3GPP TSG_CN Plenary Meeting #8, Dusseldorf, Germany 21st – 23rd June 2000.

Source:TSG_N WG 2Title:CRs to 3G Work Item CAMEL phase 2 - Stage 3Agenda item:6.1.2Document for:APPROVAL

Introduction:

This document contains 3 CRs on Work Item CAMEL phase 2 (C1), that have been agreed by TSG_N WG 2, and are forwarded to TSG_N Plenary meeting #8 for approval.

Tdoc	Spec	CR	Rev	CAT	Rel.	Old Ver	New Ver	Subject
N2-000226	09.78	A075	2	F	R97	6.4.0	6.5.0	Clarification of encoding of CollectedDigits
N2-000227	09.78	A076	2	А	R98	7.0.0	7.1.0	Clarification of encoding of CollectedDigits
N2-000228	29.078	096	2	А	R99	3.3.0	3.4.0	Clarification of encoding of CollectedDigits

3GPP TSG-CN WG4 Rotenburg GERMANY 22-26 May 2000

Document N2-000226

e.g. for 3GPP use the format TP-99xxx or for SMG, use the format P-99-xxx

			CHANG	EF	REQI	JES	Pleas page			ile at the bottom of t to fill in this form co	
			09.7	8	CR	A0	75r2	Currer	nt Versio	on: <u>6.4.0</u>	
GSM (AA.BB) or	3G (AA.BBB) specific	cation number \uparrow				↑ CR numbe	r as allocated	l by MCC s	support team	
For submissic	al me	eting # here 1	for i	nfor	oproval mation	X			strate n-strate	gic use of	only)
Proposed cha (at least one should b	nge	e affects:	version 2 for 3GPP and S	SMG	The latest			N / Radio	://ftp.3gpp.o	rg/Information/CR-For	
Source:		N2							Date:	25.05.00	
Subject:		Clarificatio	n of encoding o	of Co	ollected	Digits a	and Digits	Respons	e		
Work item:		CAMEL Ph	ase 2								
Category: (only one category shall be marked with an X)	F A B C D	CorrectionXRelease:Phase 2Corresponds to a correction in an earlier releaseRelease 96Release 96Addition of featureRelease 97XFunctional modification of featureRelease 98									
<u>Reason for</u> <u>change:</u>		to be colled	ompt and Collected from the s to collect non	ubso	criber ar	nd the	gsmSRF	reports th	ne digits	s received. It s	
Clauses affect	ted										
Other specs affected:	C N E		ecifications		X -	\rightarrow List \rightarrow List \rightarrow List	of CRs: of CRs: of CRs: of CRs: of CRs: of CRs:	CR 29.0 CR 09.7		76	
<u>Other</u> comments:			on is considere guration. There						is requi	ired to allow n	nulti-
help.doc											

<-----

*** First Modification ***

CollectedDigits minimumNbOfDigits maximumNbOfDigits	<pre>::= SEQUENCE { [0] INTEGER (116) [1] INTEGER (116),</pre>	DEFAULT 1,		
endOfReplyDigit	[2] OCTET STRING (SIZE (12))	OPTIONAL,		
cancelDigit	[3] OCTET STRING (SIZE (12))	OPTIONAL,		
startDigit	[4] OCTET STRING (SIZE (12))	OPTIONAL,		
firstDigitTimeOut	[5] INTEGER (1127)	OPTIONAL,		
interDigitTimeOut	[6] INTEGER (1127)	OPTIONAL,		
errorTreatment	[7] ErrorTreatment	DEFAULT stdErrorAndInfo,		
interruptableAnnInd	[8] BOOLEAN	DEFAULT TRUE,		
voiceInformation	[9] BOOLEAN	DEFAULT FALSE,		
voiceBack	[10] BOOLEAN	DEFAULT FALSE		
1				

}

The use of voiceBack and the support of voice recognition via voiceInformation is _ _

_ _ network operator specific. The endOfReplyDigit, cancelDigit, and startDigit parameters

have been designated as OCTET STRING, and are to be encoded as BCD, one digit per octet only, contained in the four least significant bits of each OCTET. <u>The following encoding shall</u> _ _ _ _

be applied for the non-decimal characters: 1011 (*), 1100 (#).

