

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

Tdoc NP-000307

Source: N5
Title: TSG_CN WG 5 Meeting Report #2, [Stockholm](#)
Agenda item: 5.5.1
Document for: INFORMATION



**TSG CN WG5#2
Stockholm, Sweden
9th-11th of May 2000**

Chairman: Lucas Klostermann (Ericsson)

Secretary: Monica Hellman (3GPP support team)

Host: Ericsson

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/WG5_osa/TSGN5_02_Stockholm/Docs/

1 Opening of the meeting and approval of the agenda

The Convenor and also the host of the meeting Lucas Klostermann welcomed everyone to a sunny Stockholm and opened the meeting.

N5-000031, source Convenor: *Agenda*

The Convenor presented the proposed agenda.

Discussion: Matti Saarenpää suggested that more time should be spent on R99. It's not so many contributions on R00 and it will probably be more time two discuss R99 than it is proposed in the agenda.

Conclusion: Approved

2 Allocation of documents

N5-000032, source Convenor: *Agenda allocation*

Lucas Klostermann the convenor of the meeting had prepared a proposal of document allocations to the agenda. This was updated during the discussion.

Conclusion: Approved

3 Reporting

Lucas Klostermann reported from the e-mail discussion about the e-mail approval of the documents. At the last N5 meeting it was decided that the stage 3 specification should be sent out for e-mail approval. The procedure for e-mail approval was not agreed among the CN delegates. Therefore N5 has to continue the work with the stage 3 specification and it will be sent to the next CN plenary for approval. Since stage 2 of OSA is under change control, S2 will update their specification using CRs.

3.1 Meeting report N5#1

N5-000033, source MCC: *Meeting report N5#1, Berlin*

Monica Hellman presented the meeting report from the last meeting. It had been out for comment during one week. The draft report has been updated according to the comments.

Conclusion: Approved

3.2 Meeting report R00

N5-000034, source MCC: *Draft meeting report from R00 meeting*

Since the last N5 meeting CN and S2 have had a joint meeting regarding R00. A second meeting will be held in mid June. The report was presented for information.

Conclusion: Noted

4 Input liaison statements: allocation to agenda items as appropriate

N5-000036, source T2: *LS: Questions on “MExE support of VHE User Profiles”*

Discussion: The LS was moved to agenda item 11.

Conclusion:

N5-000058, source S1: *Modification to align S2 work to S1.*

The LS arrived late and will be discussed at the next meeting

Conclusion: Postponed

N5-000004, source CN: *LS on organisation of the work on VHE/OSA Release 2000*

The Liaison statement from CN to S2 about the worksplit between N5 and S2 was briefly discussed at the last meeting. It will be discuss again at the S2/N5 joint meeting.

Discussion: The LS was moved to agenda item 8.4.

Conclusion:

5 N5 Chairman election

N5-000047, source Ericsson & MCC: *Candidature Material for Lucas Klostermann*

Monica Hellman briefly explained the election procedures and the candidate. It was a unanimous decision to elect Lucas Klostermann from Ericsson as a Chairman for N5.

Conclusion: Noted

6 Release 99 issues

6.1 Mapping

N5-000042, source Lucent Technologies: *Parameter misalignments between OSA Stage 3 specification part 1 TR 29.198 and part 2 TR29.998*

Musa Unmehopa presented the document. It lists all the parameter misalignment that has been identified between stage 2 and stage 3, along with a proposed resolution.

Discussion:

Comments about the document were:

- 2.2 removing the eventCriteria parameter will be done.
- 3.6 How will the GPRS charging issues be handled? It is still defined as open issues and comments from S2 and S3 are needed. Postponed until the joint meeting. Christophe Gourraud pointed out a misalignment with stage 2 for the treatment parameter. Document N5-000015 from Siemens to the last meeting handle SMS and GPRS charging. Document N5-000037 is the continue story of the discussion from the last meeting.
- 4.3 removing the eventCriteria parameter will be done.
- 6.2 and 6.3 Matti Saarenpää commented that Nokia has a CR that proposes to remove the word CAMEL. Christophe Gourraud mentioned that it has not been any changes to CAMEL in Stage 2 yet. The issue is postponed until the CR is handled.

