

3GPP TSG_CN / SMG3
Plenary Meeting #7, Madrid, Spain
13th – 15th March 2000.

Tdoc NP-000031

Source: CN WG2
Title: Meeting Report N2#9 (N2A)
Agenda item: 5.2.1
Document for: Information



Report
TSG CN WG2 #9 Subgroup A
Kyoto, Japan
17th-21st of January 2000

Chairman: Steffen Habermann (T-mobil) and Frans Haerens (Alcatel)
Secretary: Monica Hellman (3GPP support team)
Host: NTT DoCoMo

List of participants:	Annex A
Output documents	Annex B
Tdoc list (incl. the status)	Annex C

Documents could be found on the 3GPP-server:
ftp://ftp.3gpp.org/TSG_CN/WG2_camel/Plenary/TSGN2_09/Docs

Opening of the meeting and approval of the agenda

Steffen Habermann open the meeting and welcomed the delegates. The documents will be treated in the order that is has been allocated by Ian Park in tdoc N2-000002, except if there are contributions in the same area.

Liaison Statements

N2A000070 Source: CN & N2 Chairman, Requirements for finalizing the content of CAMEL Phase 3

Summary: A warning from the CN and CN2 chairman to finalised presented at the CN plenary. If the phase.

Discussion: Christian make the comment that if something will not be finalised in time, please note this in the beginning of the meeting. We should be aware that taking out some items from the CAMEL phase 3 will also take some time. Keijo has a list of open issues in his mind that he will write down during the week.

Conclusion: Noted

N2A000068 Source: TSGS WG1, LS on the Prioritisation of VHE Service Capability Features

Summary: VHE and MMS. They point out that reducing of CAMEL phase 3 of call party handling has impact on the VHE and the Session Control Service Capability Features.

Discussion: It's more relevant to the VHE ad hoc group then for N2A. The document has not been sent to the VHE ad hoc group.

Conclusion: Noted in N2A but VHE ad hoc has to be aware of the document.

N2A000067:Source: TSGN WG1,Response Liaison Statement on Active Location Retrieval in CAMEL Ph 3.

Summary: N1 has studied topic and there are no impact on the MS and have no impact on the specification handled by N1.

Discussion: Active Location Retrieval will be a part of release 99 and CAMEL phase 3. Restructuring work of the specification is ongoing but it has no impact on this issues.

Conclusion: Noted

Stage 2

N2A000002: Source: Ericsson, 23.018-028 on User Interaction in Monitoring State.

Summary: Procedure outgoing call_set_up_MSC has been changed.

Discussion: It was a question where it has been agreed to have it in R99. It has never been stated directly but a CR of this topic has been agreed. The originator was asked to check if this has impact to other specification.

Conclusion: Rev. in N2A000113

N2A000003: Source: Vodafone Airtouch, 23.078-034 on Correction to some SDLs in chapter 4

Summary: Nick presented the contribution. Some SDLs did not have the solid line box, explanation on where signals to the left and or the right are to/from is missing. One SDL had a 'No' decision line missing from a Yes/No decision box

Discussion: Why it's the stop-tcp times deleted. It was not the intention of the CR. The CR coversheet has to be updated if the box shall be deleted. Alignment of names and references to figures has to be done.

Conclusion: Rev in N2A000114

N2A000004: Source: Vodafone Airtouch, 23.078-035 on Correction of Translation Information Flag in the VLR for DTN.

Summary: The CR includes correction of the reference to Call Deflection and explanation of treating of Call deflection. The contribution also contains some editorial changes.

Discussion: Introduction of D-CSI to do this. The reference list has to be updated with 23.072. T-CSI has to be updated.

Conclusion: Revised in N2A000115

N2A000005: Source: Vodafone Airtouch, 23.078-036 on Call Completion Treatment Indicator
 Summary: The change is that it shall be possible for the Call Completion Treatment Indicator to be sent in the Connect message for the T-BCSM in the GMSC and the forwarding O-BCSM. The Call completion treatment indicator in the information element is changed from n
 Discussion: The reason for change is not clear. If this is added it may also be used for connect for the continue_with_argument. It is a contribution of interworking in N2A000055. Does it have an impact of the CCBS specification. The originator will check it.
Conclusion: Revised in N2A000116.

N2A000007: Source: Vodafone Airtouch, 23.078-038 on Clarification of SS Invocation Notification
 Summary: The handling of the SS Invocation Notification was moved from section 4 to section 8. This contribution moves the reference to SS-CSI from section 4 to section 8. This CR also proposes a number of technical and editorial corrections to chapter 8 of 3G TS
 Discussion: A proposal to add that the deleted subscriber shall just be for a specific data. It was obvious so it's not needed. SS-CSI is already included for CD so it is therefore not mentioned in 8.4.4.1.2. A new sentence will be inserted in the note of the inser
Conclusion: Revised in N2A000117

N2A000016: Source: Ericsson, 23.078-044 on Technical and editorial corrections to circuit switched call handling
 Summary: The contribution corrects some references and some technical correction to align it with stage 3.
 Discussion: Changes of references was discussed and from now on the references will be updated by MCC when a CR of the specification is implemented. The references to call deflections are different in different CRs therefore it should be aligned with the contribution
Conclusion: Revised in N2A000118

N2A000017: Source: Ericsson, 23.078-045 on Technical and editorial corrections to USSD
 Summary: The CR proposes a number of technical and editorial corrections to chapter 5 of 3G TS 23.078 (USSD)
 Discussion: No comments
Conclusion: Approved

N2A000018: Source: Ericsson, 23.078-046 on Technical and editorial corrections to GPRS
 Summary: The CR proposes an editorial correction to chapter 6 of 3G TS 23.078 (CAMEL interworking with GPRS). The definition of Quality of service parameter is changed in the information element.
 Discussion: "Report was triggered by a change in Quality of Service" has to be changed to "Report was triggered by a change in Quality of Service".
Conclusion: Revision in N2A000119 but the CR hasn't to be presented again.

