69, undefined)	Transmission gap distance indicates the number of slots between starting slots of two consecutive transmission gaps within a transmission gap pattern. If there is only one transmission gap in the transmission gap pattern, this parameter shall be set to undefined.	
>>>TGPL1	MP		Integer (1144)	The duration of transmission gap pattern 1.	
>>>TGPL2	MD		Integer (1144)	The duration of transmission gap pattern 2. If omitted, then TGPL2=TGPL1.	
>>>RPP	MP		Enumerated (mode 0, mode 1).	Recovery Period Power control mode during the frame after the transmission gap within the compressed frame. Indicates whether normal PC mode or compressed PC mode is applied	
>>>ITP	MP		Enumerated (mode 0, mode 1).	Initial Transmit Power is the uplink power control method to be used to compute the initial transmit power after the compressed mode gap.	
>>>CHOICE UL/DL mode	MP				
>>>>DL only				Compressed mode used in DL only	
>>>>Downlink compressed mode method	MP		Enumerated (puncturing, SF/2, higher layer scheduling)	Method for generating downlink compressed mode gap	
>>>>UL only				Compressed mode used in UL only	
>>>>Uplink compressed mode method	MP		Enumerated (SF/2, higher layer	Method for generating uplink compressed mode gap	

Information Element/Group	Need Multi Type and		Semantics description	Version	
Nume			scheduling)		
>>>>UL and DL				Compressed mode used in UL and DL	
>>>>Downlink compressed mode method	MP		Enumerated (puncturing, SF/2, higher layer scheduling)	Method for generating downlink compressed mode gap	
>>>>Uplink compressed mode method	MP		Enumerated (SF/2, higher layer scheduling)	Method for generating uplink compressed mode gap	
>>>Downlink frame type	MP		Enumerated (A, B)		
>>>DeltaSIR1	MP		Real(03 by step of 0.1)	Delta in DL SIR target value to be set in the UE during the frame containing the start of the first transmission gap in the transmission gap pattern (without including the effect of the bit-rate increase)	
>>>DeltaSIRafter1	MP		Real(03 by step of 0.1)	Delta in DL SIR target value to be set in the UE one frame after the frame containing the start of the first transmission gap in the transmission gap pattern.	
>>>DeltaSIR2	OP		Real(03 by step of 0.1)	Delta in DL SIR target value to be set in the UE during the frame containing the start of the second transmission gap in the transmission gap pattern (without including the effect of the bit-rate increase) When omitted, DeltaSIR2 = DeltaSIR1.	
>>>DeltaSIRafter2	OP		Real(03 by step of 0.1)	Delta in DL SIR target value to be set in the UE one frame after the frame containing the start of the second transmission gap in the transmission gap pattern. When omitted, DeltaSIRafter2 = DeltaSIRafter1.	
>>>N Identify abort	CV-Initial BSIC		Integer(112 8)	Indicates the maximum number of repeats of patterns that the UE shall use to attempt to decode the unknown BSIC of the GSM cell in the initial BSIC identification procedure	

Information Element/Group Name	Need	Multi	Type and reference	Semantics description	Version
>>>T Reconfirm abort	CV-Re- confirm BSIC		Real(0.510. 0 by step of 0.5)	Indicates the maximum time allowed for the re-confirmation of the BSIC of one GSM cell in the BSIC re-confirmation	
				procedure. The time is given in steps of 0.5 seconds.	
>Scrambling Code Change List	CH- <i>SF/</i> 2	1 to <maxrl></maxrl>			REL-5
>>Primary CPICH info	MP		Primary CPICH info 10.3.6.60		
>>Scrambling code change	MP		Enumerated (code change, no code change)	Indicates whether the alternative scrambling code is used for compressed mode method 'SF/2'.	
Other Information elements					
>Measurement report	OP		MEASUREM ENT REPORT 10.2.1.9		
>Failure cause	OP		Failure cause 10.3.3.13	Diagnostics information related to an earlier SRNC Relocation request (see NOTE 2 in 14.12.0a)	
>Protocol error information	CV-ProtErr		Protocol error information 10.3.8.12		

Multi Bound	Explanation
MaxNoOfMeas	Maximum number of active measurements, upper
	limit 16

Condition	Explanation
Setup	The IE is mandatory present when the IE Measurement command has the value "Setup", otherwise the IE is not needed.
Ciphering	The IE is mandatory present when the IE Ciphering Status has the value "started" and the ciphering counters need not be reinitialised, otherwise the IE is not needed.
IP	The IE is mandatory present when the IE Integrity protection status has the value "started" and the integrity protection counters need not be reinitialised, otherwise the IE is not needed.
ProtErr	This IE is mandatory present if the IE "Protocol error indicator" is included and has the value "TRUE". Otherwise it is not needed.
SRB1	The IE is mandatory present for RB1. Otherwise it is not needed.
Active	This IE is mandatory present when the value of the IE "Current TGPS Status Flag" is "Active" and not needed otherwise.
Initial BSIC	This IE is mandatory present when the value of the IE "TGMP" is set to "GSM Initial BSIC identification" and not needed otherwise.
Re-confirm BSIC	This IE is mandatory present when the value of the IE "TGMP" is set to "GSM BSIC re-confirmation" and not needed otherwise.
SF/2	The IE is mandatory present if the IE "Transmission Gap Pattern Sequence" is included and has the value "SF/2" as the compressed mode method, and already sent the UE the IE "Scrambling Code Change" for each RL in the active set. Otherwise the IE is not needed.

3GPP TSG-RAN WG2 Meeting #46 Sophia Antipolis, France, 10 – 14 January 2005

Tdoc **#***R2-050255*

											С	R-Form-v7.1
CHANGE REQUEST												
ж	25	<mark>.331</mark>	CR	2501	жrev	-	ж	Current	versic	^{on:} 6	6.4.0	ж
For <u>HELP</u> on using this form, see bottom of this page or look at the pop-up text over the \Re symbols.												
Proposed change affects: UICC apps# ME Radio Access Network X Core Network									twork			
Title:	₩ Inte	egrity p	orotecti	on related info	ormation i	n the	SRN	IS reloca	tion in	fo		
Source:	₩ <mark>RA</mark>	<mark>N WG</mark>	2									
Work item code:	₩ TE	15						Date	e: Ж	10/01	/2005	
Category: # A Release: # Rel-6 Use one of the following categories: F (correction) Use one of the following releases: Ph2 (GSM Phase 2) A (corresponds to a correction in an earlier release) B (addition of feature), R96 (Release 1996) B (addition of feature), C (functional modification of feature) R97 (Release 1997) D (editorial modification) R99 (Release 1999) Detailed explanations of the above categories can be found in 3GPP TR 21.900. Rel-5 (Release 6) Rel-6 (Release 7) Rel-7 (Release 7)							eases:					
Reason for chang	уе: Ж	A SF SC be	Source B4 ev ource R able to	RNC may be en after having NC to Target o send downling	required g set the RNC Train nk messa	to se SRNS nspar ges a	nd do S Rel ent C	ownlink n ocation l Container he const	nessa nfo ind IE. T ruction	ges or cluded herefo	n SRB3 I in the F pre, If it y e contai	and RANAP wants to ner

	SRB4 even after having set the SRNS Relocation Info included in the RANAP Source RNC to Target RNC Transparent Container IE. Therefore, If it wants to be able to send downlink messages after the construction of the container without causing integrity desynchronisation, the Source RNC has to "anticipate" when setting the DL COUNT-I of SRB3 and SRB4 (i.e. DL RRC HFN and DL RRC Message Sequence Number) in the container. The Semantic description of the IEs "Downlink RRC HFN" and "Downlink RRC MSN" in the "SRNS Relocation Info" need to be clarify has it could be understood that the source RNC cannot make such an "anticipation".
Summary of change: ℜ	A note is added to clarify that the Source RNC is allowed to "anticipate" for the sending of DL messages after the construction of the container.
Consequences if % not approved:	Isolated impact analysis: The CR has isolated impact to SRNS relocation.
	This CR has no impact to the UE.
	If the UTRAN does not support this CR:
	If the semantic description is misunderstood, the SRNC will not be able to send any DL message during the relocation preparation phase.

	Impact on test specifications: No impact is foreseen.
Clauses affected:	¥ 14.12.4.2
Other specs affected:	YN%XXOther core specificationsXTest specificationsXO&M Specifications
Other comments:	ж

14.12.4.2 SRNS RELOCATION INFO

This RRC message is sent between network nodes when preparing for an SRNS relocation or a handover/cell reselection from GERAN *Iu mode*.

