RP-030683

Title CRs (Rel-4 and Rel-5 Category A) to TS 25.423, TS 25.433 and TS 25.453 (Rel-

5 and Rel-6 Category A) on Information Exchange Initiation behavior

correction

Source TSG RAN WG3

Agenda Item 7.4.6

RAN3 Tdoc	Spec	curr. Vers.	new Vers.	REL	CR	Rev	Cat	Title	Work item
R3-031745	25.423	4.10.0	4.11.0	REL-4	892	-	F	Information Exchange Initiation behavior correction	TEI4
R3-031746	25.423	5.7.0	5.8.0	REL-5	893	-	A	Information Exchange Initiation behavior correction	TEI4
R3-031747	25.433	4.10.0	4.11.0	REL-4	948	-	F	Information Exchange Initiation behavior correction	TEI4
R3-031748	25.433	5.6.0	5.7.0	REL-5	949	-	A	Information Exchange Initiation behavior correction	TEI4
R3-031749	25.453	5.7.0	5.8.0	REL-5	063	-	F	Information Exchange Initiation behavior correction	TEI5
R3-031750	25.453	6.2.0	6.3.0	REL-6	064	-	A	Information Exchange Initiation behavior correction	TEI5

			CHAN	GE RI	EQL	JΕ	ST	-				CR-Form-
ж		25.423	CR <mark>892</mark>	жr	ev	-	ж	Curre	nt vers	sion: 🔏	4.10.0	æ
For <u>HELP</u> on using this form, see bottom of this page or look at the pop-up text over the % symbols.												
Proposed change affects: UICC apps ME Radio Access Network X Core Network												
Title:	ж	Informati	on Exchange Init	iation bel	navior	corı	recti	on				
Source:	æ	RAN3										
Work item code:	æ	TEI4						D	ate: ೫	17/	11/2003	
Category:	æ	F (cor	the following cated rection) rresponds to a corr	•	n oorli		Noos	Use 2		the fol	<mark>-4</mark> llowing rel 1 Phase 2) ase 1996)	

Reason for change: **	The current specification states that "When the <i>Report Characteristics</i> IE is set to "On Modification" or "Periodic", the INFORMATION EXCHANGE INITIATION RESPONSE message shall contain the requested data if the data are available at the moment of receiving the INFORMATION EXCHANGE INITIATION REQUEST" as a result of the approval of CR 855 approved at last RAN Plenary. The "at the moment of receiving the INFORMATION EXCHANGE INITIATION REQUEST" statement is too implementation-specific and implementation-constraining and thus does not allow freedom of implementation.
Summary of change: #	The "at the moment of receiving the INFORMATION EXCHANGE INITIATION REQUEST" statement is removed.
	Impact Analysis:
	Impact assessment towards the previous version of the specification (same release):
	This CR has isolated impact with the previous version of the specification (same release) because it might affect implementations supporting Information Exchange function.
	This CR has an impact under functional point of view.
	The impact can be considered isolated because the change affects one system function namely Information Exchange function.
Consequences if % not approved:	The incorrect procedure text will remain in the specification.

Clauses affected:	₩ 8.	5.6.2.	
	Υ	N	
Other specs	ЖX	Other core specifications # 25.4	23 v 5.7.0 CR 893
		25.4	33 v 4.10.0 CR 948
		25.4	33 v 5.6.0 CR 949
		25.4	53 v 5.7.0 CR 063
		25.4	53 v 6.2.0 CR 064
affected:		X Test specifications	
		X O&M Specifications	
Other comments:	*		

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

8.5.6 Information Exchange Initiation

8.5.6.1 General

This procedure is used by a RNC to request the initiation of an information exchange with another RNC.

This procedure uses the signalling bearer connection for the relevant Distant RNC Context.

8.5.6.2 Successful Operation

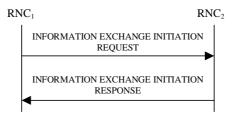


Figure 30F: Information Exchange Initiation procedure, Successful Operation

The procedure is initiated with an INFORMATION EXCHANGE INITIATION REQUEST message sent from RNC₁ to RNC₂.

Upon receipt, the RNC₂ shall provide the requested information according to the parameters given in the request. Unless specified below, the meaning of the parameters are given in other specifications.

Information Report Characteristics:

The Information Report Characteristics IE indicates how the reporting of the information shall be performed.

If the *Information Report Characteristics* IE is set to "On Demand", the RNC₂ shall report the requested information immediately.

If the *Information Report Characteristics* IE is set to "Periodic", the RNC₂ shall report the requested information immediately and then shall periodically initiate the Information Reporting procedure for all the requested information, with the report frequency indicated by the *Information Report Periodicity* IE.

If the *Information Report Characteristics* IE is set to "On –Modification", the RNC₂ shall report the requested information immediately if available. If the requested information is not available at the moment of receiving the INFORMATION EXCHANGE INITIATION REQUEST message, but expected to become available after some acquisition time, the RNC₂ shall initiate the Information Reporting procedure when the requested information becomes available. The RNC2 shall then initiate the Information Reporting procedure in accordance to the following conditions:

- If the *Information Type Item* IE is set to "IPDL Parameters", the RNC₂ shall initiate the Information Reporting procedure when any change in the parameters occurs.
- If the *Information Type Item* IE is set to "DGPS Corrections", the RNC₂ shall initiate the Information Reporting procedure for this specific Information Type when either the PRC has drifted from the previously reported value more than the threshold indicated in the *PRC Deviation* IE or a change has occurred in the IODE.
- If the *Information Type Item* IE is set to "GPS Information" and the *GPS Information Item* IE includes "GPS Navigation Model & Recovery Assistance", the RNC₂ shall initiate the Information Reporting procedure for this specific GPS Information Item when a change has occurred regarding either the IODC or the list of visible satellites, identified by the *SatID* IEs.
- If the *Information Type Item* IE is set to "GPS Information" and the *GPS Information Item* IE includes "GPS Ionospheric Model", the RNC₂ shall initiate the Information Reporting procedure for this specific GPS Information Item when any change has occurred.

