

3GPP TSG CN Plenary Meeting #14
Kyoto, Japan, 17-20 December 2001

NP-010590



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

joint-API-group

Reported by

Ard-Jan MOERDIJK
TSG-CN WG5 Chair

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What is the

joint-API-group

?

The OSA-API specification is the result of the joint working group consisting of:

- **Parlay** (www.parlay.org)
- **ETSI OSA Project (ex-SPAN12)** (www.etsi.org/span)
- **3GPP TSG-CN WG5** (www.3gpp.org/TB/CN/CN5/CN5.htm)

in co-operation with companies working in the

- **JAIN consortium** (www.jain.org)

joint-API-group

Officers

- **ETSI Project OSA Chairperson**
Chelo ABARCA (Alcatel)
- **3GPP TSG-CN5 Chairman**
Ard-Jan MOERDIJK (Ericsson) – since 07/2001
- **Parlay representative**
Richard STRETCH (BT)
- **3GPP TSG-CN5 Vice Chairman**
Musa UNMEHOPA (Lucent) – elected at CN5#14 in 10/2001
- **Methodology Expert** – since 05/2000
Ultan MULLIGAN (ETSI PTCC)
- **MCC Support** – since 01/2001
Adrian ZOICAS (MCC)

Joint-API-group Meetings

- **CN5 #14**
 - 16 - 19 October in Brighton, UK
hosted by BT, Vodafone, Lucent, Hutchison 3G and Orange; co-located with other CN Working Groups.
 - Attended by 18 delegates
 - Report in **NP-010592** (N5-010918)
- **CN5 #15**
 - 26-30 November 2001 in Cancun, Mexico,
hosted by the North American Friends of 3GPP™
 - Attended by 20 delegates
 - Draft Report in **NP-010593** (N5-011105)

joint-API-group outgoing Liaison Statements

- 9 outgoing LSs since CN#13 (see [NP-010591](#))

List of outgoing Liaison Statements	
N5-010932	LS to SA1 on direction for implementing SA1's OSA and VHE Requirements
N5-010933	LS reply to SA1 (S1-010869/N5-010740) on considering OSA in SA1's TR 22.941 (IP based Multi-media Services Framework Report)
N5-010934	LS to SA2 (cc: SA1) on architectural impact of requirements
N5-010944	LS reply to SA5 (S5-010532) on Management aspects of OSA
N5-011059	Liaison Statement reply to ITU-T SG11 Q4/11 on Proposed ITU-T API Reference Document
N5-011159	LS reply from CN5 to SA3 (S3-010574) on the Support of Up to Date Encryption Algorithms in the OSA Framework
N5-011160	LS reply from CN5 to T2 (T2-010905) on Confirmation of OSA Support for VASP MMS Connectivity
N5-011161	LS reply from CN5 to SA1 (S1-011271) (cc: SA2) requesting clarification on SA1's CR stating that OSA APIs do not require Service Capability Features to be 3GPP standardized entities
N5-011172	LS from CN5 to SA1 on Retrieval of Network Capabilities Requirement

Administrative /Organizational

- **Elected new CN5 Vice Chair** – at CN5#14, Oct 2001
 - **Musa UNMEHOPA (Lucent)**