With the presence or absence of the IE "RB identity for Hard Handover message" the source RNC indicates to the target SRNC whether the source RNC expects to receive the choice "DL DCCH message" in the IE "RRC information, target RNC to source RNC" in case the SRNS relocation is of type "UE involved". Furthermore the target RNC uses this information for the calculation of the MAC-I.

Direction: source RNC/RAT→target RNC

Information Element/Group	Need	Multi	Type and	Semantics description	Version
Name			reference		
NON RRC IES	0.5				
>RB identity for Handover message	OP		10.3.4.16	Gives the id of the radio bearer on which the source RNC will transmit the RRC message in the case the relocation is of type "UE involved". In handover from GERAN <i>lu</i> <i>mode</i> this IE is always set to 2.	
>State of RRC	MP		RRC state		
			indicator, 10.3.3.35a		
>State of RRC procedure	MP		Enumerated (await no RRC message, await RB Release Complete, await RB Setup Complete, await RB Reconfigurat ion Complete, await Transport CH Reconfigurat ion Complete, await Physical CH Reconfigurat ion Complete, await Physical CH Reconfigurat ion Complete, await Active Set Update Complete, await Handover Complete, send Cell Update Confirm, send URA Update Confirm, send URA		
		4.4-			
>upnering status for each CN	MP	<1 t0			

Information Element/Group	Need Multi		Type and	/pe and Semantics description	
domain		maxCNDo	Telefence		
domain		mains>			
>>CN domain identity	MP		CN domain		
			Identity		
>>Ciphering status	MP		Enumerated(
and the second sec			Not started,		
			Started)		
>>START	MP		START 10 3 3 38	START value to be used in this CN domain	
>Latest configured CN domain	MP		CN domain	Value contained in the variable	
5			identity	of the same name.	
			10.3.1.1	In case this variable is empty,	
				CN domain identity. In that	
				case, the Ciphering status and	
				the Integrity protection status	
				should be Not started and the	
				the variable Latest configured	
				CN domain.	
>Calculation time for ciphering	CV-			Time when the ciphering	
related information	Cipnering			information of the message	
				cell of the target RNC. In	
				handover and cell reselection	
				from GERAN <i>lu mode</i> this field	
	MP		Cell Identity	Is not present.	
			10.3.2.2	under the target RNC and	
				included in the active set of the	
	MD		Integer(0, 40	current call	
>>3511	MP		95)		
>COUNT-C list	OP	1 to		COUNT-C values for radio	
		<maxcndo< td=""><td></td><td>bearers using transparent</td><td></td></maxcndo<>		bearers using transparent	
>>CN domain identity	MP	Indins>	CN domain		
			identity		
			10.3.1.1		
>>COUNT-C		1 to	Bit string(32)	For signalling radio bearers	
	0.	<maxrb></maxrb>		this IE is mandatory.	
>>RB identity	MP		RB identity		
>>Downlink HFN	MP		Bit	This IE is either RLC AM HFN	
			string(2025	(20 bits) or RLC UM HFN (25	
				bits)	
>>DOWNIINK SN	LV-SRB1		Bit String(7)	This IE is either RLC AM HEN	
			string(2025	(20 bits) or RLC UM HFN (25	
)	bits)	
Integrity protection related information					
>Integrity protection status	MP	1	Enumerated(
			Not started, Started)		
>Signalling radio bearer specific	CV-IP	4 to			
integrity protection information		<maxsrbs< td=""><td></td><td></td><td></td></maxsrbs<>			
	MD	etup>	Dit otrip a	Ear analy SPR in the asso	
			(28)	activation times for the next IP	
				configuration to be applied on	
				this SRB have already been	
				reached this IE corresponds to	

	Information Element/Group	Need	Multi	Type and	Semantics description	Version
					the last value used. Else this value corresponds to the value the source would have initalized the HFN to at the activation time. Increment of HFN due to RRC SN roll over is taken care of by target based on value sent by the source.	
	>>Downlink RRC HFN	MP		Bit string (28)	For each SRB, in the case activation times for the next IP configuration to be applied on this SRB have already been reached this IE corresponds to the last value used. Else this value corresponds to the value the source would have initalized the HFN to at the activation time. Increment of HFN due to RRC SN roll over is taken care of by target based on value sent by the source. In particular, for SRB2, this IE should not take into account the RRC message that will trigger the relocation. <u>NOTE: In order to have the</u> <u>possibility of sending downlink</u> <u>messages after the</u> <u>construction of the IE "SRNS</u> <u>RELOCATION INFO", the</u> <u>source may choose a value</u> ahead of the last value used.	
	>>Uplink RRC Message sequence number	MP		Integer (0 15)	For each SRB, this IE corresponds to the last value received or in the case activation time was not reached for a configuration the value equals (activation time - 1).	
	>>Downlink RRC Message sequence number	MP		Integer (0 15)	For each SRB, this IE corresponds to the last value used or in the case activation time was not reached for a configuration the value equals (activation time -1). In particular, for SRB2, this IE should not take into account the RRC message that will trigger the relocation. <u>NOTE: In order to have the possibility of sending downlink</u> <u>messages after the</u> <u>construction of the IE "SRNS</u> <u>RELOCATION INFO", the</u> <u>source may choose a value</u> <u>ahead of the last value used.</u>	
I	>Implementation specific parameters	OP		Bit string (1512)		
	RRC IEs					
	>U-RNTI	MP		U-RNTI 10.3.3.47	G-RNTI is placed in this field when performing handover or cell reselection from GERAN <i>lu mode.</i>	
	>C-RNTI	OP		C-RNTI		

