TSG-CN WG5
(Open Service Access)
Status Report

Reported by

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TSG-CN WG5 Chair

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TDoc #	Agenda	Type	Tdoc Title
NP-020100	6.5.1	REPORT	Chairman's report from CN5 (slide presentation)
NP-020101	6.5.1	LS OUT	LSs outgoing from CN5 between CN#15 and CN#16
NP-020102	6.5.1	REPORT	Draft Report of CN5#16 Hong Kong, 5-8 Feb 2002 (N5-020007)
NP-020103	6.5.1	Tdoc	OSA APIs presentation and tutorial (N5-020130)
NP-020104	8.5	CR	Rel-4 CRs 29.198-02
NP-020105	8.5	CR	Rel-4 CRs 29.198-03
NP-020106	8.5	CR	Rel-4 CRs 29.198-04
NP-020107	8.5	CR	Rel-4 CRs 29.198-05
NP-020108	8.5	CR	Rel-4 CRs 29.198-06
NP-020109	8.5	CR	Rel-4 CRs 29.198-07
NP-020110	8.5	CR	Rel-4 CRs 29.198-08
NP-020111	8.5	CR	Rel-4 CRs 29.198-11
NP-020112	8.5	CR	Rel-4 CRs 29.198-12
NP-020113	9.4	CR	Rel-5 CRs 29.198-07

NP-020100

Joint-API-group *Meetings*

- ## CN5 #16

  - 4 - 8 February in Hong-Kong, CHINA hosted by Parlay

  - Attended by > 34 delegates (Parlay meeting > 140 delegates)

  - Draft Report in NP-020102 (N5-020007)

outgoing Liaison Statements

- ## 4 outgoing LSs since CN#14 (see NP-020101)

N5-020120	LS to SA1, SA2 (cc: SA5) on Clarification of requirements for the VHE
N5-020134	LS to SA1, SA2 on Clarification of the OSA Stage 1 Journaling Requirements
N5-020113	LS reply to SA3 (N5-020013/S3-010696) Security Framework
N5-020162	LS reply to SA3 LI (cc: SA1) (N5-020010/NP-010698) on Lawful Intercept related information in CN5 specifications

3GPP Rel-4 OSA Stage 3

- **For the aligned 3GPP Rel-4 / Parlay 3.1 / ETSI OSA 1.1 a few minor error corrections (CRs category F) have been agreed by the** *joint-API-group*

- **CRs 29.198-02**   NP-020104
- **CRs 29.198-03**   NP-020105
- **CRs 29.198-04**   NP-020106
- **CRs 29.198-05**   NP-020107
- **CRs 29.198-06**   NP-020108
- **CRs 29.198-07**   NP-020109
- **CRs 29.198-08**   NP-020110
- **CRs 29.198-11**   NP-020111
- **CRs 29.198-12**   NP-020112

CN approval is requested under Agenda item 8.5

Rel-5 Status overview (1/2)

- **Recall : Incremental approach will be taken in order to first concentrate on the work that can be finished before March 2002 *.**

Requirement	Priority	Status
Multi-media session control	High	70% finished, no progress during CN5#16, reconsidered decision to put its effort for the moment on mapping to pure SIP environment. The mapping will now be based on ISC.
Policy management	High	95% finished, integrated with rest of OSA APIs during CN5#16
Presence	High	90% finished, integrated with rest of OSA APIs during CN5#16, subset for 3GPP requirements will be produced
Content Based Charging	High	95% finished
WSDL APIs for SOAP / HTTP transport	High	90% finished
Journalling	Low	0% finished, clarification from SA1 requested
Terminal Capabilities	Low	99% finished, Rel 5 ready
Information Transfer	Low	0% finished, no progress
Information Services	Low	0% finished, no progress
User Profile	Low	waiting for further work in SA2
Authorisation	Low	waiting for further work in SA2
Network Capabilities	Low	initial contribution discussed, however decided to wait for further clarification from SA1

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

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Rel-5 Status overview (2/2)

- **At CN5#16 it was decided to wait with delivery of new OSA Rel. 5 work until CN#16, except for Terminal Capabilities, because:**
  - **more stable specification work and review of current material is desired**
  - **it allows full synchronization from start between 3GPP OSA Rel. 5, Parlay 4 and ETSI OSA 2**
  - **IMS work more stable around CN#16**
  - **Requirement clarification from SA1 still pending**

Rel-5 Specification Status

1   Upgrade of existing specifications in Rel-4 to Rel-5

All OSA Rel-4 deliverables (TS/TR) should automatically be upgraded to Rel-5 in March 2002 (TSG#15) excepting TS 29.198 Parts: 3, 4, 5 and 12 for which substantial CRs are expected in June 2002.