N2A000019: Source: Ericsson, 23.078-047 on Technical and editorial corrections to SMS
 Summary:
 Discussion: No comments
Conclusion: Approved

N2A000020: Source: Ericsson, 23.078-048 on Inclusion of O-CSI trigger criteria in Resume Call Handling
 Summary: The contribution includes D-CSI and the description of the trigger criteria of O-CSI in the information element of Resume Call Handling.
 Discussion: The D-CSI is send, if present. The current description both for O-CSI and D-CSI are a bit confusion and will be changed. Handling of the information flow will be handling in the updated version of this contribution by Ericsson. References will also be up
Conclusion: Revised in N2A000122

N2A000037: Source: Nokia, 23.018-031 on Transmission of CSIs to GMSC from the HLR(SRI-ack)&VMSC(RCH)
 Summary: Proposal to: Introduce D-CSI, New triggering point for T-CSI and not to send unnecessary information to GMSC.
 Discussion: The GMSC doesn't need some of the information that is stored. The proposal from Nokia is to store the information in GMSC. With this new concept the CAMEL phase 3 is just needed in the HLR and the GMSC.
Conclusion: Rejected for R99

N2A000038: Source: Nokia, 23.078-057 on Transmission of CSIs to GMSC from the HLR(SRI-ack)&VMSC(RCH)
 Summary:
 Discussion: There are three different scenarios for this case:
 send routing information CF or camelbase CF
 second send routing information
 resume call handling
Conclusion: Rejected for R99

N2A000039: Source: Nokia, 29.002-081 on Transmission of CSIs to GMSC from the HLR(SRI-ack)&VMSC(RCH)
 Summary:
 Discussion:
Conclusion: Rejected for R99

N2A000062: Source: NTT DoCoMo, 23.078-062 on Correction of SDL and IF for Dialed Service in Call Forwarding
 Summary:
 Discussion: Handling of the N-CSI is still an open issue. FTN is moved to the top in the SDLs at page 6. N-CSI will be discussed later on.
Conclusion: Revised in N2A000123

N2A000063: Source: NTT DoCoMo, 23.018-032 on Inclusion of D-CSI/N-CSI check in HLR/VLR
 Summary:
 Discussion: SDLs are not yet updated with the new references. References shall be to 3G in 3G specifications. There are no technical remarks, just editorial. The specification is a N2B specification and will therefore be forwarded to N2B.
Conclusion: Endorsed by N2A and will be forwarded to N2B. Revised in N2A000149.

N2A000069: Source: NTT DoCoMo, 23.078-063 on Clarification of N-CSI in Core NW
 Summary: In the current version specification, it is described that N-CSI is stored in VLR, however, the PLMN operator may also store it in MSC. Therefore, it is proposed to alter the procedure related to N-CSI handling in MSC.
 Discussion: The CSI is stored in the VLR and transferred to the MSC when required. The intention with the NTT contribution is that the VLR shall just store subscriber data not network data. Further off line discussion is needed.
Conclusion: Revised in N2A000150

N2A000022: Source: Ericsson, 29.002-082 on Inclusion of O-CSI trigger criteria in Resume Call Handling
 Summary:
 Discussion: The document is related to the document N2A000020 that has been discussed earlier. The specification is under the wings of N2B and is therefore forwarded to that group.
Conclusion: Endorsed by N2A and forwarded to N2B.

N2A000006: Source: Vodafone Airtouch, 23.078-037 on Clarification on CUG handling
 Summary: In CAMEL Phase 3, the gsmSCF has the ability to change CUG information for a call. The handling of this information requires further clarification. The CR aims to complete the work on the interactions between CUG and CAMEL Phase 3
 Discussion: Whether to introduce the destination number check? Purpose? Continue should be changed to continue_with_argument in the CAMEL_modified_CUG_info, and should contain an explicit parameter if the information should be removed.
Conclusion: Revised in N2A000124

N2A000008: Source: Vodafone Airtouch, 23.078-039 on Alignment of Chapters 10 and 11
 Summary: Correction of numerous misalignments and grammatical errors
 Discussion: Negative response information elements are introduced in the CR. The resend counter at page 7 shall be removed. References should be to LCS instead of describing in this document. Limit the SS-code to CF and CB since it's the only relevant one
Conclusion: Rejected

N2A000014: Source: Ericsson, 23.078-042 on Technical and editorial corrections to ATSI, ATM, NCSD
 Summary: The CR proposes a number of technical and editorial corrections to 'Control and Interrogation of Subscription Data'.
 Discussion: The concept is still the same but describe it in different ways, SDLs and wordings. The two originators of N2A000008 and N2A000014 shall at a off line discussion prepare a common contribution. It is preferable to use SDLs and use references to supplementary services specifications.
Conclusion: Revised in Tdoc N2A000125 which is a combined revision of Tdoc N2A000008 and Tdoc N2A000014.

N2A000015: Source: Ericsson, 23.078-043 on Technical and editorial corrections to Location Services and Any Time Interrogation
 Summary: The CR proposes a number of technical and editorial corrections to chapter of Location Services.
 Discussion: The title shall be changed in Location and subscriber interrogation.
Conclusion: Revised in Tdoc N2A000126 which is a combined revision of Tdoc N2A000008 and Tdoc N2A000015.

N2A000108: Source: NTT Comware, 23.078-049r1 on AnyTimeSubscriptionInterrogation operation and AnyTimeModification operation. (rev. of 027)
 Summary: The CR propose that the requested number of information should be restricted to one and it also includes some editorial corrections.
 Discussion: The changes proposed in this document will be incorporated in Tdoc N2A000125.
Conclusion: Rejected

N2A000109: Source: NTT Comware, 29.002-088 on AnyTimeSubscriptionInterrogation operation and AnyTimeModification operation
 Summary: The changes required in MAP is an alignment with the proposed changes for CAMEL phase 3, stage 2 in Tdoc N2A000108.
 Discussion: From functional viewpoint the stage 2 will just handle one ATM but in signalling viewpoint it should not be limitation. Ericsson has a CR in the same area in Tdoc N2A000023.
Conclusion: Rejected

N2A000058: Source: NTT Comware, Notification control on ODB
 Summary: This contribution intends to clarify NCCSD (notification to CSE of change of subscriber data) control on ODB.
 Discussion: NTT comware propose that ODB notification flag can be modified by O&M interface.
Conclusion: Agreed

N2A000105: Source: NTT Comware, 29.008-012r1 on Introduction of 'Notification to CSE flag' to ODB (rev. of N2A000024)

Summary:

Discussion: Editorial remarks. The document will be revised and then forwarded to N2B.

Conclusion: Revised in N2A000128. (Endorsed by N2A)

N2A000106: Source: NTT Comware, 23.085-003r1 on Introduction of 'Notification to CSE flag' to CF (rev. of N2A000025)

Summary: For CAMEL phase3 the change of the call forwarding supplementary service data, which is stored in the HLR, is notified to the gsmSCF(s). The activation and deactivation of the notification is controlled by gsmSCF.