Name Preference >UE radio access Capability MP 10.3.8.8 UE radio access Capability MP UE radio access Capability vUE radio access capability OP UE radio access Capability vUE radio access capability OP UE radio access capability vuE radio access capability OP UE radio access capability vuE radio access capability OP Image: Capability capability vuE radio access capability OP Image: Capability vuE radio access Image: Capability Image: Capability <	Information Element/Group	Need	Multi	Type and	Semantics description	Version
>UE radio access Capability MP U.3.3.6 Let radio access capability extension Image: Constraints of the constraints capability extension Image: Constraints capability extension >UE radio access capability extension OP Image: Constraints capability extension Image: Constrai	Name			reference		
SDE radio access capability Imp Definition >UE radio access capability extension OP Imp >UE radio access capability extension OP Imp >_Last known UE position OP Imp >_sSFN MP Integer (0,4095) Imp >>SCIII D MP Integer (0,4095) Imp >>SCIII D MP Integer (0,4095) Imp >>SCIII D MP Integer (0,4085) Imp >>SCIII D MP Integer (0,4085) Imp >>SCIII D MP Integer (0,4085) Imp >>SCHOICE Position estimate settings of point with uncertainty circle Imp Imp >>>Ellipsoid point with uncertainty ellipse Imp Imp >>>Ellipsoid point with uncertainty ellipse Imp Imp >>>Ellipsoid point with altitude and uncertainty ellipse Imp Imp >>>Ellipsoid point with altitude and uncertainty ellipsoid Imp Imp	LIE radio access Capability	MD		10.3.3.8		
Subscription OP Capability extension UE radio cocess capability extension Subscription OP UE radio cocess capability extension Image: Comparison of the compa	>DE Taulo access Capability					
JUE radio access capability extension OP UE radio cossis capability extension Image: Comparison of the comparison of t				capability		
SUE radio access capability extension OP UE radio access capability extension UE radio access capability extension stast known UE position OP Integer estimated Time when position was estimated >>SFN MP Integer (0.4095) Time when position was estimated >>Cell ID MP Cell identity: 103.3.2 a Indicates the cell, the SFN is valid for. >>CHOICE Position estimate MP Ellipsoid Point, tho 10.3.8.4 a Indicates the cell, the SFN is valid for. >>>Ellipsoid point with uncertainty circle Ellipsoid point with uncertainty ellipse Ellipsoid point with uncertainty ellipsoid point with uncertainty ellipsoid point with attrude and uncertainty ellipsoid point with attrude and uncertainty ellipsoid Ellipsoid point with attrude and uncertainty ellipsoid point with ellipsoid point with attrude and uncertainty ellipsoid point with				10.3.3.42		
extension access capability extension 10.3.3.42a access capability extension 10.3.3.42a access capability extension 10.3.3.42a >_SERN MP Integer (0.4095) Time when position was estimated >>Cell ID MP Cell identity (0.3.2.2) Indicates the cell, the SFN is valid for. >>CHOICE Position estimate MP Ellipsoid point, with uncertainty circle Indicates the cell, the SFN is valid for. >>>Ellipsoid point with uncertainty circle MP Ellipsoid point with uncertainty circle Indicates the cell, the SFN is valid for. >>>Ellipsoid point with uncertainty ellipse Ellipsoid point with uncertainty ellipse Indicates the cell, the SFN is valid for. >>>Ellipsoid point with uncertainty ellipse Ellipsoid point with ouncertainty ellipse Indicates the cell, the SFN is valid to and uncertainty ellipse >>>Ellipsoid point with altitude and uncertainty ellipsoid Ellipsoid point with altitude and uncertainty ellipsoid Inti E should be included if received via the 'INTER RAT HANDOVER INFO', the 'IRRC CONNECTION REQUEST', the IE 'SRN RELOCATION INFO' or the 'INTER RAT HANDOVER NET RAT HANDOVER NET RAT HANDOVER NET NO', the 'IRRC CONNECTION REQUEST', the IE 'SRN RELOCATION INFO' o	>UE radio access capability	OP		UE radio		
Selection OP Capability extension Capability extension Time when position was estimated >>SEN MP Indeprint (0.4095) Time when position was estimated Section (0.4095) >>Cell ID MP Cell identity: 103.32.2 Indicates the cell, the SFN is valid for. Indicates the cell, the SFN is valid for. >>>Ellipsoid Point MP Ellipsoid Point: 103.38.44 Indicates the cell, the SFN is valid for. >>>Ellipsoid point with uncertainty circle MP Ellipsoid point with uncertainty errore Indicates the cell, the SFN is valid for. >>>Ellipsoid point with uncertainty ellipse MP Ellipsoid point with uncertainty ellipsoid Indicates the cell, the SFN is valid for. >>>Ellipsoid point with altitude and uncertainty ellipsoid MP Ellipsoid point with altitude and uncertainty ellipsoid Indicates the 'INTER RAT HANDOVER INFO', the 'INCE Point with uncertainty ellipsoid >>>Ellipsoid point with altitude and uncertainty ellipsoid OP UE Specific Behaviour Information 1 idle This IE should be included if received via the 'INTER RAT HANDOVER INFO', the 'INCE CONNECTION REQUEST, the IE 'SRING NELCOATION INFO' or the 'INTER RAT HANDOVER INFO', the 'INCE CONNECTION REQUEST, the IE 'SRING NELCOATION INFO' or the 'INTER RAT HANDOVER INFO', the 'INCE CONNECTION REQUEST, the IE 'SRING NELCOATION INFO' or the 'INTER RAT HANDOVER NENO', the 'INCE	extension			access		
extension 10.3.3.42 extension 10.3.3.42 >>SFN MP Integer (0.4095) Time when position was estimated >>Cell ID MP Cell identity valid for. Indicates the cell, the SFN is valid for. >>CHOICE Position estimate MP Ellipsoid Point, 10.3.8.4a Indicates the cell, the SFN is valid for. >>Ellipsoid point with uncertainty circle MP Ellipsoid point with uncertainty circle Integer (0.3.8.4d >>>Ellipsoid point with uncertainty ellipse Ellipsoid point with uncertainty ellipse Ellipsoid point with uncertainty ellipse Internation (0.3.8.4d >>>Ellipsoid point with altitude and uncertainty ellipsoid Ellipsoid point with altitude and uncertainty ellipsoid Intis IE should be included if received via the 'INTER RAT HANDOVER INFO', the 'RRC CONNECTION REQUEST', the IE 'SRN RAT HANDOVER RAT H				capability		
Last known UE position OP Intager Time when position was >>SFN MP Intager Time when position was estimated >>Cell ID MP Cell identity: Inflactates the cell, the SFN is valid for. >>SCHOICE Position estimate MP Ellipsoid 10.3.2.2 valid for. valid for. >>>Ellipsoid point with uncertainty circle Ellipsoid point with uncertainty circle Ellipsoid point with uncertainty circle Sold and an antipage is the second and antipage is the second antipage i				extension		
Set Norm CL position OP Integer (0,4095) Time when position was estimated >>Cell ID MP Cell identity: 10.3.2.2 Time when position was estimated Indicates the cell, the SFN is valid for. >>CHOICE Position estimate MP Cell identity: 10.3.2.4 Indicates the cell, the SFN is valid for. >>Ellipsoid point with uncertainty circle MP Ellipsoid point with uncertainty circle Ellipsoid point with uncertainty ellipse >>>Ellipsoid point with uncertainty ellipse Ellipsoid point with altitude Ellipsoid point with altitude >>>Ellipsoid point with altitude and uncertainty ellipsoid Point with altitude and uncertainty ellipsoid Fils IE should be included if received via the "INTER RAT HANDOVER INFO; the "RAC UNINFO" or the "Inter RAT HANDOVER INFO; the "RAC UNINFO" or the "Inter RAT Handover Info with Inter	>Last known LIE position	OP		10.3.3.42a		
Social ID MP IOL 4095 () estimated IOL 4095 () >>>CHOCE Position estinate MP Cell identity () Indicates the cell, the SFN is >>>Ellipsoid Point Ellipsoid Point () Ellipsoid Point () IOL 3.2.2 >>>Ellipsoid Point Ellipsoid Point () IOL 3.4.4 >>>Ellipsoid point with uncertainty circle Ellipsoid point with uncertainty ellipse Ellipsoid point with uncertainty ellipse >>>Ellipsoid point with uncertainty ellipse Ellipsoid point with attrude and uncertainty ellipsoid Ellipsoid point with attrude and uncertainty ellipsoid >>>Ellipsoid point with altitude and uncertainty ellipsoid OP Ellipsoid point with attrude and uncertainty ellipsoid >UE Specific Behaviour Information 1 idle OP UE Specific Behaviour Information 1 idle OP >UE Specific Behaviour Information 1 interRAT OP UE Specific Behaviour Information 1 interRAT This IE should be included if received via the "INTER RAT HANDOVER INFO", the "RRC CONNECTION RECOLTION INFO" or the "Inter RAT Capabilities" >UE system specific capability OP 1 to «macapabilit yz This IE should be included if received via the "INTER RAT HANDOVER INFO", the "RRC CONNECTION RECOLTION INFO" or the "Inter RAT Capabilities" >UE system specific capability OP 1 to «macapability >> Inter-RAT UE radio access capability MP Inter-RAT	>>SFN	MP		Integer	Time when position was	
>>Cell ID MP Cell identity, 10.3.2.2 Indicates the cell, the SFN is valid for. >>CHOICE Position estimate MP Indicates the cell, the SFN is valid for. Indicates the cell, the SFN is valid for. >>>Ellipsoid Point Ellipsoid Point: 10.3.8.4a Indicates the cell, the SFN is valid for. Indicates the cell, the SFN is valid for. >>>Ellipsoid point with uncertainty circle Ellipsoid point with uncertainty ellipse Indicates the cell, the SFN is valid for. >>>Ellipsoid point with uncertainty ellipse Ellipsoid point with altitude and uncertainty ellipsoid Ellipsoid point with altitude and uncertainty ellipsoid >VE Specific Behaviour Information 1 ide OP UE Specific Behaviour Information 1 interRAT This IE should be included if received via the "INTER RAT HANDOVER INFO; the "RRC CONNECTION REQUEST", the IE "SRNS RELOCATION INFO" or the "Inter RAT Handover Info with Inter RAT Capabilities" >UE Specific Behaviour Information 1 interRAT OP UE Specific Behaviour Information 1 interRAT OP >UE Specific Behaviour Information 1 interRAT OP UE Specific Behaviour Information 1 interRAT This IE should be included if received via the "INTER RAT Handover Info with Inter RAT Capabilities" >UE system specific capability OP 1 to crmaxSyste capability Inter-RAT UE radio access capability Inter-RAT				(04095)	estimated	
>>>CHOICE Position estimate MP Image: Constraint of the second s	>>Cell ID	MP		Cell identity; 10.3.2.2	Indicates the cell, the SFN is valid for.	
>>>Ellipsoid Point Ellipsoid Point: 10.3.8.4a Ellipsoid point with uncertainty circle >>>Ellipsoid point with uncertainty ellipse Ellipsoid Point with uncertainty ellipse >>>Ellipsoid point with uncertainty ellipse Ellipsoid Point with uncertainty ellipse >>>Ellipsoid point with uncertainty ellipse Ellipsoid Point with uncertainty ellipseid >>>Ellipsoid point with altitude and uncertainty ellipsoid Ellipsoid point with altitude and uncertainty ellipsoid >>>Ellipsoid point with altitude and uncertainty ellipsoid OP UE Specific Pehaviour Information 1 idle This IE should be included if received via the "INTER RAT HANDOVER INFO", the "RRC CONNECTION REQUEST", the IE "SRNS RELOCATION INFO" or the "Inter RAT HANDOVER INFO", the "RRC CONNECTION REQUEST", the IE "SRNS RELOCATION INFO" or the "Inter RAT HANDOVER INFO", the "RRC CONNECTION REQUEST", the IE "SRNS RELOCATION INFO" or the "Inter RAT HANDOVER INFO", the "RRC CONNECTION REQUEST", the IE "SRNS RELOCATION INFO" or the "Inter RAT HANDOVER INFO", the "RRC CONNECTION REQUEST", the IE "SRNS RELOCATION INFO" or the "Inter RAT HANDOVER INFO", the "RRC CONNECTION REQUEST", the IE "SRNS RELOCATION INFO" or the "Inter RAT HANDOVER INFO", the "RRC CONNECTION REQUEST", the IE "SRNS RELOCATION INFO" or the "Inter RAT HANDOVER INFO", the "RRC Capabilities" >UE system specific capability OP 110 (maxSyste mCapabilit y	>>CHOICE Position estimate	MP				
Point: 10.3.8.4a >>>Ellipsoid point with uncertainty circle Elipsoid point with uncertainty circle >>>Ellipsoid point with uncertainty ellipsoid point with uncertainty ellipsoid point with alitude >>>Ellipsoid point with uncertainty ellipsoid point with alitude >>>Ellipsoid point with alitude and uncertainty ellipsoid >UE Specific Behaviour Information 1 idle OP UE Specific Behaviour Information 1 idle OP UE Specific Behaviour Information 1 interRAT OP OP UE Specific Behaviour Information 1 interRAT InterRAT UE radio access capability	>>>Ellipsoid Point			Ellipsoid		
>>>Ellipsoid point with uncertainty circle Ellipsoid point with uncertainty circle Ellipsoid point with uncertainty ellipse >>>Ellipsoid point with uncertainty ellipse Ellipsoid point with uncertainty ellipse Ellipsoid >>>Ellipsoid point with altitude and uncertainty ellipsoid Ellipsoid point with altitude and uncertainty ellipsoid Ellipsoid point with altitude and uncertainty ellipsoid Image: Comparison of the second point with altitude and uncertainty ellipsoid >UE Specific Behaviour Information 1 idle OP UE Specific Behaviour Information 1 interRAT This IE should be included if received via the "INTER RAT HANDOVER INPO", the "RRC CONNECTION REQUEST", the IE "SRNS RELOCATION INFO" or the "Inter RAT Handover Info with Inter RAT <td></td> <td></td> <td></td> <td>Point;</td> <td></td> <td></td>				Point;		
>>>Ellipsoid point with uncertainty circle Ellipsoid point with uncertainty circle Point with uncertainty ellipsoid >>>Ellipsoid point with uncertainty ellipse Ellipsoid point with uncertainty ellipsoid Image: Comparison of the second point with altitude >>>Ellipsoid point with altitude Ellipsoid Image: Comparison of the second point with altitude >>>Ellipsoid point with altitude Ellipsoid Image: Comparison of the second point with altitude >>>Ellipsoid point with altitude and uncertainty ellipsoid OP Ellipsoid point with altitude and uncertainty ellipsoid >UE Specific Behaviour Information 1 idle OP UE Specific Behaviour Information 1 idle This IE should be included if reserved via the 'INTER RAT HANDOVER INFO', the 'RRC CONNECTION REQUEST', the IE 'SRNS RELOCATION INFO' or the 'Inter RAT Handover Info with Inter RAT Capabilities' >UE Specific Behaviour Information 1 interRAT OP UE Specific Behaviour Information 1 interRAT UE Specific Behaviour Information 1 interRAT >UE system specific capability OP 1 to <maxsyste mCapabilities' Conne Connon InterRAT >UE system specific capability OP 1 to <maxsyste Capability Inter-RAT</maxsyste </maxsyste 				10.3.8.4a		
uncertainty circle point with uncertainty circle uncertainty tipse >>>Ellipsoid point with uncertainty ellipse Ellipsoid point with uncertainty ellipse e >>>Ellipsoid point with altitude and uncertainty ellipsoid Ellipsoid point with altitude 10.38.4c e >>>Ellipsoid point with altitude and uncertainty ellipsoid Ellipsoid point with altitude 10.38.4c more tainty ellipsoid >UE Specific Behaviour Information 1 idle OP UE Specific Behaviour Information 1 inter RAT OP >UE Specific Behaviour Information 1 inter RAT OP UE Specific Behaviour Information 1 inter RAT This IE should be included if received via the "INTER RAT HANDOVER INFO" or the "Inter RAT Handover Info with Inter RAT CONNECTION REQUEST", the IE "SRNS RELOCATION INFO" or the "Inter RAT >UE Specific Behaviour Information 1 interRAT OP UE Specific Behaviour Information 1 interRAT This IE should be included if received via the "INTER RAT Handover Info with Inter RAT ConnecTION REQUEST", the IE "SRNS RELOCATION INFO" or the "Inter RAT >UE system specific capability >>Inter-RAT UE radio access capability OP 1 to «maxSyste mCapabilities" Inter-RAT UE radio access Inter-RAT	>>>Ellipsoid point with			Ellipsoid		
>>>Ellipsoid point with uncertainty ellipse Image: Second Sec				uncertainty		
				circle		
>>>Ellipsoid point with uncertainty ellipse Image: Second Sec				10.3.8.4d		
uncertainty ellipse point with uncertainty ellipsoid point with altitude point with ellipsoid point with altitude >>>Ellipsoid point with altitude and uncertainty ellipsoid Pellipsoid point with altitude and uncertainty ellipsoid Pellipsoid point with altitude and uncertainty ellipsoid >UE Specific Behaviour Information 1 idle OP UE Specific Behaviour Information 1 interRAT This IE should be included if received via the "INTER RAT HANDOVER INFO", the "RRC CONNECTION REQUEST", the IE "SNNS RELOCATION INFO" or the "Inter RAT Handover Info with Inter RAT Handover Info with Inter RAT HANDOVER INFO", the "RRC CONNECTION REQUEST", the IE "SNNS RELOCATION INFO" or the "Inter RAT Handover Info with Inter RAT Capabilities" >UE Specific Behaviour Information 1 interRAT OP UE Specific Behaviour Information 1 interRAT 10.3.3.52 >UE specific Behaviour Information 1 interRAT OP UE Specific Behaviour Information 1 interRAT >UE specific Behaviour Information 1 interRAT OP UE Specific Behaviour Information 1 interRAT >UE specific Rehaviour Information 1 Information 1 interRAT OP UE Specific Behaviour Information 1 interRAT >UE system specific capability OP 1 to «maxSyste mCapabilities" Capabilities"	>>>Ellipsoid point with			Ellipsoid		
>>>Ellipsoid point with altitude Image: Second	uncertainty ellipse			point with		
>>>Ellipsoid point with altitude 10.3.8.4e >>>Ellipsoid point with altitude 20.3.8.4e and uncertainty ellipsoid Ellipsoid >>>Ellipsoid point with altitude 10.3.8.4c >UE Specific Behaviour OP Information 1 idle OP >UE Specific Behaviour OP Information 1 idle OP >UE Specific Behaviour OP Information 1 idle OP VUE Specific Behaviour OP Information 1 idle OP VUE Specific Behaviour OP Information 1 interRAT OP VUE System specific capability OP >UE system specific capability OP >UE system specific capability OP VUE system specific capability OP VUE system specific capability OP VIE system specific capability OP				uncertainty		
>>>Ellipsoid point with altitude Image: Constraint of the second sec				10.3.8.4e		
Provide point with alitude and uncertainty ellipsoidOPEllipsoid point with alitude and uncertainty ellipsoid 10.3.8.4cThis IE should be included if received via the "INTER RAT HANDOVER INFO", the "RRC CONNECTION REQUEST", the IE" SRNS RELOCATION INFO" or the "Inter RAT Handover Info with Inter RAT Handover Info with Inter RAT HANDOVER INFO", the "RRC CONNECTION REQUEST", the IE" SRNS RELOCATION INFO" or the "Inter RAT HANDOVER INFO", the "RRC CONNECTION REQUEST", the IE" SRNS RELOCATION INFO" or the "Inter RAT HANDOVER INFO", the "RRC CONNECTION REQUEST", the IE" SRNS RELOCATION INFO" or the "Inter RAT HANDOVER INFO", the "RRC CONNECTION REQUEST", the IE" SRNS RELOCATION INFO" or the "Inter RAT HANDOVER INFO", the "RRC CONNECTION REQUEST", the IE" SRNS RELOCATION INFO" or the "Inter RAT HANDOVER INFO", the "RRC CONNECTION REQUEST", the IE" SRNS RELOCATION INFO" or the "Inter RAT HANDOVER INFO", the "RRC CONNECTION REQUEST", the IE" SRNS RELOCATION INFO" or the "Inter RAT HANDOVER INFO", the "RRC CONNECTION REQUEST", the IE" SRNS RELOCATION INFO" or the "Inter RAT Handover Info with Inter RAT Handover Info with Inter RAT Capabilities"Other Information elements ->UE system specific capabilityOP1 to (maxSyste mCapabilities">>Inter-RAT UE radio access capabilityMPInter-RAT UE radio access capability	>>>Ellipsoid point with altitude			Ellipsoid		
and uncertainty ellipsoidAltitude 10.3.8.4baltitude and uncertainty ellipsoid>>>Ellipsoid point with altitude and uncertainty ellipsoidEllipsoid altitude and uncertainty ellipsoidFilipsoid point with altitude and uncertainty ellipsoid>UE Specific Behaviour Information 1 idleOPUE Specific Behaviour information 1 idleThis IE should be included if received via the "INTER RAT HANDOVER INFO", the "RRC CONNECTION REQUEST", the IE "SRNS RELOCATION INFO" or the "Inter RAT Capabilities">UE Specific Behaviour Information 1 interRATOPUE Specific Behaviour Information 1 interRAT 10.3.3.51This IE should be included if received via the "INTER RAT Handover Info with Inter RAT Capabilities">UE Specific Behaviour Information 1 interRATOPUE Specific Behaviour Information 1 interRAT 10.3.3.52This IE should be included if received via the "INTER RAT HANDOVER INFO", the "RRC CONNECTION REQUEST", the IE "SRNS RELOCATION INFO" or the "Inter RAT Handover Info with Inter RA				point with		
>>>Ellipsoid point with altitude and uncertainty ellipsoid Image: Constrainty ellipsoid point with altitude and uncertainty ellipsoid Image: Constrainty ellipsoid >UE Specific Behaviour Information 1 idle OP UE Specific Behaviour Information 1 idle This IE should be included if received via the "INTER RAT HANDOVER INFO", the "RRC CONNECTION REQUEST", the IE "SRNS RELOCATION INFO" or the "Inter RAT Capabilities" >UE Specific Behaviour Information 1 interRAT OP UE Specific Behaviour Information 1 interRAT This IE should be included if received via the "INTER RAT HANDOVER INFO", the "RRC CONNECTION REQUEST", the IE "SRNS RELOCATION INFO" or the "Inter RAT HANDOVER INFO", the "RRC CONNECTION REQUEST", the IE "SRNS RELOCATION INFO" or the "Inter RAT HANDOVER INFO", the "RRC CONNECTION REQUEST", the IE "SRNS RELOCATION INFO" or the "Inter RAT Handover Info with Inter RAT Capabilities" Other Information elements OP 1 to <maxsyste mCapability Inter-RAT UE radio access capability</maxsyste 				altitude		
>>UE Specific Behaviour Information 1 idle OP UE Specific Behaviour Information 1 idle OP UE Specific Behaviour Information 1 idle This IE should be included if received via the "INTER RAT HANDOVER INFO", the "RRC CONNECTION REQUEST", 10.3.3.51 >UE Specific Behaviour Information 1 interRAT OP UE Specific Behaviour Information 1 interRAT UE Specific Behaviour Information 1 interRAT >UE Specific Behaviour Information 1 interRAT OP UE Specific Behaviour Information 1 interRAT UE Specific Behaviour Information 1 interRAT OP UE Specific Research UE Specific Behaviour Information 1 interRAT This IE should be included if received via the "INTER RAT HANDOVER INFO", the "RRC CONNECTION REQUEST", the IE "SRNS RELOCATION INFO" or the "Inter RAT HANDOVER INFO", the "RRC CONNECTION REQUEST", the IE "SRNS RELOCATION INFO" or the "Inter RAT HANDOVER INFO", the "RRC CONNECTION REAT HANDOVER INFO", the "RRC CONNECTION REAT HAND	sss Ellipsoid point with altitude			10.3.8.4b		
SUE Specific Behaviour Information 1 idle OP UE Specific Behaviour Information 1 idle This IE should be included if received via the "INTER RAT HANDOVER INFO", the "RRC CONNECTION REQUEST", 10.3.3.51 SUE Specific Behaviour Information 1 inter RAT OP UE Specific Behaviour Information 1 inter RAT This IE should be included if received via the "INTER RAT HANDOVER INFO", the "RRC CONNECTION REQUEST", 10.3.3.51 SUE Specific Behaviour Information 1 inter RAT OP UE Specific Behaviour Information 1 inter RAT This IE should be included if received via the "INTER RAT HANDOVER INFO", the "RRC CONNECTION REQUEST", the IE "SRNS RELOCATION INFO" or the "Inter RAT HANDOVER INFO", the "RRC CONNECTION REQUEST", the IE "SRNS RELOCATION INFO" or the "Inter RAT HANDOVER INFO", the "RRC CONNECTION REQUEST", the IE "SRNS RELOCATION INFO" or the "Inter RAT Handover Info with Inter RAT HANDOVER >>Inter-RAT UE radio access capability MP Inter-RAT UE radio access capability Inter-RAT UE radio access capability	and uncertainty ellipsoid			point with		
JUE Specific Behaviour Information 1 idleOPOPUE Specific Behaviour Information 1 idleThis IE should be included if received via the "INTER RAT HANDOVER INFO", the "RRC CONNECTION REQUEST", the IE "SRNS RELOCATION INFO" or the "Inter RAT Handover Info with Inter RAT HANDOVER INFO", the "RRC CONNECTION REQUEST", the IE "SRNS RELOCATION INFO" or the "Inter RAT HANDOVER INFO", the "RRC Capabilities">UE Specific Behaviour Information 1 interRATOPUE Specific Behaviour Information 1 interRAT 10.3.3.52This IE should be included if received via the "INTER RAT HANDOVER INFO", the "RRC CONNECTION REQUEST", the IE "SRNS RELOCATION INFO" or the "Inter RAT HANDOVER INFO", the "RRC CONNECTION REQUEST", the IE "SRNS RELOCATION INFO" or the "Inter RAT Handover Info with Inter RAT <td></td> <td></td> <td></td> <td>altitude and</td> <td></td> <td></td>				altitude and		
>UE Specific Behaviour Information 1 idleOPUE Specific Behaviour Information idle 1 10.3.3.51This IE should be included if received via the "INTER RAT HANDOVER INFO", the "RRC CONNECTION REQUEST", the IE "SRNS RELOCATION INFO" or the "Inter RAT Handover Info with Inter RAT Capabilities">UE Specific Behaviour Information 1 interRATOPUE Specific Behaviour Information 1 interRATThis IE should be included if received via the "INTER RAT Handover Info with Inter RAT Capabilities">UE Specific Behaviour Information 1 interRATOPUE Specific Behaviour Information 1 interRAT 10.3.3.52This IE should be included if received via the "INTER RAT HANDOVER INFO", the "RRC CONNECTION REQUEST", the IE "SRNS RELOCATION INFO" or the "Inter RAT Handover Info with Inter RAT Handov				uncertainty		
JUE Specific Behaviour Information 1 idleOPUE Specific Behaviour Information idle 1 10.3.3.51This IE should be included if received via the "INTER RAT HANDOVER INFO", the "RRC CONNECTION REQUEST", the IE "SRNS RELOCATION INFO" or the "Inter RAT Handover Info with Inter RAT Capabilities">UE Specific Behaviour Information 1 interRATOPUE Specific Behaviour Information 1 interRAT 10.3.3.51This IE should be included if received via the "INTER RAT HANDOVER INFO", the "RRC CONNECTION REQUEST", the IE "SRNS RELOCATION INFO" or the "Inter RAT HANDOVER INFO", the "RRC CONNECTION REQUEST", the IE "SRNS RELOCATION INFO" or the "Inter RAT HANDOVER INFO", the "RRC CONNECTION REQUEST", the IE "SRNS RELOCATION INFO" or the "Inter RAT Handover Info with Inter RAT Handover Info with In				ellipsoid		
SUE Specific Behaviour Information 1 idle OP UE Specific Behaviour Information idle 1 This IE should be included if received via the "INTER RAT HANDOVER INFO", the "RRC CONNECTION REQUEST", the IE "SRNS RELOCATION INFO" or the "Inter RAT Handover Info with Inter RAT Capabilities" >UE Specific Behaviour Information 1 interRAT OP UE Specific Behaviour Information 1 interRAT This IE should be included if received via the "INTER RAT Handover Info with Inter RAT Capabilities" >UE Specific Behaviour Information 1 interRAT OP UE Specific Behaviour Information 1 interRAT This IE should be included if received via the "INTER RAT HANDOVER INFO", the "RRC CONNECTION REQUEST", the IE "SRNS RELOCATION INFO" or the "Inter RAT Handover Info with Inter RAT Handover Info wit				10.3.8.4c		
Information 1 rule Information idle Information idle HabDOVER INFO", the "RRC CONNECTION REQUEST", the IE "SRNS RELOCATION INFO" or the "Inter RAT Handover Info with Inter RAT Capabilities" >UE Specific Behaviour Information 1 interRAT OP UE Specific Behaviour Information 1 interRAT the INTER RAT HANDOVER INFO", the "RRC CONNECTION REQUEST", the IE "SRNS RELOCATION INFO" or the "Inter RAT Handover Info with Inter RAT the INTER RAT HANDOVER INFO", the "RRC CONNECTION REQUEST", the IE "SRNS RELOCATION INFO" or the "Inter RAT HANDOVER INFO", the "RRC CONNECTION REQUEST", the IE "SRNS RELOCATION INFO" or the "Inter RAT HANDOVER INFO", the "RRC CONNECTION REQUEST", the IE "SRNS RELOCATION INFO" or the "Inter RAT Handover Info with Inter RAT Handover Info with Inter RAT Capabilities" Other Information elements OP 1 to >UE system specific capability OP 1 to <maxsyste mcapability<="" td=""> VP 1 nter-RAT UE radio access capability Inter-RAT UE radio access capability</maxsyste>	>UE Specific Benaviour	OP		UE Specific Behaviour	I his IE should be included if	
>UE Specific Behaviour Information 1 interRATOPUE Specific Behaviour Information 1 interRATUE Specific Behaviour Information 1 interRATOPUE Specific Behaviour Information 1 interRAT 10.3.3.52UE Specific Behaviour Information 1 interRAT HANDOVER INFO", the "INTER RAT HANDOVER INFO", the "RRC CONNECTION REQUEST", the IE "SRNS RELOCATION INFO" or the "Inter RAT Handover Info with Inter RAT HANDOVER INFO", the "RRC CONNECTION REQUEST", the IE "SRNS RELOCATION INFO" or the "Inter RAT Handover Info with Inter RAT Handover Info				Information	HANDOVER INFO" the "RRC	
JUE Specific Behaviour Information 1 interRATOPUE Specific Behaviour Information 1 interRATUE Specific Behaviour Information 1 interRATOPUE Specific Behaviour Information 1 interRAT 10.3.3.52UE Specific Behaviour Information 1 interRAT HANDOVER INFO", the "RRC CONNECTION REQUEST", the IE "SRNS RELOCATION INFO" or the "Inter RAT Handover Info with Inter RAT HANDOVER INFO", the "RRC CONNECTION REQUEST", the IE "SRNS RELOCATION INFO" or the "Inter RAT Handover Info with Inter RAT Handover Info wi				idle 1	CONNECTION REQUEST",	
>UE Specific Behaviour Information 1 interRATOPUE Specific Behaviour Information 1 interRATOPUE Specific Behaviour Information 1 interRATThis IE should be included if received via the "INTER RAT HANDOVER INFO", the "RRC CONNECTION REQUEST", the IE "SRNS RELOCATION INFO" or the "Inter RAT Handover Info with Inter RAT Handover Info with Inter RAT HANDOVER INFO", the "RRC CONNECTION REQUEST", the IE "SRNS RELOCATION INFO" or the "Inter RAT Handover Info with Inter RAT Handover Info with I				10.3.3.51	the IE "SRNS RELOCATION	
>UE Specific Behaviour Information 1 interRAT OP UE Specific Behaviour Information 1 interRAT This IE should be included if received via the "INTER RAT HANDOVER INFO", the "RRC CONNECTION REQUEST", the IE "SRNS RELOCATION INFO" or the "Inter RAT Handover Info with Inter RAT Handover Info with Inter RAT Handover Info with Inter RAT Other Information elements OP 1 to <maxsyste mCapabiliti y> OP >UE system specific capability OP 1 to <maxsyste mCapabiliti y> Inter-RAT UE radio access capability</maxsyste </maxsyste 					INFO" or the "Inter RAT	
>UE Specific Behaviour Information 1 interRAT OP UE Specific Behaviour Information 1 interRAT This IE should be included if received via the "INTER RAT HANDOVER INFO", the "RRC CONNECTION REQUEST", the IE "SRNS RELOCATION INFO" or the "Inter RAT Handover Info with Inter RAT Handover Info with Inter RAT Capabilities" Other Information elements >UE system specific capability OP 1 to <maxsyste mCapabilit y> >Inter-RAT UE radio access capability MP Inter-RAT UE radio access capability Inter-RAT UE radio access capability</maxsyste 					Handover Info with Inter RAI	
Information 1 interRATOrOrOptionBehaviour Information 1 interRAT 10.3.3.52Inter Linduct of under on induction received via the "INTER RAT HANDOVER INFO", the "RRC CONNECTION REQUEST", the IE "SRNS RELOCATION INFO" or the "Inter RAT Handover Info with Inter RAT Capabilities"Other Information elementsImage: Construction of the constructio	>UE Specific Behaviour	OP		UE Specific	This IF should be included if	
Information 1 interRAT 10.3.3.52HANDOVER INFO", the "RRC CONNECTION REQUEST", the IE "SRNS RELOCATION INFO" or the "Inter RAT Handover Info with Inter RAT Capabilities"Other Information elementsImage: Comment of the second	Information 1 interRAT	0.		Behaviour	received via the "INTER RAT	
Other Information elementsOP1 to <maxsyste </maxsyste mCapabilityCONNECTION REQUEST", the IE "SRNS RELOCATION INFO" or the "Inter RAT Handover Info with Inter RAT Capabilities">UE system specific capabilityOP1 to <maxsyste </maxsyste mCapabilit y>Inter-RAT UE radio access capability				Information 1	HANDOVER INFO", the "RRC	
Other Information elements Image: system specific capability OP 1 to spatiality Image: system specific capability Image: system				interRAT	CONNECTION REQUEST",	
Other Information elements Image: Constraint of the inter RAT Handover Info with Inter RAT Capabilities" Other Information elements Image: Constraint of the inter RAT Capabilities" >UE system specific capability OP 1 to <maxsyste mcapability<="" td=""> >>Inter-RAT UE radio access capability MP Inter-RAT UE radio access capability Inter-RAT UE radio access capability MP Inter-RAT UE radio access capability</maxsyste>				10.3.3.52	the IE "SRNS RELOCATION	
Other Information elements OP 1 to <maxsyste mCapabilitity Capabilities" >>Inter-RAT UE radio access capability MP Inter-RAT UE radio access capability Inter-RAT UE radio access capability</maxsyste 					Handover Info with Inter RAT	
Other Information elements OP 1 to <maxsyste mCapability OP 1 to <maxsyste mCapability >>Inter-RAT UE radio access capability MP Inter-RAT UE radio access capability Inter-RAT UE radio access capability</maxsyste </maxsyste 					Capabilities"	
>UE system specific capability OP 1 to	Other Information elements	1	1			
>Inter-RAT UE radio access capability MP Inter-RAT UE radio access capability Inter-RAT UE radio access capability	>UE system specific capability	OP	1 to			
mCapabilit y> mCapabilit y> >>Inter-RAT UE radio access capability MP Inter-RAT UE radio access capability			<maxsyste< td=""><td></td><td></td><td></td></maxsyste<>			
y> Inter-RAT capability MP Inter-RAT UE radio access capability			mCapabilit			
capability UE radio access capability	>>Inter-RAT UF radio access	MP	y>	Inter-RAT		
access capability	capability			UE radio		
capability				access		
				capability		