*** Next Modification ***

Digits

::= OCTET STRING (SIZE (minDigitsLength .. maxDigitsLength))

Indicates the address signalling digits. Refer to the ETS 300 356-1 [3] Generic Number

and Generic Digits parameters for encoding. The coding of the subfields "NumberQualifier" _ _

- _ _ in Generic Number and "Type Of Digits" in Generic Digits are irrelevant to the CAP, the
- ASN.1 tags are sufficient to identify the parameter. The ISUP format does not allow to _ _
- exclude these subfields, therefore they shall be sent. The value is network operator specific. _ _
- _ _

The following parameters should use Generic Number: _ _

- _ _ AdditionalCallingPartyNumber for InitialDP
- AssistingSSPIPRoutingAddress for EstablishTemporaryConnection --
- _ _ CorrelationID for AssistRequestInstructions

_ _ _ _

The following parameters should use Generic Digits: _ _ CorrelationID in EstablishTemporaryConnection

___ number in VariablePart

_ _ digitsResponse in ReceivedInformationArg

In the digitsResponse the digits may also include the '*', '#', a, b , c and d digits by using the IA5 character encoding scheme. If the BCD even or BCD odd encoding scheme is used, the follwing encoding shall be applied for the non-decimal characters: ___

1011 (*), 1100 (#). Note that when CorrelationID is transported in Generic Digits, then the digits shall

always be BCD encoded. _ _

The usage is service dependent.

3GPP TSG-CN WG4 Rotenburg GERMANY 22-26 May 2000

Document N2-000227

e.g. for 3GPP use the format TP-99xxx or for SMG, use the format P-99-xxx

		CHANGE I	REQI	JEST	Please page fo	see embedded I or instructions on			
		09.78	CR	A07	6r2	Current Ve	ersion:	7.0.0	
GSM (AA.BB) or 30	G (AA.BBB) specific	ation number ↑		¢	CR number a	as allocated by M	ICC suppo	rt team	
For submission	meetin <mark>g # here</mark> ↑	for infor		X		non-str	-	(for SM use onl	ly)
For Proposed chan (at least one should be	ge affects:	ersion 2 for 3GPP and SMG	The latest	version of th	is form is availa	able from: ftp://ftp.3 / Radio	_	rmation/CR-Form-	
Source:	N2					Da	te: 25	.05.00	
Subject:	Clarification	n of encoding of C	ollected	Digits ar	nd DigitsF	Response			
Work item:	CAMEL Ph	ase 2							
Category: F // (only one category E shall be marked C	F Correction A Corresponds to a correction in an earlier release B Addition of feature C Functional modification of feature D Editorial modification Via the Prompt and Collect User Information operation the gsmSCF requests the digits to be collected from the subscriber and the gsmSRF reports the digits received. It shall								
Clauses affecte		to collect non dec	L			5			
Other specs affected:	Other 3G co	cifications	X -	ightarrow List c ightarrow List c ightarrow List c ightarrow List c ightarrow List c	of CRs: of CRs: of CRs:	CR 29.078- CR 09.78-A			
<u>Other</u> comments:		on is considered a guration. Therefore					equired	to allow mu	ılti-
help.doc									

