

3GPP TSG CN Plenary
Meeting #10, Bangkok, Thailand
6th – 8th December 2000

Tdoc NP-000612



Draft Report
TSG CN WG2#15
Paris, France
13 - 17 November 2000

Chairman: Keijo Palviainen (Nokia)

Secretary: Per Johan Jorgensen (MCC)

Host: Alcatel, France

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_15_Paris/Docs

1 Opening of the meeting and approval of the agenda

N2-000577 : Title: Proposed agenda

Discussion :

Conclusion : Agreed

2 Allocation of documents to agenda items

N2-000578 : Title: Proposed document allocation

Discussion : Green color means the document also affects CN4. Yellow means not handled, and red means not available.

Conclusion : Agreed

3 Reports

N2-000595 : MCC, Title: Report TSG CN WG2#14 Vienna, Austria

Discussion : What is the MExE status of work regarding CAMEL? Stage 1 is not ready yet.

Conclusion : Noted

N2-000626 : CN2 chairman, Title: Report TSG SA1 CAMEL Ad hoc Paris

Discussion : Joint SA1 and SA2 planned in New Jersey was discussed with respect to participation and outcome. Only work on the documents endorsed by a SA1 ad hoc running in parallel. Since service request feature is still in stage 1 CN2 shall not handle this.

Conclusion : Noted

4 Input liaison statements

N2-000592 : LS IN, SA2, Title: Response to Liaison Statement on IPT Basic Call Handling

Discussion :

Conclusion : Noted

N2-000593 : LS IN, SA2 (VHE/OSA), Title: Reply LS on Support of VHE User Profiles

Discussion : VASP is Value added Service Provider. Companies interested should provide CR's.

Conclusion : Noted

N2-000594 : LS IN, Vodafone(SA2), Title: LS on GERAN impacts on overall system architecture

Discussion : CN2 impact? Handover issue was a candidate, and reporting location. No impact was identified.

Conclusion : Noted

N2-000624 : LS IN, TSG-T2 MExE, Title: Response to LS on Support of VHE User Profiles

Discussion : VHE concept is obviously open, and CN2 should proceed from stage 1 when available for CAMEL4.

Conclusion : *Noted*

5 Work item management & miscellaneous

N2-000636 : Workplan, MCC, Type: Discussion , Title: 3GPP Workplan status before CN2#15

Discussion : Presented and feedback from CN2 was requested for content consistency and stability. Will be opened again on Friday. CAMEL4 should be for Rel-5. IP transport of CAP delayed after MAP, but probably the CAP is not affected (only lower layers). Impact on CAMEL stage 3 for IP MM should be related to CAMEL for VoIP. One delegation is advocating split of CAMEL4,- but CN2 only to wait for a SA1 guidance. CHAIR provides estimates on timing used to plenary on WI management. This shall not be used in any argumentation for taking feature in/out of a version.

Conclusion : *Noted*

6 CAMEL 3, Resolution of outstanding R99 issues

6.1 Miscellaneous

N2-000603 : Rapporteur, Type: TS , Title: Draft CAMEL Phase 3 23.078 V3.6++0

Discussion : Spec modified with editorials and style. This draft 3.6.1 is internal to CN2, but will be base for the soon coming 3.7.0

Conclusion : *Noted*

N2-000607 : 23.008, Alcatel, Type: CR , Title: Editorial changes

Discussion : Chapter references should not be removed. GprsSSF should not be deleted. Actually, this chapter about VLR -> must be deleted. Reason for change refers to CAMEL4. Some "MO" texts should not be added. Tdoc 586 has the SGSN negotiated phase, that is missing from this CR! Removal of "that" is not OK. Delete "the particular". This was already deleted in CAMEL4 CR.

Conclusion : *Revised in Tdoc N2-000641*

N2-000641 : 23.008, Alcatel, Type: CR , Title: Editorial changes

Discussion : The document was not available.

Conclusion : *Postponed. Revised from tdoc N2-000607*

6.2 ATM&ATSI

N2-000597 : 23.078CR#247, Siemens, Title: Request more than one SS data and/or CSI in one ATSI request

Discussion : If approved ASN change CR is needed additionally? Problem with the CN4 stage 2 consistency checking? No it's a new inconsistency. Seen from stage 2 it is not necessarily a misalignment. To be left for CN4 due to segmentation issue? Agreed conditionally that MAP CRs are agreed in the same package. Conditionally agreed, - together with MAP CRs N4-1047 and N4-1048. CN4 CRs was agreed so the N2 companion CR is also agreed.

Conclusion : *Agreed*

N2-000599 : 23.078CR#249, Siemens, Title: Error handling in ATSI

Discussion : This CR proposes to return all available data, and error is returned only if none of the requested data is available. No change required to MAP (09.02). The proposal is to return the latest error. Decided that all available values are returned, and the latest error is returned.

Conclusion : *Revised in Tdoc N2-000632*

N2-000600 : 23.078CR#250, Siemens, Title: Additional clarification for ATM

Discussion : ATM can modify multiple elements. Changes apply to Basic Service code only. "changed new" shall be replaced / erased. ATM SDLs should send message to CB/CF stage 2. It was wanted to send output to follow-me specification (23.094). Some text may not be needed. After SDL upgrade Quotes shall follow ETSI rules. A task box could refer to the SS specs, instead of sending the correct signal.

Conclusion : *Revised in Tdoc N2-000633*

N2-000632 : 23.078CR#249R1, Siemens, Title: Error handling in ATSI

Discussion : "not available" should be "information not available"

Conclusion : *Revised from Tdoc N2-000599 Revised in Tdoc N2-000672*

N2-000633 : 23.078CR#250R1, Siemens, Title: Additional clarification for ATM

Discussion : would -> does, no "changed" word. "equivalent" misspelled in the SDLs. ODB is OK, since the SDLS take that into effect. ODB could be modified in the text.

Conclusion : *Revised from Tdoc N2-000600 Revised in Tdoc N2-000685*

N2-000672 : 23.078CR#249R2, Siemens, Title: Error handling in ATSI

Discussion :

Conclusion : *Agreed without presentation. Revised from Tdoc N2-000632.*

N2-000685 : 23.078CR#250R2, Siemens, Title: Additional clarification for ATM

Discussion : Document could not be made available due to time constraints. The doc to be distributed Wednesday 22/11 noon at latest. Deadline for rejection on the CN2 exploder is Monday 27/11 23:59.

Conclusion : *For e-mail approval. Revised from Tdoc N2-000633.*

6.3 GPRS

N2-000570 : 23.078CR#240, Alcatel, Title: First set of corrections of paragraph 6 GPRS

Discussion : The CR number 240 is first time use and R5 must therefore be removed. (Tdoc 537 had 232 R3 and was not reissued as tdoc 552 in Vienna). A cleaner copy was requested. Confusion with TC dialogue behavior impact. Formally rejected and the next version shall have CR232R4.

Conclusion : *Rejected*

N2-000590 : 23.078CR#243, Nokia, Title: Correction to CAMEL3 GPRS LocationInformation

Discussion : The understanding is that one of the location IDs need to be included.

Conclusion : *Withdrawn*

N2-000596 : 23.078CR#246, Siemens, Title: Correction of the required information elements in Event Report GPRS in the case of DP PDP Context Establishment Acknowledgement

Discussion :

Conclusion : *Rejected*

N2-000598 : 23.078CR#248, Siemens, Title: Improved description of the location information in SGSN

Discussion : If available for GMSC. Tdoc 602 changes LAI as "not applicable". 23.018 is better for CS SMS.

