NP-030496

3GPP TSG CN Plenary Meeting #22 10th – 12th December 2003 Maui, USA.

Source: TSG CN WG4

Title: Corrections on Camel Phase 2

Agenda item: 7.2

Document for: APPROVAL

Spec	CR	Rev	Doc-2nd-Level	Phase	Subject	Cat	Ver_C
03.18	A070	1	N4-031290	R97	MAP and CAP 3G SAI mapping to 2G CellIDorLAI Location Information parameter	F	6.7.0
03.18	A071		N4-031130	R98	MAP and CAP 3G SAI mapping to 2G CellIDorLAI Location Information parameter	Α	7.4.0

3GPP TSG CN WG2 Meeting #31 Bangkok, Thailand, $27^{th} - 31^{st}$ Oct 2003

			NI A NI O			_			CR-Form-v7
		(CHANG	E REQ	UES	Γ			
*	03.1	8 CR	A070	жrev	1 **	Current vers	sion:	6.7.0	æ
For <mark>HELP</mark> on u	_				_			•	
Proposed change	affects:	UICC a	pps Ж	ME	Radio	Access Netwo	rk	Core Ne	etwork <mark>X</mark>
Title: 第	MAP a	nd CAP 3	G SAI map	ping to 2G (CellIDorL	Al Location In	format	tion parar	meter
Source: #	CN4								
Work item code: ₩	CAME	L2				Date: ₩	27.1	10.2003	
Reason for change Summary of change Consequences if not approved:	Use one F (C A (I B (A C (I D	of the follocorrection) correspond addition of functional in editorial mi explanatio in 3GPP] CAMEL1 calliportal arameter. coument to was also talking at mote is ac confusion of ter-workin	feature), modification of odification of odification) ns of the about 21.900. Or CAMEL2 CAP and Management of the same of the same of the same of the same of the cout "CellID" and the cellID" are cellID" and the cellID" and the cellID" and the cellID" and the cellID" are cellID" are cellID" and the cellID" are	etion in an earlor feature) Ove categorie Ove cat	G envireter, with eps popped MAP had be fixenent. APv1 and packed	R97 R98 R99 Rel-4 Rel-5 Rel-6 conment then S in LocationInfoing up, so it may be considered as well.	the foli (GSM (Release (Releas	lowing rele Phase 2) ase 1996) ase 1997) ase 1998) ase 1999) ase 5) ase 6) y be map on main useful to	oped to but 03.18
Clauses affected: Other specs affected: Other comments:	*	N X Other X Test : X O&M	core specification Specification Specification 03.78 refersed	fications as as to 03.18. Note the SAI is	# No descr	ption of its ow to the same p	aramet		
	-	indicate R96 CAN	the possibil MEL1 spec	ity of SAI in is not chang	R99. jed. This	R97&R98 CA			

-- For information, MAP ASN.1 --

LocationInformation ::= SEQUENCE {					
ageOfLocationInformation	AgeOfLocationInformation	OPTIONAL,			
geographicalInformation	[0] GeographicalInformation	OPTIONAL,			
vlr-number	[1] ISDN-AddressString	OPTIONAL,			
locationNumber	[2] LocationNumber	OPTIONAL,			
cellIdOrLAI	[3] CellIdOrLAI	OPTIONAL,			
extensionContainer	[4] ExtensionContainer	OPTIONAL,			
}					

-- For information, 03.78 IDP --

Location Information contains the following information:

Information element name		MF	MT	Description
Location Number		-	С	See 3GPP TS 03.18 [3].
CellIdOrLAI	M	-	C	See 3GPP TS 03.18 [3].
Geographical Information	С	-	С	See 3GPP TS 03.18 [3].
Age Of Location Information	М	-	С	See 3GPP TS 03.18 [3].
VLR number	М	-	С	See 3GPP TS 03.18 [3].

M Mandatory (The IE shall always be sent)

- C Conditional (The IE shall be sent, if available)
- Not applicable

-- First modified section --

8.3.5.1 Location information

The compound information element Location information consists of the following subordinate information elements:

Information element name	Required	Description
Location number	С	For a definition of this information element, see ETS 300 356-1 [Error! Reference source not found.]. Shall be present if the VLR can derive it from the stored cell global identity or location area identity; otherwise shall be absent. The mapping from cell ID and location area to location number is network-specific and outside the scope of the GSM standard.
Cell ID or LAI	С	Cell global identity of the cell or Location Area identity in which the MS is currently in radio contact or in which the MS was last in radio contact. Shall be present if the subscriber record is marked as confirmed by radio contact; otherwise shall be absent. If CAMEL phase 1 or 2, or MAP pre-R99 is used in a 3G radio access of R99 or later network element then this IE may contain the 3G Service Area Identity (SAI). The encoding of SAI is identical to the Cell Global ID.
Geographical information	С	For a definition of this information element, see GSM 03.32 (Universal Geographical Area Description). Shall be present if the VLR can derive it from the stored cell global identity or location area identity; otherwise shall be absent.
VLR number	0	E.164 number which identifies the VLR (see GSM 03.03 [Error! Reference source not found.]). If the HLR receives it from the VLR it shall ignore it.
Age of location information	С	Measured in minutes. Shall be present if available in the MSC/VLR; otherwise shall be absent.

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	CHANG	GE REQUEST		CR-Form-v7		
*	03.18 CR A071	#rev - [₩]	Current version: 7.4.0	¥		
For <u>HELP</u> on u	ng this form, see bottom of	f this page or look at th	e pop-up text over the ₩ sym	nbols.		
Proposed change a	fects: UICC apps第	ME Radio A	ccess Network Core Ne	twork X		
Title: 第	MAP and CAP 3G SAI ma	pping to 2G CellIDorLA	Al Location Information param	neter		
Source: #	CN4					
Work item code: ₩	CAMEL2		Date: # 29.10.2003			
Category: #	Jse <u>one</u> of the following categ <i>F</i> (correction) A (corresponds to a corre <i>B</i> (addition of feature), C (functional modification <i>D</i> (editorial modification) Detailed explanations of the above found in 3GPP TR 21.900.	ection in an earlier release n of feature) pove categories can	R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) Rel-4 (Release 4) Rel-5 (Release 5) Rel-6 (Release 6)			
Reason for change	CellIDorLAI CAP and parameter. The same document this possibilit was also noticed the is talking about "CellII	MAP parameter, withing question keeps popping ility. at CAMEL and MAP has D". This should be fixed	nment then SAI may be mapped LocationInformation maining up, so it may be useful to ave CellIDOrLAI parameter, but as well.			
Consequences if not approved:	Inter-working problem	how to use CAPv1 and	CAPv2 and pre-R99 MAP in to CellGlobalID because recent arameter.			
Clauses affected:	*					
Other specs affected:	Y N X Other core specification X O&M Specification	ons				
Other comments:	 In R99 and onward separate indicator indicate the possib R96 CAMEL1 spec 	that it contains SAI. Alsoility of SAI in R99.	o the same parameter, and the so the parameter name is charged the control of the	anged to		

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VLR number	М	-	С	See 3GPP TS 03.18 [3].

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