Discussion: Editorial remarks. The titles in the reference is not correct. No values for the flag defined. The CR number is not correct.

Conclusion: Revised in N2A000129.

N2A000129: Source: NTT Comware, 23.082-003r2 on Introduction of 'Notification to CSE flag' to CF

Summary: Revised version of document N2A000106.

Conclusion: Endorsed by N2A

N2A000107: Source: NTT Comware, 23.088-001r1 on Introduction of 'Notification to CSE flag' to CB.

Summary: Revised version of document N2A000026.

Discussion:

Conclusion: Revised in N2A000130

N2A000130: Source: NTT Comware, 23.088-001r2 on Introduction of 'Notification to CSE flag' to CB

Summary: Revised version of document N2A000107.

Conclusion: Endorsed by N2A

N2A000009: Source: Vodafone Airtouch, 23.078-040 on Correction of SS Invocation Notification for CCBS

Summary: The CR corrects the SS Invocation Notification for CCBS so that it indicates the current status of the CCBS request.

Discussion: There are no corresponding changes in the CCBS specification. There is a request to delete recall. Nick and Isabelle will call Ruth and discuss the proposal. In 8.3.1 the word plans the request shall be changed.

Conclusion: Revised in Tdoc N2A000131

N2A000011: Source: Vodafone Airtouch, 29.002-079 on Correction of SS Invocation Notification for CCBS

Summary: The CR corrects the SS Invocation Notification for CCBS so that it indicates the current status of the CCBS request. The document reflects what's described in the stage 2 description.

Discussion: It has to consider SS event specific information. Enumerated format should apply. An off line discussion will take place and a revised version will be presented.

Conclusion: Revised in N2A000145.

N2A000110: Source: France Telecom, 23.078-041r1 on Call Gapping

Summary: The Call Gapping is already agreed that it shall be a part of R99. The CR only applies to CAMEL circuit switched handling and the applicability of Call Gapping to SMS and GPRS handling is for further study.

Discussion: The proposed solution is to include an infinite duration. To switch off the call gapping there must be other ongoing dialogs. The infinite duration will be removed.

A proposal at the meeting was to limit the duration of the Call gapping.

Conclusion: Revised in Tdoc N2A000132

N2A000111: Source: France Telecom, 29.078-015r1 on Introduction of call gapping
 Summary: Stage 3 description of the call gapping feature proposed in Tdoc N2A000110.
 Discussion: Alignment of the call gap encountered description. Import from MAP common data types shall be updated to version 6. Removal of parameters that's not is used for CAMEL phase 3. Alignment with the changes in Tdoc N2A000110.
Conclusion: Revised in Tdoc N2A000133

N2A000028: Source: NTT DoCoMo, NEC, 23.078-050 on Addition to SDL of user interaction in Waiting_for_Instructions_for_DS
 Summary: The CR propose that user interaction will be introduced for dialed services.
 Discussion: Questions of send charging info for dialed services will be dealt with in Tdoc N2A000061. Stage 1 specification has not yet been updated. At the last N2A meeting it was decided to follow the stage 1 specification.
Conclusion: Postponed.

N2A000061: Source: NTT DoCoMo, 23.078-061 on Addition of SCI handling in Waiting for Instructions For DS state
 Summary: In case the destination number is changed by CSE for Dialed service, the originator of the CR proposed that send and re-store e-parameters shall be possible to change. The contribution is a new feature in R99.
 Discussion: The dialed service has to be kept simple and just used for number modification. If there are no short term solution available the proposed feature will not be a part of R99. Interested parties will discuss it at an ad hoc meeting.
Conclusion: Postponed

N2A000029: Source: NEC, 23.078-061 on Correction of SDL related CAMEL Phase3 for D-CSI
 Summary:
 Discussion: Interaction with a N2A000098 & N2A000081. Deletion of the first check (check if there are a trigger criteria) in the SDL. Text descriptions will be checked. Handling of O_abandoned in gsmSSF needs to be checked.
Conclusion: Revised in Tdoc N2A000134

N2A000030: Source: NEC, 23.078-052 on Addition to description of D-CSI in MO Calls
 Summary: Introduction of D-CSI in the 23.078 specification.
 Discussion: DP criteria shall be changed to mandatory in the D-SCI. The text under the table will be updated. The structure of the D-CSI is not reflected but it's in line with the descriptions of other CSIs.
Conclusion: Revised in Tdoc N2A000135

N2A000031: Source: NEC, 23.078-053 on Addition to description of SDL related to CAMEL Phase3
 Summary: CR that regarding User interaction of dialled services.
 Discussion:
Conclusion: Postponed.

N2A000032: Source: Nokia, 23.078-054 on Dialed services - clarification on different SSFs
 Summary: Clarification in 23.078 that multiple gsmSSFs can co-exist when dialled services are used.
 Discussion: The word procedures has to be added at the first page.
Conclusion: Revised in N2A000136

N2A000033: Source: Nokia, 23.078-055 on Reporting of T_Busy when absent subscriber
 Summary: Adding should be possible to trigger in a TDP in the case of T_Busy..
 Discussion:
Conclusion: Approved

N2A000035: Source: Nokia, 23.078-056 on GPRS interworking to reduced number of TCAP dialogues

Summary: GPRS attach and PDP context can have a very long duration therefore there is a suggestion to add GPRS reference number to reduce the number of TCAP dialogues.

Discussion: There is a need of clear definition of reference number. If load sharing is used there may be a problem to find a proper SCF. It is a general problem. The SCF is included in the reference number to make sure that the same SCF is used.

Conclusion:

Stage 3

Summary Stage 3

This part of the meeting was chaired by Frans Haerens. Since there was several CRs for same clauses the meeting decided to discuss all the proposed CRs and then put the relevant changes in 4 different CRs. This 4 CR will be presented at the next meeting.

N2A000137: Editor: Rogio Noldus, Correction and Editorial changes in Clauses 2-9.

Summary: Combined CR of the inputs from N2A000010, N2A000021, N2A000036, N2A000040, N2A000041, N2A000042, N2A000043, N2A000044, N2A000045, N2A000046, N2A000047, N2A000048, N2A000049, N2A000050, N2A000052, N2A000064, N2A000065, N2A000066 and N2A000090

N2A000138: Editor: Vesa Tiainen, Correction and Editorial changes in Clause 10.