Conclusion: Partly approved and partly postponed

N5-000043, source Lucent Technologies, Nokia: *Paper on Parameter Mapping from CAMEL-to-API in TR29.998*

Musa Unmehopa presented the document that is join document from Nokia and Lucent. It is based on the document N5-000007 that was sent to the last meeting but it was no time to discuss it there. The contribution proposes changes in the parameter mapping and the appInfo is defined in more detail.

Discussion: The comments about the documents were:

- 2.1.2 The sentence in the brackets will be removed and a note will be added in the end of the table. It will also be added that it will be both for lower and upper addresses.
- 3.1.2 A new table will be included. Matti Saarenpää will come up with a proposal how the tables will look like.
- 4.1.1.2 P_CALL_REPORT_DISCONNECT
 - oDisconnect
 - tDisconnectApplies - a note will be included (when Monitoring mode = interrupt)
- P_CALL_REPORT_CALL_ENDED
 - oAbandon
 - tAbandon
 - Is not correct. It should be oDisconnect and tDisconnect. Monitor should just be for t. Not in interrupting mode. Abanden should be in TpCallErrorType in RouteCall toDestinationType.
- 4.1.2 -Will be discussed later on when document N5-000039 is treated.
- 4.2.2 Comment of the Presentation address in 4.2.2 will be the same as in 4.3.2.
- 4.3.2 PresentationAddress- a note will be included.

- 5.1.2 In ForwardAddress the comment <there is also P_CALL_REPOPT_ANSWER!> will be deleted. The ForwardAddress is an open issue and have to be studied further. In the CAMEL group the Forward address for terminated prepaid has been discussed. A sixth row should be included with the service code.

We will come back to section 11 later on.

The document contains just the mapping of call control. The same excise has to be done with the SCF. Nokia volunteered to do the same thing for user interaction and Ericsson for user location status.

The agreed part was included in the revised document.

Conclusion: partly agreed and partly postponed

6.2 Changes/Adaptations/Corrections

N5-000045, source Nokia: *Data Definition Changes to Network User Location SCF*

Matti Saarenpää presented the document that contains modifications to Network User Location SCF data definitions. Some extra data types to is removed because of modifications made earlier (location request type was dropped). Additionally a reference to 3G TS 29.002 is added for CGI and LAI and time stamp is explained in a new way. One spelling mistake is corrected.

Discussion: It was a discussion about misalignment with the Parlay and OSA. Definitions of separate namespace have already led to need of separate IDL-files/interfaces.

Two proposals:

- 1, We keep the IDLs as they are even though they are not used. Notes will be included with the information that why it's there and a reference to R00.
- 2, It will be removed as Nokia proposed. If we resolved the namespace this will be included again.

The second way was agreed.

Conclusion: Approved

N5-000046, source Nokia: *Data definition changes for userInteractionEventNotify*

Matti Saarenpää presented the document. enableUINotification and userInteractionEventNotify methods may be used to pass USSD information to an application. However the information itself can currently not be transmitted. 3G TS 23.127 defines the parameter eventInfo in userInteractionEventNotify broadly as "Specifies data associated with this event". Coding scheme and data string parameters are proposed to carry the information in userInteractionEventNotify.

Discussion: The definition of the data string should be more detailed. Matti Saarenpää will revise the document together with other interested parties.

Conclusion: Revised in N5-000054

N5-000054, source Nokia: *Data definition changes for userInteractionEventNotify*

Matti Saarenpää presented the Revised Version of document N5-000046. The scenarios and datatypes are changed since the last meeting.