Information Element/Group	Need	Multi	Type and	Semantics description	Version
Name			reference		
UTRAN Mobility Information					
elements					
>URA Identilier	OP				
CN Information Elements			10.0.2.0		
>CN common GSM-MAP NAS	MP		NAS system		
system information			information		
			(GSM-MAP)		
			10.3.1.9		
>CN domain related information	OP	1 to		CN related information to be	
		<maxcndo< td=""><td></td><td>provided for each CN domain</td><td></td></maxcndo<>		provided for each CN domain	
>> CN domain identity	MD	mains>			
>>CN domain specific GSM-	MP		NAS system		
MAP NAS system info			information		
			(GSM-MAP)		
			10.3.1.9		
>>CN domain specific DRX	MP		CN domain		
cycle length coefficient			specific DRX		
			cycle length		
			coefficient,		
Maggurgmont Deleted			10.3.3.6		
Information elements					
>For each ongoing	OP	1 to			
measurement reporting		<maxnoof< td=""><td></td><td></td><td></td></maxnoof<>			
>> Maggurament Identity	MD	Meas>	Magguraman		
>>weasurement identity			t identity		
			10.3.7.48		
>>Measurement Command	MP		Measuremen		
			t command		
			10.3.7.46		
>>Measurement Type	CV-Setup		Measuremen		
			t type		
>>Moscuroment Reporting			10.3.7.50 Moosuromon		
Mode	01		t reporting		
Mode			mode		
			10.3.7.49		
>>Additional Measurements list	OP		Additional		
			measuremen		
			ts list		
			10.3.7.1		
>>CHOICE Measurement					
>>>Intra-frequency cell info	OP		Intra-		
			frequency		
			cell info list		
			10.3.7.33		
>>>>Intra-frequency	OP		Intra-		
measurement			frequency		
quantity			measuremen		
			10.3.7.38		
>>>Intra-frequency reporting	OP	1	Intra-		
quantity			frequency		
			reporting		
			quantity		
Depending and the first			10.3.7.41		
>>>keporting cell status			Reporting		
>>>Measurement validity	OP	1	Measuremen		1
			t validity		