<-----

*** First Modification ***

::= SEOUENCE { CollectedDigits minimumNbOfDigits [0] INTEGER (1..16) DEFAULT 1, [1] INTEGER (1..16), maximumNbOfDigits endOfReplyDigit [2] OCTET STRING (SIZE (1..2)) OPTIONAL, cancelDigit [3] OCTET STRING (SIZE (1..2)) OPTIONAL, [4] OCTET STRING (SIZE (1..2)) startDigit OPTIONAL, firstDigitTimeOut [5] INTEGER (1..127) OPTIONAL, [6] INTEGER (1..127) interDigitTimeOut OPTIONAL, [7] ErrorTreatment errorTreatment DEFAULT stdErrorAndInfo. interruptableAnnInd [8] BOOLEAN DEFAULT TRUE, voiceInformation [9] BOOLEAN DEFAULT FALSE, [10] BOOLEAN DEFAULT FALSE voiceBack The use of voiceBack and the support of voice recognition via voiceInformation is _ _ _ _ network operator specific. The endOfReplyDigit, cancelDigit, and startDigit parameters have been designated as OCTET STRING, and are to be encoded as BCD, one digit per octet _ _ only, contained in the four least significant bits of each OCTET. The following encoding shall _ _ be applied for the non-decimal characters: 1011 (*), 1100 (#). The usage is service dependent. Digits ::= OCTET STRING (SIZE (minDigitsLength .. maxDigitsLength)) Indicates the address signalling digits. Refer to the ETS 300 356-1 [3] Generic Number and Generic Digits parameters for encoding. The coding of the subfields "NumberQualifier" _ _ in Generic Number and "Type Of Digits" in Generic Digits are irrelevant to the CAP, the ___ ASN.1 tags are sufficient to identify the parameter. The ISUP format does not allow to _ _ exclude these subfields, therefore they shall be sent. The value is network operator specific. _ _ _ _ The following parameters should use Generic Number: AdditionalCallingPartyNumber for InitialDP _ _ _ _ AssistingSSPIPRoutingAddress for EstablishTemporaryConnection _ _ CorrelationID for AssistRequestInstructions _ _ ___ The following parameters should use Generic Digits: CorrelationID in EstablishTemporaryConnection _ _ _ _ number in VariablePart digitsResponse in ReceivedInformationArg _ _ Note that when CorrelationID is transported in Generic Digits, then the digits shall _ _ always be BCD encoded. _ _

*** Next Modification ***

Digits

::= OCTET STRING (SIZE (minDigitsLength .. maxDigitsLength))

- Indicates the address signalling digits. Refer to the ETS 300 356-1 [3] Generic Number
- and Generic Digits parameters for encoding. The coding of the subfields "NumberQualifier" _ _
- _ _ in Generic Number and "Type Of Digits" in Generic Digits are irrelevant to the CAP, the
- ASN.1 tags are sufficient to identify the parameter. The ISUP format does not allow to _ _
- exclude these subfields, therefore they shall be sent. The value is network operator specific.
- _ _ The following parameters should use Generic Number:
- AdditionalCallingPartyNumber for InitialDP _ _
- _ _ AssistingSSPIPRoutingAddress for EstablishTemporaryConnection
- -CorrelationID for AssistRequestInstructions
- -
- The following parameters should use Generic Digits: CorrelationID in EstablishTemporaryConnection _ _
- _ _
- number in VariablePart _ _
- _ _ digitsResponse in ReceivedInformationArg

In the digitsResponse the digits may also include the '*', '#', a, b, c and d digits by using the IA5 character encoding scheme. If the BCD even or BCD odd encoding scheme is used, the follwing encoding shall be applied for the non-decimal characters: ____

always be BCD encoded.

^{1011 (*), 1100 (#).} Note that when CorrelationID is transported in Generic Digits, then the digits shall _ _