2   One Rel-5 CR for TS 29.198 Part 7 in NP-020113

CN approval is requested under Agenda item 9.4

3   Scheduled new deliverables (TS/TR) in Rel-5

Delivery as version 1.0.0 in June 2002 (TSG#15 meeting) for Information

TS	29.198-13	Open Service Access (OSA) Application Programming Interface (API); Part 13: Policy Management SCF
TS	29.198-14	Open Service Access (OSA) Application Programming Interface (API); Part 14: Presence and Availability Management SCF
TR	29.998-04-4	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 4: Call Control Service Mapping; Subpart 4: Multiparty Call Control - ISC

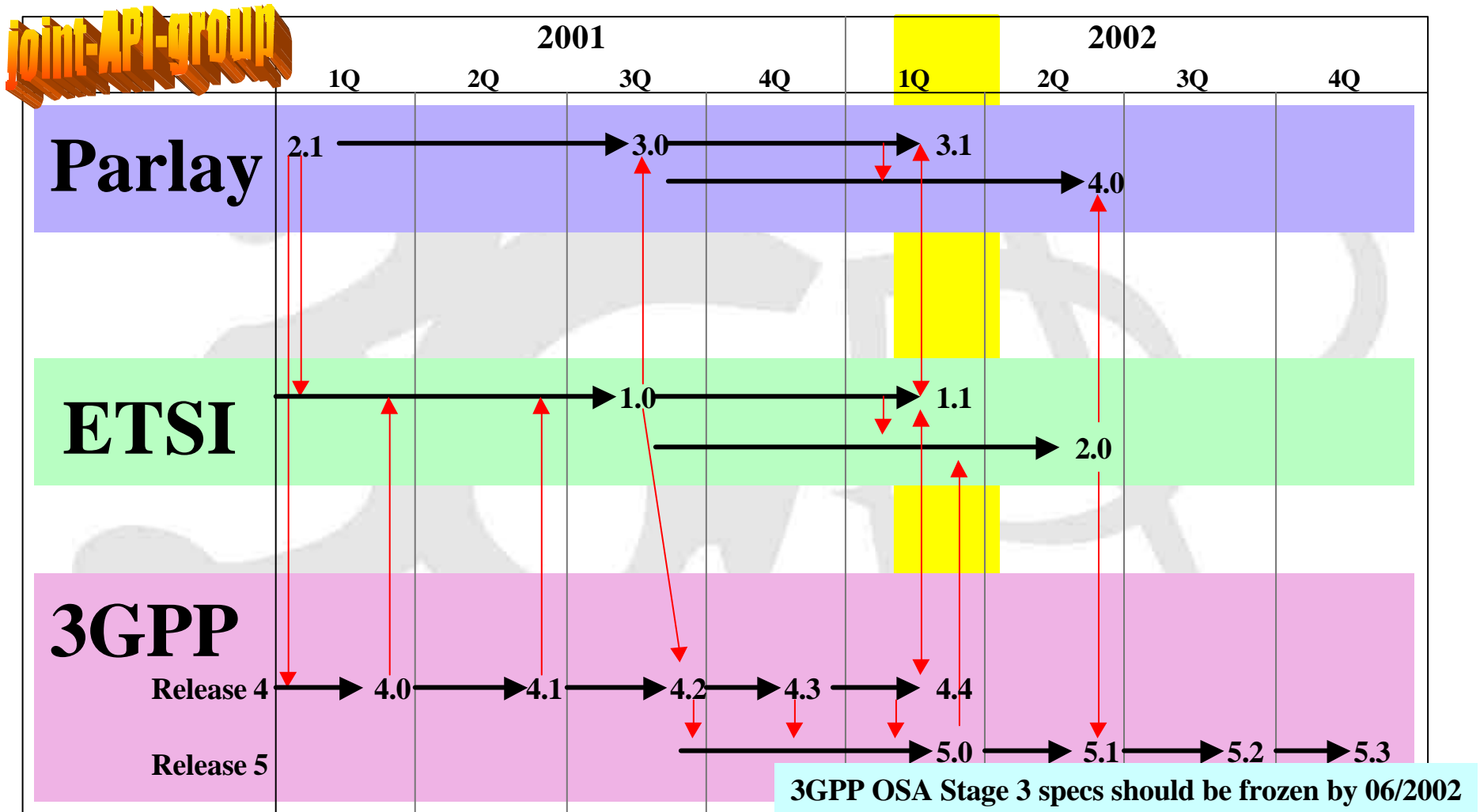**4   CN5 asks that 3GPP OSA Stage 3 deliverables (TS/TR) should be "frozen" by 06/2002**