Information Element/Group	Need	Multi	Type and	Semantics description	Version
Name			reference		
			10.3.7.51		
>>>>CHOICE report criteria	OP		Intro		
>>>>Initia-frequency			frequency		
reporting criteria			measuremen		
reporting entena			t reporting		
			criteria		
			10.3.7.39		
>>>>Periodical reporting			Periodical		
			reporting		
			criteria		
			10.3.7.53		
>>>>No reporting			NULL		
>>>Inter-frequency					
>>>>Inter-frequency cell info	OP		Inter-		
			frequency		
>>>>Inter-frequency	OP		10.3.7.13		
measurement	01		frequency		
quantity			measuremen		
quantity			t quantity		
			10.3.7.18		
>>>>Inter-frequency reporting	OP		Inter-		
quantity			frequency		
			reporting		
			quantity		
			10.3.7.21		
>>>>Reporting cell status	OP		Reporting		
			cell status		
			10.3.7.61		
>>>>imeasurement validity	OP		weasuremen		
			10 3 7 51		
>>>>Inter-frequency set undate	OP		Inter-		
			frequency		
			set update		
			10.3.7.22		
>>>>CHOICE report criteria	OP				
>>>>Intra-frequency			Intra-		
measurement reporting criteria			frequency		
			measuremen		
			t reporting		
			criteria		
>>>> Inter frequency			10.3.7.39		
>>>>inter-frequency			frequency		
reporting criteria			measuremen		
			t reporting		
			criteria		
			10.3.7.19		
>>>>Periodical reporting			Periodical		
			reporting		
			criteria		1
			10.3.7.53		l
>>>>No reporting			NULL		
>>>Inter-KAI			Intor DAT		
>>>>Inter-KA1 Cell INTO			Inter-KAI		1
					1
>>>>Inter-RAT measurement	OP		Inter-RAT		1
quantity			measuremen		
			t quantity		1
			10.3.7.29		
>>>Inter-RAT reporting	OP		Inter-RAT		1

