

**3GPP TSG CN Plenary Meeting #12**  
**Stockholm, Sweden, 13<sup>th</sup> - 15<sup>th</sup> June 2001**

**Tdoc NP-010323**

**Source:** CN 5 Chairman  
**Title:** Draft Report of CN5#11 meeting  
**Agenda item:** 6.5.1  
**Document for:** INFORMATION

---

3GPP TSG\_CN WG 5/Parlay/ETSI SPAN12  
WG 5 Meeting #11, San Diego, USA  
21<sup>st</sup> -24<sup>th</sup> May 2001

**N5- 010258**

**Source:** CN 5 Chairman  
[lucas.klostermann@eln.ericsson.se](mailto:lucas.klostermann@eln.ericsson.se)  
**Title:** Meeting report  
**Agenda item:**  
**Document for:** Approval

---

Agenda item	Agenda item title	Tdoc 3GPP N5-00	Title	Source	Result	
1	Opening and approval agenda	251	Proposed agenda	N5 chairman		
2	Allocation of documents	252	Document allocation	N5 chairman		
3	Reporting					
3.1	CN5	233	Report Antwerp	N5 chairman		

3.3	JointAPI AdHoc CC	244	Report Antwerp AdHoc	SPAN12 chairman	Not discussed, used first part of 291 instead, more recent	
3.4	SA2				Three requirements added for 3GPP R5: Presence, User Profile, Policy Management No formal report yet available	
4	Liaison Statements					
		247	LS from SA1 to CN5 on „Request For Clarification on Account Transaction History“ (S1-010525)	S1	We will check whether already included in R4. If new requirements, it will be part of R5 or CR. Lucas will inform Musa.	
		248	Draft LS from SA1 on basic and advanced services examples (S1-010271)	S1	noted	
		249	LS from SA2 on IMS Service Provision (S2-010798r2)	S2	noted	
		250	LS from CN1 in response to SA2 liaison regarding conformance test requirements for application layer test (N1-010418)	CN1	noted	
5	API interfaces OSA version 1					
5.1	status 12070					
		29198_Marc_2001		ETSI-PTCC	noted	
5.2	Overview					
5.3	Common Data				Discuss first in respective sessions on e.g. CC	
		272	Common Call Control Data Types	ETSI PTCC	CallEnded, CallInfo, CallTreatment will be moved, in line with 411 Update in 275	
		316	CR to 29198-02 Missing Exception Data Type Definitions	Lucent	Accepted, but will not be in common data, but in accountMgt/Charging document	

		<b>317</b>	Moving TpTimeInterval from Framework to Common Data	Lucent	agreed	
		<b>318</b>	CR to 29198-03 Remove TpTimeInterval from Framework Data Types	Lucent	agreed	
		<b>319</b>	CR to 29198-02 Introducing TpTimeInterval to Common Data Types	Lucent	agreed	
		<b>315</b>	Proposal for P_INVALID_SESSION_ID exception	Lucent	Agreed Also to be used in UI_Invalid_Session, GMS_InvalidSessionID	
		<b>401</b>	N5-010401-CR-Exceptions-Common-Data	Ericsson	Updated to 458	
		<b>425</b>	exceptions	SUN	<p>guidelines on exceptions. Method_not_supported to be moved to common exceptions</p> <p>Exception on GCC will need a separate contribution in July.</p> <p>On not using out-parameter, but return: Agreement to make the changes to the interfaces, unless the original reason for choosing the out parameter is still valid, if all underlying targeted middleware or languages supports the proposed mechanism. Needs to be agreed with TAC as well.</p>	
5.4	Framework					
		<b>309</b>	Framework IDL updates	Ericsson	Agreed (has to be removed from model in order not to appear in idl-file)	
		<b>332</b>	FW - Summary of framework exceptions	Lucent	Agreed String-field of exceptions is assumed to be part of the underlying exception class. To be mentioned in Generic Exceptions text in part 2.	
		<b>335</b>	FW - Remove the accessCheck() method	Lucent	Agreed. Reason 'leftover' from past. CR to R4	