Rel-5 OSA Stage 3 *(new parts/functionality in yellow)*

OSA API specifications 29.198-family		OSA API Mapping - 29.998-family	
29.198-1	Overview	29.998-1	Overview
29.198-2	Common Data Definitions	29.998-2	*Not Applicable*
29.198-3	Framework	29.998-3	*Not Applicable*
29.198-4	Call Control SCF	29.998-4-1	Generic Call Control – CAP mapping
		29.998-4-2	*Generic Call Control – INAP mapping*
		29.998-4-3	*Generic Call Control – Megaco mapping*
		29.998-4-4	Multiparty Call Control – ISC mapping
29.198-5	User Interaction SCF	29.998-5-1	User Interaction – CAP mapping
		29.998-5-2	*User Interaction – INAP mapping*
		29.998-5-3	*User Interaction – Megaco mapping*
		29.998-5-4	User Interaction – SMS mapping
29.198-6	Mobility SCF	29.998-6	User Status and User Location – MAP
29.198-7	Terminal Capabilities SCF	29.998-7	*Not Applicable*
29.198-8	Data Session Control SCF	29.998-8	Data Session Control – CAP mapping
29.198-9	*Generic Messaging SCF*	29.998-9	*Not Applicable*
29.198-10	*Connectivity Manager SCF*	29.998-10	*Not Applicable*
29.198-11	Account Management SCF	29.998-11	*Not Applicable*
29.198-12	Charging SCF	29.998-12	*Not Applicable*
29.198-13	Policy Management SCF	29.998-13	*Not Applicable*
29.198-14	Presence and Availability Management SCF	29.998-14	*Not Applicable*

OSA Cross-releases Work Plan

joint-API-group

	2001				2002			
	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q

Parlay
2.1 → 3.0 → 3.1
3.0 → 4.0

ETSI
1.0 → 1.1
→ 2.0

3GPP
Release 4: 4.0 → 4.1 → 4.2 → 4.3 → 4.4
Release 5: 5.0 → 5.1 → 5.2 → 5.3

3GPP OSA Stage 3 specs should be frozen by 06/2002

→ = point of alignment between specifications

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Others: Co-ordination with SA5

- **Ongoing work on Subscription Management (SuM) in SA5 OSA Subteam : no further information**

Others: Co-ordination with SA3

- **Around CN5 #15 (Cancun, Nov 2001) communication between SA3 and CN5 regarding OSA Framework security aspects**

- **Joint session with CN5 experts during SA3 #22 (25 Feb - 1 Mar 2002) in Bristol**