Discussion: Some improvements were still needed but Matti Saarenpää wanted to have some comments about it before continue the work. Musa Unmehopa wanted to have a new datatype unspecified.

Conclusion: Noted

N5-000049, source Ericsson: *Corrections and improvements to the Call Control / User interaction SCS*

Discussion:

- In 2.3, the last sentence in the P_CALL_REPORT_CALL_ENDED will be moved to the state transaction diagram. A reference to the state transition diagram will be included.
- 2.6 N5 wanted information from S2 if it has impact on stage 2. This was handled in the joint meeting. Ard-Jan Moerdijk will produce a CR on this to stage 2 that will be sent to S2.

Conclusion: Revised in N2-000057

N5-000057, source Ericsson: *Corrections and improvements to the Call Control / User interaction SCS*

Revised document of N5-000049. Ard-Jan Moerdijk presented the changes in the revised document. TpUIVariablePartType was included. The state diagram was updated.

Discussion: Part of the state diagram is the same as it was presented at the last meeting. A discussion if the active to idle state should go via networks released or direct. The user interaction has to be clarified in the next meeting. Calling party abandon shall be fixed. Text about the scenarios has to be added. Assign call shall be checked. Unsuccessful call will be defined more explicit. The state transition diagram was agreed with the proposed modifications.

Conclusion: Agreed with modifications.

N5-000055, source Siemens: *The different Scenarios of Ended Calls and their Mapping to OSA.*

Bernhard Böhmer presented his idea about it and the document was updated according to the discussion.

Conclusion:

N5-000051, source Nokia: *Data definition changes to user inteaction SCF*

There is only one user interaction ID specified currently in 3G TS 29.198 for methods requesting user interaction. However several user interaction elements may be needed in methods sendInfoReq and sendInfoAndCollectReq to give e.g. several announcements. Moreover several variable parts are required to indicate e.g. date and time.

Discussion:

- TpUIInfo: Change of data to text as it is proposed was accepted. A limitation of 256 byte shall be added.
- IpUI: varable UI data is agreed. Multipel UI is for further study.
- CAMEL issues: Matti Saarenpää asked the delegates to study this further at home.

Conclusion: Partly agreed

6.3 'String Parameters'

N5-000017, source Siemens: *Proposal for further specification of String Parameters*

Bernhard Böhmer presented the document that was presented in the earlier meeting in Berlin but it was no time to discuss it at that meeting.

Discussion: The contribution tries to solve the prepaid and postpaid issues for both fixed and mobile networks. It was discussed during a long time but no conclusion was reached. It will be discussed via e-mail and it has to be solved at the next meeting.

The interested parties will participate in e-mail discussions and telephone conferences about this. Bernhard Böhmer will take care of the coordination.

Conclusion: Noted

6.4 Framework-SCS

N5-000039, source Alcatel: Framework including OSA internal interface

Conclusion: Superseded by N5-000056

N5-000056, source Alcatel: *Framework including OSA internal interface*

Chelo Abarca presented the contribution that proposed changes for the stage 3 to include the OSA internal interface. The corresponding changes for stage 2 is in Tdoc N5-000038.

Discussion: IDLs are not included and they will be produced for the next meeting.

Conclusion: Approved

6.5 Other

N5-000050, source Nokia: *Inclusion of location and status information to callEventNotifierEvent*

Matti Saarenpää presented the document. The contribution proposes a data type modification to get the location and status information in a more efficient way.

Discussion: Which applications need this information? The idea is that the API separates call control and mobility issues; this proposal mixes them - for efficiency reasons - and implies more complexity at the programming level: big messages that, upon receipt, require processing to separate information related to different concerns. Is OSA needed for emergency calls?

We invite contribution to the mapping on this. On the impact on stage 2 is limited so it could be dealt at the next meeting.