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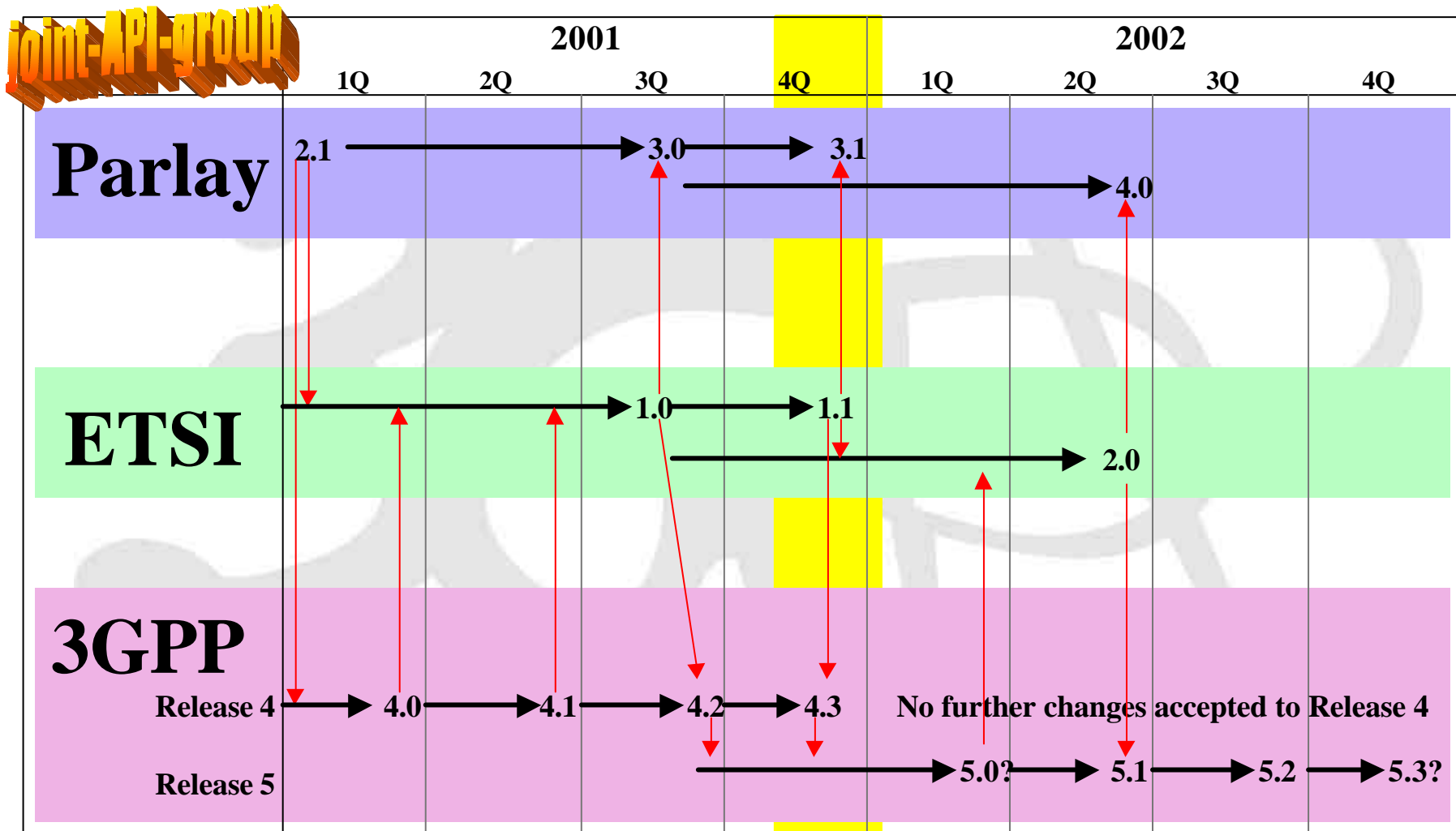
Status Rel-4 OSA Stage 3

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Rel-4 Status overview

- Since the **joint-API-group** completed the aligned specs for 3GPP Rel-4 / Parlay 3.0 / ETSI OSA 1.0 after the CN#13 plenary in Beijing, a relative small number of minor error corrections have been agreed by the **joint-API-group**.
- These error corrections are submitted as CRs to this CN#14 plenary meeting for approval.
- The approval of these CRs will result in the final 3GPP OSA Rel-4 specifications (fully in line with ETSI OSA 1 and Parlay 3).
- Further updates will be part of 3GPP Rel-5 (aligned with ETSI OSA 2 and Parlay 4).

OSA Cross-releases Work Plan



→ = point of alignment between specifications

CN5 deliverables (Rel-4 highlighted in yellow)

OSA API (TS 29.198-x) & Mapping (TR 29.998-x)