		344	Unique ClientAppIDs	Incommit	withdrawn	
		410	CR to 29198-03 Correction in announceServiceAvailability	Ericsson	agreed	
		412	Correction in TpServiceSubscriptionProperties	Ericsson	agreed	
		334	FW - Addition of an unannounceService method()	Lucent	Agreed. CR to R4	
		367	FW - Introduction of service available/unavailable events	Lucent	<p>Agreed with additional change: Change 'FW_NEW_service_available' to FW_Service_Available</p> <p>Intention is that first discovery, whatever happens afterwards, notifications only for changes. Intention of proposal is not to send the FULL list to the application if anything changes. Clarifying text will be included, also explain that the list in many cases will contain one service.</p> <p>Revision provided as 395</p>	
		368	FW - Rework TpServicePropertyMode	Lucent	<p>Readonly mode of a property meaning needs clarification: a Service Level Agreement, profiling contracts towards applications, can not alter such a property</p> <p>Agreed for the rest.</p> <p>Revision provided 450</p>	
		371	FW - Rename and change parameters for getServiceManager()	Lucent	<p>Need both application-level and domain-level SLA ? Clarification should be provided on how/when the DomainID other than ApplicationID can be used.</p> <p>Second discussion: Clarified that DomainID is still used between Application and FW. Proposal agreed</p> <p>agreed to change getServiceManager into createServiceManager</p> <p>Whole contribution agreed</p>	

		<b>374</b>	FW - Split TpService, TpServiceContract and TpServiceProfile	Lucent	Agreed First correction within present 3GPP scope, so CR	
		<b>375</b>	FW - Change "out" parameter to "in" parameter	Lucent	Agreed, error correction no CR	
		<b>376</b>	FW - Some editorial updates need to be made	Lucent	In principle agreed that info is missing still from the ETSI specification, and needs to be included. All changes are not applicable for 3GPP.  Item 1 withdrawn Item 6 needs contribution  Other items can be implemented, including the Call Control multiplicity item.	
		<b>380</b>	FW - Some of the parameter validation should be made explicit	Lucent	Agreed  Explicit exceptions, might be changed later still due to naming conventions decisions, but agreed to have these explicit exceptions.	
		<b>381</b>	FW - Removal of redundant password field in TpClientAppDescription	Lucent	Agreed, correction  Within 3GPP scope, so CR	
		<b>382</b>	FW - Remove service name and service spec string from service ID	Lucent	Agreed to simplify to serviceID parameter, but to keep it in line with e.g. AppClientID, and to have less impact on the spec, keep it as a string.  Revision in 452 (also CR)	

		383	FW - Provide an indication of successful authentication	Lucent	<p><b>Authentication:</b></p> <ul style="list-style-type: none"> <li>-keep as it is</li> <li>-framework authentication after successful application authentication</li> <li>-split authentication in challenge response</li> </ul> <p>No decision, deferred....</p> <p><b>Second discussion:</b></p> <p><b>Rules/Reasoning:</b></p> <p>1)Application should not be informed of authentication failure</p> <p>2)It should be possible for an application/framework to challenge the other party first, when receiving a challenge</p> <p>This is possible at present, but it should be highlighted in Sequence Diagrams. Framework always start</p> <p>Present solution limits to single challenge/response per party. With an acknowledgement this is cured. Agreed to have this.</p> <p>Proposal agreed.</p> <p>Sequence Diagrams will be provided as contribution to next meeting.</p>	
		387	FW - Clarification of service instance configuration	Lucent	<p>Description more explicit, service discovery, including properties, according to SLA, not only service registration.</p> <p>First addition: keep to last sentence, plus ‘, based on the Service Level Agreement’</p> <p>Second part, also keep last sentence only, as it it OK.</p> <p>Last change, make it distinction between first and subsequent discoveries</p> <p>Update [REDACTED]</p>	