The reason why it's not accepted:

- Orthogonality (Separation between call control and mobility concerns) API maintainability (extra complexity of the separation)
- Privacy
- Possible future evolution of the network (e.g. not supporting CAMEL)

Conclusion: Rejected

7 N5 vice chairman election

N5-000048, source Alcatel: *Candidature Material for Chelo Abarca*

Monica Hellman presented the procedures for the election and the candidate. Chelo Abarca from Alcatel was elected.

Conclusion: Noted

8 Release 99 issues, joint N5/S2 meeting

8.1 Supervise Call

N5-000037, source Siemens: *Proposed CR to 23.127: Clarification and Modification of Semantics of superviseCallReq*

Bernhard Böhmer presented the document. In N5-000018 presented at the last meeting, some changes to the superviseCallRequest were proposed. The meeting supported these changes. A formal change request to the stage 2 specification is required. A draft CR is attached to this contribution, which includes the changes proposed by Siemens in N5-000018 plus some comments from Nokia in N5-000005.

Discussion: It is best to not merge call and data supervision state. It should not be forced into R99 and not to try to get intermediate solutions. After a long discussion it was agreed that we would try to draft a CR for stage 2. If it is not possible to finish it this week it will not be a part of R99. The joint meeting is just one day but the S2 delegates could participate tomorrow if it not collide with the discussion on intergroup coordination meeting. For Stage 3, it is another meeting before the plenary. The mapping contribution on this will be produced before the next meeting but not by Musa Unmehopa, who will be on vacation.

Remove 'bytes' in stage 2 and 3. Stage 3 part 1 Ericsson, Stage 3 part 2 Lucent, a CR has to be written to stage 2. Christophe Gourraud will take care of it.

Conclusion: Rejected

8.2 Framework

N5-000038, source Siemens: *OSA Internal Interface- stage 2 description*

Alexander Milinski presented the document. The contribution is a proposed enhancement of 23.127 to include the OSA internal interface to allow multi-vendor OSA implementations. The document is based on the contribution N5-000016 from Alcatel, presented at the Berlin meeting.

Discussion: Nokia had some concerns about this but they will come back with more a detailed proposal. It was agreed to implement this in the stage 2 and Alexander Milinski will produce the CR.

Conclusion: Agreed

8.3 Other

N5-000040, source TS 23.127 editor: *Proposed CR to TS 23.127 for editorial modifications*

Christophe Gourraud presented the document that includes various editorial modifications. The term OSA interface is changed to OSA API. Interface classes is changed to interfaces.

Discussion: Uimanager was not included in the diagram. It will be corrected.

The principle was agreed. The terminology in stage 3 has to be updated accordingly and Lucas will take care of it. There were some concerns if the modifications are editorial. Christophe Gourraud will check this. The document N5-000044 from Nokia contains some similar changes. Christophe Gourraud will update the CR and send it to S2.

Conclusion: Agreed with some minor corrections

N5-000041, source Ericsson: *Proposed CR to TS 23.127 for alignment with TS 29.198*

Christophe Gourraud presented the document that is a CR to align stage 2 and stage 3. He commented that the heartbeatmanagement and Oam have been in the specification before and are now reintroduced.

Discussion: The disableCallNotification, the parameter eventCriteria was proposed to be removed. The reason is that it's not a part of Parlay at the moment. The changes are based on the document N5-000024 and two other changes pointed out by Christophe Gourraud during the presentation. The treatment parameter is one of them.

Conclusion: Agreed

N5-000044, source Nokia: *Collection of proposed CRs to 3G TS 23.127*

Matti Saarenpää presented the 21 CR:s to stage 2. The first 5 are new ones. The contents in the other have been discussed in the Berlin.

