

TSG-CN WG5 ***(Open Service Access)*** ***Status Report***

Joint-API-group

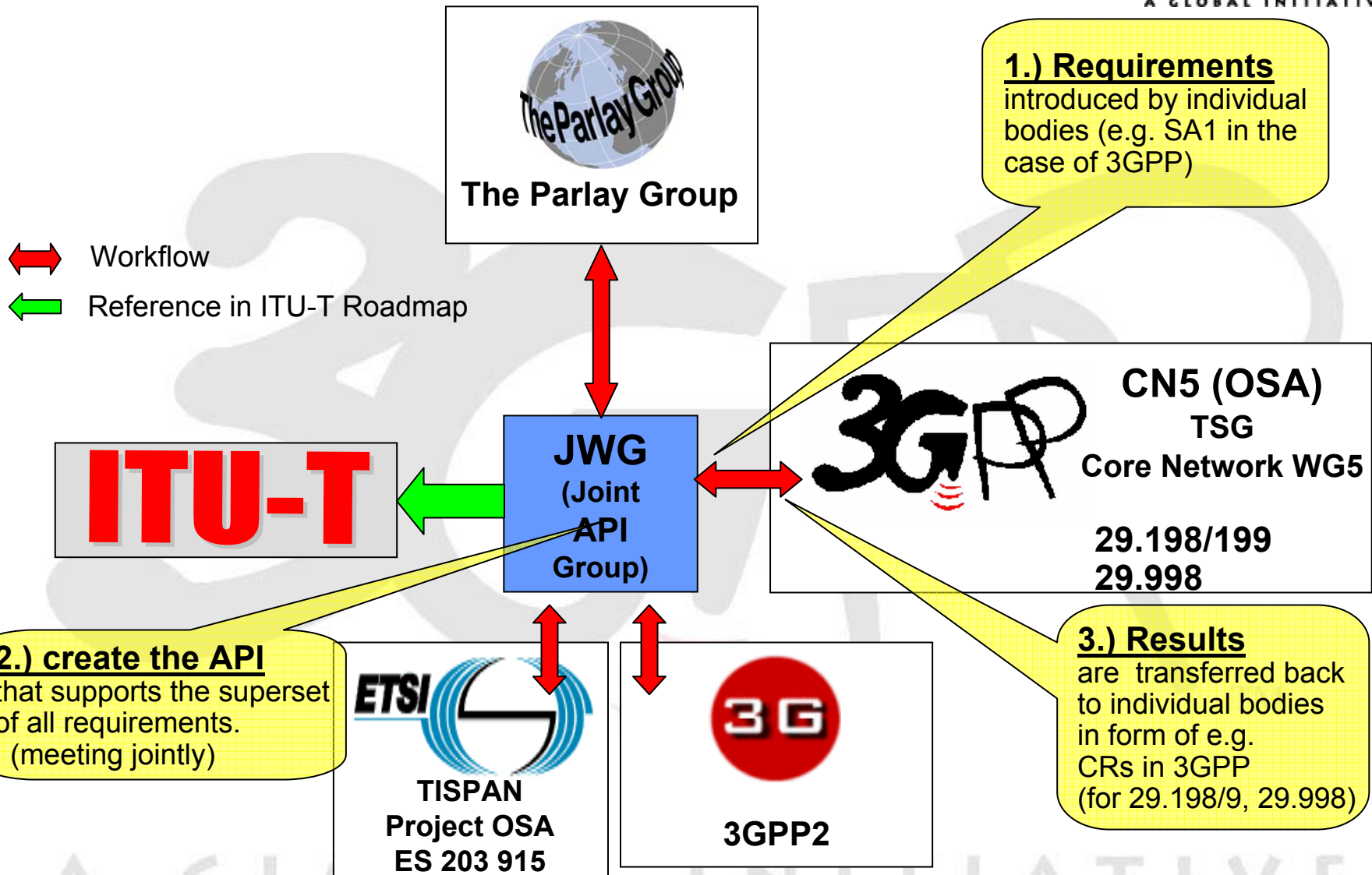
Reported by

Chelo ABARCA
CN5 Chair

Reported by

John-Luc BAKKER
CN5 Vice-Chair

Relation to Standardisation Bodies



joint-API-group

Officers

- **3GPP TSG-CN5 Chairperson**
Chelo ABARCA (Alcatel) – since 01/2003
- **3GPP TSG-CN5 Vice Chairman**
John-Luc BAKKER (Telcordia) – since 10/2003
- **ETSI TISPAN - OSA Project Leader**
Richard STRETCH (BT) – since 05/2003
(also Parlay representative)
- **Methodology Expert** – since 05/2000
Ultan MULLIGAN (ETSI PTCC)
- **MCC Support** – since 01/2001
Adrian ZOICAS (MCC)