Information Element/Group	Need	Multi	Type and	Semantics description	Version
Name			reference		
quantity			reporting		
			quantity		
A A A A Departing call status			10.3.7.32 Departing		
>>>Reporting cell status	OP		coll status		
>>>>Measurement validity	OP		Measuremen		
	0.		t validity		
			10.3.7.51		
>>>>CHOICE report criteria	OP				
>>>>Inter-RAT measurement			Inter-RAT		
reporting criteria			measuremen		
			t reporting		
			criteria		
A A A A Deriodical reporting			10.3.7.30 Deriodical		
>>>>Periodical reporting			reporting		
			criteria		
			10.3.7.53		
>>>>No reporting			NULL		
>>>Traffic Volume					
>>>>Traffic volume	OP		Traffic		
measurement			volume		
Object			measuremen		
			t object		
			10.3.7.70		
>>>>Traffic volume	OP		Traffic		
measurement			volume		
quantity			measuremen		
			10.3.7.71		
>>>>Traffic volume reporting	OP		Traffic		
quantity			volume		
			reporting		
			quantity		
			10.3.7.74		
>>>>Measurement validity	OP		Measuremen		
			t validity		
			10.3.7.51		
	UP		Troffic		
measurement			volume		
reporting criteria			measuremen		
			t reporting		
			criteria		
			10.3.7.72		
>>>>Periodical reporting			Periodical		
			reporting		
			criteria		
			10.3.7.53		
>>>>No reporting			NULL		
	OP		Quality		
quantity			measuremen		
quantity			t quantity		
			10.3.7.59		
>>>>CHOICE report criteria	OP				
>>>>Quality measurement			Quality		
reporting criteria			measuremen		
			t reporting		
			criteria		
>>>> Doriginal reporting			TU.3.7.58		
			renouting		
			criteria		