Summary: Combined CR of the inputs from N2A000021, N2A000034, N2A000048 and N2A000051

N2A000139: Editor: Keijo Palviainen, Correction and Editorial changes in Clause 11.

Summary: Combined CR of the inputs from N2A000010, N2A000021, N2A000034, N2A000046, N2A000048, N2A000052 and N2A000053

N2A000140: Editor: Kazuhiko Nakada, Correction and Editorial changes in Clause 12.

Summary: Combined CR of the inputs from N2A000012, N2A000034, N2A000036, N2A000042, N2A000054 and N2A000066

N2A000021: Source: Ericsson, 29.078-016 on General technical and editorial corrections

Summary:

Discussion: Frasing suggested about the service key shall also be made in 23.078. Bound will be removed after CONSUMER INVOKES {disconnectForwardConnection at page 15. 11.26.2.1- the last sentence shall be changed to a note. Note that was not included in the CR; the i

Conclusion: Rejected (N2A000137)

N2A000034: Source: Nokia, 29.078-017 on SMS related stage 3 issues

Summary:

Discussion: Clarification if it's possible to send components in TC-END, is needed.

Conclusion: Rejected (N2A000138, N2A000140)

N2A000051: Source: Nokia, 29.078-030 on Corrections to the clause 10 Error procedures

Summary:

Discussion:

Conclusion: Rejected (N2A000138)

N2A000040: Source: Nokia, 29.078-019 on

Summary: The reference number and figure 1 texts are corrected, and the table 1 is incorporated again.

Discussion: Scenario SCP shall be replaced by SGSN. The content of this CR will be put into Tdoc N2A000137 included the proposed changes.

Conclusion: Rejected (N2A000137)

N2A000041: Source: Nokia, 29.078-020 on Clean up the clause 4.1.2 CAP protocol architecture
 Summary: Corrections of reference documents and reference numbers and incorporation of the missing the Figure 4-10.
 Discussion: Deletion of the two last paragraphs since it's not needed. The content of this CR will be put into Tdoc N2A000137 included the proposed changes.
Conclusion: Rejected (N2A000137)

N2A000042: Source: Nokia, 29.078-021 on Clean up the clause 4.1.3 CAP addressing
 Summary: Incorporation of the usage of the ANSI SCCP, the header of the clause 'Sub-System Number (SSN)' and the clauses 'Quality of service parameters' and 'SCCP addressing'.
 Discussion: It's an other contribution in the same are in Tdoc N2A000066. Clause 4.1.3 will be changed to clause 12.2 as suggested by NTT. The CR and the proposed changes shall be incorporated in the document Tdoc N2A000140.
Conclusion: Rejected (N2A000140)

N2A000066: Source: NTT DoCoMo, 29.078-037 on Services assumed from SCCP
 Summary: Clause 4.1.3 was moved to 12.2 and references are changed to ITU-T. Clarifications and editorial changes are incorporated.
 Discussion: An informative note that SCCP white book shall be used. Content of QoS and Clause 4.1.3 is moved to section 12.2 as suggested in this contribution. The sequence control and QoS will be put together in one clause. Table of SCCP address format has been added. The CR and the proposed changes shall be incorporated in the document Tdoc N2A000140.
Conclusion: Rejected (N2A000140)

N2A000043: Source: Nokia, 29.078-022 on Corrections to Compatibility mechanism
 Summary: Proposal to add of CAMEL phase 2 definitions and usage leg id in CAMEL phase 3.
 Discussion: The proposed CR shall be incorporated in the document Tdoc N2A000137.
Conclusion: Rejected (N2A000137)

N2A000044: Source: Nokia, 29.078-023 on Corrections to Compatibility mechanism
 Summary: Compatibility with CAMEL Phase 2, and the clause '1 Scope'
 Discussion: There was a proposal to add compatibility with both previous versions of CAP as well as for future versions of CAP. The will be presented in a separate contribution. In 4.1.4.1, the reference to ETS shall be EN. There is a similar proposal from NTT DoCoMo.
Conclusion: Rejected (N2A000137)

N2A000064: Source: NTT DoCoMo, 29.078-035 on Correction of CAP and INAP compatibility
 Summary: Almost identical with the CR in Tdoc N2A000044.
 Discussion: The contribution will be incorporated in document N2A000137.
Conclusion: Rejected (N2A000137)

N2A000045: Source: Nokia, 29.078-024 on Corrections to the clause 4.2 SACF/MACF rules
 Summary:
 Discussion: The contribution will be incorporated in document N2A000137.
Conclusion: Rejected (N2A000137)

N2A000046: Source: Nokia, 29.078-025 on Correction to the FCI freeFormatData parameter
 Summary: The maximum FCI freeFormatData parameter has been corrected in line with an other contribution.
 Discussion: The three definitions of AppendFreeFormatData shall be defined as following:
 AppendFreeFormatData
 This parameter indicates whether previous FCI free format data is appended or overwritten. See 3G TS 23.078.
 The contribution with the proposed changes will be incorporated in document N2A000137 and N2A000139.
Conclusion: Rejected (N2A000137,N2A000139)

N2A000047: Source: Nokia, 29.078-026 on Corrections to the gsmSSF/gsmSCF related ASN.1s

Summary: The CS2 Application Contexts, Contracts, Operation Packages and Abstract Syntaxes are replaced by CAP Application Contexts, Contracts, Operation Packages and Abstract Syntaxes.

The ICA initiated dialogue is not part of the R99 and therefore the gsmSCF-ss

Discussion: CCEncountered will not be deleted. The contribution with the proposed changes will be incorporated in document N2A000137.

Conclusion: Rejected (N2A000137)

N2A000048: Source: Nokia, 29.078-027 on Remove the PA and P&CUI connectedParty and Display Info

Summary: Deletion of connectedParty parameter, because the CPH functionality is not covered in R99 and clean up some unused imported types and unspecified procedures.

Discussion: What's the right Object identifier? Default is the one used in CAMEL phase 2 and it's the GSM object identifier. It has to be checked and covered in a separate CR (N2A000141). The content in the CR will be added in Tdoc N2A000137, N2A000138 and N2A000139.

Conclusion: Rejected (N2A000137, N2A000138, N2A000139)

N2A000049: Source: Nokia, 29.078-028 on Correction of the CallInformationRequest arguments

Summary:

Discussion: The content in the CR will be added in Tdoc N2A000137.