Conclusion : *Revised in Tdoc N2-000643*

N2-000601 : 29.078CR#130, Siemens, Title: Addition of a parameter to indicate the SAI

Discussion :

Conclusion : *Revised in Tdoc N2-000644*

N2-000602 : 23.078CR#251, Rapporteur, Title: Correction of an error implementing CR 23.078-188r2

Discussion : The issue will be incorporated in tdoc 643

Conclusion : *Withdrawn*

N2-000605 : 29.078CR#131, T-Mobil, Title: Correction of Apply Charging Report GPRS definition

Discussion : A sentence removed was seen as acceptable but arguing was done on the new sentence introduced. Add reference to 23.078? No. ApplyCharge and generation of reported time is independent.

Conclusion : *Agreed*

N2-000625 : CR, T-Mobil , Title: Correlation of PDP Context after Routing Area Update

Discussion : Document was not available.

Conclusion : *Withdrawn*

N2-000642 : 23.078CR#232R4, Alcatel, Title: First set of corrections of paragraph 6 GPRS

Discussion : Originally started in Vienna, and was modified from tdoc 570.

Conclusion : *Agreed*

N2-000643 : 23.078CR#248R1, Siemens, Title: Improved description of the location information in SGSN

Discussion : C1 shall state also "if available"

Conclusion : *Revised from Tdoc N2-000598 Revised in Tdoc N2-000673*

N2-000644 : 29.078CR#130R1, Siemens, Title: Addition of a parameter to indicate the SAI

Discussion :

Conclusion : *Agreed without presentation. Revised from Tdoc N2-000601*

N2-000645 : 23.078CR#255, T-Mobil, Title: Introduction of GGSN Address

Discussion : The GGSN address is needed to make the charging ID unique. This is a IPv4 or IPv6 address. Should a conditional package of all 4 CRs in 645 to 648 be sent to SA1 (and CN4) for alignment? Not needed. The GGSN address is unique within its SGSN at least, worldwide uniqueness? Yes, it is unique.

Conclusion : *Agreed*

N2-000646 : 29.078CR#135, T-Mobil, Title: Introduction of GGSN Address

Discussion : Ellipsis shall be in every parameter.

Conclusion : *Revised in Tdoc N2-000653*

N2-000647 : 29.002CR, T-Mobil, Title: Introduction of GGSN Address

Discussion : 3.6.0 is the last version. And additionally 4.1.0 version is needed. Both directly sent to CN4 by T-Mobil.

Conclusion : *Endorced*

N2-000648 : 22.078CR, R99, T-Mobil, Title: Introduction of GGSN Address

Discussion : LS OUT to SA1 need to be drafted.

Conclusion : *Endorced*

N2-000649 : 22.078CR, Rel-4, T-Mobil, Title: Introduction of GGSN Address

Discussion : Will CAMEL4 be Rel-4 or Rel-5? The version 4.0.0 spec. is available.

Conclusion : *Endorced*

N2-000650 : 22.078CR, Rel-5, T-Mobil, Title: Introduction of GGSN Address

Discussion :

Conclusion : Withdrawn

N2-000652 : CAMEL3, Steffen Habermann, Type: LS OUT to SA1, Title: Introduction of GGSN number in CAMEL Phase 3 GPRS Operations

Discussion : 3rd paragraph, delete the condition. One editorial correction.

Conclusion : Revised in Tdoc N2-000659

N2-000653 : 29.078CR#135R1, T-Mobil, Title: Introduction of GGSN Address

Discussion :

Conclusion : Agreed. Revised from Tdoc N2-000646

N2-000654 : 29.078CR#136, Nokia, Title: Introduction of ellipsis for GPRS CAPv3

Discussion : Adds ellipsis everywhere, except where Steffen puts it. FCI has ellipsis on the second level. That is OK. Ellipsis could also be where the editor's note is, no conflict with Steffens CR. Siemens has doubts about this, and will check home.

Conclusion : Revised in Tdoc N2-000671

N2-000659 : CAMEL3, Steffen Habermann, Type: LS OUT to SA1, Title: Introduction of GGSN number in CAMEL Phase 3 GPRS Operations

Discussion : This LS will be sent/e-mailed directly since SA1 meets in parallel with CN2.

Conclusion : Agreed without presentation. Revised from Tdoc N2-000652

N2-000671 : 29.078CR#136R1, Nokia, Title: Introduction of ellipsis for GPRS CAPv3

Discussion : Siemens to do more investigation. Returned with OK.

Conclusion : Agreed. Revised from Tdoc N2-000654

N2-000673 : 23.078CR#248R2, Siemens, Title: Improved description of the location information in SGSN

Discussion :

Conclusion : Agreed without presentation. Revised from Tdoc N2-000643

6.4 SMS

N2-000591 : 29.078CR#129, Nokia , Title: Correction to CAMEL3 MO SMS Cause

Discussion :

Conclusion : Withdrawn

N2-000670 : 29.078CR#, Ericsson , Title: Removal of ellipsis and extensions from ResetTimerSMSArg

Discussion : Compatibility issue was discussed. ResetTimer of call related operation has the extension. May be incompatible with the existing implementation.

Conclusion : Rejected

6.5 Call Related

N2-000566 : 23.078CR#239, Nokia, Title: Check_Gap_Criteria correction

Discussion : The bilateral agreement case is also mentioned in stage 1. Stage 2 only gaps within a PLMN, not a visiting subscriber in that PLMN. Alcatel to check home. Controversial issue towards Tdoc N2-000660.

Conclusion : Agreed and is presented seperately to CN#10(strategic)

N2-000584 : 29.078CR#128, T-Mobil, Title: Correction of Apply Charging Report parameter definition

Discussion : See also tdoc 605. Changes affect only the case when Tsw is before answer. If multiple tariff switches, then what? "The connection to the called party", is this after answer. If a tariff switch happens at any time during call or call setup -> TimeIfTariffSwitch is present. TimeSince... indicates if it happened during this period. When no answer, the time is set to zero.

Conclusion : Revised in Tdoc N2-000651

N2-000585 : 29.078CR, Alcatel , Title: Suppression of gsmbarring

Discussion : Document was not available.

Conclusion : Withdrawn

N2-000587 : 23.078CR, Alcatel , Title: Suppression of gsmbarring

Discussion : Document was not available.

Conclusion : Withdrawn

N2-000651 : 29.078CR#128R1, T-Mobil, Title: Correction of Apply Charging Report parameter definition

Discussion : "no answer" is wrong.

Conclusion : Revised from Tdoc N2-000584. Revised in Tdoc N2-000674

N2-000660 : 22.078CR,R99, Alcatel , Title: Aligement of 22.078 phase3 with 23.078 for Call Gapping functionality

Discussion : During the discussion operators flagged that they did not want to remove bilateral agreements. And it was stated that bilateral agreement is in Stage 2. It was even a proposal to have no gapping for N-CSI at all.

Conclusion : Noted

N2-000661 : 22.078CR,Rel-4, Alcatel , Title: Aligement of 22.078 phase4 with 23.078 for Call Gapping functionality

Discussion :

Conclusion : Noted

N2-000662 : 22.078CR,Rel-5, Alcatel , Title: Aligement of 22.078 phase4 with 23.078 for Call Gapping functionality

Discussion :

Conclusion : Noted

N2-000674 : 29.078CR#128R2, T-Mobil, Title: Correction of Apply Charging Report parameter definition

Discussion :

Conclusion : Revised from Tdoc N2-000651 Revised in Tdoc N2-000675

N2-000675 : 29.078CR#128R3, T-Mobil, Title: Correction of Apply Charging Report parameter definition

Discussion :

Conclusion : Agreed. Revised from Tdoc N2-000674

6.6 Late arrivals

N2-000609 : Ericsson, Type: Discussion, Title: Running draft of 3G TS 29.078 V3.6.0

Discussion :

Conclusion : Noted

N2-000613 : 23.078CR#252, Ericsson , Title: Clarification on permissable procedures for dialled services

Discussion : Introduction of Application Context was discussed, but is not possible for timing reason. What about Subscribed Dialled Services versus Subscribed Services and Dialled Services,- better terminology is wanted. Rejection to be reconsidered in this CR. The text in the CR is indicated in the SDL and do not need duplication.