Information Element/Group	Need	Multi	Type and	Semantics description	Version
Name			reference		
			10.3.7.53		
>>>>No reporting			NULL		
>>>UE internal					
>>>>UE internal measurement	OP		UE internal		
quantity			measuremen		
			t quantity		
>>>> IF internal reporting			10.3.7.79		
auantity	UF				
quantity			quantity		
			10.3.7.82		
>>>>CHOICE report criteria	OP				
>>>>UE internal measurement			UE internal		
reporting criteria			measuremen		
			t reporting		
			criteria		
			10.3.7.80		
>>>>Periodical reporting			Periodical		
			reporting		
			criteria		
No reporting			10.3.7.53		
			NULL		
>>>UE positioning			1.00		
>>>>LCS reporting quantity	UF		reporting		
			quantity		
			10.3.7.111		
>>>>CHOICE report criteria	OP		10.0.1111		
>>>>I CS reporting criteria	0.		LCS		
			reporting		
			criteria		
			10.3.7.110		
>>>>Periodical reporting			Periodical		
			reporting		
			criteria		
			10.3.7.53		
>>>>No reporting					
Radio Bearer Information					
Elements	0.5				-
>Predefined configuration status	OP		Predefined		
information			configuration		
			information		
			10.3.4.5a		
>Signalling RB information list	MP	1 to	10.011.04	For each signalling radio	
		<maxsrbs< td=""><td></td><td>bearer</td><td></td></maxsrbs<>		bearer	
		etup>			
>>Signalling RB information	MP		Signalling		
			RB		
			information		
			to setup		
			10.3.4.24		
>RAB information list	OP	1 to		Information for each RAB	
		<maxrabs< td=""><td></td><td></td><td></td></maxrabs<>			
>> PAR information	MD	eiup>			
			information		
			to setup		
			10.3.4.10		
Transport Channel			10.0.7.10		
Information Elements					
Uplink transport channels					
>UL Transport channel	OP		UL Transport		
information common for all			channel		
transport channels			information		