Conclusion: Rejected (N2A000137)

N2A000050: Source: Nokia, 29.078-029 on Corrections to the 'MO SMS Control' related ASN.1s

Summary: The Operation Codes for the SMS operations, the Object identifiers of the SMS related AC, AS, Contracts and Operation Packages are added.

Discussion: New arcing will be allocated and it will be local. It is better to have it global in the future but interested delegates have to submit a separate CR for inclusion to R00. The content in the CR will be added in Tdoc N2A000137.

Conclusion: Rejected (N2A000137)

N2A000052: Source: Nokia, 29.078-031 on Adding of the ActivityTest to gsmSRF-gsmSCF AC

Summary: Including ActivityTest operation that was specified in CAMEL Phase 2 and inclusion of GsmSRF-gsmSCFActivationOfAssist Package.

Discussion: The content in the CR will be added in Tdoc N2A000137 and N2A000139.

Conclusion: Rejected (N2A000137, N2A000139)

N2A000053: Source: Nokia, 29.078-032 on Corrections to the clause 11 operation procedure Summary:

Discussion: In clause 11.22 "Note that assistingSSPIPRoutingAddress should" shall be changed to "the assistingSSPIPRoutingAddress shall". A general comment is that should shall be changed to shall but not everywhere. Renumbering of the notes has to be done. The content in the CR with the proposed changes will be added in Tdoc N2A000139.

Conclusion: Rejected (N2A000139)

N2A000054: Source: Nokia, 29.078-033 on Clean-up the clause 12 Services assumed from lower layers

Summary:

Discussion: All the CUFS shall be deleted. The Hand off shall be deleted. The content in the CR with the proposed changes will be added in Tdoc N2A000140.

Conclusion: Rejected (N2A000140)

N2A000055: Source: Nokia, 29.078-034 on Connect and ContinueWithArgument CCBS treatment indicator

Summary: The network default value is corrected according the Q.1600 Table II.1. Datatypes modifications are withdrawn since it is covered in other contributions.

Discussion: The document will be revised.

Conclusion: Revised in Tdoc N2A000143

N2A000010: Source: Vodafone Airtouch, 29.078-014 on Correction of SII2 description, to align with stage 2

Summary: Correction of SII2 description.

Discussion: The moving of the callCompletionTreatmentIndicator was not agreed. The information shall be in both BackwardServiceInteractionInd and

ForwardServiceInteractionInd. The renumbering of the headers will be done by the editors.

The content of the CR with the proposed changes will be added in Tdoc N2A000139.

Conclusion: Rejected (N2A000139)

N2A000065: Source: NTT DoCoMo, 29.078-036 on ASN.1 notation of cause parameter

Summary: To change the tag value for "cause" in Initial DP to compatible with the fixed network INAP and the maximum value for "cause" should comply with DSS 1.

Discussion: The value but not the diagnostic Minimum cause length has not been specified.

The content of the CR with the proposed changes will be added in Tdoc N2A000137.

Conclusion: Rejected (N2A000137)

N2A000089: Source: Siemens, 29.078-038 on Addition of Connected number treatment indicator

Summary: Connected number treatment indicator is used to indicate treatment of the connected number, which can be seen the detail in Q.1600.

Discussion: The Connected number treatment indicator defined in the Q.1601 shall be used. It will be further expanded. There must be a definitions how it shall be used. There is one more value that has to be added. The document will be revised and be represented at the next meeting.

Conclusion: Rejected

N2A000090: Source: Siemens, 29.078-040 on Collective changes in 29.078

Summary:

Discussion: CAMEL-AChBillingChargingCharacteristics shall not be revised. In CAMEL-CallResult, Elipses and a comma will be added after extension. Check the charging requirements has to be done therefore the ChargingCharacteristics will not be changed. The content of the CR with the proposed changes will be added in Tdoc N2A000137.

Conclusion: Rejected (N2A000137)

Phase 2

N2A000092: Source: Nokia, 03.78-A149 on CAMEL2 Stage 2 LocationNumber for IDP in MO calls

Summary: Location Numbers (LN) is defined as mandatory. Some operators don't use it and some use it in just HPLMN. The proposal is to change it to conditional.

Discussion: The category that could be used for this CR is C3, active support of all major manufacturers. There was a lot of questions about it and no active support.

Conclusion: Rejected

Stage 2 continue

N2A000093: Source: Nokia, 23.078-080 on CAMEL3 Stage 2 LocationNumber for IDP in MO calls

Summary: The same contribution as in N2A000092 but for phase 3.

Discussion:

Conclusion: Rejected

N2A000073: Source: Siemens, 23.078-064 on Addition of Connected number treatment indicator

Summary:

Discussion: The document will be revised and be represented at the next meeting.

Conclusion: Rejected

N2A000095: Source: Ericsson, 29.078-040 on Specifying time unit for 'firstDigitTimeOut' and 'interDigitTimeOut'

Summary: Parameter CollectedDigits contains, amongst others, sub-parameters

'firstDigitTimeOut' and 'interDigitTimeOut'. However, it is currently not specified what time unit to use for these parameters. The proposal is to specify it at seconds.

Discussion: Postponed.

Conclusion: Postponed

N2A000102: Source: Alcatel, 23.078-087 on Called Party Number at DP_analysed information or in case of unsuccessful DPs

Summary: The purpose of the CR is to define which called Party Number shall be used at DP_Analysed_Information and in case of unsuccessful DPs.

Discussion: Editorial comments that will be forwarded direct to the originator. Further thoughts are needed. Revised version will be presented at the next meeting.

Conclusion: Revised for the next meeting

N2B000027: A Liaison Statement from S1 on the concern about the definition of the Service Area identity

Discussion: Further clarification of the purpose of it. Usage of it has to be described in 29.078. Are there any map definitions already available? Is the LI used in the circuit switched area? It is not used by packet switched area. What's the impact of earlier phases of CAMEL? Shall earlier versions of CAMEL be updated?

Conclusion: Noted

N2B000121: Source: NTT comware, CR to 23.003 on the definition of Service Area Identification.

Summary: In 3G network, Service Area Identity consists of LAI and SAC. It is used by Core Network to identify Service Area. For example Service Area Identity is included in initial UE message instead of CGI in 3G network.