Outline

- 
- **Achievements**
 - **CN5 work status**
 - Rel-6 status overview
 - Coordination with other groups
 - Meetings
 - **For plenary approval/information**
 - **Acknowledgements**

Achievements

Rel-4 and Rel-5 :

- **Some essential corrections, including addressing concerns that keep on coming in concerning recent Java realizations of the OSA APIs**

Rel-6:

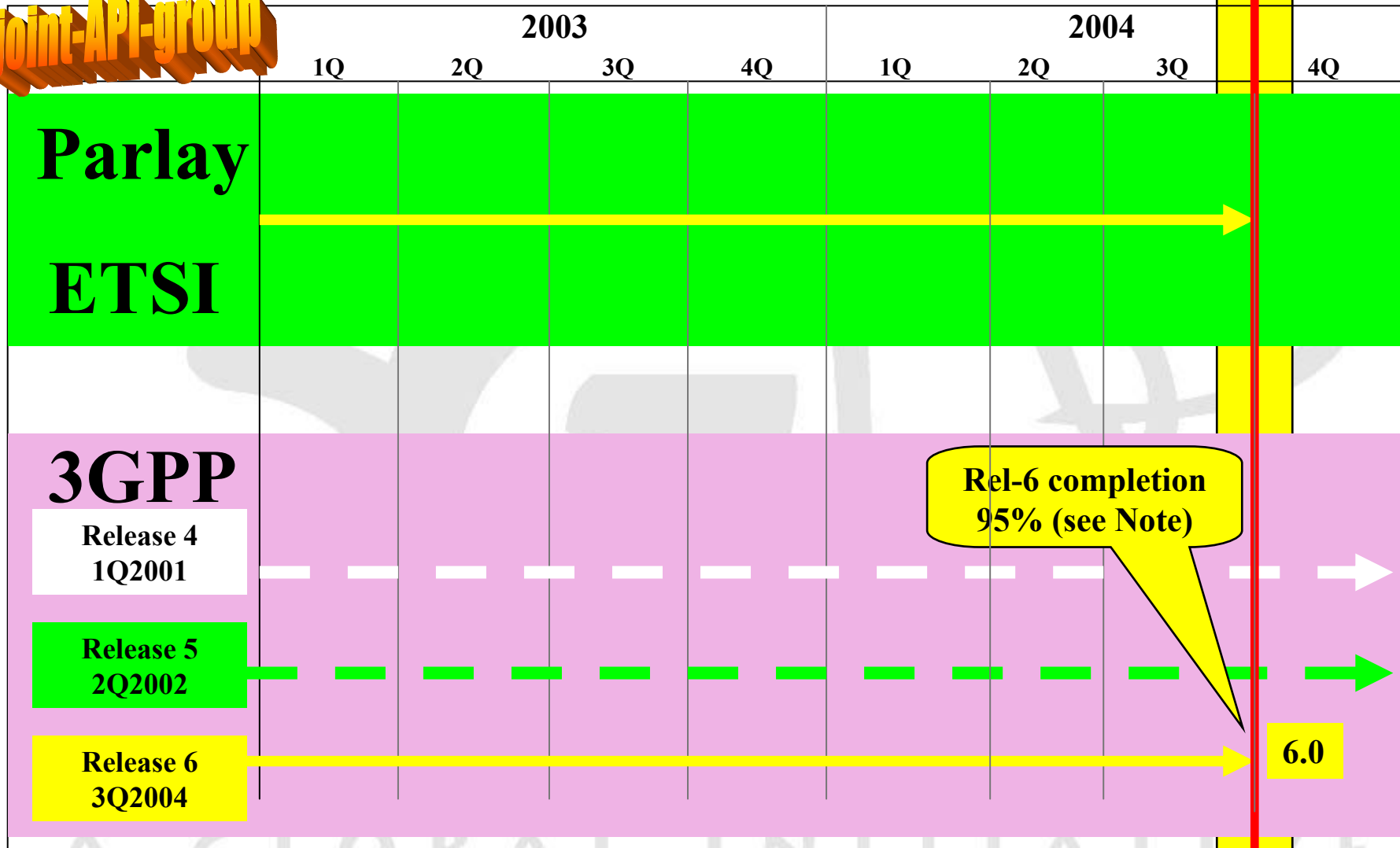
- **Work ongoing on Stage 3 for OSA Rel-6 requirements.**
- **Feedback from implementers keeps on coming in concerning recent Java realizations of the OSA APIs.**
- **Agreed to take NEW responsibility for OSA Stage 2 (23.127, future 23.198).**