Future Meetings of the joint-API-group

Meeting	Date	Location	Host
CN1- 4	8 - 12 Apr 2002	Florida/ USA	NA Friends
CN5#17	8 - 12 Apr 2002	Sophia Antipolis/ FR	ETSI
CN1- 4	13 - 17 May 2002	Amsterdam/ NL	Ericsson
CN5#18	13 - 17 May 2002	Amsterdam/ NL	Ericsson
TSG#16	4 – 13 Jun 2002	Marco Island, FL, USA	Motorola
SPAN#8	24 - 28 Jun 2002	Sophia Antipolis	ETSI
CN5#19	8 - 12 Jul 2002	Montreal/ CA	Parlay/Ericsson
CN1- 4	29 Jul- 2 Aug 2002	Helsinki/ FI	Nokia
CN5#20	TBD	TBD	TBD
CN5#21	TBD	TBD	TBD
TSG#17	3 - 12 Sep 2002	Biarritz, France	Alcatel
SPAN#9	16 - 20 Sep 2002	Sophia Antipolis	ETSI
CN1- 4	23 - 27 Sep 2002	North America	NA Friends
CN5#22	Oct 2002	British Islands	Parlay

Background material

What is the **Joint-API-group** *?*

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

- **Parlay (**www.parlay.org**)**

- **ETSI SPAN's Project OSA (**www.etsi.org/span**)**

- **3GPP TSG-CN WG5 (**www.3gpp.org/TB/CN/CN5/CN5.htm**)**

in co-operation with companies representing the JAIN

(http://jcp.org/jsr/tech/jain.jsp**) community**

What is the **joint-API-group** *doing?*

Parlay-vous OSA ?   see: http://www.3gpp.org/TB/CN/CN5/CN5.htm

... or what you always desired/wanted/wished to know about the Open Service Access (OSA) Application Programming Interfaces (APIs)

http://www.3gpp.org/TB/CN/CN5/N5-020130_AllAboutParlayOSA.ppt

Opening the networks with Parlay / OSA APIs: standards

- The past years have shown an enormous increase in efforts to open-up telecom network functionality for application development. This means that applications can access core network functionality by means of open standardized APIs based on open technology.

- One value of opening-up of the network is the emergence of new business models where applications can be developed and provided by enterprises outside the traditional network operator domain.

- Combined with the fact that applications can be built with standard IT technology and tools, new innovative applications will hit the market with development cycles shorter than ever shown before. (PDF file)