Conclusion: Noted

Other Business

N2-000004 & N2-000005: C. Homann; Alcatel on Handling of ETSI Public comments on Draft ETSI EN 301 668-1 V1.1.1 (1999-07) and Handling of ETSI Public comments on Draft ETSI EN 301 668-2 V1.1.1 (1999-07)

Summary: Modelling will be available in February and CS3 will be available in April. CAMEL Phase 3 will be included in the CS-3. The document -0004 and -0005 includes the changes that has to be done in CS-3.

Conclusion: Noted

Summary

Steffen Habermann informed that he also has to follow N2B issues and therefore can't continue as a chairman for N2A. He is a vice chairman of N2 today and may continue with it. Everyone that is interested to take over the chair should inform Ian Park about it.

There were too many contributions so that it was not possible to treat them all. N2A has decided to have an ad hoc meeting week 8 in Sophia Antipolis, France.

Joint meeting N2A & N2B

N2A000071: Source: Siemens, 23.018-033 on Initialisation of Backward Call indicator
 Summary: It is proposed to initialise this parameter in OG_Call_Setup_MSC. In the procedure Send_Alerting_If_Required, Backward call indicator is checked if it has been set to 'no indication'. However, this parameter is not initialised at any point of procedures.

Conclusion: Approved

N2A000091: Source: Siemens, Correction of CF Notification (collective CR to 03.78, 3.18, 3.79)

Summary: Corrections of CF notification due to interaction CAMEL, CF and OR.

Discussion: In sheet 3 there is an error, the first check shall be CAMEL_FTN. Continue is specified two times in the SDL ORA4(4) No changes 23.078. One revision to 23.018.

Changes between CAMEL_FTN and GSM_FTN. Editorial changes in the SDLs. Still a question which category that should be used. The reason for change has to be added.

Category C1. Nine CRs has to be drafted with revisions in 03.18 and 03.79. Reason to change is to avoid indefinite looping in CAMEL phase 2.

Conclusion: The documents will be revised.

N2A000113: Source: Ericsson, 23.018-028r1 on User Interaction in Monitoring State.

Discussion: The document will be revised and represented at the next meeting.

Conclusion: The document will be revised

N2A000149: Source: NTT DoCoMo, 23.018-032r1 on Inclusion of D-CSI/N-CSI check in HLR/VLR

Discussion: It will interwork with earlier phases of CAMEL References to CAMEL specifications shall be 23.078 even though it is references to earlier phases. The CR will not be revised. The editor of the specification will change the references. Sheet 7 has been changes since the CR was presented at N2A.

Conclusion: Approved

N2A000146: Source: T-mobil, 23.018-037 on Clarification of N-CSI in Core NW

Conclusion: Approved

N2A000150: Source: NTT DoCoMo, 23.078-063r1 on Clarification of N-CSI in Core NW

Summary: Revision of N2A000063.

Conclusion: Revised in N2A000151.

N2A000022: Source: Ericsson, 29.002-082 on Inclusion of O-CSI trigger criteria in Resume Call Handling

Conclusion: The document will be revised

N2A000023: Source: Ericsson, 29.002-080 on Corrections to ATSI, ATM, NCSD

Summary: Corrections in signaling to support ATSI, ATM and NCSD.

Discussion: In CAMEL-SubscriptionInfo the D-CSI is added. The technical requirements from N2A is added in the contribution and the document will therefore be forwarded to N2B.

Conclusion: Approved (Joint meeting)

N2A000128: Source: NTT Comware, 29.008-012r2 on Introduction of 'Notification to CSE flag' to ODB

Summary: Revised version of N2A000105.

Discussion: Reason to changes doesn't reflect the content. Change of the coversheet with the references to CR to other specification.

Conclusion: Approved (Joint meeting)

N2A000145: Source: Vodafone Airtouch, 29.002-079r1 on Correction of SS Invocation Notification for CCBS.

Summary: Revision of N2A000011.

Discussion: The mapping and the encoding will be reviewed by Vodafone Airtouch and a contribution will be submitted to the N2B meeting in Milan. The proposed changes has already been incorporated in stage 2.

Conclusion: Rejected

Annex A

Participants list

Dronne	Francois	France Telecom	France
Grech	Michel	Lucent Technologies NS. UK Ltd.	UK
Habermann	Steffen	Deutsche Telekom MobilNet GmbH	Germany
Haerens	Frans	Alcatel Bell	Belgium
Hellman	Monica	ETSI	France
Homann	Christian	ALCATEL SEL AG	Germany
Humphrey	Jane	Marconi Communications Limited	UK
Iio	Masami	NTT	Japan
Kain	Albert	Siemens AG	Austria
Lantelme	Isabelle	ALCATEL France	France
Miyagawa	Sumio	Siemens KK	Japan
Moilanen	Iris	Sonera Corporation	Finland
Nakada	Kazuhiko	NTT	Japan
Noldus	Rogier	Ericsson	The Netherlands
Norimatsu	Toshio	NTT COMMUNICATIONWARE	Japan
Palviainen	Keijo	NOKIA	Finland
Russell	Nick	Vodafone Airtouch	UK
Sahara	Koji	NTT	Japan
Shibata	Takaho	NTT	Japan
Tiainen	Vesa	NOKIA	Finland
Yamazaki	Hiroshi	NEC	Japan

Annex B

Output Documents

TDoc	Spec	CR	Cat.	Title	Status
N2A000017	23.078	045	R99-F	Technical and editorial corrections to USSD	approved in N2A
N2A000019	23.078	047	R99-F	Technical and editorial corrections to SMS	approved in N2A
N2A000023	29.002	080	R99-F	Corrections to ATSI, ATM, NCSD	approved by N2A and N2B
N2A000033	23.078	055	R99-F	Reporting of T_Busy when absent subscriber	approved by N2A
N2A000071	23.018	033	R99-F	Initialisation of Backward Call indicator	approved in plenary
N2A000072	23.018	034	R99-F	Correction of the result of the procedure CAMEL_ICH_MSC_INIT	approved in N2A and N2B
N2A000128	23.008	012r2	R99-F	Introduction of 'Notification to CSE flag' to the operator determined barring data.	approved in N2A and N2B
N2A000146	23.018	037	R99-F	Clarification of N-CSI in Core NW	approved in N2A and N2B
N2A000149	23.018	032r1	R99-F	Inclusion of D-CSI/N-CSI check in HLR/VLR (rev. of A063)	approved in N2A and N2B