- If the *Information Type Item* IE is set to "GPS Information" and the *GPS Information Item* IE includes "GPS UTC Model", the RNC₂ shall initiate the Information Reporting procedure for this specific GPS Information Item when a change has occurred in the t_{ot} or WN_t parameter.
- If the *Information Type Item* IE is set to "GPS Information" and the *GPS Information Item* IE includes "GPS Almanac", the RNC₂ shall initiate the Information Reporting procedure for this specific GPS Information Item when a change in the t_{oa} or WN_a parameter has occurred.
- If the *Information Type Item* IE is set to "GPS Information" and the *GPS Information Item* IE includes "GPS Real-Time Integrity", the RNC₂ shall initiate the Information Reporting procedure for this specific GPS Information Item when any change has occurred.
- If any of the above *Information Type* IEs becomes temporarily unavailable, the RNC₂ shall initiate the Information Reporting procedure for this specific Information Item by indicating "Information Not Available" in the *Requested Data Value Information* IE. If the Information becomes available again, the RNC₂ shall initiate the Information Reporting procedure for this specific Information.

Response message:

If the RNC₂ is able to determine the information requested by the RNC₁, it shall respond with the INFORMATION EXCHANGE INITIATION RESPONSE message. The message shall include the *Information Exchange ID* IE set to the same value that was included in the INFORMATION EXCHANGE INITIATION REQUEST message. When the *Report Characteristics* IE is set to "On Modification" or "Periodic", the INFORMATION EXCHANGE INITIATION RESPONSE message shall contain the *Requested Data Value* IE if the data are available at the moment of receiving the INFORMATION EXCHANGE INITIATION REQUEST. When the *Report Characteristics* IE is set to "On Demand", the INFORMATION EXCHANGE INITIATION RESPONSE message shall contain the *Requested Data Value* IE.

	CHANGE REQUEST										
¥ 25	5.423 CR <mark>893</mark>	жrev	*	Current version	5.7.0	*					
For <u>HELP</u> on using	this form, see bottom of th	is page or loc	k at the	pop-up text ov	er the % sym	nbols.					
Proposed change affects: UICC apps ME Radio Access Network X Core Network											
Title: 第 Inf	formation Exchange Initiati	on behavior c	orrectio	n							
Source: # RA	AN3										
Work item code:	EI4			Date: 第 <mark>1</mark>	7/11/2003						
Deta be f	e one of the following categoric F (correction) A (corresponds to a correct B (addition of feature), C (functional modification) ailed explanations of the above ound in 3GPP TR 21.900. The current specification "On Modification" or "Per	ion in an earlier f feature) re categories ca	release,) R96 (Ri R97 (Ri R98 (Ri R99 (Ri Rel-4 (Ri Rel-5 (Ri Rel-6 (Ri	ofollowing release 1996) elease 1996) elease 1997) elease 1998) elease 1999) elease 4) elease 5) elease 6)	s set to					
	RESPONSE message shape the moment of receiving REQUEST" as a result of The "at the moment of re REQUEST" statement is constraining and thus do	tall contain the the INFORMA the approval ceiving the IN too implemen	e reques TION E of CR 8 FORMA tation-s	sted data if the EXCHANGE INI 356 approved a ATION EXCHAN pecific and imp	data are avai TIATION t last RAN Plo NGE INITIAT lementation-	lable at enary.					
Summary of change: %	The "at the moment of re REQUEST" statement is		FORMA	ATION EXCHAN	NGE INITIAT	ION					
	Impact Analysis:										
	Impact assessment towa release):	rds the previo	us versi	ion of the specit	fication (same	e					
	This CR has isolated imprelease) because it might function.										
	This CR has an impact u	nder functiona	al point o	of view.							
	The impact can be considered function namely Information				ffects one sy	stem					

****** The incorrect procedure text will remain in the specification.

Consequences if

not approved:

Clauses affected:	*	8.5.6	5.2.				
	Y	N					
Other specs	₩	(Other core specifications	Ж	25.423 v 4.10.0	CR 892	
					25.433 v 4.10.0	CR 948	
					25.433 v 5.6.0	CR 949	
					25.453 v 5.7.0	CR 063	
					25.453 v 6.2.0	CR 064	
affected:		X	Test specifications				
		X	O&M Specifications				
045-24-2-2-2-4-2-	00						
Other comments:	*						

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

8.5.6 Information Exchange Initiation

8.5.6.1 General

This procedure is used by an RNC to request the initiation of an information exchange with another RNC.

This procedure uses the signalling bearer connection for the relevant Distant RNC Context.

8.5.6.2 Successful Operation

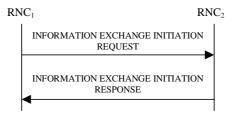


Figure 30F: Information Exchange Initiation procedure, Successful Operation

The procedure is initiated with an INFORMATION EXCHANGE INITIATION REQUEST message sent from RNC₁ to RNC₂.

Upon receipt, the RNC₂ shall provide the requested information according to the parameters given in the request. Unless specified below, the meaning of the parameters are given in other specifications.

Information Report Characteristics:

The Information Report Characteristics IE indicates how the reporting of the information shall be performed.

If the *Information Report Characteristics* IE is set to "On Demand", the RNC₂ shall report the requested information immediately.