OSA API specifications 29.198-family		OSA API Mapping - 29.998-family	
29.198-1	Part 1: Overview	29.998-1	Part 1: Overview
29.198-2	Part 2: Common Data Definitions	29.998-2	Not Applicable
29.198-3	Part 3: Framework	29.998-3	Not Applicable
29.198-4	Part 4: Call Control SCF	29.998-4-1	Subpart 1: Generic Call Control – CAP mapping
		29.998-4-2	
29.198-5	Part 5: User Interaction SCF	29.998-5-1	Subpart 1: User Interaction – CAP mapping
		29.998-5-2	
		29.998-5-3	
		29.998-5-4	Subpart 4: User Interaction – SMS mapping
29.198-6	Part 6: Mobility SCF	29.998-6	User Status & User Location – MAP mapping
29.198-7	Part 7: Terminal Capabilities SCF	29.998-7	Not Applicable
29.198-8	Part 8: Data Session Control SCF	29.998-8	Data Session Control – CAP mapping
29.198-9	Part 9: Generic Messaging SCF	29.998-9	Not Applicable
29.198-10	Part 10: Connectivity Manager SCF	29.998-10	Not Applicable
29.198-11	Part 11: Account Management SCF	29.998-11	Not Applicable
29.198-12	Part 12: Charging SCF	29.998-12	Not Applicable

3GPP Rel-4 OSA Stage 3

- CRs 29.198-01 **NP-010594**
- CRs 29.198-02 **NP-010595**
- CRs 29.198-03 **NP-010596**
- CRs 29.198-04 **NP-010597**
- CRs 29.198-05 **NP-010598**
- CRs 29.198-06 **NP-010599**
- CRs 29.198-07 **NP-010600**
- CRs 29.198-08 **NP-010601**
- CRs 29.198-11 **NP-010602**
- CRs 29.198-12 **NP-010603**

(all CRs are of Category F – corrections)

CN approval is requested under Agenda item 8.5

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Status Rel-5 OSA Stage 3

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Rel-5 Status overview (1/3)

- **CN5#14 made a thorough review of the requirements* . As a result:**
 - Requested indication of priorities from SA1 as
 - substantial amount of work might also be needed in new areas;
 - not all requirements are clear yet;
 - it was felt that some requirements have architectural impact and SA2 involvement is needed.
 - Requested guidance from SA2 on architectural impact for new SCFs.
- **After the answer from SA1 and the joint meeting with SA2 VHE/OSA ad-hoc in Cancun:**
 - Incremental approach will be taken in order to first concentrate on the work that can be finished before March 2002.

joint-API-group

* CN5's OSA API is a sub-set of the Parlay / ETSI OSA specifications

Rel-5 Status overview (2/3)