Presentations/Tutorials/Press-Releases can be found at

http://www.3gpp.org/ftp/TSG_CN/WG5_OSA/_Pesentation_Tutorial_Press-Release/
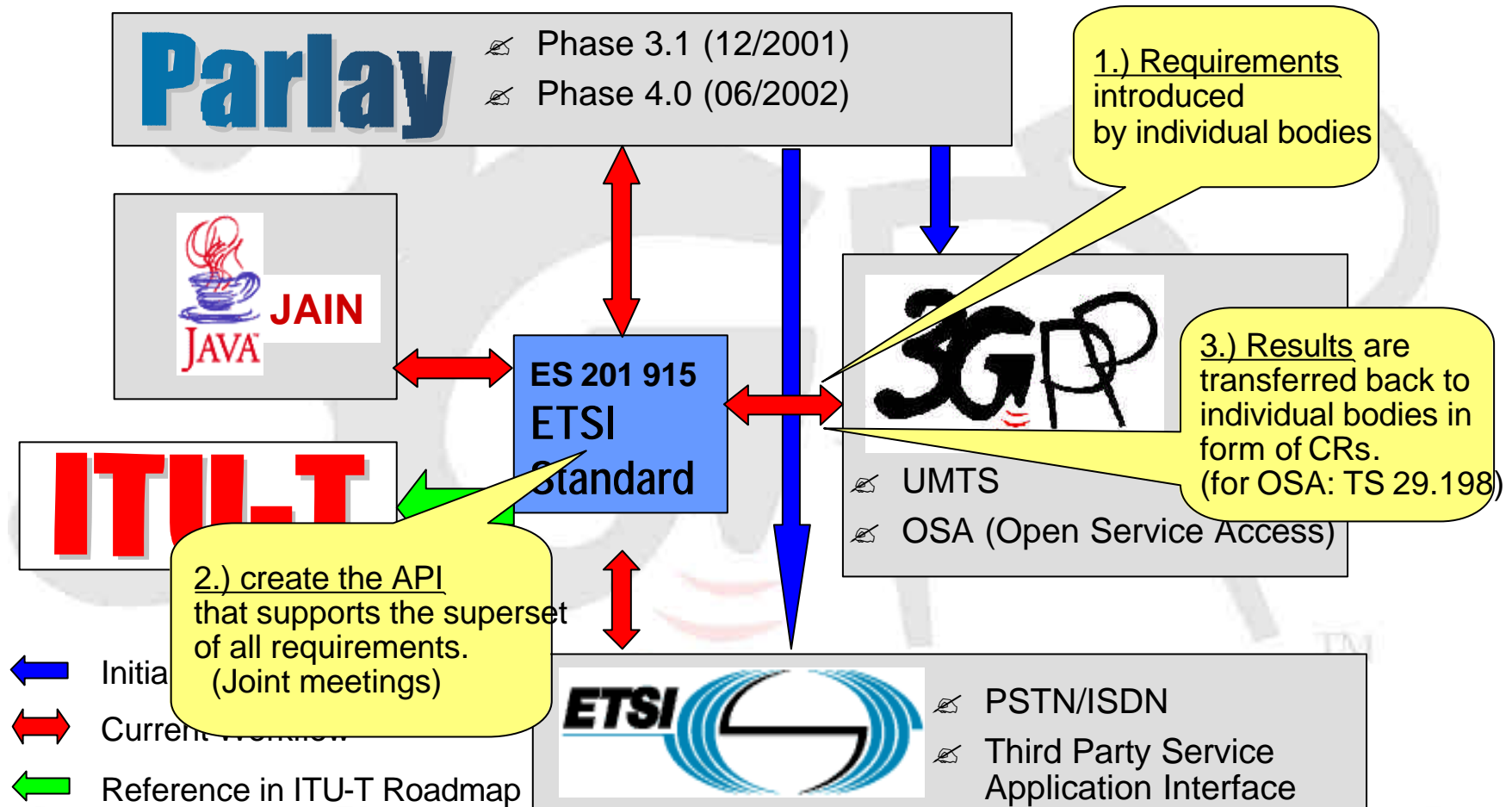
NP-020103 – for Information

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) – since 10/2001

- **Methodology Expert – since 05/2000**
  Ultan MULLIGAN (ETSI PTCC)

- **MCC Support – since 01/2001**
  Adrian ZOICAS (MCC)

Relation to Standardisation Bodies

Parlay
- Phase 3.1 (12/2001)
- Phase 4.0 (06/2002)

JAIN / JAVA

ITU-T

ES 201 915 ETSI Standard

3GPP
- UMTS
- OSA (Open Service Access)

ETSI
- PSTN/ISDN
- Third Party Service Application Interface

1.) Requirements introduced by individual bodies

3.) Results are transferred back to individual bodies in form of CRs. (for OSA: TS 29.198)

2.) create the API that supports the superset of all requirements. (Joint meetings)

Initia... — Initia...
Current Workflow — Current Workflow
Reference in ITU-T Roadmap