Conclusion : Rejected

N2-000614 : 29.078CR#134, Ericsson, Title: Clarification on permissable procedures for dialled services

Discussion : Mandating sending up an error? Service logic could try again on error indication. MSC should indicate something to the SCP misbehavior. Objection to the checking in SCF to the intelligent behavior of SCP.

Conclusion : Rejected

N2-000615 : 23.078CR#254, Ericsson, Title: VLR/SGSN update required after Any Time Modification

Discussion : Document and time was not available.

Conclusion : Postponed

N2-000616 : 23.078CR#253, Ericsson , Title: Corrections to MO-SMS

Discussion : Document and time was not available.

Conclusion : Postponed

N2-000617 : 29.078CR#133, Ericsson, Title: Corrections to MO-SMS

Discussion : Document and time was not available.

Conclusion : *Postponed*

7 CAMEL 4, Release 2000

7.1 Review of CAMEL 4 Stage 1 draft

7.2 Miscellaneous CAMEL 4 issues

N2-000604 : Rapporteur, Type: TS , Title: Draft CAMEL Phase 4 23.078 Vx.3.1

Discussion : Currently Stage 2 draft for Phase 4. 3G to 3GPP to be incorporated. Can revision marks for next meeting be incorporated only. When will possible Rel-4 version be available? And/or the Rel-5? SA1 CAMEL ad hoc will discuss this. When is the deadline for plenary to decide on a draft proposed from CN2 as Rel-4 and/or Rel-5.

Conclusion : *Noted*

7.3 Optimum routeing

7.4 Call Party Handling

N2-000560 : Vodafone, Type: 23.078CR , Title: Introduction of Move Leg and Split Leg operations

Discussion : Number of legs is 6, and SRF can be one leg. Number of CSs is not defined. Companies to propose limits. CPH call can be put on hold. CAMEL_subsequent_CS_MSC tackles that. GsmSSF is changed to CS_gsmSSF. A separate CR will follow. MidCall DP shall be done later.

Conclusion : *Revised in Tdoc N2-000663*

N2-000561 : Vodafone, Type: 23.018CR , Title: Introduction of Move Leg and Split Leg operations

Discussion : Nokia, Ericsson and Lucent favour Vodafone approach. Page 11 SDL is questioned, but it was not introduced with this CR. Leg1 check should be "calling leg". "Store_leg_info" stores the MSC related info in the other MSC CC process. MidCall DP needs to be remodelled later on. Internal messages shall have an indication, and some prefixes should be given to the signal names.

Conclusion : *Revised in Tdoc N2-000664*

N2-000562 : Vodafone, Type: 29.078CR , Title: Introduction of Move Leg and Split Leg operations

Discussion : Document was not available.

Conclusion : *Withdrawn*

N2-000563 : Vodafone, Type: 23.078CR, Title: Inclusion of Alerting DP as EDP-R

Discussion :

Conclusion : Agreed

N2-000564 : Vodafone, Type: 23.018CR, Title: Inclusion of Alerting DP as EDP-R

Discussion : A small comment to be incorporated in the combined CR on 23.018.

Conclusion : Endorced

N2-000567 : Nokia, Type: 23.078CR, Title: Introduction of the Split Leg IF

Discussion : Related to 582. Fails to mention 'invers'. Not use the term 'move leg' avoiding conflict with the procedure. Editorials. Change first sentence.

Conclusion : Revised in Tdoc N2-000665

N2-000568 : Nokia, Type: 23.078CR, Title: Introduction of the Move Leg IF

Discussion : Should be a move leg ack? Some editorials. CS vanish if last leg is moved.

Conclusion : Revised in Tdoc N2-000666

N2-000569 : Nokia, Type: 23.078CR, Title: Introduction of the Disconnect Leg IF

Discussion : The application of disconnecting leg was discussed. Empty CS terminates the TC dialogue. The principles goes to the SDL, but not to the IF. Are the idea of controlling and passive legs to be reconsidered? Disconnect leg applies to any leg or any CS. If last leg is released then CS vanishes. If the initial CS ends it means releaseCall.

Conclusion : Revised in Tdoc N2-000667

N2-000571 : Nokia, Type: 23.078CR, Title: Introduction of the DFC With Argument IF

Discussion : Needed for backward compatibility on services also without Arguments?

Conclusion : Agreed

N2-000572 : Nokia, Type: 23.078CR, Title: Introduction of the CS ID to the CTR IF

Discussion : Move the CS ID to the first table after Resource address? Yes. The description to be changed, CS ID does not apply to all parties in the CS, only the CS. The CS ID is not needed if only one CS exists? Use a default value if not received for multippl CS's? Always mandatory was most convenient. Second table removed and applicable parts goes to table 1.

Conclusion : Revised in Tdoc N2-000677

N2-000573 : Nokia, Type: 23.078CR, Title: Introduction of the CS ID to the ETC IF

Discussion : Align with 677 for Connect to resource. Empty CS and initial CS problems were raised, and left for SDLs. Support for empty initial CS to be deleted.

Conclusion : Revised in Tdoc N2-000678

N2-000574 : Nokia, Type: 23.078CR, Title: Introduction of the LegID to the CWA IF

Discussion : Competing doc 582 also would send CS ID as well to handle multipel continuations.

Conclusion : *Agreed*

N2-000575 : Nokia, Type: 23.078CR, Title: Introduction of the CSID to the Cancel IF

Discussion : Should difference to internal or external SRF be described? Used for user interaction and for events and reports implicately. CS ID to be mandatory. Align description.

Conclusion : *Revised in Tdoc N2-000679*

N2-000576 : Nokia, Type: 23.078CR, Title: Introduction of the CSID to the PA IF

Discussion : Same as for 575.

Conclusion : *Revised in Tdoc N2-000680*

N2-000579 : Nokia, Type: 23.078CR, Title: Introduction of the CSID to the P&CUI IF

Discussion : "a call party" is ok, since P&C only points to one party in the description clause. This is not yet decided.

Conclusion : *Revised in Tdoc N2-000681*

N2-000581 : Alcatel, Type: 23.078CR R1, Title: Introduction of gsmSCF initiated new calls

Discussion : GMSC/VMSC cases; are they reflected? ICA in existing spec,-use what is available (SS, CSIs). Supressing VT-CSI to the GMSC would require a MAP change, but Vodafone wants to have it. Redirecting#, not for existing calls. Vodafone does not agree on CF information, and Christian is happy to remove them. Default leg=1 is not OK. CS/leg shall be mandatory. ChargeNumber? CPN could be optional. This CR comes in a joint proposal to the next meeting.

Conclusion : *Noted*

N2-000582 : Alcatel, Type: 23.078CR , Title: Introduction of Call Party Handling Modelling and Information Flows

Discussion : FCI & SCI are not mentioned, SplitLeg. InitialCS restriction is not included here, but in a companion CR. MergeCS shall be removed. Move is only to InitialCS. Can there be any communication before move since only one leg may be existing. ICA leg is a passive leg. In forwarding the controlling leg =leg1. The terms controlling/passive should not be used . ReleaseCall implies no requirement to change. Most CS have only one leg. There could be 2 detection points for MidCall.

Conclusion : *Revised in Tdoc N2-000 682*

N2-000583 : Alcatel, Type: 23.078CR, Title: Introduction of Call Segment Association SDLs

Discussion : Application_begin message should be before IDP. SetupInd/SetupReqInd is intended to be before IDP. LegOperation indicates move/split. In page 13 the ControllingLeg should be a varialble ControllingLegID. A controllingLeg concept is needed? DisconnectLeg for the controlling leg would release the entire call. In CAMEL4 requirements it is required to release any party without releasing the entire call. According to Vodafone these concepts creates confusion. IDP input is missing.