		<b>389</b>	FW - If the access is being terminated because the client is no longer trusted, end the service agreements	Lucent	Description will be slightly changed, not 'framework believes...' Revision 453	
		<b>390</b>	FW - Clarify that service factory does not exist just because of CORBA	Lucent	Agreed	
		<b>391</b>	FW - Clarification of how queryLoadReq can apply for both services and framework	Lucent	Agreed, but explicitly state that the parameter 'null' means empty list. To be checked also whether applicable in other interfaces Revision 454	
5.5	GCC/MPCC	273			agreed	
		<b>286</b>	N5-010286_contr1CreateCallLeg	Alcatel	agreed	
		<b>287</b>	N5-010287_contr2RouteReq	Alcatel	agreed	
		<b>288</b>	N5-010288_contr3CallBack	Alcatel	Convention in 289 applicable. (plus typo mutiparty..) Revision 297	
		<b>289</b>	N5-010289_contr4CallRefLeg	Alcatel	Rather than adding a new parameter, replace CallReference with the proposed referenceSet, with additional convention that first leg in the referenceSet is the originating leg. Also, referenceSte contains ALL legs. From the notificationInfo contains the info which leg (Originating/Terminating) was being triggered on. Events will be removed in description, indication of when one leg and when two legs is elsewhere Revision 298	

		290	N5-010290_contr6eventMonitoring	Alcatel	<p>Agreed to change on the ReportResult, towards application, but use LegID rather than, see discussion on 291, need coverage for more legs.</p> <p>Additions on ReportRequest proposal not accepted. No need to explicitly ask for eventReportRequest on leg, rather arm such kind of request on the appropriate legs.</p> <p>Revision 403</p>	
--	--	-----	---------------------------------	---------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--



		291	N5-010291_contr5STDCallLeg	Alcatel	<p>Discussion on behaviour, questions to be answered:</p> <p>1) Is answer notification on incoming leg necessary, in order for the application to know when to do SetMedia?  SetMedia can be invoked before answer, to request immediate attachment once call established  So, not dependent on receiving answer event first  In that case, setMedia would be a request, and should be renamed? No, can also be set multiple times, setMedia-setMedia.</p> <p>2) Is answer notification desirable as an option on the incoming leg?  Receiving 'answer notification' in incoming leg, advantageous, also in SIP as optional.  Simplicity for application: application can create incoming-leg, and request answer notification on that leg, rather than creating outgoing leg and request notification on that leg.  But, this means two methods for same activity.</p> <p>3) Answer notification on incoming leg in case of multiple legs, does it create problems?  In case the incoming leg subscribes to answer event, the incoming leg would receive all answer notifications from other legs.</p> <p>Meaning of Answer event:  Answer signalling event has been received:  Outgoing leg answer:  Called party (this leg) has answered call  Incoming leg answer:  Event has been forwarded to incoming leg  Agreed to have one Answer-event, with a legID parameter. No legID parameter applicable for outgoing leg.</p> <p>Once originating leg has removed, no more additional parties can join.</p> <hr/> <p>Agreed the following behaviour on disconnect/release</p>	
--	--	-----	----------------------------	---------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--

		<b>292</b>	N5-010292_contr7ActionTable	Alcatel	Noted, and taken into account in discussion on call leg STD and behaviour (all blue contributions)	
		<b>301</b>	Definition of the GCCS property values for TS 29.198	Ericsson	agreed	
		<b>302</b>	Definition of the MPCCS property values for TS 29.198	Ericsson Nokia	agreed	
		<b>303</b>	Improved charging support	Ericsson	Agreed, but with simpler datastructure: -TpCallChargePlan containing OctetString and Integer referring to predefined charge plan, CallChargeOrder parameter indicating transparent/predefined Agreed to also do this for the DataSession interface Update 416	
		<b>304</b>	CR to 29198-02 Introduction of TpOctet	Ericsson	Agreed	
		<b>305</b>	Correction of enableCallNotification and reportNotification	Ericsson	Clarification on multiparty-CC should be reportNotification  Needs to be clarified further still to cover application initiated calls as well: ...first step application has to do to get initial notification of calls happening in the network. ... If call setup by application, it does not get the Call/CallLeg reference via the eventNotify  Update in 415	
		<b>306</b>	Correction of the GCCS Call STD	Ericsson	4.1.1.9 'idle' change to no-parties-in-call setAdviceOfCharge; treat the same as SetChargePlan as well Agreed with these changes. To be implemented by editor.	
		<b>308</b>	Tables with allowed methods for the STDs	Ericsson	Noted, and taken into account in discussion on call leg STD and behaviour (all blue contributions) Agreed to use tables as way to represent state behaviour, see discussion on 359	