If the *Information Report Characteristics* IE is set to "Periodic", the RNC₂ shall report the requested information immediately and then shall periodically initiate the Information Reporting procedure for all the requested information, with the report frequency indicated by the *Information Report Periodicity* IE.

If the *Information Report Characteristics* IE is set to "On Modification", the RNC₂ shall report the requested information immediately if available. If the requested information is not available at the moment of receiving the INFORMATION EXCHANGE INITIATION REQUEST message, but expected to become available after some acquisition time, the RNC₂ shall initiate the Information Reporting procedure when the requested information becomes available. The RNC₂ shall then initiate the Information Reporting procedure in accordance to the following conditions:

- If the *Information Type Item* IE is set to "IPDL Parameters", the RNC₂ shall initiate the Information Reporting procedure when any change in the parameters occurs.
- If the *Information Type Item* IE is set to "DGPS Corrections", the RNC₂ shall initiate the Information Reporting procedure for this specific Information Type when either the PRC has drifted from the previously reported value more than the threshold indicated in the *PRC Deviation* IE or a change has occurred in the IODE.
- If the *Information Type Item* IE is set to "GPS Information" and the *GPS Information Item* IE includes "GPS Navigation Model & Recovery Assistance", the RNC₂ shall initiate the Information Reporting procedure for this specific GPS Information Item when a change has occurred regarding either the IODC or the list of visible satellites, identified by the *SatID* IEs.
- If the *Information Type Item* IE is set to "GPS Information" and the *GPS Information Item* IE includes "GPS Ionospheric Model", the RNC₂ shall initiate the Information Reporting procedure for this specific GPS Information Item when any change has occurred.

- If the *Information Type Item* IE is set to "GPS Information" and the *GPS Information Item* IE includes "GPS UTC Model", the RNC₂ shall initiate the Information Reporting procedure for this specific GPS Information Item when a change has occurred in the t_{ot} or WN_t parameter.
- If the *Information Type Item* IE is set to "GPS Information" and the *GPS Information Item* IE includes "GPS Almanac", the RNC₂ shall initiate the Information Reporting procedure for this specific GPS Information Item when a change in the t_{oa} or WN_a parameter has occurred.
- If the *Information Type Item* IE is set to "GPS Information" and the *GPS Information Item* IE includes "GPS Real-Time Integrity", the RNC₂ shall initiate the Information Reporting procedure for this specific GPS Information Item when any change has occurred.
- If the *Information Type* IE is set to "Cell Capacity Class", the RNC₂ shall initiate the Information Reporting procedure for uplink and downlink cell capacity class when any change has occurred. If either uplink or downlink cell capacity class satisfies the requested report characteristics, the RNC₂ shall report the result of both uplink and downlink cell capacity information.
- If any of the above *Information Type* IEs becomes temporarily unavailable, the RNC₂ shall initiate the Information Reporting procedure for this specific Information Item by indicating "Information Not Available" in the *Requested Data Value Information* IE. If the Information becomes available again, the RNC₂ shall initiate the Information Reporting procedure for this specific Information.

Response message:

If the RNC₂ is able to determine the information requested by the RNC₁, it shall respond with the INFORMATION EXCHANGE INITIATION RESPONSE message. The message shall include the *Information Exchange ID* IE set to the same value that was included in the INFORMATION EXCHANGE INITIATION REQUEST message. When the *Report Characteristics* IE is set to or "On Modification" or "Periodic", the INFORMATION EXCHANGE INITIATION RESPONSE message shall contain the *Requested Data Value* IE if the data are available at the moment of receiving the INFORMATION EXCHANGE INITIATION REQUEST. When the *Report Characteristics* IE is set to "On Demand", the INFORMATION EXCHANGE INITIATION RESPONSE message shall contain the *Requested Data Value* IE.

8.5.6.2.1 Successful Operation for lur-g

The procedure is initiated with an INFORMATION EXCHANGE INITIATION REQUEST message sent from BSS_1 to BSS_2/RNC_2 or by RNC_1 to BSS_2 .

Upon receipt, the BSS₂/RNC₂ shall provide the requested information according to the parameters given in the request. Unless specified below, the meaning of the parameters are given in other specifications.

Information Report Characteristics on Iur-g:

If the *Information Type Item* IE is set to "Cell Capacity Class", the RNC₂/BSS₂ shall initiate measurements and report results as described in section 8.5.6.2.

The *Information Report Characteristics* IE indicates how the reporting of the information shall be performed. This IE is used as described in section 8.5.6.2.

		CHANGE	RFO	ΙΙΕ	ST	ı		CR-Form-v7
		OHANGE		OL.	O .			
¥	25.433 CI	948	жrev	-	¥	Current vers	ion: 4.1	[#] 0.0
For <u>HELP</u> on us	sing this form, s	see bottom of this	page or	look a	at th	e pop-up text	over the	₩ symbols.
	_							
Proposed change a	offects: UICO	C apps 	ME	Rad	lio A	ccess Netwo	·k X Co	ore Network
r roposou onungo u		3 appool] rtac		00000 11011101	K K	oro rectwork
Title: ₩	Information E	xchange Initiation	n behavio	r corr	ection	on		
Source: #	RAN3							
14/0 1/1 : 40 10 00 00 00 00	TELA					Data: 99	47/44/0	0000
Work item code: ₩	TEI4					Date: #	17/11/2	2003
Category: #	F					Release: %	Rel-4	
, , , , , , , , , , , , , , , , , , ,	Use one of the f	ollowing categories	s <i>:</i>			Use one of	the followi	ng releases:
	F (correction					2	(GSM Ph	
	A (corresp	onds to a correction	n in an ear	lier re	lease	e) R96	(Release	
		of feature),				[^] R97	(Release	1997)
		al modification of f	eature)			R98	(Release	,
	D (editorial	modification)	,			R99	(Release	
		ations of the above	categories	can		Rel-4	(Release	4)
	be found in 3GP	P <u>TR 21.900</u> .	-			Rel-5	(Release	5)
						Rel-6	(Release	6)