Conclusion : Noted

N2-000606 : Nokia, Type: 23.078CR , Title: Introduction of the CSID to the Reset Timer IF

Discussion :

Conclusion : Withdrawn

N2-000608 : Siemens, Type: 23.078CR, Title: Introduction of the Merge Call Segment IF

Discussion :

Conclusion : Withdrawn and reissued in Tdoc N2-000676

N2-000627 : Nokia, Type: 23.078CR, Title: Introduction of the ICA IF

Discussion : Issues discussed,- roaming number, alerting pattern and various other parameters. Initiated call attempt in GMSC is only allowed for HPLMN. Default value 1 should be removed.

Conclusion : Noted

N2-000655 : Alcatel, Type: 23.078CR, Title: CPH operations for gsmSSF SDLs

Discussion : CS view states: Should they be tables or are SDLs better?

Conclusion : Noted

N2-000663 : Vodafone, Type: 23.078CR R1, Title: Introduction of Move Leg and Split Leg operations

Discussion : Discussion if this should be incorporated in the draft or not.

Conclusion : Agreed without presentation. Revised from Tdoc N2-000560

N2-000664 : Vodafone, Type: 23.018CR R1, Title: Introduction of Move Leg and Split Leg operations

Discussion : The internal signals and prefixes to be included.

Conclusion : Agreed without presentation. Revised from Tdoc N2-000561

N2-000665 : Nokia, Type: 23.078CR R1, Title: Introduction of the Split Leg IF

Discussion :

Conclusion : Agreed without presentation. Revised from Tdoc N2-000567

N2-000666 : Nokia, Type: 23.078CR R1, Title: Introduction of the Move Leg IF

Discussion :

Conclusion : Agreed without presentation. Revised from Tdoc N2-000568

N2-000667 : Nokia, Type: 23.078CR R1, Title: Introduction of the Disconnect Leg IF

Discussion :

Conclusion : Agreed without presentation. Revised from Tdoc N2-000569

N2-000676 : Siemens, Type: 23.078CR, Title: Introduction of the Merge Call Segment IF

Discussion : Reissue of Tdoc N2-000608. What additional functionality is hereby introduced when move CS is in already? Stage 1 limits additional CSs to one only.

Conclusion : Rejected

N2-000677 : Nokia, Type: 23.078CR R1, Title: Introduction of the CS ID to the CTR IF

Discussion :

Conclusion : Agreed. Revised from Tdoc N2-000572

N2-000678 : Nokia, Type: 23.078CR R1, Title: Introduction of the CS ID to the ETC IF

Discussion :

Conclusion : Agreed. Revised from Tdoc N2-000573

N2-000679 : Nokia, Type: 23.078CR R1, Title: Introduction of the CSID to the Cancel IF

Discussion :

Conclusion : Agreed. Revised from Tdoc N2-000575

N2-000680 : Nokia, Type: 23.078CR R1, Title: Introduction of the CSID to the PA IF

Discussion :

Conclusion : Agreed. Revised from Tdoc N2-000576

N2-000681 : Nokia, Type: 23.078CR R1, Title: Introduction of the CSID to the P&CUI IF

Discussion :

Conclusion : Agreed. Revised from Tdoc-000579

N2-000682 : Alcatel, Type: 23.078CR R1, Title: Introduction of Call Party Handling Modelling and Information Flows

Discussion : ResefTimer (assumed). DTMF is not possible in GMSC nor in CF. 'SCF' to be exchanged with 'gsmSCF'.

Conclusion : Revised from Tdoc N2-000582 Revised in Tdoc N2-000686

N2-000686 : Alcatel, Type: 23.078CR R2, Title: Introduction of Call Party Handling Modelling and Information Flows

Discussion :

Conclusion : Agreed without presentation. Revised from Tdoc N2-000682.

7.5 IP Telephony

7.6 MT-SMS

N2-000580 : Siemens, Type: 23.016CR , Title: MT-SMS

Discussion : Default MO SMS handling, and MO SMS TDP, should have the old names without "MO". Same with "MT". Latest version is 3.6.0. Later on we may have to make CR against Rel-4 23.016. Need to be revised, and shall make basis for the collective CR. Cover page must be updated according to the new CR-form. Not yet sent to CN4.

Conclusion : Revised in Tdoc N2-000634

N2-000586 : Alcatel, Type: 23.008CR, Title: Introduction of MO-SMS-CSI and MT-SMS-CSI in 23.008

Discussion : Why are subclauses in table 2 removed? To be kept and edited according to Editihelp rules. The editor note to be deleted or incorporated to be the rapporteurs editors note in the draft? Delete and use SMS delivery (request). Remove CR towards Rel-4 and use version 3.5.0. Make a collective CR towards Rel-4?

Conclusion : Revised in Tdoc N2-000635

N2-000634 : Siemens, Type: 23.016CR R1, Title: R00 23.016-CR-- MT-SMS (collective CR)

Discussion : Agreed in contents and go to the package. Not yet sent to CN4.

Conclusion : Endorced. Revised from Tdoc-000580

N2-000635 : Alcatel, Type: 23.008CR R1, Title: Introduction of MO-SMS-CSI and MT-SMS-CSI in 23.008

Discussion : Document is not available.

Conclusion : Postponed. Revised from Tdoc N2-000586

7.7 Other call related issues

7.8 Announcement

N2-000588 : Lucent, Type: 23.078CR , Title: Introduction of flexible tones in ApplyCharing Informtion Flow

Discussion : Warning tone deletion versus backward compatibility. Should the two IE both be optional as a choice. List of 3 possible bursts as limit?

Conclusion : Revised for next meeting

N2-000589 : Lucent, Type: 23.078CR , Title: Introduction of flexible tone control in ApplyCharging

Discussion : Maximum is 2 seconds but can be discussed. Is it better with 100ms granularity instead of 1 ms? Yes. Choice is preferred but compatibility requires the new IE to be added. In application context this choice is implicit. Sequence of bursts are assumed.

Conclusion : *Revised for next meeting*

7.9 Late arrivals

N2-000610 : Ericsson, Type: TS , Title: Draft 3G TS 29.078 VX.0.0 (CAMEL Phase 4)

Discussion :

Conclusion : *Postponed*

N2-000611 : Ericsson, Type: 23.078CR , Title: Inclusion of destination number in CF Forwarding Notification

Discussion :

Conclusion : *Postponed*

N2-000612 : Ericsson, Type: 29.078CR , Title: Inclusion of destination number in CF Forwarding Notification

Discussion :

Conclusion : *Postponed*

N2-000618 : Ericsson, Type: 23.078CR , Title: Corrections to MT-SMS

Discussion : Document is not available.

Conclusion : *Postponed*

N2-000619 : Ericsson, Type: 29.078CR , Title: Corrections to MT-SMS

Discussion : Document is not available.

Conclusion : *Postponed*

N2-000620 : Ericsson, Type: 23.078CR , Title: Cause codes for MT-SMS

Discussion : Document is not available.

Conclusion : *Postponed*

N2-000621 : Ericsson, Type: 29.078CR , Title: Cause codes for MT-SMS

Discussion : Document is not available.

Conclusion : *Postponed*

N2-000623 : Siemens, Type: 23.078CR , Title: Introduction of Charging Notification IFs

Discussion :

Conclusion : Postponed

8 Maintenance of earlier CAMEL phases

N2-000565 : Vodafone, Type: Discussion , Title: Support of CAMEL Phase 1 and/or CAMEL Phase 2

Discussion : Uncertainty if CAMEL phase 2 is consistent with phase 1,- only added functionality. HLR should not send the CSI without knowing the support of the VLR. 3 issue: -if ph2 does it mandate ph1as proposed, - the principle need to go to ph3 or it becomes more complex if ph 1 is not supported ,- the compatibility issue on specs. Alcatel questioned the support of ph 1 and ph2 as 2 entities? No. Does the HLR need the same mandate (related to the SCP)? Marconi see this much as a comercial issue. Also Lucent doubts the mandating. The issue should be adressed SA1.Any technical objections to the proposal? CAMEL ph2 is not clear on this backward support as is ph3 (R99), and needs clarification. LS out plus a CR on stage 1 to be drafted by Ruth. No decisions yet but the R99 solution should be used for ph2 as well. R97 and R98, in CR's 630 and 631 respectively.