		331	CC - Summary of call control exceptions	Lucent	<p>Agreed</p> <p>Need to add string field explicitly, since Corba-exception does not cover this. See Framework exceptions contribution.</p> <p>Guidance to implementor (is free-format data still) is to include parameter, if parameter-caused exception.</p> <p>P_METHOD_NOT_SUPPORTED should be added, and will be used in case of Service Level Agreement enforcement</p> <p>P_INVALID_STATE will be added to Common exceptions</p> <p>P_TASK_REFUSED is a general exception</p> <p>Update 464</p>	
		341	N5-010341_BT_TpCallReportType	BT	<p>The call party has disconnected. This does not imply that the call is ended. When the call is ended, the callEnded method will be called. This event cannot occur when the application explicitly releases the callLeg or call.</p> <p>Should be updated in GCC and MPCC.</p> <p>Note: P_CALL_REPORT_PROGRESS has been removed in MPCC</p> <hr/> <p>Queue: More than once...can occur in SIP</p> <p>If it reported once, does the application have to rearm? Disarming rule table below TpCallEventType description needs to be updated. Decided to keep the event armed.</p> <p>-----</p> <p>Update 466</p>	

		<b>342</b>	N5-010342_BT_TpAddress	BT	For E.164; Wildcard of fixed length (?) are allowed at end or beginning of address. Wildcard of indefinite length (*) are allowed at the end of the string.  Agreed;  Update 467	
		<b>343</b>	Proposed addition of error P_INVALID_SESSION_ID; P_UNSUPPORTED_ADDRESS_PLAN; and proposed Changes to TpCallReleaseCause	BT	Invalid session ID already covered in 351 (accepted)  P_UNSUPPORTED_ADDRESS_PLAN agreed. Applicable in all places where InvalidAddress is a possible exception.  Point 4) Agreed, but values from Q.850 needs to be taken (not correct now). REPORT_SERVICE_CODE can be covered via the ReleaseUnspecified cause. Joergen will work with Nick on the correct numbers  In Sequence diagram; text under 2; enableNotification missing Under 7, description should indicate 'appropriate releaseCause' Agreed with these changes. Applicable for GCC.  Update 468	
		<b>354</b>	Treatment of Additional Callback Interfaces	Siemens Ericsson	agreed	
		<b>355</b>	CR to 29198 R99 IDL Correction of TpCallEventCriteria	Siemens	Agreed Error correction	
		<b>358</b>	Clarification of Chapter 4	Telcordia	Agreed  As part of one CR towards 3GPP.	

		<b>359</b>	Clarification of IpCallControlManager STD	Telcordia	<p>Agreed to capture in the STD diagrams only the methods leading to state changes</p> <p>Agreed to capture supported methods in which states is captured in tables close to the STD, as proposed in 308. In case states of other classes are to be considered, an additional column will be created.</p> <p>Not agreed to add the text 'methods are invoked...'</p> <p>Renaming of callNotification.... Agreed to change the name, capturing 'interrupted, resume' and 'network resource unavailable'</p> <p>Correction on STD (coming to the inService state) Correction as well to that destroyNotification is only possible in the inService-state</p> <p>GetState method not accepted at this point</p> <p>Update will be provided by John-Luc, and discussed with Ard-Jan, and provided to the meeting</p> <p>Updated in 437</p>	
		<b>437</b>			<p>Discussion on update:</p> <p>Q1 captured in exception discussion Q2 not applicable Q3 names should be changed into     managerInterrupted     managerResumed</p> <p>State names: Active and Interrupted</p>	
		<b>360</b>	Clarification of IpMultiPartyCall STD	Telcordia	<p>GetCallLegs; does not depend on call manager state</p> <p>Faulty state is a transient state only.</p> <p>Incoming call change to the method itself</p> <p>CallFaultDetected description; no reports...removed</p> <p>John-Luc will provide the updates to the contribution, including the table of 308.</p> <p>Updated as 438</p>	