Reason for change:

** The current specification states that "When the Report Characteristics IE is set to "On Modification" or "Periodic", the INFORMATION EXCHANGE INITIATION RESPONSE message shall contain the requested data if the data are available at the moment of receiving the INFORMATION EXCHANGE INITIATION REQUEST" as a result of the approval of CR 883 approved at last RAN Plenary. The "at the moment of receiving the INFORMATION EXCHANGE INITIATION REQUEST" statement is too implementation-specific and implementationconstraining and thus does not allow freedom of implementation. Summary of change: % The "at the moment of receiving the INFORMATION EXCHANGE INITIATION REQUEST" statement is removed. Impact Analysis: Impact assessment towards the previous version of the specification (same release): This CR has isolated impact with the previous version of the specification (same release) because it might affect implementations supporting Information Exchange function. This CR has an impact under functional point of view. The impact can be considered isolated because the change affects one system function namely Information Exchange function. Consequences if # The incorrect procedure text will remain in the specification.

not approved:

Clauses affected:	ж	8.2.	26.2.				
		YN]				
Other specs	ж	Х	Other core specifications	\mathbf{lpha}	25.423 v 4.10.0	CR 892	
			-		25.423 v 5.7.0	CR 893	
					25.433 v 5.6.0	CR 949	
					25.453 v 5.7.0	CR 063	
					25.453 v 6.2.0	CR 064	
affected:		X	Test specifications				
		X	O&M Specifications				
	•		_				
Other comments:	Ж						

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

8.2.26 Information Exchange Initiation

8.2.26.1 General

This procedure is used by a CRNC to request the initiation of information provisioning from a Node B.

8.2.26.2 Successful Operation

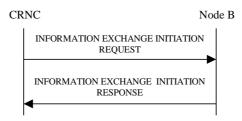


Figure 27L: Information Exchange Initiation procedure, Successful Operation

The procedure is initiated with the INFORMATION EXCHANGE INITIATION REQUEST message sent from the CRNC to the Node B using the Node B Control Port.

Upon reception, the Node B shall provide the requested information according to the *Information Type Item* IE. Unless specified below, the meaning of the parameters are given in other specifications.

Information Report Characteristics

The Information Report Characteristics IE indicates how the reporting of the information shall be performed.

If the *Information Report Characteristics* IE is set to "On Demand", the Node B shall report the requested information immediately.

If the *Information Report Characteristics* IE is set to "Periodic", the Node B shall immediately report the requested information and then shall periodically initiate the Information Reporting procedure for all the requested information, with the requested reporting frequency.

If the *Information Report Characteristics* IE is set to "On Modification", the Node B shall immediately report the requested information if available. If the requested information is not available at the moment of receiving the INFORMATION EXCHANGE INITIATION REQUEST message, but expected to become available after some acquisition time, the Node B shall initiate the Information Reporting procedure when the requested information becomes available. The Node B shall then initiate the Information Reporting procedure in accordance to the following conditions related to the *Information Type* IE:

- 1) If the *Information Type Item* IE is set to "DGPS Corrections", the Node B shall initiate the Information Reporting procedure when either the PRC has drifted from the previously reported value more than the threshold indicated in the *PRC Deviation* IE or a change has occurred in the IODE.
- 2) If the *Information Type Item* IE is set to "GPS Information" and the *GPS Information Item* IE includes "GPS Navigation Model & Time Recovery", the Node B shall initiate the Information Reporting procedure for this specific GPS Information Item when a change has occurred regarding either the IODC or the list of visible satellites, identified by the *SatID* IEs.
- 3) If the *Information Type Item* IE is set to "GPS Information" and the *GPS Information Item* IE includes "GPS Ionospheric Model", the Node B shall initiate the Information Reporting procedure for this specific GPS Information Item when any change has occurred.
- 4) If the Information Type Item IE is set to "GPS Information" and the GPS Information Item IE includes "GPS UTC Model", the Node B shall initiate the Information Reporting procedure for this specific GPS Information Item when a change has occurred in the t_{ot} or WN_t parameter.

- 5) If the *Information Type Item* IE is set to "GPS Information" and the *GPS Information Item* IE includes "GPS Almanac", the Node B shall initiate the Information Reporting procedure for this specific GPS Information Item when a change in the t_{oa} or WN_a parameter has occurred.
- 6) If the *Information Type Item* IE is set to "GPS Information" and the *GPS Information Item* IE includes "GPS Real-Time Integrity", the Node B shall initiate the Information Reporting procedure for this specific GPS Information Item when any change has occurred.
- 7) If any of the above *Information Type* IEs becomes temporarily unavailable, the Node B shall initiate the Information Reporting procedure for this specific Information Item by indicating "Information Not Available" in the *Requested Data Value Information* IE. If the Information becomes available again, the Node B shall initiate the Information Reporting procedure for this specific Information.

Response message

If the Node B is able to initiate the information provision requested by the CRNC, it shall respond with the INFORMATION EXCHANGE INITIATION RESPONSE message sent over the Node B Control Port. The message shall include the same Information Exchange ID that was included in the INFORMATION EXCHANGE INITIATION REQUEST message. When the *Report Characteristics* IE is set to "On Modification" or "Periodic", the INFORMATION EXCHANGE INITIATION RESPONSE message shall contain the requested data if the data are available at the moment of receiving the INFORMATION EXCHANGE INITIATION RESPONSE message shall contain the *Requested Data Value* IE.