File name	Subject
n5-s2-nokia-CR1a & n5-s2-nokia-CR1b	Renaming definitions with word "Camel" in Network User Location SCF <i>Conclusion: Added to 'alignment' CR</i>
n5-s2-nokia-CR2	Reference to OSA Access SCF instead of Authentication <i>Conclusion: Added to editorial CR</i>
n5-s2-nokia-CR3	Cell Global Identification <i>Conclusion: Added to editorial CR</i>
n5-s2-nokia-CR4	Error indications for periodicLocationReportStop and triggeredLocationReportStop <i>Conclusion: Added to editorial CR</i>
n5-s2-nokia-CR5	Description of the location information <i>Conclusion: Agreed</i>
n5-s2-nokia-CR6	Term CSE instead of SCP <i>Conclusion: Withdrawn</i>
n5-s2-nokia-CR7	Authentication error definitions <i>Conclusion: Withdrawn</i>
n5-s2-nokia-CR8	accessCheck method description improvements <i>Conclusion: Christophe Gourraud and Matti Saarenpää will check if another CR covers it.</i>
n5-s2-nokia-CR9	enableCallNotification method description improvements <i>Conclusion: Withdrawn</i>
n5-s2-nokia-CR10	callEventNotify method description improvements <i>Conclusion: Agreed</i>
n5-s2-nokia-CR11	routeCallToDestinationReq method description improvement <i>Discussion: The bracket (provided that originalDestinationAddress was not received in callEventNotify) will be taken away.</i> <i>remove analogous</i> <i>Alignment with the Cr from Christophe Gourraud. 'Basic call' in beginning should be there.</i>
n5-s2-nokia-CR12	routeCallTodestinationRes method description improvements <i>Conclusion: Agreed</i>
n5-s2-nokia-CR13	routeCallToDestinationErr method description improvements <i>Conclusion: Christophe Gourraud will add calling party abandon in his CR.</i>
n5-s2-nokia-CR14	getCallInfoReq method description improvements

	<i>Conclusion: Ok and already included in a CR</i>
n5-s2-nokia-CR15	getCallInfoRes method description improvements <i>Conclusion: Ok and already included in a CR</i>
n5-s2-nokia-CR16	superviseCallReq description refinement <i>Conclusion: Withdrawn</i>
n5-s2-nokia-CR17	superviseCallRes method description improvement <i>Discussion: To check if tariff switch has impact on stage 3.</i>
n5-s2-nokia-CR18	callFaultDetected method description improvement <i>Conclusion: Description will be changed. Richard Stretch and Matti Saarenpää take care of it.</i>
n5-s2-nokia-CR19	setCallChargePlan parameter name alignment <i>Conclusion: withdrawn due to already included in a CR.</i>
n5-s2-nokia-CR20	User Interaction Manager functions in sequence diagrams <i>Conclusion: In principle is agreed but it will be in another place. Matti Saarenpää and Christophe Gourraud take care of it</i>
n5-s2-nokia-CR21	Method error additions to Call Control SCF <i>Discussion: The word allowed will be taken away and the change will be incorporated in the general CR. Stage 3 has to be updated accordingly.</i> <i>Conclusion: Withdrawn</i>

The comments and agreements were included in the revised document.

Conclusion: Noted

N5-000004, source CN: *LS on organisation of the work on VHE/OSA Release 2000*

The document from CN is a proposal how to split the work between N5 and S2. It is proposed for release 2000 to merge the description of Framework and Network Service Capability Features from TS 23.127 into TS 29.198 and to create a single and generic stage 3 specification to standardize the Open Service Architecture API's. This would lead to a much more effective means for the specification work. Stage 2 should then focus its content on the architectural work to provide concepts to reflect the VHE requirements.

Discussion: Alexander Milinski will draft LS to S2 with the comments from the joint meeting.

Conclusion: Noted

N5-000059, source Siemens: *Proposed Liaison to S2: Follow-on LS on organisation of the work on VHE/OSA Release 2000*

Alexander Milinski presented the proposed LS to S2 about the organisation of the work for VHE/OSA R00. It confirms that N5 supports the proposal from CN.

Discussion: The document will be updated according to the discussion.