Information Element/Group	Need	Multi	Type and	Semantics description	Version
Name			common for all transport channels 10.3.5.24		
>UL transport channel information list	OP	1 to <maxtrch ></maxtrch 			
>>UL transport channel information	MP		Added or reconfigured UL TrCH information 10.3.5.2		
>CHOICE mode	OP				
>>FDD					
>>>CPCH set ID	OP		CPCH set ID 10.3.5.5		
>>>Transport channel information for DRAC list	OP	1 to <maxtrch ></maxtrch 			
>>>>DRAC static information	MP		DRAC static information 10.3.5.7		
>>TDD				(no data)	
Downlink transport channels					
>DL Transport channel information common for all transport channels	OP		DL Transport channel information common for all transport channels 10.3.5.6		
>DL transport channel information list	OP	1 to <maxtrch ></maxtrch 			
>>DL transport channel information	MP		Added or reconfigured DL TrCH information 10.3.5.1		

Information Element/Group	Need	Multi	Type and	Semantics description	Version
PhyCH information elements			Tererence		
>TPC Combination Info list	OP	1 to			
		<maxrl></maxrl>			
>>Primary CPICH info	MP		Primary CPICH info 10.3.6.60		
>>TPC combination index	MP		TPC combination index 10.3.6.85		
>Transmission gap pattern sequence	OP	1 to <maxtgp S></maxtgp 			REL-5
>>TGPSI	MP		TGPSI 10.3.6.82		
>> Current TGPS Status Flag	MP		Enumerated(active, inactive)	This flag indicates the current status of the Transmission Gap Pattern Sequence, whether it is active or inactive	
>>TGCFN	CV-Active		Integer (0255)	Connection Frame Number of the latest past frame of the first pattern within the Transmission Gap Pattern Sequence.	
>>Transmission gap pattern sequence configuration parameters	OP				
>>>TGMP	MP		Enumerated(TDD measuremen t, FDD measuremen t, GSM carrier RSSI measuremen t, GSM Initial BSIC identification, GSM BSIC re- confirmation, Multi-carrier measuremen t)	Transmission Gap pattern sequence Measurement Purpose.	
>>>TGPRC	MP		Integer (1511, Infinity)	The number of remaining transmission gap patterns within the Transmission Gap Pattern Sequence.	
>>>TGSN	MP		Integer (014)	Transmission Gap Starting Slot Number The slot number of the first transmission gap slot within the TGCFN.	
>>>1GL1	MP		integer(114	Transmission Gap within the	

Information Element/Group Name	Need	Multi	Type and reference	Semantics description	Version
)	transmission gap pattern expressed in number of slots	
>>>TGL2	MD		Integer (114)	The length of the second Transmission Gap within the transmission gap pattern. If omitted, then TGL2=TGL1. The value of TGL2 shall be	
				"undefined"	
>>>TGD	MP		Integer(152 69, undefined)	Transmission gap distance indicates the number of slots between starting slots of two consecutive transmission gaps within a transmission gap pattern. If there is only one transmission gap in the transmission gap pattern, this parameter shall be set to undefined.	
>>>TGPL1	MP		Integer (1144)	The duration of transmission gap pattern 1.	
>>>TGPL2	MD		Integer (1144)	The duration of transmission gap pattern 2. If omitted, then TGPL2=TGPL1.	
>>>RPP	MP		Enumerated (mode 0, mode 1).	Recovery Period Power control mode during the frame after the transmission gap within the compressed frame. Indicates whether normal PC mode or compressed PC mode is applied	
>>>ITP	MP		Enumerated (mode 0, mode 1).	Initial Transmit Power is the uplink power control method to be used to compute the initial transmit power after the compressed mode gap.	
>>>CHOICE UL/DL mode	MP				
>>>>DL only				Compressed mode used in DL only	
>>>>Downlink compressed mode method	MP		Enumerated (puncturing, SF/2, higher layer scheduling)	Method for generating downlink compressed mode gap	
>>>>UL only				Compressed mode used in UL only	
>>>>Uplink compressed mode method	MP		Enumerated (SF/2, higher layer	Method for generating uplink compressed mode gap	

Information Element/Group	Need	Multi	Type and	Semantics description	Version
Nume			scheduling)		
>>>>UL and DL				Compressed mode used in UL and DL	
>>>>Downlink compressed mode method	MP		Enumerated (puncturing, SF/2, higher layer scheduling)	Method for generating downlink compressed mode gap	
>>>>Uplink compressed mode method	MP		Enumerated (SF/2, higher layer scheduling)	Method for generating uplink compressed mode gap	
>>>Downlink frame type	MP		Enumerated (A, B)		
>>>DeltaSIR1	MP		Real(03 by step of 0.1)	Delta in DL SIR target value to be set in the UE during the frame containing the start of the first transmission gap in the transmission gap pattern (without including the effect of the bit-rate increase)	
>>>DeltaSIRafter1	MP		Real(03 by step of 0.1)	Delta in DL SIR target value to be set in the UE one frame after the frame containing the start of the first transmission gap in the transmission gap pattern.	
>>>DeltaSIR2	OP		Real(03 by step of 0.1)	Delta in DL SIR target value to be set in the UE during the frame containing the start of the second transmission gap in the transmission gap pattern (without including the effect of the bit-rate increase) When omitted, DeltaSIR2 = DeltaSIR1.	
>>>DeltaSIRafter2	OP		Real(03 by step of 0.1)	Delta in DL SIR target value to be set in the UE one frame after the frame containing the start of the second transmission gap in the transmission gap pattern. When omitted, DeltaSIRafter2 = DeltaSIRafter1.	
>>>N Identify abort	CV-Initial BSIC		Integer(112 8)	Indicates the maximum number of repeats of patterns that the UE shall use to attempt to decode the unknown BSIC of the GSM cell in the initial BSIC identification procedure	

Information Element/Group Name	Need	Multi	Type and reference	Semantics description	Version
>>>T Reconfirm abort	CV-Re- confirm BSIC		Real(0.510. 0 by step of 0.5)	Indicates the maximum time allowed for the re-confirmation of the BSIC of one GSM cell in the BSIC re-confirmation procedure. The time is given in steps of 0.5 seconds.	
>Scrambling Code Change List	CH- <i>SF/</i> 2	1 to <maxrl></maxrl>			REL-5
>>Primary CPICH info	MP		Primary CPICH info 10.3.6.60		
>>Scrambling code change	MP		Enumerated (code change, no code change)	Indicates whether the alternative scrambling code is used for compressed mode method 'SF/2'.	
Other Information elements					
>Measurement report	OP		MEASUREM ENT REPORT 10.2.1.9		
>Failure cause	OP		Failure cause 10.3.3.13	Diagnostics information related to an earlier SRNC Relocation request (see NOTE 2 in 14.12.0a)	
>Protocol error information	CV-ProtErr		Protocol error information 10.3.8.12		
MBMS joined information	OP			Included if the UE has joined one or more MBMS services	REL-6
>P-TMSI	OP		P-TMSI (GSM-MAP) 10.3.1.13	In case the UE is in PMM- Idle	REL-6

Multi Bound	Explanation
MaxNoOfMeas	Maximum number of active measurements, upper limit 16

Condition	Explanation
Setup	The IE is mandatory present when the IE Measurement command has the value "Setup", otherwise the IE is not needed.
Ciphering	The IE is mandatory present when the IE Ciphering Status has the value "started" and the ciphering counters need not be reinitialised, otherwise the IE is not needed.
IP	The IE is mandatory present when the IE Integrity protection status has the value "started" and the integrity protection counters need not be reinitialised, otherwise the IE is not needed.
ProtErr	This IE is mandatory present if the IE "Protocol error indicator" is included and has the value "TRUE". Otherwise it is not needed.
SRB1	The IE is mandatory present for RB1. Otherwise it is not needed.
Active	This IE is mandatory present when the value of the IE "Current TGPS Status Flag" is "Active" and not needed otherwise.
Initial BSIC	This IE is mandatory present when the value of the IE "TGMP" is set to "GSM Initial BSIC identification" and not needed otherwise.
Re-confirm BSIC	This IE is mandatory present when the value of the IE "TGMP" is set to "GSM BSIC re-confirmation" and not needed otherwise.
SF/2	The IE is mandatory present if the IE "Transmission Gap Pattern Sequence" is included and has the value "SF/2" as the compressed mode method, and already sent the UE the IE "Scrambling Code Change" for each RL in the active set. Otherwise the IE is not needed.