		438			<p>Discussion on 438:</p> <p>To be updated: reflect state name changes in CallManager</p> <p>Note: The SDT contains 'faulty' state. This might be brought in line with decisions on the CallLeg STD still.</p> <p>Text in 7.3.5.2 is correct, table entry should be changed, stating all states EXCEPT alerting, connecting. In fact, table should be updated still, taking into account CallLeg STD</p>	
		361	Scenario's supporting Telcordia Call Leg STD	Telcordia	Noted, and taken into account in discussion on call leg STD and behaviour (all blue contributions)	
		362	Clarification of IpMultiPartyCall STD	Telcordia	Noted, and taken into account in discussion on call leg STD and behaviour (all blue contributions)	
		363	CC - Clarify behaviour when no callback interface is provided	Lucent	<p>Problem is possible race condition, call back not arrived yet when RouteReq comes in.</p> <p><b>Solution:</b> RouteReq is buffered in Gateway, In case a CallBack reference is not available after some time still (existing timer), it asynchronously returns a callAborted</p> <p><b>Alternative:</b> Application gets an exception that no callback is there, and does request again.</p> <p><b>Alternative:</b> Force callBack with setCallBack</p> <p>No conclusion yet</p> <p><b>Rediscussed:</b></p> <p>Agreed to use proposed alternative, throw an exception in case there is no callback. Buffering can still be done in addition, but is an Gateway implementation solution.</p> <p>Agreed to include some clarifying text in the description of the exception itself, to indicate that the reason for the exception might be a timing issue.</p>	

		364	CC - Clarify behaviour on timer expiry	Lucent	Not accepted, on timeout the AppCall should be contacted, not the CCM  Introduce a reason on the CallEnded on AppCall instead, to capture this scenario well. Update description.  Update 461	
		366	CC - Clarify inconsistency of call behaviour	Lucent	Allready addressed in 306	
		388	CC - Do not return a call/call leg object for NOTIFY mode	Lucent	Agreed. Text should be added to the CallRef parameter and AppCallRef	
		392	CC - Remove getMoreDialledDigits	Lucent	Discussed as part of drafting session. Decided to keep getMoreDialed digits.  It was realized that an additional address plan for private address plans might be needed. Contribution invited.	
		393	CC - Force the application to provide an IpAppCallControlManager	Lucent	Not agreed in this form. Rather than be restrictive, state in createCall method that application needs to provide callBack in order to be able to  462 will contain the update	
		394	CC - Summary of the high-level differences between the call leg models plus a proposal	Lucent	Noted, and taken into account in discussion on call leg STD and behaviour (all blue contributions)	
		411	IDL updates	Ericsson	Agreed	
		413	Scenarios to accompany the Call Leg STD	Ericsson	Noted, and taken into account in discussion on call leg STD and behaviour (all blue contributions)	

		429	Call load control modifications	Nokia	<p>Not agreed to remove methods. Instead, add in the service properties that notifications are not supported in CAMEL environment.</p> <p>New revision of 302 will be provided in 417</p> <p>Mapping part agreed, for inclusion in 29.998</p> <p>Clarification needed still; is it only applicable for createCall, or also callNotifications. Contribution invited.</p> <p>432 is CR for the Mapping document</p>	
		435	Support for reportEventReq method in Call	Telcordia	Noted, and taken into account in discussion on call leg STD and behaviour (all blue contributions)	
5.6	User Interaction					
		414	User Interaction Exceptions	Ericsson	agreed	
5.7	Mobility					
		357	Exceptions in OSA Mobility Management Service	SUN	<p>Update expected on exceptions</p> <p>Change of method names not agreed</p>	
		400	Proposal for Set Length Exceeded Exception	Lucent	<p>Exception agreed</p> <p>Way to capture in specification to be clarified still.</p>	
5.8	Data Session Control					



		314	Exception handling in Data Session Control on a per method basis	Lucent	DSCS_Unexpected sequence-task refused DSCS_Invalid state –task refused DSCS_Invalid criteria Drop from DSCS-specific....Agreed  InvalidSessionID to be incorporated for appropriate case  Update: 423	
		323	Initial Proposal for Service Properties for Data Session Control	Lucent	Parameters agreed, but further work on how to introduce service properties in XML format for the next release  Agreed to keep with DSC interface, not to Framework, since not common for all interfaces (but some overlap with call control)	
		324	QoS Parameters for Data Session Control	Lucent	agreed	
5.9	Terminal Capabilities					
5.10	Content based charging					
		253	Report charging/account mgt		Agreed to propose to CN plenary to bring Charging and Account anagement Parts under CR control	
		322	Initial proposal for Service properties Account Mgt	Lucent	Parameters agreed, but further work on how to introduce service properties in XML format for the next release	
		329	Semantics setCallBack(withSessionID)		Agreed to option 2, not use setCallBack for interfaces using sessionID's  To be captured in IpInterface section  Update will be provided in 422, with concrete proposal.	
		315			Agreed, see common data	
		457			Update of 312  Agreed	