Conclusion : Noted. See 628, 629, 630 and 631.

N2-000628 : Vodafone, Type: 02.78CR , Title: Support of CAMEL Phase 1 and 2

Discussion : Stage 1 proposed CR based on 565 discussion. Editorials needed.

Conclusion : Revised in Tdoc N2-000637

N2-000629 : CAMEL1 and 2, Ruth Hewson, Type: LS OUT to SA1 (copy CN), Title: Support of CAMEL Phase 1 and/or CAMEL Phase 2

Discussion : LS out based on 565 and needs editorial modifications.

Conclusion : Revised in Tdoc N2-000640

N2-000630 : Vodafone, Type: 09.02CR R97 , Title: Clarification in SupportedCamelPhases

Discussion : CR on R97 originating from 565 going to CN4. Mark as essential correction.

Conclusion :Endorced

N2-000631 : Vodafone, Type: 09.02CR R98 , Title: Clarification in SupportedCamelPhases

Discussion : CR category A on R98 originating from 565 going to CN4

Conclusion :Endorced

N2-000637 : Vodafone, Type: 02.78CR R97 , Title: Support of CAMEL Phase 1 and 2

Discussion :

Conclusion : Endorced without presentation. Revised from Tdoc N2-000628

N2-000638 : Vodafone, Type: 02.78CR R98, Title: Support of CAMEL Phase 1 and 2

Discussion :

Conclusion : Endorced without presentation.

N2-000639 : Vodafone, Type: 22.078CR , Title: Support of CAMEL Phase 1 and 2

Discussion :

Conclusion : Endorced without presentation.

N2-000640 : CAMEL1 and 2, Ruth Hewson, Type: LS OUT to SA1 (copy CN) , Title: Support of CAMEL Phase 1 and/or CAMEL Phase 2

Discussion : This LS will be sent/e-mailed directly since SA1 meets in parallel with CN2.

Conclusion : Agreed. Revised from Tdoc N2-000629

8.1 CAMEL1

8.1 CAMEL2

N2-000545 : R97 03.78CR#159R2, Siemens , Title: Correction on CF notification

Discussion : Discussion wether this is a critical error or not. The service logic may have compatibility problems if the SDLs should change. Pre-paid services would usually terminated the dialogue in DP12 when pending CF. CFNRc affected ? In CAMEL2 no changes can be done in SDLs, but a warning about different implementations is the compromise. And that CAMEL3 shall have SDLs corrected.

Conclusion : Revised in Tdoc N2-000656

N2-000546 : R98 03.78CR#160R2, Siemens , Title: Correction on CF notification

Discussion :

Conclusion : Revised in Tdoc N2-000657

N2-000622 : 23.078CR#245R3, Siemens , Title: Correction on CF notification

Discussion : Lot of discussion with attempt to fill out a table with all combinations. GsmSSF_invoked decision box may be unnecessary. If CAP is invoked once then no more new dialogues need to be opened. Need to be postponed since it is not known how it should work for CAMEL3.

Conclusion : Revised from Tdoc N2-000545 Revised in Tdoc N2-000668

N2-000656 : R97 03.78CR#159R3, Siemens , Title: Correction on CF notification

Discussion : Also FTN should be mentioned, not only T-CSI. Wording chosen to highlight both options.

Conclusion : Revised from Tdoc N2-000545 Revised in Tdoc N2-000668

N2-000657 : R98 03.78CR#160R3, Siemens , Title: Correction on CF notification

Discussion :

Conclusion : Revised from Tdoc N2-000546 Revised in Tdoc N2-000669

N2-000658 : Nokia, Type: LS OUT to SA1 , Title: Liason statement on interaction between GSM call forwardings (including call deflection) and CAMEL 3 TDPs

Discussion : Stage 1 has requirements for unsuccessfull calls,- is CF in this category? Companies to provide CRs to next CN2 and/or SA1 if considered necessary.

Conclusion : Noted

N2-000668 : R97 03.78CR#159R4, Siemens , Title: Correction on CF notification

Discussion : Note style not OK. Category to be chosen for the CR: accepted by all relevant manufacturing companies.

Conclusion : Revised from Tdoc N2-000656 Revised in Tdoc N2-000683

N2-000669 : R98 03.78CR#160R4, Siemens , Title: Correction on CF notification

Discussion :

Conclusion : Revised from Tdoc N2-000657 Revised in Tdoc N2-000684

N2-000683 : R97 03.78CR#159R5, Siemens , Title: Correction on CF notification

Discussion :

Conclusion : Agreed without presentation. Revised from Tdoc N2-000668

N2-000684 : R98 03.78CR#160R5, Siemens , Title: Correction on CF notification

Discussion :

Conclusion : Agreed without presentation. Revised from Tdoc N2-000669.

9 Review of dates and hosts for future meetings

Meeting schedule for 2001

3GPP Meeting	Date	Place	Host
TSG#10	6-13 December 2000	Bangkok, Thailand	
N2#16	15-19 January 2001	Beijing, China	Eriasson, China
N2#17	26 February -2 March 2001	Sophia Antipolis (TBD)	ETSI
TSG#11	14-22 March 2001	USA	T1 companies

N2#18	14-18 May 2001	USA	
TSG#12	13-21 June 2001	Stockholm, Sweden	Ericsson
N2#19	09-13 July 2001	Dusseldorf, Germany	Mannesmann
TSG#13	26 Sep – 4 Oct 2001	Beijing, China	Lucent Technologies, CWTS
N2#20	15-19 October 2001	UK	Vodafone, BT
N2#21	26-30 November 2001	T.B.D	T.B.D
TSG#14	12-20 December 2001	T.B.D	T.B.D

10 Closing of the meeting (15:30 Friday)

It was agreed in general to start meetings at 09:00 on Mondays and finish 15:30 on Fridays.

The new CRv3 template was introduced, and will take total effect for new CRs starting on January meeting. For Bangkok it will be a mix of CR cover pages. CAMEL4 is the acronym, and therefore CAMEL2 and CAMEL3 for earlier releases as defined before.

Can CAMEL3 reach freezing in next CN#10 plenary meeting (R99 freeze) was asked, but not supported by the majority.

Another question is CAMEL phase 4. It will possibly be Rel-5, so what shall be done for CAMEL3 and Rel-4 ?

CN2 is currently doing a draft specification for CAMEL4.

Make a LS to SA1 in Jan meeting to propose clear service requirements on CF notification for R99 (Tdoc N2-000622).

Take MT SMS MAP CR to the January meeting and incorporate comments.