	CHANGE REQUEST									
* 2	5.433	CR 949		жrev	-	ж	Current vers	sion:	5.6.0	æ
For <u>HELP</u> on usin	g this for	m, see botto	m of this	page or	look a	at the	e pop-up text	t over	the % sy	mbols.
Proposed change affects: UICC apps% ME Radio Access Network X Core Network										
Title:	nformatio	on Exchange	Initiation	behavio	r corr	ectio	on			
Source: # R	RAN3									
Work item code: 第 T	El4						Date: #	17/	11/2003	
De	Fe one of a F (correct A (correct A (correct B (addo C (fund D (edited expressed found in FESP) The months The months The months REQUITE THE TERMINATION TO THE TERM	responds to a dition of feature ctional modificational model modificational model	correction e), eation of fe tion) he above 900. ication st or "Perior cage shal eiving the esult of tl nt of rece	ates that dic", the I contain e INFOR ne approprietying the o implem	s can "Whe INFO the re MATI val of	en th RMA eque ON I CR ORM	R97 R98 R99 Rel-4 Rel-5 Rel-6 REPORT CHANGE RECHANGE 884 approve ATION EXCHANGE 884 approve ATION EXCHANGE 884 approve ATION EXCHANGE	the formal for the formal formal formal for the formal for	Illowing relatives to the control of	is set to TON ailable at Plenary. TION
Summary of change:	Impaction of the Control of the Cont	at the moment JEST" staten st Analysis: et assessmer se): CR has isolation. CR has an important to the control of the control	nt of rece nent is re nt toward red impac it might a	s the prect with the	vious e prev lemei	vers	sion of the sp s version of th ons supportin	HANG ecificane speng Info	ation (san	ne ı (same Exchange

The incorrect procedure text will remain in the specification.

Consequences if not approved:

Clauses affected:	%	3.2.2	6.2.		
	Y	N			
Other specs	ЖX		Other core specifications #	25.423 v 4.10.0	CR 892
				25.423 v 5.7.0	CR 893
				25.433 v 4.10.0	CR 948
				25.453 v 5.7.0	CR 063
				25.453 v 6.2.0	CR 064
affected:		X	Test specifications		
		X	O&M Specifications		
Other comments:	Ж				

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

8.2.26 Information Exchange Initiation

8.2.26.1 General

This procedure is used by a CRNC to request the initiation of information provisioning from a Node B.

8.2.26.2 Successful Operation

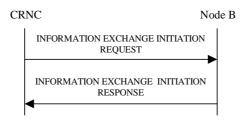


Figure 27L: Information Exchange Initiation procedure, Successful Operation

The procedure is initiated with the INFORMATION EXCHANGE INITIATION REQUEST message sent from the CRNC to the Node B using the Node B Control Port.

Upon reception, the Node B shall provide the requested information according to the *Information Type Item* IE. Unless specified below, the meaning of the parameters are given in other specifications.

Information Report Characteristics

The Information Report Characteristics IE indicates how the reporting of the information shall be performed.

If the *Information Report Characteristics* IE is set to "On Demand", the Node B shall report the requested information immediately.

If the *Information Report Characteristics* IE is set to "Periodic", the Node B shall immediately report the requested information and then shall periodically initiate the Information Reporting procedure for all the requested information, with the requested reporting frequency.

If the *Information Report Characteristics* IE is set to "On Modification", the Node B shall immediately report the requested information if available. If the requested information is not available at the moment of receiving the INFORMATION EXCHANGE INITIATION REQUEST message, but expected to become available after some acquisition time, the Node B shall initiate the Information Reporting procedure when the requested information becomes available. The Node B shall then initiate the Information Reporting procedure in accordance to the following conditions related to the *Information Type* IE:

- 1) If the *Information Type Item* IE is set to "DGPS Corrections", the Node B shall initiate the Information Reporting procedure when either the PRC has drifted from the previously reported value more than the threshold indicated in the *PRC Deviation* IE or a change has occurred in the IODE.
- 2) If the *Information Type Item* IE is set to "GPS Information" and the *GPS Information Item* IE includes "GPS Navigation Model & Time Recovery", the Node B shall initiate the Information Reporting procedure for this specific GPS Information Item when a change has occurred regarding either the IODC or the list of visible satellites, identified by the *SatID* IEs.
- 3) If the *Information Type Item* IE is set to "GPS Information" and the *GPS Information Item* IE includes "GPS Ionospheric Model", the Node B shall initiate the Information Reporting procedure for this specific GPS Information Item when any change has occurred.
- 4) If the Information Type Item IE is set to "GPS Information" and the GPS Information Item IE includes "GPS UTC Model", the Node B shall initiate the Information Reporting procedure for this specific GPS Information Item when a change has occurred in the t_{ot} or WN_t parameter.

- 5) If the *Information Type Item* IE is set to "GPS Information" and the *GPS Information Item* IE includes "GPS Almanac", the Node B shall initiate the Information Reporting procedure for this specific GPS Information Item when a change in the t_{oa} or WN_a parameter has occurred.
- 6) If the *Information Type Item* IE is set to "GPS Information" and the *GPS Information Item* IE includes "GPS Real-Time Integrity", the Node B shall initiate the Information Reporting procedure for this specific GPS Information Item when any change has occurred.
- 7) If any of the above *Information Type* IEs becomes temporarily unavailable, the <u>Node B</u> shall initiate the Information Reporting procedure for this specific Information Item by indicating "Information Not Available" in the *Requested Data Value Information* IE. If the Information becomes available again, the <u>Node B</u> shall initiate the Information Reporting procedure for this specific Information.