3GPP TSG-CN WG4 Rotenburg GERMANY 22-26 May 2000

Document N2-000228

e.g. for 3GPP use the format TP-99xxx or for SMG, use the format P-99-xxx

			CHANGE	REQ	UES	Please page f			le at the bottom of this to fill in this form correctly.	
			29.078	CR	096	ör2	Current	Versi	on: 3.3.0	
GSM (AA.BB) or	3G (AA.BBB) specific	ation number \uparrow		1	↑ CR number	as allocated b	y MCC s	support team	
For submissic	al me	eting # here ↑	for info	approval ormation	X		non-	strate strate	gic use only)	
Proposed cha (at least one should b	nge	e affects:	ersion 2 for 3GPP and SMG	ME	t version of		lable from: ftp://f	tp.3gpp.o	rg/Information/CR-Form-v2.do	с (
Source:		N2					<u>[</u>	Date:	25.05.00	
Subject:		Clarification	of encoding of (Collected	<mark>Digits</mark> a	and Digits	Response	l		
Work item:		CAMEL Ph	ase 2							
Category: (only one category shall be marked with an X)	F A B C D	Addition of	modification of fe		rlier rel	ease	X X	<u>ase:</u>	Phase 2 Release 96 Release 97 Release 98 Release 99 X Release 00	
<u>Reason for</u> <u>change:</u>		to be collec		scriber a	nd the g	gsmSRF i	reports the	e digits	equests the digits s received. It shall issing.	
Clauses affect	ted	<u>.</u>								
Other specs affected:	C N E		cifications	IS X	\rightarrow List \rightarrow List \rightarrow List	of CRs: of CRs: of CRs: of CRs: of CRs: of CRs:	CR 09.78	3-A07	5, CR 09.78-A076	
<u>Other</u> comments:			on is considered juration. Therefo					s requi	red to allow multi-	
help.doc										

<-----

*** First Modification ***

CollectedDigits	::= SEQUENCE {							
minimumNbOfDigits	[0] INTEGER (130) DEFAULT 1,							
maximumNbOfDigits	<pre>[1] INTEGER (130),</pre>							
endOfReplyDigit	[2] OCTET STRING (SIZE (12))	OPTIONAL,						
cancelDigit	[3] OCTET STRING (SIZE (12))	OPTIONAL,						
startDigit	[4] OCTET STRING (SIZE (12))	OPTIONAL,						
firstDigitTimeOut	[5] INTEGER (1127)	OPTIONAL,						
interDigitTimeOut	[6] INTEGER (1127)	OPTIONAL,						
errorTreatment	[7] ErrorTreatment	DEFAULT stdErrorAndInfo,						
interruptableAnnInd	[8] BOOLEAN	DEFAULT TRUE,						
voiceInformation	[9] BOOLEAN	DEFAULT FALSE,						
voiceBack	[10] BOOLEAN	DEFAULT FALSE						
}								
The use of voiceBack and	d the support of voice recognition	on via voiceInformation						
is network operator spec	cific.							
The endOfReplyDigit, car	ncelDigit, and startDigit paramet	ters have been						
designated as OCTET STRING, and are to be encoded as BCD, one digit per octet								
only, contained in the four least significant bits of each OCTET. The following encoding shall								
be applied for the non-decimal characters:								
1011 (*), 1100 (#).								
The usage is service dependent.								

ag

-- firstDigitTimeOut and interDigitTimeOut are measured in seconds.

*** Next Modification ***

Digits {PARAMETERS-BOUND : bound}

::= OCTET STRING (SIZE (bound.&minDigitsLength..bound.&maxDigitsLength))

-- Indicates the address signalling digits.

-- Refer to ETS 300 356-1 [8] Generic Number & Generic Digits parameters for encoding.

The digits may also include the '#', '*', a, b and c digits.

-- The coding of the subfields 'NumberQualifier' in Generic Number and 'TypeOfDigits' in

-- Generic Digits are irrelevant to the CAP;

-- the ASN.1 tags are sufficient to identify the parameter.

-- The ISUP format does not allow to exclude these subfields,

-- therefore the value is network operator specific.

-- The following parameters should use Generic Number:

-- AdditionalCallingPartyNumber for InitialDP

-- AssistingSSPIPRoutingAddress for EstablishTemporaryConnection

-- CorrelationID for AssistRequestInstructions

-- CalledAddressValue for all occurrences, CallingAddressValue for all occurrences.

_ _

-- The following parameters should use Generic Digits: -- CorrelationID in EstablishTemporaryConnection

-- number in VariablePart

-- digitsResponse in ReceivedInformationArg

In the digitsResponse the digits may also include the '*', '#', a, b, c and d digits by using the IA5 character encoding scheme. If the BCD even or BCD odd encoding scheme is used, the

_ _

-- follwing encoding shall be applied for the non-decimal characters:

1011 (*), 1100 (#).