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OSA Cross-releases Work Plan

Joint-API-group



NOTE: OSA Stage 2 will be finalized in Dec 2004 as CN#24 agreed (06/2004)

OSA Rel-6 Status Overview

Working on Rel-6 according to SA1 OSA Requirements:

Completed

- Introduction of migration support mechanism (CN#22, 12/2003)
- Framework Function for Federation (CN#22, 12/2003)
- Policy management extensions (CN#23, 03/2004)
- TS on Presence and Availability Management (CN#23, 03/2004)
- Multimedia Messaging function (CN#25, 09/2004)
- OSA interfaces at higher levels of abstractions (29.199 Parlay X web services) (CN#25, 09/2004)

Requirement deleted

- User Profile (No input from SA1/2); Stage 1 draft CR 22.127 done

Ongoing

- TR on Presence and Availability Management - completion 0%; Reason: No editor/No contributions (work under CN1 Presence WI)

MultiMedia Messaging (MMM)

SCF

OSA Rel-6 requirements include support of MultiMedia Messaging (MMM), which has resulted in a new OSA SCF – MMM.

The Multi Media Messaging SCF allows applications to:

- 1. send and receive messages both within and outside the context of a session (for session-based and single-shot messaging respectively);**
- 2. put messages in the mailbox for storage or for sending by the messaging system (with a copy in the mailbox);**
- 3. cancel a message previously sent or query the status of a message previously sent;**
- 4. manipulate folders and messages in the mailbox (e.g. copy, move, delete);**
- 5. list messages in the mailbox and retrieve complete messages, message headers, message body or parts of the message body;**

The MMM SCF can interface to various messaging Network Elements (NEs) or contain those NEs

Stage 2 (CR 23.127 in [NP-040353](#)) and stage 3 (New TS 29.198-15 in [NP-040359](#)) of the MMM SCF are presented to this CN plenary for approval.

Parlay X: OSA Interfaces at Higher Levels of Abstraction

- It is an abstraction and simplification of some of the existing OSA APIs, specified as Web Services
- A first version of Parlay X web services was submitted to CN#22 for Information.
Since then the stage 3 has been finalized and it is submitted for approval to this CN plenary as TS 29.199-01 to 14 in **NP-040360**.
 - The stage 3 document set includes a common data type part, call control related OSA interfaces, messaging related interfaces, terminal/status location interfaces, payment & account management, address list management and presence interfaces.
- Initial stage 2 for this was generated by CN5 (N5-040357) for SA2 (CR 23.127 in SP-040315) and introduced in the June 2004 release. This aligns the stage 2 with stage 3&1 for Parlay X web services.

Parlay X: OSA Interfaces at Higher Levels of Abstraction – Evolution

TS 29.199 specification	OLD Part Nr. in version 1.0.3 presented to CN#24 for Info in 06/2004 (NP-040274)	NEW Part Nr. presented to CN#25 for Approval in 09/2004 (NP-040360)	Note
Common	1	1	
Third party call	2	2	
Call notification	3	3	renamed
Call handling	Not available	4	new
Audio call	Not available	5	new
Multimedia Conference	Not available	6	new
Short Messaging	4	7	
Multimedia Messaging	5	8	
Terminal Status	8	9	
Terminal Location	9	10	TM
Payment	6	11	
Account Management	7	12	
Address List Management	Not available	13	new
Presence	Not available	14	new

Parlay X: OSA Interfaces at Higher Levels of Abstraction – *Mapping TRs*

- Informational mappings of Parlay X Web Services to OSA APIs or others (like SIP SIMPLE for the case of Presence) are being finalized.
- OSA mappings are TRs.
- It seems unnecessary to require the manpower to have these TRs both as 3GPP and ETSI deliverables.
- CN5 has agreed that the TRs with Parlay X mappings **should ONLY be ETSI TRs** (from ETSI TISPAN) and references to them will be provided as CRs to the 3GPP specs at CN#26 in December 2004.

Support of High Availability (HA) at OSA API Level

- **CN5 identified, a number of example deployment models that tackle HA concerns.**
- **These example deployment models will be documented and delivered in the Stage 2 in December 2004.**
- **CN5 has identified backward-compatible, semantic changes to the API method descriptions as a result of the Stage 2 agreement**
- **The Stage 3 CRs are presented to this meeting for approval in **NP-040358**.**

Backwards Compatibility and Removal of Deprecated Methods

- **The OSA APIs are maintained with a strong commitment to Backwards Compatibility of implementations**
 - The BC rules followed are now documented in the specification (**NP-040356**).
- **Changes in the specifications are tracked by means of « new » and « deprecated » tags.**
- **Items deprecated are eventually removed**
 - Rules for this removal are now also documented in the specification (**NP-040356**).