Response message

If the Node B is able to initiate the information provision requested by the CRNC, it shall respond with the INFORMATION EXCHANGE INITIATION RESPONSE message sent over the Node B Control Port. The message shall include the same Information Exchange ID that was included in the INFORMATION EXCHANGE INITIATION REQUEST message. When the *Report Characteristics* IE is set to "On Modification" or "Periodic", the INFORMATION EXCHANGE INITIATION RESPONSE message shall contain the requested data if the data are available at the moment of receiving the INFORMATION EXCHANGE INITIATION RESPONSE message shall contain the *Requested Data Value* IE.

	CHANGE REQUEST										
* 2	25.453 CR <mark>063</mark>	жrev -	₩ Current	ersion:	5.7.0	æ					
For <u>HELP</u> on usin	ng this form, see bottom of th	is page or look	at the pop-up	text over	the % syn	nbols.					
Proposed change aff	<i>fects:</i> UICC apps ⋇	ME Rad	dio Access Ne	twork X	Core Ne	twork					
Title: 第 I	nformation Exchange Initiation	on behavior cor	rection								
Source: # F	RAN3										
Work item code: 第 1	TEI5		Date	e: ¥ <mark>17</mark>	/11/2003						
De	See one of the following categories F (correction) A (corresponds to a correction) B (addition of feature), C (functional modification of the properties of the properties) etailed explanations of the above of found in 3GPP TR 21.900.	on in an earlier re feature)	2	e of the fo (GSI (Rele (Rele (Rele 4 (Rele 5 (Rele	el-5 ollowing rele M Phase 2) ease 1996) ease 1997) ease 1999) ease 4) ease 5) ease 6)	eases:					
Reason for change:	** The current specification "On Modification" or "Peri RESPONSE message shathe moment of receiving the REQUEST". The "at the mINITIATION REQUEST" simplementation-constrain	odic", the INFO all contain the r he INFORMAT noment of recei statement is too	RMATION EX equested data ON EXCHAN ving the INFO implementation	CHANG if the da GE INITI RMATIC on-specif	E INITIATI ata are ava ATION ON EXCHA fic and	ON ilable at NGE					
Summary of change:	## The "at the moment of rec REQUEST" statement is	ceiving the INFO	DRMATION E	KCHANO	GE INITIAT	ION					
	Impact Analysis: Impact assessment towar release): This CR has isolated imparelease) because it might function. This CR has an impact un	act with the pre affect impleme	vious version on the suppositions supposite the supposite	of the sp	ecification	(same					
	The impact can be considered function namely Information			ange aff	ects one sy	ystem					
Consequences if not approved:	# The incorrect procedure to	ext will remain i	n the specifica	ition.							

Clauses affected:	第 8.3.2.
Other specs	Y N K X Other core specifications % 25.423 v 4.10.0 CR 892
Other specs	25.423 v 5.7.0 CR 893
	25.433 v 4.10.0 CR 948
	25.433 v 5.6.0 CR 949
	25.453 v 6.2.0 CR 064
affected:	X Test specifications
	X O&M Specifications
Other comments:	HE

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

8.3 Information Exchange Initiation

8.3.1 General

This procedure is used by a RNC to request the initiation of an information exchange with a SAS.

This procedure uses the signalling bearer connection for the Information Exchange Context.

8.3.2 Successful Operation

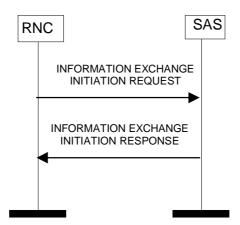


Figure 3: Information Exchange Initiation procedure, Successful Operation

The procedure is initiated with an INFORMATION EXCHANGE INITIATION REQUEST message sent from RNC to SAS.

If the *Information Type* IE is set to 'Implicit', the SAS is responsible for selecting the type of assistance data.

Upon reception, the SAS shall provide the requested information according to the parameters given in the request. Unless specified below, the meaning of the parameters are given in other specifications.

Information Report Characteristics:

The Information Report Characteristics IE indicates how the reporting of the information shall be performed.

If the *Information Report Characteristics* IE is set to 'On-Demand', the SAS shall report the requested information immediately.

If the *Information Report Characteristics* IE is set to "Periodic", the SAS shall report the requested information immediately and then shall periodically initiate the Information Reporting procedure for all the requested information, with the requested report frequency.

If the *Information Report Characteristics* IE is set to "On-Modification", the SAS shall report the requested information immediately if available. If the requested information is not available at the moment of receiving the INFORMATION EXCHANGE INITIATION REQUEST message, but expected to become available after some acquisition time, the SAS shall initiate the Information Reporting procedure when the requested information becomes available. The SAS shall then initiate the Information Reporting procedure in accordance to the following conditions:

- If the *Information Type* IE is set to "Explicit" and the *Explicit Information Item* IE includes "Almanac and Satellite Health", the SAS shall initiate the Information Reporting procedure for this specific Explicit Information Type when a change in the t_{oa} or WN_a parameter has occurred in almanac/health information for at least one visible satellite.
- If the *Information Type* IE is set to "Explicit" and the *Explicit Information Item* IE includes "UTC Model", the SAS shall initiate the Information Reporting procedure for this specific Explicit Information Type when a change in the t_{ot} or WN_t parameter has occurred in the GPS UTC model.