Annex A Participants list

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Annex B Output Documents

Agreed Change Requests for CAMEL Phase 2 and 3

TDoc #	Spec	CR #	Rev	WI	Cat	Version	Title
N2-000683	03.78	A159	5	CAMEL2	F	6.7.0	Correction on CF notification
N2-000684	03.78	A160	5	CAMEL2	A	7.4.0	Correction on CF notification
N2-000642	23.078	232	4	CAMEL3	F	3.6.0	First set of corrections of paragraph 6 GPRS
N2-000566	23.078	239		CAMEL3	F	3.6.0	Check_Gap_Criteria correction
N2-000597	23.078	247		CAMEL3	F	3.6.0	Request more than one SS data and/or CSI in one ATSI request
N2-000673	23.078	248	2	CAMEL3	F	3.6.0	Improved description of the location information in SGSN
N2-000672	23.078	249	2	CAMEL3	F	3.6.0	Error handling in ATSI
N2-000645	23.078	255		CAMEL3	F	3.6.0	Introduction of GGSN Address
N2-000675	29.078	128	3	CAMEL3	F	3.5.0	Correction of Apply Charging Report parameter definition
N2-000644	29.078	130	1	CAMEL3	F	3.5.0	Addition of a parameter to indicate the SAI
N2-000605	29.078	131		CAMEL3	F	3.5.0	Correction of Apply Charging Report GPRS definition
N2-000653	29.078	135	1	CAMEL3	F	3.5.0	Introduction of GGSN Address
N2-000671	29.078	136	1	CAMEL3	F	3.5.0	Introduction of ellipsis for GPRS CAPv3

CRs for e-mail agreement

N2-000685	23.078	250	2	CAMEL3	F	3.6.0	Additional clarification for ATM
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N4 Documents Endorsed by N2

TDoc #	Spec	CR #	Rev	WI	Cat	Version	Title	Conclusion	Type
N2-000630	09.02			CAMEL1 and 2	F	6.9.0	Clarification in SupportedCamelPhases	Endorced	CR
N2-000631	09.02			CAMEL1 and 2	A	7.6.0	Clarification in SupportedCamelPhases	Endorced	CR

N2-000647	29.002			CAMEL3	F	3.5.0	Introduction of GGSN Address	Endorced	CR
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Approved Liaison Statement

TDoc #	Type	Title	Source	WI	Rel	Vers	Spec	Discussion
N2-000640	LS OUT to SA1 (CC:CN)	Support of CAMEL Phase 1 and/or CAMEL Phase 2	Vodafone	CAMEL1 and 2				LS out to SA1 based on 565. This LS will be sent/e-mailed directly since SA1 meets in parallel with CN2. Ruth Hewson
N2-000659	LS OUT to SA1	Introduction of GGSN number in CAMEL Phase 3 GPRS Operations	CN2	CAMEL3				This LS will be sent directly since SA1 meets in parallel with CN2. Steffen Habermann.

Annex C List of Documents

TDoc #	Type	Title	Source	WI	CR #	Rev	Cat	Rel	Versio n	Spec	Conclusio n
N2-000545	CR	Correction on CF notification	Siemens	CAMEL 2	A159	2	F	R97	6.7.0	03.78	Revised in Tdoc N2-000656
N2-000546	CR	Correction on CF notification	Siemens	CAMEL 2	A160	2	A	R98	7.4.0	03.78	Revised in Tdoc N2-000657
N2-000560	CR	Introduction of Move Leg and Split Leg operations	Vodafone	CAMEL 4			B	5	X.3.0	23.078	Revised in Tdoc N2-000663
N2-000561	CR	Introduction of Move Leg and Split Leg operations	Vodafone	CAMEL 4			B	5	4.0.0	23.018	Revised in Tdoc N2-000664
N2-000562	CR	Introduction of Move Leg and Split Leg operations	Vodafone	CAMEL 4			B			29.078	Withdrawn
N2-000563	CR	Inclusion of Alerting DP as EDP-R	Vodafone	CAMEL 4			C	5	X.3.0	23.078	Agreed
N2-000564	CR	Inclusion of Alerting DP as EDP-R	Vodafone	CAMEL 4			C	5	N2-494	23.018	Endorced
N2-000565	Discu sion	Support of CAMEL Phase 1 and/or CAMEL Phase 2	Vodafone	CAMEL 1 and 2							Noted. See 628, 629, 630 and 631.
N2-000566	CR	Check_Gap_Criteria correction	Nokia	CAMEL 3	239		F	99	3.6.0	23.078	Agreed and is presented seperately

											to CN#10
N2-000567	CR	Introduction of the Split Leg IF	Nokia	CAMEL 4			B	00	x.3.1	23.078	Revised in Tdoc N2-000665
N2-000568	CR	Introduction of the Move Leg IF	Nokia	CAMEL 4			B	00	x.3.1	23.078	Revised in Tdoc N2-000666
N2-000569	CR	Introduction of the Disconnect Leg IF	Nokia	CAMEL 4			B	00	x.3.1	23.078	Revised in Tdoc N2-000667
N2-000570	CR	First set of corrections of paragraph 6 GPRS	Alcatel	CAMEL 3	240		F	R99	3.6.0	23.078	Rejected
N2-000571	CR	Introduction of the DFC With Argument IF	Nokia	CAMEL 4			B	00	x.3.1	23.078	Agreed
N2-000572	CR	Introduction of the CS ID to the CTR IF	Nokia	CAMEL 4			B	00	x.3.1	23.078	Revised in Tdoc N2-000677
N2-000573	CR	Introduction of the CS ID to the ETC IF	Nokia	CAMEL 4			B	00	x.3.1	23.078	Revised in Tdoc N2-000678
N2-000574	CR	Introduction of the LegID to the CWA IF	Nokia	CAMEL 4			B	00	x.3.1	23.078	Agreed
N2-000575	CR	Introduction of the CSID to the Cancel IF	Nokia	CAMEL 4			B	00	x.3.1	23.078	Revised in Tdoc N2-000679
N2-000576	CR	Introduction of the CSID to the PA IF	Nokia	CAMEL 4			B	00	x.3.1	23.078	Revised in Tdoc N2-000680
N2-000577		Proposed agenda	CN2 chairman								Agreed
N2-000578		Proposed document allocation	CN2 chairman								Agreed
N2-000579	CR	Introduction of the CSID to the P&CUI IF	Nokia	CAMEL 4			B	00	x.3.1	23.078	Revised in Tdoc N2-000681
N2-000580	CR	MT-SMS	Siemens	CAMEL 4			B			23.016	Revised in Tdoc N2-000634
N2-000581	CR	Introduction of gsmSCF initiated new calls	Alcatel	CAMEL 4		1	B			23.078	Noted
N2-000582	CR	Introduction of Call Party Handling Modelling and	Alcatel	CAMEL 4			B			23.078	Revised in Tdoc N2-

		Information Flows									000 682
N2-000583	CR	Introduction of Call Segment Association SDLs	Alcatel	CAMEL 4			B			23.078	Noted
N2-000584	CR	Correction of Apply Charging Report parameter definition	T-Mobil	CAMEL 3	128		F			29.078	Revised in Tdoc N2-000651
N2-000585	CR	Suppression of gsmbarrring	Alcatel	CAMEL 3	242		F			29.078	Withdrawn
N2-000586	CR	Introduction of MO-SMS-CSI and MT-SMS-CSI in 23.008	Alcatel	CAMEL 4				00		23.008	Revised in Tdoc N2-000635
N2-000587	CR	Suppression of gsmbarrring	Alcatel	CAMEL 3	241		F			23.078	Withdrawn
N2-000588	CR	Introduction of flexible tones in ApplyCharing Informtion Flow	Lucent Technologies	CAMEL 4			B	00	X.3.1	23.078	Revised for next meeting
N2-000589	CR	Introduction of flexible tone control in ApplyCharging	Lucent Technologies	CAMEL 4			B	00	3.5.0	29.078	Revised for next meeting
N2-000590	CR	Correction to CAMEL3 GPRS LocationInformation	Nokia	CAMEL 3	243		F	R99	3.6.0	23.078	Withdrawn
N2-000591	CR	Correction to CAMEL3 MO SMS Cause	Nokia	CAMEL 3	129		F	R99	3.5.0	29.078	Withdrawn
N2-000592	LS IN	Response to Liaison Statement on IPT Basic Call Handling	SA2								Noted
N2-000593	LS IN	Reply LS on Support of VHE User Profiles	SA2 (VHE/OSA)								Noted.
N2-000594	LS IN	LS on GERAN impacts on overall system architecture	Vodafone (SA2)								Noted.
N2-000595	Report	Report TSG CN WG2#14 Vienna, Austria	MCC								Noted
N2-000596	CR	Correction of the required information elements in Event Report GPRS in the case of DP PDP Context Establishment Acknowledgement	Siemens	CAMEL 3	246		F			23.078	Rejected