Java Code

- The OSA APIs have two Java realizations; targeting the J2EE & J2SE platforms.
 - Both are automatically derived from the UML model through respective Java code realization processes, as documented by Java Production rulebook in TS 29.198 Part 1.
- The J2SE Java code realization process is stable and handed over to ETSI PTCC:
 - CRs in **NP-040354** trigger introduction of Java for all Release 6 parts
- The J2EE Java code realization process is stabilizing and is being handed over to ETSI PTCC:
 - CRs in **NP-040355** trigger generation of J2EE code that ensures backward compatibility in future releases

for CN information:

Work on OSA Compliance and Testing finalized

- **During the last two years, an ETSI-funded Specialist Task Force (STF) has been working on Compliance and Testing for OSA.**
- **This work is now finalized, and includes:**
 - **PICS for OSA Rel4 and Rel5;**
 - **Test specifications for OSA Rel4 and Rel5.**
- **The final version of these draft specifications are going through a last review by the ETSI/Parlay/CN5 Joint WG on OSA.**
 - **this approval process is outside the scope of 3GPP CN5.**
- **These test specifications are to be published by ETSI TISPAN.**

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SA1 Rel-6 OSA Requirements

Clarifications

- **« GUP for OSA » in Rel6 - final conclusion has been reached:**
 - No requirements will be available;
 - SA1 recommends removal of this functionality from the WP;
 - draft CR 22.127 created by CN5.
- **« User-Application Authentication Functions » - CN5 has found in the OSA stage 1 (22.127) but not in the WP this requirement that escaped previous discussions:**
 - CN5 has never got stage 3 contributions;
 - so CN5 is proposing to SA1 to delete it from the stage 1;
 - draft CR 22.127 created by CN5.

Transfer of OSA Stage 2 (TS 23.127) responsibility from SA2 to CN5



CN5 has considered the proposal from SA2 to inherit the OSA stage 2, and has agreed on the following:

- 1. To take over the responsibility for the OSA stage 2 from Rel-6 onwards.**
- 2. To submit the final Rel6 OSA Stage 2 to CN#26 (12/04), as agreed by CN#24 (06/04).**
- 3. To create a new TS 23.198 for the OSA Stage 2, so that starting from Rel-6 the current TS 23.127, which covers both OSA and VHE in its scope, can be discontinued.**
Note: VHE is not anymore part of Rel6. The VHE TS was downgraded into a TR in pre-Rel6 releases.
- 4. To bring to CN#25 (09/2004) some updates (CRs) to the current OSA Stage 2 (TS 23.127), so that when contributions are available an alignment can be kept between Stages 1, 2 and 3.**
- 5. The latest version of TS 23.127 will be used to create the new OSA-only TS 23.198, for submission to CN#26 in December 2004 for Approval.**

CN5 requests CN to endorse these decisions

OMA



- From the beginning of the discussions about dependencies and overlaps between 3GPP and OMA, CN5 identified OSA APIs at a higher level of abstraction (aka Parlay X Web Services) as an area of overlap with OMA.
- Stage 3 specifications for Parlay X Web Services are finalized for Rel6, and submitted to this plenary as draft TS 29.199 Parts 1 to 14 for Approval (**NP-040360**).
- Now that these specifications are ready, CN5 believes it is time to address this overlap, and ensure no duplications or divergences result from it.
- To address this, CN5 has submitted an LS to SA, copied to CN (N5-040619 in **NP-040349** and **NP-040283/SP-04049x**).

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Meetings held

CN5 #28

- 9-13 August 2004, Piscataway, NJ, USA, hosted by Telcordia
- Attended by **16 delegates**
- Draft Report in **NP-040437** (N5-040408)
- MCC support was provided at this meeting

Meeting calendar 2004



TITLE	DATES	LOCATION	CTRY
3GPPCN5#25-bis (Messaging)	29 - 30 Jan 2004	Sophia Antipolis	FR
3GPPCN5#26 with CN1-4	16 - 20 Feb 2004	Atlanta	US
3GPPCN#23	10 - 12 Mar 2004	Phoenix	US
3GPPCN5#27 with Parlay	10 - 14 May 2004	Miami	US
3GPPCN#24	2 - 4 Jun 2004	KOREA	KR
3GPPCN5#28	10 - 13 Aug 2004	Piscataway, NJ (Host: Telcordia)	US
3GPPCN#25	8 - 10 Sep 2004	Palm Springs	US
3GPPCN5#29 with Parlay	1 - 5 Nov 2004	Barcelona	ES
3GPPCN#26	8 - 10 Dec 2004	Athens	GR