- If the *Transmission TOW Indicator* IE is set to "requested", then the SAS shall include the *GPS Transmission TOW* IE in the INFORMATION REPORT message.
- If the *Information Type* IE is set to 'Explicit' and the *Explicit Information Item* IE includes "Ionospheric Model", the SAS shall initiate the Information Reporting procedure for this specific Explicit Information Type when a change has occurred in the GPS ionospheric model.
 - If the *Transmission TOW Indicator* IE is set to "requested", then the SAS shall include the *GPS Transmission TOW* IE in the INFORMATION REPORT message.
- If the *Information Type* IE is set to "Explicit" and the *Explicit Information Item* IE includes "Navigation Model", the SAS shall initiate the Information Reporting procedure for this specific Explicit Information Type when a change has occurred in the clock/ephemeris information for at least one visible satellite or in the list of visible satellites.
 - If the *Transmission TOW Indicator* IE is set to "requested", then the SAS shall include the *GPS Transmission TOW* IE in the INFORMATION REPORT message.
- If the *Information Type* IE is set to "Explicit" and the *Explicit Information Item* IE includes "DGPS Corrections", the SAS shall initiate the Information Reporting procedure for this specific Explicit Information Type when a change has occurred in the quality of the DGPS corrections information for at least one visible satellite or in the list of visible satellites.
- If the *Information Type* IE is set to "Explicit" and the *Explicit Information Item* IE includes "Reference Time", the SAS shall initiate the Information Reporting procedure for this specific Explicit Information Type when a change has occurred in the time-of-week assistance information for at least one visible satellite or in the list of visible satellites.
- If the *Information Type* IE is set to "Explicit" and the *Explicit Information Item* IE includes "Acquisition Assistance", the SAS shall initiate the Information Reporting procedure for this specific Explicit Information Type when a change has occurred in acquisition assistance information for at least one visible satellite or in the list of visible satellites.
- If the *Information Type* IE is set to "Explicit" and the *Explicit Information Item* IE includes "Real Time Integrity", the SAS shall initiate the Information Reporting procedure for this specific Explicit Information Type when a change has occurred in the real-time integrity status of at least one visible satellite.
- If the *Information Type* IE is set to "Explicit" and the *Explicit Information Item* IE includes "Almanac and Satellite Health SIB", the SAS shall initiate the Information Reporting procedure for this specific Explicit Information Type when a change has occurred in almanac/health information for at least one visible satellite.
 - If the *Transmission TOW Indicator* IE is set to "requested", then the SAS shall include the *GPS Transmission TOW* IE in the INFORMATION REPORT message.
- If any of the above *Information Type* IEs becomes temporarily unavailable, the SAS shall initiate the Information Reporting procedure for this specific Information Item by indicating "Information Not Available" in the *Requested Data Value Information* IE. If the Information becomes available again, the SAS shall initiate the Information Reporting procedure for this specific Information.

Response message:

If the SAS is able to determine the information requested by the RNC, it shall respond with the INFORMATION EXCHANGE INITIATION RESPONSE message. The message shall include the same Information Exchange ID that was included in the INFORMATION EXCHANGE INITIATION REQUEST message. When the *Report Characteristics* IE is set to "On Modification" or "Periodic", the INFORMATION EXCHANGE INITIATION RESPONSE message shall contain the *Requested Data Value* IE if the data are available at the moment of receiving the INFORMATION EXCHANGE INITIATION REQUEST. When the *Report Characteristics* IE is set to "On Demand", the INFORMATION EXCHANGE INITIATION RESPONSE message shall contain the *Requested Data Value* IE.

When the response message includes data to be reported (see above), the SAS shall include at least one IE in the *Requested Data Value* IE.

CR-Form-v7 CHANGE REQUEST							
*	25.453 CR 064	≋rev -	₩ C	Current versi	6.2.	e m	
For <u>HELP</u> on using this form, see bottom of this page or look at the pop-up text over the % symbols.							
Proposed change affects: UICC apps ME Radio Access Network Core Network							
Title: 第	Information Exchange Initiati	on behavior co	rrection				
Source: #	RAN3						
Work item code: ₩	TEI5			Date: ₩	17/11/2003	3	
	A Use one of the following categoric F (correction) A (corresponds to a correct B (addition of feature), C (functional modification) D (editorial modification) Detailed explanations of the above be found in 3GPP TR 21.900.	ion in an earlier i f feature)	release)	Use <u>one</u> of the 2 R96 R97 R98 R99 Rel-4 Rel-5	Rel-6 the following r (GSM Phase (Release 199 (Release 199 (Release 199 (Release 4) (Release 5) (Release 6)	2) 6) 7) 8)	
Reason for change	"On Modification" or "Per RESPONSE message sh the moment of receiving REQUEST". The "at the in INITIATION REQUEST" implementation-constrain	iodic", the INFO nall contain the the INFORMAT moment of rece statement is to	ORMAT request FION Exercises the contract of t	ION EXCHA ted data if the KCHANGE I the INFORMA mentation-sp	ANGE INITIANE data are a NITIATION ATION EXCH	ATION vailable at HANGE	
Summary of change	e: # The "at the moment of re REQUEST" statement is		ORMA ⁻	TION EXCH	IANGE INITI	ATION	
	Impact Analysis:						
	Impact assessment towards the previous version of the specification (same release):					ame	
	This CR has isolated impact with the previous version of the specification (same release) because it might affect implementations supporting Information Exchanging function.						
	This CR has an impact u	This CR has an impact under functional point of view.					
	The impact can be considered function namely Information				e affects one	system	

**** The incorrect procedure text will remain in the specification.**

Consequences if not approved:

Clauses affected:	第 8.3.2.
Other specs	Y N X Other core specifications 25.423 v 4.10.0 CR 892
	25.423 v 5.7.0 CR 893
	25.433 v 4.10.0 CR 948 25,433 v 5.6.0 CR 949
	25.453 v 5.7.0 CR 063
affected:	X Test specifications
	X O&M Specifications
Other comments:	%

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

8.3 Information Exchange Initiation

8.3.1 General

This procedure is used by a RNC to request the initiation of an information exchange with a SAS.

This procedure uses the signalling bearer connection for the Information Exchange Context.