N2-000597	CR	Request more than one SS data and/or CSI in one ATSI request	Siemens	CAMEL 3	247		F	99	3.6.0	23.078	Agreed
N2-000598	CR	Improved description of the location information in SGSN	Siemens	CAMEL 3	248		F	99	3.6.0	23.078	Revised in Tdoc N2-000643
N2-000599	CR	Error handling in ATSI	Siemens	CAMEL 3	249		F	99	3.6.0	23.078	Revised in Tdoc N2-000632
N2-000600	CR	Additional clarification for ATM	Siemens	CAMEL 3	250		F	99	3.6.0	23.078	Revised in Tdoc N2-000633
N2-000601	CR	Addition of a parameter to indicate the SAI	Siemens	CAMEL 3	130		F	99	3.5.0	29.078	Revised in Tdoc N2-000644
N2-000602	CR	Correction of an error implementing CR 23.078-188r2	Rapporteur	CAMEL 3	251		F			23.078	Withdrawn
N2-000603	OTHE R	Draft CAMEL Phase 3 23.078 V3.6++0	Rapporteur	CAMEL 3							Noted
N2-000604	OTHE R	Draft CAMEL Phase 4 23.078 Vx.3.1	Rapporteur	CAMEL 4							Noted
N2-000605	CR	Correction of Apply Charging Report GPRS definition	T-Mobil	CAMEL 3	131		F	R99	3.5.0	29.078	Agreed
N2-000606	CR	Introduction of the CSID to the Reset Timer IF	Nokia	CAMEL 4			B	00	x.3.1	23.078	Withdrawn
N2-000607		Editorial changes	Alcatel	CAMEL 3						23.008	Revised in Tdoc N2-000641
N2-000608	Other	Introduction of the Merge Call Segment IF	Siemens	CAMEL 4				00	x.3.1	23.078	Withdrawn and reissued in Tdoc N2-000676
N2-000609	Discussion	Running draft of 3G TS 29.078 V3.6.0	Ericsson	CAMEL 3	132			R99	3.5.0	29.078	Noted
N2-000610	TS	Draft 3G TS 29.078 VX.0.0 (CAMEL Phase 4)	Ericsson	CAMEL 4				00		29.078	Postponed
N2-000611	CR	Inclusion of destination number in CF Forwarding Notification	Ericsson	CAMEL 4			B	00	3.6.0	23.078	Postponed
N2-000612	CR	Inclusion of destination number in CF Forwarding	Ericsson	CAMEL 4			B	00	3.5.0	29.078	Postponed

		Notification									
N2-000613	CR	Clarification on permissible procedures for dialled services	Ericsson	CAMEL 3	252		D	R99	3.6.0	23.078	Rejected
N2-000614	CR	Clarification on permissible procedures for dialled services	Ericsson	CAMEL 3	134		D	R99	3.5.0	29.078	Rejected
N2-000615	CR	VLR/SGSN update required after Any Time Modification	Ericsson	CAMEL 3	254		D	R99	3.6.0	23.078	Postponed
N2-000616	CR	Corrections to MO-SMS	Ericsson	CAMEL 3	253		D	R99	3.6.0	23.078	Postponed
N2-000617	CR	Corrections to MO-SMS	Ericsson	CAMEL 3	133		D	00	3.5.0	29.078	Postponed
N2-000618	CR	Corrections to MT-SMS	Ericsson	CAMEL 4			F	00	3.6.0	23.078	Postponed
N2-000619	CR	Corrections to MT-SMS	Ericsson	CAMEL 4			F	00	3.5.0	29.078	Postponed
N2-000620	CR	Cause codes for MT-SMS	Ericsson	CAMEL 4			F	00	3.6.0	23.078	Postponed
N2-000621	CR	Cause codes for MT-SMS	Ericsson	CAMEL 4			F	00	3.5.0	29.078	Postponed
N2-000622	CR	Correction on CF notification	Siemens	CAMEL Phase 2	245	3	A	R99	3.6.0	23.078	Postponed
N2-000623	CR	Introduction of Charging Notification IFs	Siemens	CAMEL 4				00	x.3.1	23.078	Postponed
N2-000624	LS IN	Response to LS on Support of VHE User Profiles	TSG-T2 MExE								Noted.
N2-000625		Correlation of PDP Context after Routing Area Update	T-Mobil	CAMEL 3							Withdrawn
N2-000626	Report	Report TSG SA1 CAMEL Ad hoc Paris	CN2 chair								Noted
N2-000627	CR	Introduction of the ICA IF	Nokia	CAMEL 4					x.3.1	23.078	Noted
N2-000628	CR	Support of CAMEL Phase 1 and 2	Vodafone	CAMEL 1 and 2						02.78	Revised in Tdoc N2-000637
N2-000629	LS OUT to	Support of CAMEL Phase 1 and/or CAMEL Phase 2	Vodafone	CAMEL 1 and 2							Revised in Tdoc N2-000640

	SA1(C C:CN)										
N2-000630	CR	Clarification in SupportedCamelPhases	Vodafone	CAMEL 1 and 2			F	R97	6.9.0	09.02	Endorced
N2-000631	CR	Clarification in SupportedCamelPhases	Vodafone	CAMEL 1 and 2			A	R98	7.6.0	09.02	Endorced
N2-000632	CR	Error handling in ATSI	Siemens	CAMEL 3	249	1	F	99	3.6.0	23.078	Revised from Tdoc N2-000599 Revised in Tdoc N2-000672
N2-000633	CR	Additional clarification for ATM	Siemens	CAMEL 3	250	1	F	99	3.6.0	23.078	Revised from Tdoc N2-000600 Revised in Tdoc N2-000685
N2-000634	CR	R00 23.016-CR--MT-SMS (collective CR)	Siemens	CAMEL 4			B	00	3.6.0	23.016	Endorced. Revised from Tdoc-000580
N2-000635	CR	Introduction of MO-SMS-CSI and MT-SMS-CSI in 23.008	Alcatel	CAMEL 4				00		23.008	Postponed. Revised from Tdoc N2-000586
N2-000636	Discussion	3GPP Workplan status before CN2#15	MCC								Noted
N2-000637	CR	Support of CAMEL Phase 1 and 2	Vodafone	CAMEL 1 and 2				R97		02.78	Endorced without presentation. Revised from Tdoc N2-000628
N2-000638	CR	Support of CAMEL Phase 1 and 2	Vodafone	CAMEL 1 and 2				R98		02.78	Endorced without presentation.
N2-000639	CR	Support of CAMEL Phase 1 and 2	Vodafone	CAMEL 1 and 2				R99		22.078	Endorced without presentation.
N2-000640	LS OUT to	Support of CAMEL Phase 1 and/or	Vodafone	CAMEL 1 and 2							Agreed. Revised from Tdoc