		458	Charging exceptions		Agreed not to include in TpResultInfo Exceptions will be covered via exception classes instead	
	charging					
		420	Alternative Proposal for Charging State Transition Diagram"(DES/SPAN-120070 Par 12 Charging)	Lucent	Q: Should directDebit/Credit be allowed in any state? Yes. (Add respective transitions to AnyState). Agreed. Revised version 421 provided by Musa by May 23th.	
		351	29.198-12 Rel4 v1.0.1: Enhancements to individual descriptions in Charging SCF	Nokia	Result type for rateReq should be TpDuration. New document 431 proposes will propose this (Matti). Make explicit that TpDuration counts milliseconds rather than seconds.  The comment to reserveAmountReq() was withdrawn and does not go into the final spec (do not mention any specific methods).  ReserveUnitReq(): Remove the reference to specific methods. Despite of this, comment was accepted.  Anything else was agreed.	
		352	29.198-12 Rel4 v1.0.1: Removing runtime parameter values of Charging SCF	Nokia	Agreed.	
		353	29.198-12 Rel4 v1.0.1: Order of Charging SCF interface descriptions	Nokia	Agreed.	
		426	29.198-12 Rel4 v1.0.1: Charged amount to Err methods of Charging SCF	Nokia	Refined. New doc 402 (Koen): Error means nothing has been charged. Success means total amount has been charged. No partial charge will happen.	
		427	29.198-12 Rel4 v1.0.1: Credited amount to Err methods of Charging SCF	Nokia	See 426.	
		428	29.198-12 Rel4 v1.0.1: Consecutive reservations for Charging	Nokia	Make it explicit that unit reservations are added rather than concatenated. Matti provides a revised version as document 430 by May 23th.	
		310	N5-010310-Improvements-Charging-API.	Ericsson	Agreed. Add. Comment from Matti: Eventually remove PARAM_RESULT from TpChargingParameter. Resp: Karsten by 23th.	
		311	N5-010311-State-Transistion-Diagram-Charging	Ericsson	Withdrawn	

		312	N5-010312-Charging-Exceptions	Ericsson	Agreed. INVALID_SESSION_ID Exception should maybe moved to some central document (Common Datatypes).	
		401	N5-010401-CR-Exceptions-Common-Data	Ericsson	Agreed within Charging group. Submit to Parlay/OSA/ETSI plenary.	
		315	Proposal for P_INVALID_SESSION_ID exception	Lucent	See 401. Currently there is a similar exception in charging and in user interaction (?) -> notify Ultan.	
		329	setCallback and setcallBackWithSessionID for the IpChargingSession SCF	Lucent	Hand it over to the plenary for a general solution (e.g. call control is also affected).	
		330	Proposal for More Flexible Mechanism for Request Numbers	Lucent	Do not put it into Parlay 3.0/OSA Rel 4/ETSI SPAN 1.0. Further investigate the requirements of parallel outstanding charge requests.  Anyway, in the create method's out parameter, change the name of the first sequence number to RequestNumberFirstRequest.	
		396	Proposal for sessionAborted method in IpAppChargingManager	Lucent	Agreed. Align with other APIs (e.g. call control).	
		397	Proposal to add sessionEnded to IpAppChargingSession	Lucent	See 396.	
		398	Introduce Independent Timer Management for both Sessions and Reservations	Lucent	Reservation lifetime was identified as an issue. Koen prepares a new proposal for lifetime handling as doc. 456.	
		321	Introduction of a Timestamp parameter to the credit and debit operations of the Charging Interface	Lucent	Agreed in principle. Timestamp is useful. New document 441 to be prepared for incorporating the timestamp into applicationdescription (Karsten).	
		325	Introduction of Tax parameters.	Lucent	Agreed – there should be a way to indicate taxes. Taxes are only informational and are not processed by the Charging SCF. Taxes shall be part of the application description and will be covered by doc. 441.	
		440	Rate using units	Siemens	Withdrawn.	
		421	Revision of 420	Lucent	Agreed.	
		431	Revision of 351	Nokia	Agreed.	
		402	Revision of 426 and 427	Nokia	Agreed.	
		430	Revision of 428	Nokia	Agreed.	