Annex C

Tdoc list

TDoc #	CR	spec	Title	Source	Conclusion
N2A000002	028	23.018	User Interaction in	Ericsson	Rev. in N2A000113
N2A000003	034	23.078	Correction to some SDLs in	Vodafone	Rev in N2A000114
N2A000004	035	23.078	Correction of Translation	Vodafone	Rev in N2A000115
N2A000005	036	23.078	Call Completion Treatment	Vodafone	Rev in N2A000116.
N2A000006	037	23.078	Clarification on CUG	Vodafone	Rev. in N2A000124
N2A000007	038	23.078	Clarification of SS Invocation	Vodafone	Rev. in N2A000117
N2A000008	039	23.078	Alignment of Chapters 10	Vodafone	Rejected
N2A000009	040	23.078	Correction of SS Invocation	Vodafone	Revised in Tdoc N2A000131
N2A000010	014	29.078	Correction of SI12	Vodafone	Rejected (N2A000139)
N2A000011	079	29.002	Correction of SS Invocation	Vodafone	Revised in N2A000145.
N2A000012	041	23.078	Introduction of call gapping	France	Revised in Tdoc N2A000110
N2A000013	015	29.078	Introduction of call gapping	France	Revised in Tdoc N2A000111
N2A000014	042	23.078	Technical and editorial	Ericsson	Revised in Tdoc N2A000125 which is a
N2A000015	043	23.078	Technical and editorial	Ericsson	Revised in Tdoc N2A000126 which is a
N2A000016	044	23.078	Technical and editorial	Ericsson	Rev. in N2A000118
N2A000017	045	23.078	Technical and editorial	Ericsson	Approved
N2A000018	046	23.078	Technical and editorial	Ericsson	Revision in 119 but the CR will not be
N2A000019	047	23.078	Technical and editorial	Ericsson	Approved
N2A000020	048	23.078	Inclusion of O-CSI trigger	Ericsson	Revised in N2A000122
N2A000021	016	29.078	General technical and	Ericsson	Rejected (N2A000137)
N2A000022	082	29.002	Inclusion of O-CSI trigger	Ericsson	Endorsed by N2A and forwarded to N2B.
N2A000023	080	29.002	Corrections to ATSI, ATM,	Ericsson	Approved (Joint meeting)
N2A000024	012	29.008	Introduction of 'Notification to	NTT	Rev in N2A000105
N2A000025	003	23.085	Introduction of 'Notification to	NTT	Rev. in N2A000106
N2A000026	001	23.088	Introduction of 'Notification to	NTT	Rev. in N2A000107
N2A000027	049	23.078	AnyTimeSubscriptionInterrog	NTT	Rev. in N2A000108
N2A000028	050	23.078	Addition to SDL of user	NTT	Postponed.
N2A000029	051	23.078	Correction of SDL related	NEC	Revised in Tdoc N2A000134
N2A000030	052	23.078	Addition to description of D-	NEC	Revised in Tdoc N2A000135
N2A000031	053	23.078	Addition to description of	NEC	Postponed.
N2A000032	054	23.078	Dialled services - clarification	Nokia	Revised in N2A000136
N2A000033	055	23.078	Reporting of T_Busy when	Nokia	Approved
N2A000034	017	29.078	SMS related stage 3 issues	Nokia	Rejected (N2A000138, N2A000140)
N2A000035	056	23.078	GPRS interworking to	Nokia	
N2A000036	018	29.078	Corrections to GSRS related	Nokia	
N2A000037	031	23.018	Transmission of CSIs to	Nokia	Rejected for R99
N2A000038	057	23.078	Transmission of CSIs to	Nokia	Rejected for R99
N2A000039	081	29.002	Transmission of CSIs to	Nokia	Rejected for R99
N2A000040	019	29.078	Clean up the clause 4.1.2	Nokia	Rejected (N2A000137)
N2A000041	020	29.078	Clean up the clause 4.1.2	Nokia	Rejected (N2A000137)
N2A000042	021	29.078	Clean up the clause 4.1.3	Nokia	Rejected (N2A000140)
N2A000043	022	29.078	Adding of the clause	Nokia	Rejected (N2A000137)
N2A000044	023	29.078	Corrections to Compatibility	Nokia	Rejected (N2A000137)
N2A000045	024	29.078	Corrections to the clause 4.2	Nokia	Rejected (N2A000137)
N2A000046	025	29.078	Correction to the FCI	Nokia	Rejected (N2A000137,N2A000139)
N2A000047	026	29.078	Corrections to the	Nokia	Rejected (N2A000137)