8.3.2 Successful Operation

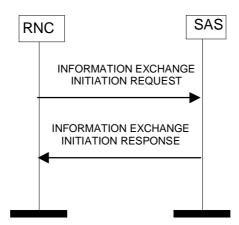


Figure 3: Information Exchange Initiation procedure, Successful Operation

The procedure is initiated with an INFORMATION EXCHANGE INITIATION REQUEST message sent from RNC to SAS.

If the *Information Type* IE is set to 'Implicit', the SAS is responsible for selecting the type of assistance data.

Upon reception, the SAS shall provide the requested information according to the parameters given in the request. Unless specified below, the meaning of the parameters are given in other specifications.

Information Report Characteristics:

The Information Report Characteristics IE indicates how the reporting of the information shall be performed.

If the *Information Report Characteristics* IE is set to 'On-Demand', the SAS shall report the requested information immediately.

If the *Information Report Characteristics* IE is set to "Periodic", the SAS shall report the requested information immediately and then shall periodically initiate the Information Reporting procedure for all the requested information, with the requested report frequency.

If the *Information Report Characteristics* IE is set to "On-Modification", the SAS shall report the requested information immediately if available. If the requested information is not available at the moment of receiving the INFORMATION EXCHANGE INITIATION REQUEST message, but expected to become available after some acquisition time, the SAS shall initiate the Information Reporting procedure when the requested information becomes available. The SAS shall then initiate the Information Reporting procedure in accordance to the following conditions:

- If the *Information Type* IE is set to "Explicit" and the *Explicit Information Item* IE includes "Almanac and Satellite Health", the SAS shall initiate the Information Reporting procedure for this specific Explicit Information Type when a change in the t_{oa} or WN_a parameter has occurred in almanac/health information for at least one visible satellite.
- If the *Information Type* IE is set to "Explicit" and the *Explicit Information Item* IE includes "UTC Model", the SAS shall initiate the Information Reporting procedure for this specific Explicit Information Type when a change in the t_{ot} or WN_t parameter has occurred in the GPS UTC model.

- If the *Transmission TOW Indicator* IE is set to "requested", then the SAS shall include the *GPS Transmission TOW* IE in the INFORMATION REPORT message.
- If the *Information Type* IE is set to 'Explicit' and the *Explicit Information Item* IE includes "Ionospheric Model", the SAS shall initiate the Information Reporting procedure for this specific Explicit Information Type when a change has occurred in the GPS ionospheric model.
 - If the *Transmission TOW Indicator* IE is set to "requested", then the SAS shall include the *GPS Transmission TOW* IE in the INFORMATION REPORT message.
- If the *Information Type* IE is set to "Explicit" and the *Explicit Information Item* IE includes "Navigation Model", the SAS shall initiate the Information Reporting procedure for this specific Explicit Information Type when a change has occurred in the clock/ephemeris information for at least one visible satellite or in the list of visible satellites.
 - If the *Transmission TOW Indicator* IE is set to "requested", then the SAS shall include the *GPS Transmission TOW* IE in the INFORMATION REPORT message.
- If the *Information Type* IE is set to "Explicit" and the *Explicit Information Item* IE includes "DGPS Corrections", the SAS shall initiate the Information Reporting procedure for this specific Explicit Information Type when a change has occurred in the quality of the DGPS corrections information for at least one visible satellite or in the list of visible satellites.
- If the *Information Type* IE is set to "Explicit" and the *Explicit Information Item* IE includes "Reference Time", the SAS shall initiate the Information Reporting procedure for this specific Explicit Information Type when a change has occurred in the time-of-week assistance information for at least one visible satellite or in the list of visible satellites.
- If the *Information Type* IE is set to "Explicit" and the *Explicit Information Item* IE includes "Acquisition Assistance", the SAS shall initiate the Information Reporting procedure for this specific Explicit Information Type when a change has occurred in acquisition assistance information for at least one visible satellite or in the list of visible satellites.
- If the *Information Type* IE is set to "Explicit" and the *Explicit Information Item* IE includes "Real Time Integrity", the SAS shall initiate the Information Reporting procedure for this specific Explicit Information Type when a change has occurred in the real-time integrity status of at least one visible satellite.
- If the *Information Type* IE is set to "Explicit" and the *Explicit Information Item* IE includes "Almanac and Satellite Health SIB", the SAS shall initiate the Information Reporting procedure for this specific Explicit Information Type when a change has occurred in almanac/health information for at least one visible satellite.
 - If the *Transmission TOW Indicator* IE is set to "requested", then the SAS shall include the *GPS Transmission TOW* IE in the INFORMATION REPORT message.
- If any of the above *Information Type* IEs becomes temporarily unavailable, the SAS shall initiate the Information Reporting procedure for this specific Information Item by indicating "Information Not Available" in the *Requested Data Value Information* IE. If the Information becomes available again, the SAS shall initiate the Information Reporting procedure for this specific Information.

Response message:

If the SAS is able to determine the information requested by the RNC, it shall respond with the INFORMATION EXCHANGE INITIATION RESPONSE message. The message shall include the same Information Exchange ID that was included in the INFORMATION EXCHANGE INITIATION REQUEST message. When the *Report Characteristics* IE is set to "On Modification" or "Periodic", the INFORMATION EXCHANGE INITIATION RESPONSE message shall contain the *Requested Data Value* IE if the data are available at the moment of receiving the INFORMATION EXCHANGE INITIATION REQUEST. When the *Report Characteristics* IE is set to "On Demand", the INFORMATION EXCHANGE INITIATION RESPONSE message shall contain the *Requested Data Value* IE.

When the response message includes data to be reported (see above), the SAS shall include at least one IE in the *Requested Data Value* IE.