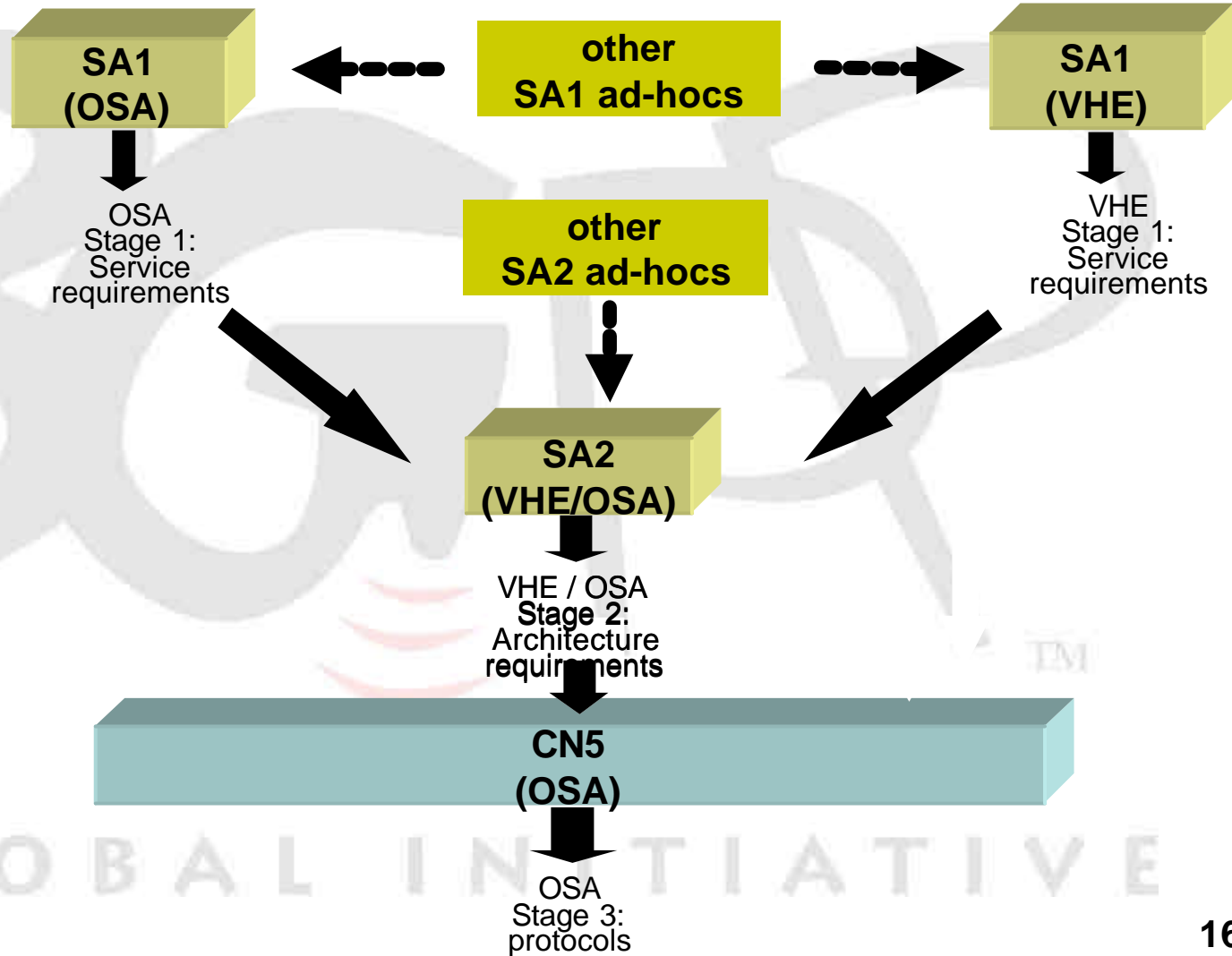
- **Areas recommended by the SA2 VHE/OSA ad-hoc which can be completed before March 2002 and thus have highest priority:**
 - Multi media call / session control
 - Policy management
 - Presence
 - Support for technologies additional to CORBA (XML based API with WSDL/SOAP/XML : Web-service support for OSA).
- **SA2 VHE/OSA ad-hoc strongly suggested not to work yet on:**
 - User Profile (SA2 work needed and UP ad-hoc not finished)
 - Authorization (SA2 work needed)
 - Network capabilities (unclear requirement)

Rel-5 Status overview (3/3)

- Remaining requirements fulfillment will be best effort:
 - Journaling
 - Terminal capabilities
 - Information Transfer (mapping to IMS needed)
 - Information Service
- Updated BB WID OSA Stage 3 is submitted by CN5 to CN#14 for approval (**NP-010671**)
 - Only the work flow showing the relationship with the other 3GPP groups has been updated.

CN approval is requested under Agenda item 9.4

**OSA specification
development
flow
inside
3GPP**



Others: Co-ordination with SA5

- **CN5 invited SA5 delegates for presentations on OSA Management & Charging aspects**
 - CN5 presented OSA Framework (FW) Management aspects.
 - SA5 presented Subscription Management and its relationship with OSA.
 - CN5 presented OSA Charging capabilities.
- ? **Conclusions:**
 - ? Agreed to either have a CN5 delegate as liaison person with SA5 or to set-up a small joint ad-hoc group to work on Subscription Management aspects.
 - ? the **joint-API-group** specifies for both existing and on-going SCFs where is the Management functionality.
 - ? Suggested SA5 to study the OSA Charging presentation / spec. Discussion could be continued at future meetings, however it seems that full co-ordination may not be possible in the Rel-5 timeframe.

Others: Work on IMS

- CN1's CR23.218 (remove clause 12 on OSA) was approved and the contents of the clause was taken on board by CN5 for the moment in TR 29.998-04 (mapping of Call / session control).
- Work on mapping identified general issues on ISC/IMS : input to CN1 is currently considered.
- **joint-API-group** decided to put its effort for the moment on mapping to pure SIP environment as ISC seems not to be stable yet, and updating our mapping from a SIP to ISC mapping is considered as a rather small effort ("delta").