	SA1(C C:CN)	CAMEL Phase 2									N2-000629
N2-000641		Editorial changes	Alcatel	CAMEL 3					23.008		Postponed. Revised from tdoc N2- 000607
N2-000642	CR	First set of corrections of paragraph 6 GPRS	Alcatel	CAMEL 3	232	4	F	R99	3.6.0	23.078	Agreed
N2-000643	CR	Improved description of the location information in SGSN	Siemens	CAMEL 3	248	1	F			23.078	Revised from Tdoc N2- 000598 Revised in Tdoc N2- 000673
N2-000644	CR	Addition of a parameter to indicate the SAI	Siemens	CAMEL 3	130	1	F	99	3.5.0	29.078	Agreed withou presentation. Revised from Tdoc N2- 000601
N2-000645	CR	Introduction of GGSN Address	T-Mobil	CAMEL 3	255		F	R99	3.6.0	23.078	Agreed
N2-000646	CR	Introduction of GGSN Address	T-Mobil	CAMEL 3	135		F	R99	3.5.0	29.078	Revised in Tdoc N2- 000653
N2-000647	CR	Introduction of GGSN Address	T-Mobil	CAMEL 3			F	R99	3.5.0	29.002	Endorced
N2-000648	CR	Introduction of GGSN Address	T-Mobil	CAMEL 3			F	R99	3.5.0	22.078	Endorced
N2-000649	CR	Introduction of GGSN Address	T-Mobil	CAMEL 4			A	Rel- 4	4.0.0	22.078	Endorced
N2-000650	CR	Introduction of GGSN Address	T-Mobil	CAMEL 4			A	Rel- 5	4.0.0	22.078	Withdrawn
N2-000651	CR	Correction of Apply Charging Report parameter definition	T-Mobil	CAMEL 3	128	1	F			29.078	Revised from Tdoc N2- 000584 Revised in Tdoc N2- 000674
N2-000652	LS OUT to SA1	Introduction of GGSN number in CAMEL Phase 3 GPRS Operations	T-Mobil	CAMEL 3							Revised in Tdoc N2- 000659
N2-000653	CR	Introduction of GGSN Address	T-Mobil	CAMEL 3	135	1	F	R99	3.5.0	29.078	Agreed. Revised

											from Tdoc N2-000646
N2-000654	CR	Introduction of ellipsis for GPRS CAPv3	Nokia	CAMEL 3	136		F	R99	3.5.0	29.078	Revised in Tdoc N2-000671
N2-000655	CR	23.078-CR CPH operations for gsmSSF SDLs	Alcatel	CAMEL 4					x.3.1	23.078	Noted
N2-000656	CR	Correction on CF notification	Siemens	CAMEL 2	A159	3	F	R97	6.7.0	03.78	Revised from Tdoc N2-000545 Revised in Tdoc N2-000668
N2-000657	CR	Correction on CF notification	Siemens	CAMEL 2	A160	3	A	R98	7.4.0	03.78	Revised from Tdoc N2-000546 Revised in Tdoc N2-000669
N2-000658	LS OUT to SA1	Liasion statement on interaction between GSM call forwardings (including call deflection) and CAMEL 3 TDPs	Nokia	CAMEL 2							Noted.
N2-000659	LS OUT to SA1	Introduction of GGSN number in CAMEL Phase 3 GPRS Operations	CN2	CAMEL 3							Agreed without presentation. Revised from Tdoc N2-000652
N2-000660	CR	Alignement of 22.078 phase3 with 23.078 for Call Gapping functionality	Alcatel	CAMEL 3				R99	3.5.0	22.078	Noted
N2-000661	CR	Alignement of 22.078 phase4 with 23.078 for Call Gapping functionality	Alcatel	CAMEL 3				Rel-4		22.078	Noted
N2-000662	CR	Alignement of 22.078 phase4 with 23.078 for Call Gapping functionality	Alcatel	CAMEL 3				Rel-5		22.078	Noted
N2-000663	CR	Introduction of Move Leg and Split Leg operations	Vodafone	CAMEL 4			B	5	X.3.0	23.078	Agreed without presentation. Revised

											from Tdoc N2-000560
N2-000664	CR	Introduction of Move Leg and Split Leg operations	Vodafone	CAMEL 4			B	5	4.0.0	23.018	Agreed without presentation. Revised from Tdoc N2-000561
N2-000665	CR	Introduction of the Split Leg IF	Nokia	CAMEL 4			B	00	x.3.1	23.078	Agreed without presentation. Revised from Tdoc N2-000567
N2-000666	CR	Introduction of the Move Leg IF	Nokia	CAMEL 4			B	00	x.3.1	23.078	Agreed without presentation. Revised from Tdoc N2-000568
N2-000667	CR	Introduction of the Disconnect Leg IF	Nokia	CAMEL 4			B	00	x.3.1	23.078	Agreed without presentation. Revised from Tdoc N2-000569
N2-000668	CR	Correction on CF notification	Siemens	CAMEL 2	A159	4	F	R97	6.7.0	03.78	Revised from Tdoc N2-000656 Revised in Tdoc N2-000683
N2-000669	CR	Correction on CF notification	Siemens	CAMEL 2	A160	4	A	R98	7.4.0	03.78	Revised from Tdoc N2-000657 Revised in Tdoc N2-000684
N2-000670	CR	Removal of ellipsis and extensions from ResetTimerSMSArg	Ericsson	CAMEL 3				R99	3.5.0	29.078	Rejected
N2-000671	CR	Introduction of ellipsis for GPRS CAPv3	Nokia	CAMEL 3	136	1	F	R99	3.5.0	29.078	Agreed. Revised from Tdoc N2-000654

N2-000672	CR	Error handling in ATSI	Siemens	CAMEL 3	249	2	F	99	3.6.0	23.078	Agreed without presentation. Revised from Tdoc N2-000632.
N2-000673	CR	Improved description of the location information in SGSN	Siemens	CAMEL 3	248	2	F	99	3.6.0	23.078	Agreed without presentation. Revised from Tdoc N2-000643
N2-000674	CR	Correction of Apply Charging Report parameter definition	T-Mobil	CAMEL 3	128	2	F	R99	3.5.0	29.078	Revised from Tdoc N2-000651 Revised in Tdoc N2-000675
N2-000675	CR	Correction of Apply Charging Report parameter definition	T-Mobil	CAMEL 3	128	3	F	R99	3.5.0	29.078	Agreed. Revised from Tdoc N2-000674
N2-000676	Other	Introduction of the Merge Call Segment IF	Siemens	CAMEL 4					x.3.1	23.078	Rejected
N2-000677	CR	Introduction of the CS ID to the CTR IF	Nokia	CAMEL 4			B	00	x.3.1	23.078	Agreed. Revised from Tdoc N2-000572
N2-000678	CR	Introduction of the CS ID to the ETC IF	Nokia	CAMEL 4			B	00	x.3.1	23.078	Agreed. Revised from Tdoc N2-000573
N2-000679	CR	Introduction of the CSID to the Cancel IF	Nokia	CAMEL 4			B	00	x.3.1	23.078	Agreed. Revised from Tdoc N2-000575
N2-000680	CR	Introduction of the CSID to the PA IF	Nokia	CAMEL 4			B	00	x.3.1	23.078	Agreed. Revised from Tdoc N2-000576
N2-000681	CR	Introduction of the CSID to the P&CUI IF	Nokia	CAMEL 4			B	00	x.3.1	23.078	Agreed. Revised from Tdoc-

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N2-000682	CR	Introduction of Call Party Handling Modelling and Information Flows	Alcatel	CAMEL 4			B			23.078	Revised from Tdoc N2-000582 Revised in Tdoc N2-000686
N2-000683	CR	Correction on CF notification	Siemens	CAMEL 2	A159	5	F	97	6.7.0	03.78	Agreed without presentation. Revised from Tdoc N2-000668
N2-000684	CR	Correction on CF notification	Siemens	CAMEL 2	A160	5	A	98	7.4.0	03.78	Agreed without presentation. Revised from Tdoc N2-000669.
N2-000685	CR	Additional clarification for ATM	Siemens	CAMEL 3	250	2	F	99	3.6.0	23.078	For e-mail approval. Revised from Tdoc N2-000633.
N2-000686	CR	Introduction of Call Party Handling Modelling and Information Flows	Alcatel	CAMEL 4			B	5	X.3.0	23.078	Agreed without presentation. Revised from Tdoc N2-000682.