Conclusion: Revised

N5-000060, source N5: *Proposed Liaison to S2: Follow-on LS on organisation of the work on VHE/OSA Release 2000*

Revised Version of document N5-000059

Conclusion: Approved

9 Output Documents for Release 99

Output from this meeting will be:

- CR's to stage 2
- Alignment
- Result of the drafting sessions (included bytes, frameworks) 49,51/57
- Editorial/terminology/improvements
- Frameworks

10 Work items management

10.1 Work item structure

N5-000035, source MCC: *Feature, Building block, Work Task*

The document from ICG about Features, Building blocks, work task for R00 has been revised and was presented for information and discussion.

Discussion: Lucas Klostermann had inserted some comments and remarks in an updated document and the group revised the document once more. The proposed revised version will be sent to Christophe Gourraud, who is taking care of relevant parts of the document. It was decided the contact point for service platform in the N5 will be Luca Klostermann.

Conclusion: Revised

N5-000053, source S1 ad hoc: *Request for feedback on TR22.976 Study on Release 2000 service and capabilities*

Discussion: S1 has a VHE/OSA drafting session in the end of May. The N5 chairman asked the delegates to inform their companies about the meeting. N5 had the opinion that interested companies should be involved in the drafting meeting of S1.

S1-000357 is the first draft version of the WI sheet of VHE/OSA. The wording and the meaning of the VHE and OSA were discussed. S1 write the requirement to the VHE/OSA and it's the task of S2 to define what it is. At this time requirements are needed. In the answer to a LS from CN about the work split, a copied should also be sent to S1.

Conclusion: Noted

10.2 Work item status review

A WI sheet will be produced and four different companies have to support it. Ericsson, Nokia, Siemens and Alcatel do it. Lucas will draft a common WI sheet for OSA R00.

10.3 Terms of Reference

N5-000052, source Convenor: *Proposed terms of references*

Lucas presented the proposal.

Discussion: The document was updated in the way that the meeting proposed.

3GPP CN WG5 (N5) is responsible for the following core network feature specifications:

- Stage 3 for the interfaces specific to the UMTS Open Service Architecture Release 99.
Note that this is a continuation of the work performed by the CN OSA AdHoc group.
- Definition of the interface classes, methods and behaviour of those classes, and IDL specification for the interfaces specific to the UMTS Open Service Architecture Release 2000
- Functional mapping of OSA interfaces to UMTS network protocols

It was a discussion if the R99 should be in the ToR. But N5 hasn't finalised the R99 yet. It has to be clarified if it should be in or out. Lucas will send it out for e-mail approval this week and the deadline will be in two weeks time.

Conclusion: e-mail approval

11 Release 2000

12 Any Other Business

Richard Streach informed N5 what happens in SPAN 3. They try to highlight what are the difference between the ETSI standard and the OSA specification. The OSA and the parlay will both be a part of the ETSI standard. The ETSI specification will be finalised in October.

It is identified that ETSI and 3GPP have largely common scope in R00. It was proposed to have a joint ETSI and 3GPP specification where the scopes overlap. Most meetings ought to be jointly with SPAN3 for moer efficient work. Some meetings still have to be toghether with other groups in 3GPP.

12.1 Next meeting:

The next meeting will take place in Cardiff, UK on the 13-14 of June. Lucent will host the meeting. It is a joint CN/S2 meeting in Sophia Antipolis the 14-15 of June. The CN chairman would have some representation from N5 at least one day, at that meeting.

It was a proposal to have a meeting in Seattle together with other 3GPP groups in August.

12.2 Closing

The Chairman thanked the people participating in the meeting and closed the meeting.