Future Meetings of the **joint-API-group**

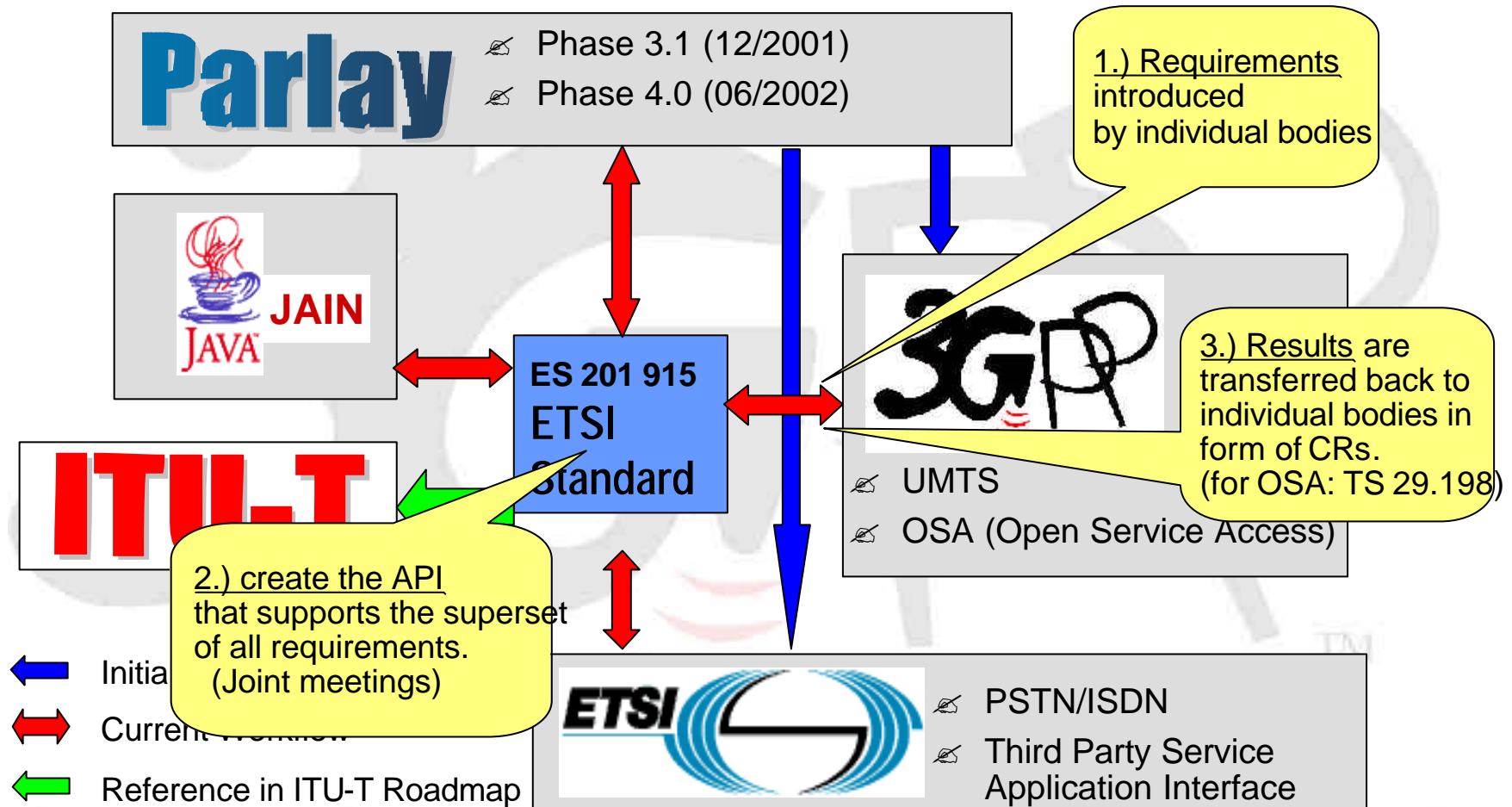
Meeting	Date	Location	Host
CN5#16	5 - 8 Feb 2002	Hong Kong, China	Parlay
Ad-hoc ?	18 - 22 Feb 2002	tbd	tbd
TSG#15	6 – 14 Mar 2002	TBD, Korea	TTA
TSG#16			