Meeting calendar 2005



TIATIVE

Feb 2005				
TITLE	TYPE	DATES	LOCATION	CTRY
3GPPCN1/3/4	WG	14 - 18 Feb 2005	TBD	
3GPPCN5#29	WG	14 - 18 Feb 2005	CN5 may cancel co-location	TBD
Mar 2005				
3GPPCN#27	OR	9 - 11 Mar 2005	Tokyo	JP
Apr 2005				
3GPPCN1/3/4	WG	25 - 30 Apr 2005	EU	EU
3GPPCN5#30	WG	04 - 08 Apr 2005	with Parlay	TBD
Jun 2005				
3GPPCN#28	OR	1 - 3 Jun 2005	Quebec	CA
Aug 2005				
3GPPCN5#31	WG	15 - 19 Aug 2005	TBD	
3GPPCN1/3/4	WG	22 - 26 Aug 2005	TBD	
Sep 2005				
3GPPCN#29	OR	21 - 23 Sep 2005	Tallinn	EU
Oct 2005				
3GPPCN5#32	WG	10 - 14 Oct 2005	with Parlay	TBD
Nov 2005				
3GPPCN1/3/4	WG	7 - 12 Nov 2005	EU	EU
3GPPCN#30	OR	30 Nov - 2 Dec 2005	Malta	MT

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Exceptions

- CN WGs have been requested to list their exceptions – work that will not be ready for the September 2004 plenary.
- As agreed in CN#24, CN5 will submit the **final OSA stage 2** in December 2004 (see **Slide 19**)
- No further exceptions

Contributions to this meeting

NP- Nr	Ag.	Type	Tdoc Title	WI	Rel	Source
NP-040347	6.5.1	REPORT	Status Report for TSG CN WG5	n/a	n/a	CN5 Chair
NP-040348	6.5.1	REPORT	CN5#28 Meeting Report	n/a	n/a	CN5 Chair
NP-040349	6.5.1	LS OUT	All LSs sent from CN5 since TSG CN#24 Meeting	n/a	n/a	CN5
NP-040350	6.5.1	ToR	N5-040523 Revised Draft update of CN5 Terms of Reference to include responsibility for OSA Stage 2 transferred from SA2	n/a	n/a	CN5
NP-040351	6.5.1	WID	N5-040618 Draft update of Rel-6 WID for OSA Stage 3 to include responsibility for OSA Stage 2 transferred from SA2 etc. (Update of CN#23-approved NP-040144)	n/a	Rel-6	CN5
NP-040352	7.10	CR PACK	3 Rel-4 CR 29.198-04, Rel-5/6 CR 29.198-04-2 Correct IpCall State Diagram	OSA1	Rel-4	CN5
NP-040353	9.7	CR PACK	3 Rel-6 CR 23.127	OSA3	Rel-6	CN5
NP-040354	9.7	CR PACK	5 Rel-6 CR 29.198-xy Java Realisation Annex: Correct annex to align with current Java production process.	OSA3	Rel-6	CN5
NP-040355	8.2	CR PACK	25 Rel-5/6 CR 29.198-xy Remove a field that appears in every Rel-5/6 part that has J2EE source	OSA2	Rel-5	CN5
NP-040356	9.7	CR PACK	7 Rel-6 CR 29.198-xy Add Description of Backwards Compatibility rules & Remove deprecated items	OSA3	Rel-6	CN5
NP-040357	9.7	CR PACK	3 Rel-6 CR 29.198-05	OSA3	Rel-6	CN5
NP-040358	9.7	CR PACK	19 Rel-6 CR 29.198-xy Corrections to support High-Availability (HA)	OSA3	Rel-6	CN5
NP-040359	9.7	TS	Rel-6 Draft TS 29.198-15 v100 (MultiMedia Messaging SCF) – for CN Approval	OSA3	Rel-6	CN5
NP-040360	9.7	TS PACK	14 Rel-6 Draft TS 29.199-01 to 14 v110 (Parlay X Web Services) – for CN Approval	OSA3	Rel-6	CN5

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- **Telcordia and specially John-Luc BAKKER for the excellent meeting facilities provided for hosting the CN5#28 meeting in Piscataway, New Jersey, USA.**
- **Ultan Mulligan from ETSI PTCC for helping progress the MultiMedia Messaging stage 3 draft specification on top of his usual tasks.**