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
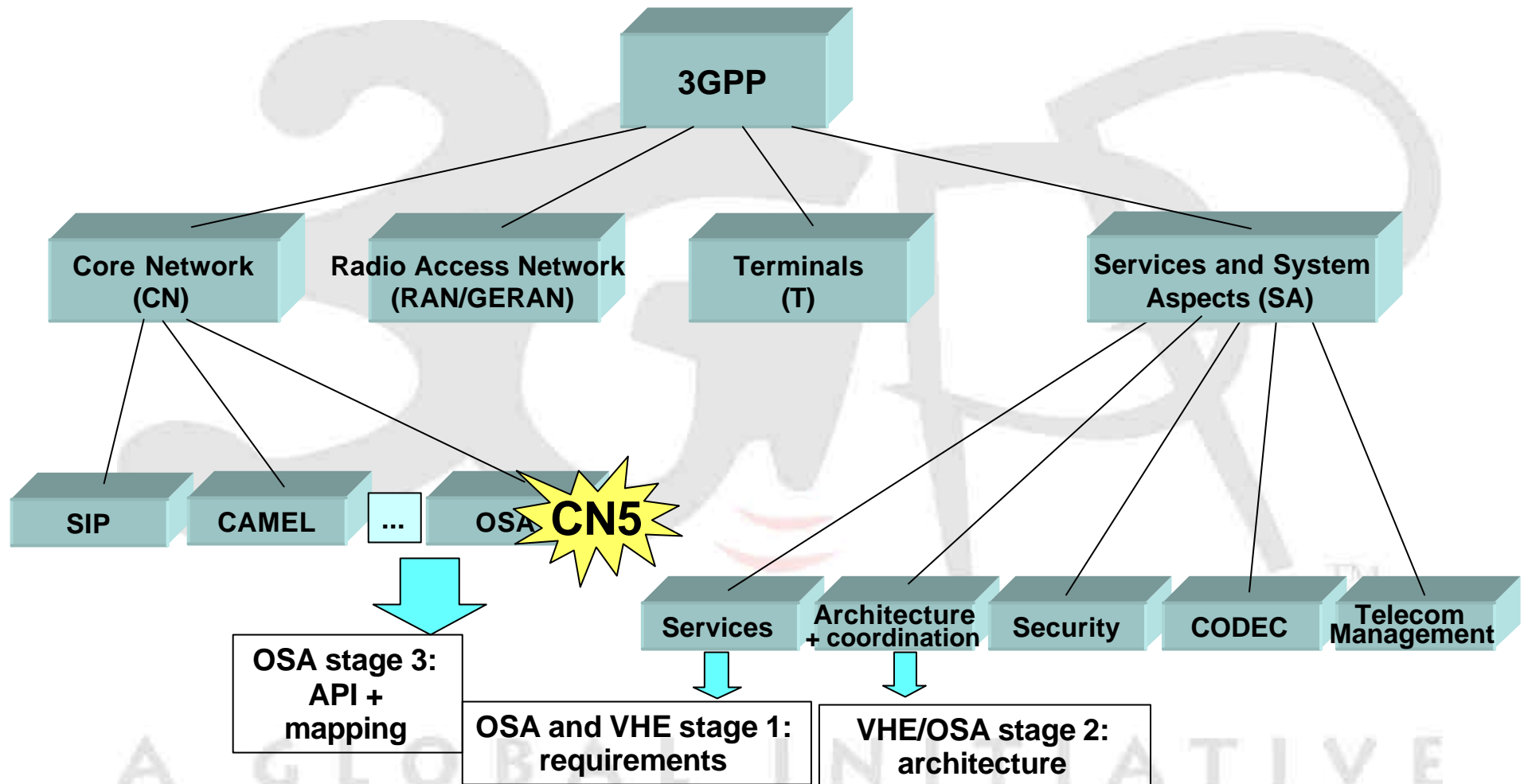
Requirements Flow

- **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**
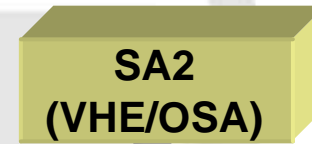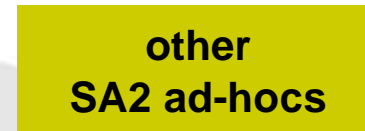 - **those which do not, and can be directly forwarded to CN5**

OSA specification development flow inside 3GPP

SA1 (OSA)

other SA1 ad-hocs

SA1 (VHE)
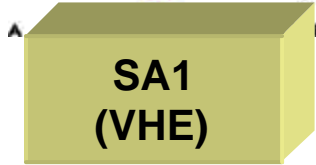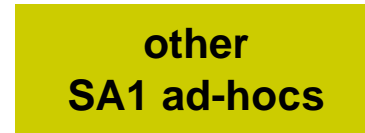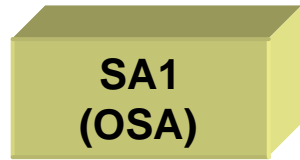
OSA
Stage 1:
Service requirements

VHE
Stage 1:
Service requirements

other SA2 ad-hocs

SA2 (VHE/OSA)

VHE / OSA
Stage 2:
Architecture requirements

CN5 (OSA)

OSA
Stage 3:
protocols

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