Background material

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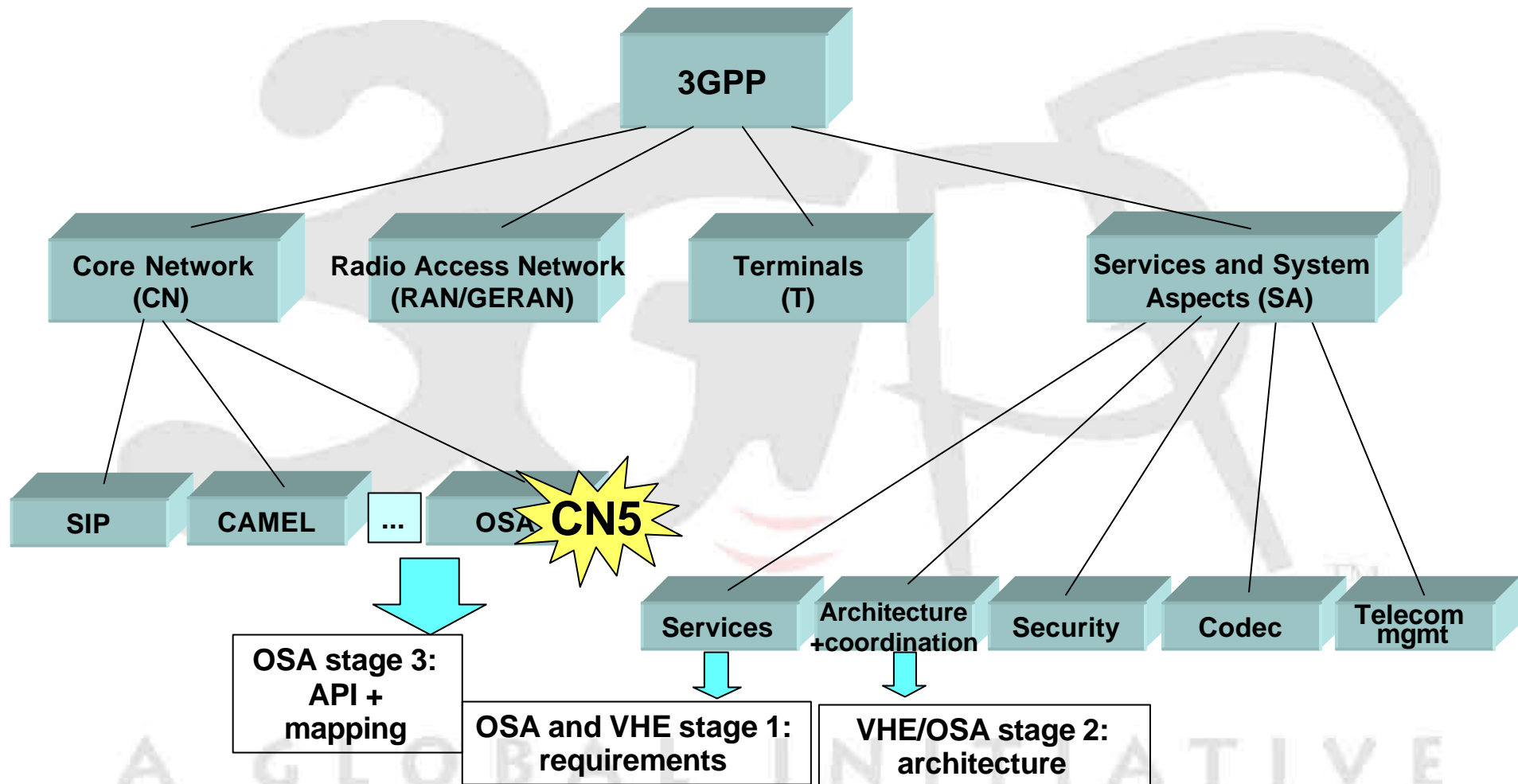
Relation to Standardisation Bodies



3GPP VHE and OSA

- 3GPP requires the support of the **VHE system concept**:
“users should be consistently presented with the same personalized services whatever the network that serves them, and whatever the terminal they use.”
- 3GPP has identified a set of VHE enabling toolkits:
OSA is one of them

OSA in the 3GPP organisation



Requirements Flow

- SA1 OSA ad-hoc delivers OSA requirements
- SA1 VHE ad-hoc delivers VHE requirements, that may impact OSA (OSA is a VHE-enabling toolkit)
- SA2 VHE/OSA receives these two sets of requirements, and classifies them into:
 - those which have an architectural impact and thus need further elaboration
 - those which do not, and can be directly forwarded to CN5

**OSA specification
development
flow
inside
3GPP**