Appendix A, Participants list

DELEGATE	N5	N5/S2	COMPANY	EMAIL
Chelo Abarca	X	X	Alcatel	Chelo.Abarca@ms.alcatel.fr
Bernhard Böhmer	X	X	Siemens AG	bernhard.boehmer@bln1.siemens.de
Christophe Gourraud	X	X	Ericsson	christophe.gourraud@lmc.ericsson.se
Monica Hellman	X	X	ETSI	monica.hellman@etsi.fr
Jane D Humphrey	X	X	MARCONI COMMUNICATIONS	jane.humphrey@marconicomms.com
Georg Kastelewicz	X	X	Siemens AG	georg.kastelewicz@bln1.siemens.de
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Richard Stretch	X	X	BT	richard.stretch@bt.com
Musa Unmehopa	X	X	Lucent Technologies	unmehopa@lucent.com
Louis Verhaard	X	X	High Definition Systems AB	louis@hds.se
Mick Wilson		X	Fujitsu Europe Telecom R&D Centre	m.wilson@fujitsu.co.uk

Appendix B, Output documents

TDoc #	Source	Title
N5-000060	N5	proposed LS to S2

Appendix C, Tdoc list

TDoc #	Title	Source	Conclusion
N5-000004	LS on organisation of the work on VHE/OSA Release 2000	CN	Noted
N5-000017	Proposal for further specification of String Parameters	Siemens	Noted
N5-000031	Agenda	Convenor	Approved
N5-000032	Agenda allocation	Convenor	Approved
N5-000033	Meetingreport N5#1, Berlin	MCC	Approved
N5-000034	Draft meetingreport from R00 meeting	MCC	Noted
N5-000035	Feature, Building block, Work Task	MCC	Noted
N5-000036	LS: Questions on "MExE support of VHE User Profiles"	T2	Noted
N5-000037	Proposed CR to 23.127: Clarification and Modification of Semantics of superviseCallReq	Siemens	Rejected
N5-000038	OSA Internal Interface- stage 2 description	Siemens	Agreed
N5-000039	Framework including OSA internal interface	Alcatel	Superseded by N5-000056
N5-000040	Proposed CR to TS 23.127 for editorial modifications	TS 23.127 editor	Agreed with minor corrections
N5-000041	Proposed CR to TS 23.127 for alignment with TS 29.198	Ericsson	Agreed
N5-000042	Parameter misalignments between OSA Stage 3 specification part 1 TR 29.198 and part 2 TR29.998	Lucent Technologies	Partly approved and partly postponed
N5-000043	Paper on Parameter Mapping from CAMEL-to-API in TR29.998	Lucent Technologies, Nokia	partly agreed and partly postponed
N5-000044	Collection of proposed CRs to 3G TS 23.127	Nokia	Noted
N5-000045	Data Definition Changes to Network User Location SCF	Nokia	Approved
N5-000046	Data definition changes for userInteractionEventNotify	Nokia	Revised in N5-000054
N5-000047	Candidature Material for Lucas Klostermann	Ericsson	Noted
N5-000048	Candidature Material for Chelo Abarca	Alcatel	Noted
N5-000049	Corrections and improvements to the Call Control / User interaction SCS	Ericsson	Revised to N2-000057
N5-000050	Inclusion of location and status information to callEventNotifierEvent	Nokia	Rejected
N5-000051	Data definition changes to user inteaction SCF	Nokia	Partly agreed
N5-000052	Proposed terms of references	Convenor	e-mail approval
N5-000053	Request for feedback on TR22.976 Study on Release 2000 service and capabilities	S1 ad hoc	Noted

N5-000054	Data definition changes for userInteractionEventNotify	Nokia	Noted
N5-000055	The different Scenarios of Ended Calls and their Mapping to OSA.	Siemens	
N5-000056	Framework including OSA internal interface	Alcatel	Approved
N5-000057	Corrections and improvements to the Call Control / User interaction SCS	Ericsson	Agreed with modifications.
N5-000058	Modification to align S2 work to S1.	S1	Postponed
N5-000059	proposed LS to S2	Siemens	Revised
N5-000060	proposed LS to S2	N5	Revised