N2A000048	027	29.078	Remove the PA and P&CUI	Nokia	Rejected (N2A000137,
N2A000049	028	29.078	Correction of the	Nokia	Rejected (N2A000137)
N2A000050	029	29.078	Corrections to the 'MO SMS	Nokia	Rejected (N2A000137)
N2A000051	030	29.078	Corrections to the clause 10	Nokia	Rejected (N2A000138)
N2A000052	031	29.078	Adding of the ActivityTest to	Nokia	Rejected (N2A000137, N2A000139)
N2A000053	032	29.078	Corrections to the clause 11	Nokia	Rejected (N2A000139)
N2A000054	033	29.078	Clean-up the clause 12	Nokia	Rejected (N2A000140)
N2A000055	034	29.078	Connect and	Nokia	Revision in Tdoc N2A000143
N2A000056	058	23.078	CCBS treatment indicator to	Nokia	Withdrawn due to the topic is covered in
N2A000057		23.078	Proposed Stage 2 SDL	Nokia	
N2A000058			Notification control on ODB	NTT	Approved
N2A000059	059	23.078	Addition of gsmSRF	NTT	
N2A000060	060	23.078	Correction of gsmSSF SDL	NTT	
N2A000061	061	23.078	Addition of SCI handling in	NTT	Postponed
N2A000062	062	23.078	Correction of SDL and IF for	NTT	Revised in N2A000123
N2A000063	032	23.018	Inclusion of D-CSI/N-CSI	NTT	Endorsed by N2A and will be forwarded to
N2A000064	035	29.078	Correction of CAP and INAP	NTT	Rejected (N2A000137)
N2A000065	036	29.078	ASN.1 notation of cause	NTT	Rejected (N2A000137)
N2A000066	037	29.078	Services assumed from	NTT	Rejected (N2A000140)
N2A000067			Response Liaison Statement	TSGN	Noted
N2A000068			LS on the Prioritisation of	TSGS	Noted in N2A but VHE ad hoc has to be
N2A000069	063	23.078	Clarification of N-CSI in Core	NTT	Revised in N2A000150
N2A000070			Requirements for finalizing	CN & N2	Noted
N2A000071	033	23.018	Initialisation of Backward Call	Siemens	Approved (plenary)
N2A000072	034	23.018	Correction of the result of the	Siemens	Approved (Joint meeting)
N2A000073	064	23.078	Addition of Connected	Siemens	Rejected
N2A000074	065	23.078	Addition of D-CSI in Insert	Siemens	Withdrawn by the originator.
N2A000075	066	23.078	Addition of Int_Error in	Siemens	
N2A000076	067	23.078	Addition of 'Start Tccd' in the	Siemens	
N2A000077	068	23.078	Correction of the decision	Siemens	
N2A000078	069	23.078	Correction of the description	Siemens	
N2A000079	070	23.078	Correction of the description	Siemens	
N2A000080	071	23.078	Correction of the direction of	Siemens	
N2A000081	072	23.078	Corrections of the process	Siemens	
N2A000082	073	23.078	Editorial changes for legs	Siemens	
N2A000083	074	23.078	Explicit treatment of	Siemens	
N2A000084	075	23.078	Evaluation of D-CSI in	Siemens	Revised in Tdoc N2A000120
N2A000085	076	23.078	Extension of the description	Siemens	Revised in Tdoc N2A000121
N2A000086	077	23.078	gsmSSF DP handling in CF	Siemens	
N2A000087	078	23.078	Improvement the GPRS	Siemens	
N2A000088	079	23.078	Inclusion of Release	Siemens	
N2A000089	038	29.078	Addition of Connected	Siemens	Rejected
N2A000090	040	29.078	Collective changes in 29.078	Siemens	Rejected (N2A000137)
N2A000091			Correction of CF Notification	Siemens	Revised (Joint meeting)
N2A000092	A14	03.78	CAMEL2 Stage 2	Nokia	Rejected
N2A000093	080	23.078	CAMEL3 Stage 2	Nokia	Rejected
N2A000094		22.078	CAMEL3/CAMEL4 stage 1	Nokia	
N2A000095	040	29.078	Specifying time unit for	Ericsson	
N2A000096	081	23.078	Improved SDLs in GPRS	Siemens	
N2A000097	082	23.078	Correction of the description	Siemens	
N2A000098	083	23.078	Correction of gsmSSF on	Alcatel	

N2A000099	084	23.078	Correction of references	Alcatel	
N2A000100	085	23.078	Inclusion of CAMEL Phase 1	Vodafone	
N2A000101	086	23.078	modelling of unsuccessful	Alcatel	
N2A000102	087	23.078	Called Party Number at	Alcatel	
N2A000103	088	23.078	alignement of O_BCSM and	Alcatel	
N2A000104	089	23.078	Correction of Dialed service	NTT	
N2A000105	012r	29.008	Introduction of 'Notification to	NTT	Revised in N2A000128. (Endorsed by N2A)
N2A000106	003r	23.085	Introduction of 'Notification to	NTT	Revised in N2A000129.
N2A000107	001r	23.088	Introduction of 'Notification to	NTT	Revised in N2A000130
N2A000108	049r	23.078	AnyTimeSubscriptionInterrog	NTT	Rejected
N2A000109	088	29.002	AnyTimeSubscriptionInterrog	NTT	Rejected
N2A000110	041r	23.078	Introduction of call gapping	France	Revised in Tdoc N2A000132
N2A000111	015r	29.078	Introduction of call gapping	France	Revised in Tdoc N2A000133
N2A000112			open issues in CAMEL	Nokia	
N2A000113	028r	23.018	User Interaction in	Ericsson	Rejected
N2A000114	034r	23.078	Correction to some SDLs in	Vodafone	
N2A000115	035r	23.078	Correction of Translation	Vodafone	
N2A000116	036r	23.078	Call Completion Treatment	Vodafone	
N2A000117	038r	23.078	Clarification of SS Invocation	Vodafone	
N2A000118	044r	23.078	Technical and editorial	Ericsson	
N2A000119	046r	23.078	Technical and editorial	Ericsson	
N2A000120	075r	23.078	Evaluation of D-CSI in	Siemens	
N2A000121	076r	23.078	Extension of the description	Siemens	
N2A000122	048r	23.078	Inclusion of O-CSI trigger	Ericsson	
N2A000123	062r	23.078	Correction of SDL and IF for	NTT	
N2A000124	037r	23.078	Clarification on CUG	Vodafone	
N2A000125	042r	23.078	Technical and editorial	Ericsson,	
N2A000126	043r	23.078	Technical and editorial	Ericsson,	
N2A000127	041	29.078	Renumbering the headers of	Siemens	
N2A000128	012r	23.008	Introduction of 'Notification to	NTT	Approved (Joint meeting)
N2A000129	003r	23.082	Introduction of 'Notification to	NTT	Endorsed by N2A
N2A000130	001r	23.088	Introduction of 'Notification to	NTT	Endorsed by N2A
N2A000131	040r	23.078	Correction of SS Invocation	Vodafone	
N2A000132	041r	23.078	Introduction of call gapping	France	
N2A000133	015r	29.078	Introduction of call gapping	France	
N2A000134	051r	23.078	Correction of SDL related	NEC	
N2A000135	052r	23.078	Addition to description of D-	NEC	
N2A000136	054r	23.078	Dialed services - clarification	Nokia	
N2A000137	042	29.078	Correction and Editorial		
N2A000138	043	29.078	Correction and Editorial		
N2A000139	044	29.078	Correction and Editorial		
N2A000140	045	29.078	Correction and Editorial		
N2A000141	046	29.078	Object identifier definitions	Marconi	
N2A000142	015r	29.078	Introduction of call gapping	France	
N2A000143	034r	29.078	Connect and	Nokia	
N2A000144		23.073	Defintions of service key		
N2A000145	079	29.002	Correction of SS Invocation	Vodafone	Rejected.
N2A000146	037	23.018	Clarification of N-CSI in Core	T-mobil	Approved (Joint meeting)
N2A000147		22.078	Features available for CAMEL	Lucent	
N2A000148	047	29.078	called Party Number, Called	Alcatel	
N2A000149	032r	23.018	Inclusion of D-CSI/N-CSI	NTT	Approved

N2A000150	063r	23.078	Clarification of N-CSI in Core	NTT	Revised in N2A000151
N2A000151	063r	23.078	Clarification of N-CSI in Core	NTT	