		456	Refinement of 398 (Reservation and Session Lifecycle)	Ericsson/Siemens	Agreed.	
		441	Refinement of 321 and 325 (Timestamps and Tax params)	Siemens/Lucent	Partly agreed: The refinement of application description will be introduced. The TpApplInformation type will initially have only a single choice: timestamp.  The type TpTaxSpec will be dropped.  The introduction of tax parameters needs more discussion about semantics and business background. It will be raised again for Parlay 4.0/OSA Rel 5/ETSI 2.0	
		313	Exception handling in Account Management on a per method basis	Lucent	Agreed except the Application side exceptions. The application side exceptions are incorporated into spec depending on the plenary decision about app side exceptions.  Koen is about to prepare a CR that suggests to move the INVALID_AMOUNT and INVALID_CURRENCY exceptions to Common Datatypes (doc #457).  Koen about to propose introduction of INVALID_CURRENCY into the Charging SCF (doc #458, which will replace 312)	
		320	Removal of appAccountManager out parameter from IpAccountManager.reportNotification	Lucent	Agree.	
		322	Initial Proposal for Service Properties for Account Management	Lucent	The Charging group agrees with the proposed service properties. The document will however be presented to the plenary for synchronizing with Call Control/User interaction which may be affected by the proposed changes.  The issue will be raised in the plenary if service properties for the charging SCF shall be still included in Parlay 3.0/OSA Rel. 4/ETSI 1.0	
		326	Use of App callbacks in Account Management	Lucent	Alternative 2 has been chosen.	
		327	AssignmentID in IpAccountManager.getNotification	Lucent	Agreed.	
		328	statusCode parameter in retrieveTransactionHistoryRes/Err	Lucent	Agreed.	

		399	Allow Multiple Event Criteria IpAccountManagement.createNoti fication	Lucent	Agreed.	
5.12	Other Interfaces					
		270	IDL for Generic Messaging, corrections to GMS	ETSI PTCC	agreed	
		271	IDL for Connectivity Manager, corrections to CM	ETSI PTCC	agreed	
6	OSA version 1 mapping					
6.1	status of 12075					
		29999 March 2001		ETSI PTCC	noted	
6.2	Contributions	307	Mapping for Multi-party Call Control	Ericsson		
		429	Call load control modifications	Nokia	Mapping component, plus method removal, see CC as well	
7	Preparation Releases					
		259	Idl-name space 'org.csapi'	CN5 chairman	agreed	
7.1	3GPP R4				Agreed to propose Call Control to go under CR control Agreed to propose GUI-SMS mapping to go under CR control	
7.2	Parlay 3.0					
7.3	ETSI version 1					
8	OSA version 2					
8.1	Call Control					
		296	Charging_issues on charging related issues	Alcatel		

		293	SetChargePlan on corrections to the SetChargePlan() method	Alcatel		
		294	SetCharging_related on charging related corrections	Alcatel		
8.2	Framework					
		333	FW - Addition of a listInterfaces() method	Lucent		
		345	XML-definition of Service Properties	Incommit		
		369	FW - Remove the createEntOpAccount() method	Lucent		
		370	FW - Introduction of TpSubjectType	Lucent		
		372	FW - Addition of listClientAppMembership method()	Lucent		
		373	FW - Addition of listServiceContracts() method	Lucent		
		377	FW - Addition of listServiceProfiles() method	Lucent		
		378	FW - service_profile_info_query	Lucent		
		379	FW - Introduction of an IpSvcTypeManagement interface	Lucent		
		384	FW - Contribution on service instance lifecycle management	Lucent		
		385	FW - Description of service subscription and the role of SAGs and service Profiles FW - Description of service subscription and the role of SAGs and service Profiles	Lucent		
		386	FW - Rework the heartbeat mechanism	Lucent		
8.3	Charging					
		295	rateRes on corrections to rateRes	Alcatel		
		325	Proposal for Adding Tax Parameters to the Charging API	Lucent		

