3GPP TSG CN Plenary Meeting #18
4 - 6 December 2002, New Orleans, USA

NP-020533

TSG-CN WG5 (Open Service Access) Status Report

Reported by

Ard-Jan MOERDIJK
TSG-CN WG5 Chair

- **Achievements**
  - **technical**
  - **co-ordination with other groups**
- **Meetings**
  - **meeting overview**
  - **future meetings**
- **What CN5 would like to request from CN**
  - **Input documents overview**
  - **Rel-4 issues**
  - **Rel-5 issues**
  - **Rel-6 outlook**
- **Acknowledgements**

Rel-5 Status overview

The final work on Rel-5 was approved at the previous TSG plenary (CN#17, Biarritz, 09/2002).

Since then only relative small amount of CRs on very detailed level were submitted to CN5.

We believe the OSA specifications can be considered as mature and in order not to confront the developers' community with minor updated specifications every 3-months,

We have decided to bring our CRs to previous releases (e.g. Rel-5) than the release we are currently working on (i.e. Rel-6) only 2-times a year (each second TSG plenary, e.g. 03/2003 and 09/2003). This procedure is aligned with Parlay and ETSI as well.

Rel-6 Status overview

CN5 has been looking into the SA1 OSA Rel-6 requirements. Some clarification was found to be necessary and dialogue with SA1 was initiated.

For most of the requirements we believe interested companies can now contribute the stage 3 material.

Some input has already been discussed during the last 2 CN5 meetings since CN#17.

A GLOBAL INITIATIVE

- **Achievements**
  - **technical**
  - **co-ordination with other groups**
- **Meetings**
  - **meeting overview**
  - **future meetings**
- **What CN5 would like to request from CN**
  - **Input documents overview**
  - **Rel-4 issues**
  - **Rel-5 issues**
  - **Rel-6 outlook**
- **Acknowledgements**

outgoing Liaison Statements

- **6 outgoing LSs since CN#17 (see NP-020534)**

N5-020904	**LS from N5 to S1 : on Information Services**
N5-020906	**LS from N5 to S1 : on EnhancedUserNotification**
N5-020910	**LS from N5 to S1, S2 : on User Data management**
N5-020911	**LS from N5 to S1 : on Enhanced User privacy**
N5-020912	**LS from N5 to S1 : on IPSessionFUnction**
N5-021155	**LS from N5 to S1, S2 : on User Data Management requirements**

Co-ordination with T2/SA5 on MMS

- Around CN5 #15 in Cancun (11/2001) communication between T2 and CN5 regarding MMS.
- Joint session on MMS charging between T2 and SA5 during the SA5#30 meeting in Tampere where also CN5 was initially invited (08/2002).
- As the scope of the joint session was purely on network CDR information for MMS charging, CN5 invited interested parties from T2 and SA5 for another joint session on the overall MMS support for VASPs solution. Especially since we have a requirement on OSA support for MMS. This session has not taken place yet.

Eurescom P1110

Open Service Access: Advantages and opportunities in service provisioning on 3G Mobile Networks

http://www.eurescom.de/public/projects/P1100-series/P1110/default.asp

- Eurescom (24 European operators) concluded project P1110 on Parlay/OSA.
- Results / recommendations were fed-back.
  - Data view of the Parlay/OSA Framework.
  - Non functional aspects of Parlay / OSA.
  - Service Level Agreements.
- In 11/2002 the closing conference (OSA and Parlay @ work: Moving towards deployment) was held in Heidelberg

Co-ordination with 3GPP2

- **3GPP2 have installed a SWG for OSA in TSG-N.**

- **3GPP2 delegates now also participate in our meetings (most of them are from individual 3GPP member companies, others, very few, via 3GPP guest status).**
  A fruitful co-operation has started and delegates from 3GPP2 are expected to continue active participation in our meetings.

A GLOBAL INITIATIVE

- **Achievements**
  - **technical**
  - **co-ordination with other groups**
- **Meetings**
  - **meeting overview**
  - **future meetings**
- **What CN5 would like to request from CN**
  - **Input documents overview**
  - **Rel-4 issues**
  - **Rel-5 issues**
  - **Rel-6 outlook**
- **Acknowledgements**

Meetings

- **CN5 #20**
  - **23-27 September 2002 in Miami, FLORIDA, USA, hosted by NAF**
  - **Attended by 16 delegates**
  - **Report in NP-020535 (N5-020808)**
- **CN5 #21**
  - **28-31 October 2002 in Dublin, IRELAND, hosted by Parlay**
  - **Attended by 19 delegates (that officially registered; more in the meeting)**
  - **Report in NP-020536 (N5-0201007)**

Future meetings

Meeting	Date	Location	Host
CN5#22	**27-30 Jan 2003**	**Bangkok, THAILAND**	**Parlay**
CN5#23 (TBD)	**TBD or post-TSG#19**	**Sophia Antipolis (TBD)**	**ETSI (TBD)**
TSG#19	11-21 Mar 2003	Jersey Island, UK	UK Friends
CN5#23 (TBD)	**pre-TSG#19 or TBD**	**Sophia Antipolis (TBD)**	**ETSI (TBD)**
CN5#24	**19-23 May 2003**	**North America (TBD)**	**NAF/Parlay (TBD)**
TSG#20	10-19 Jun 2003	Hämeenlinna, FINLAND	NOKIA
CN5#25	**14-18 July 2003**	**San Francisco, USA**	**3GPP2**
CN5#26 (TBD)	**August 2003**	**Sophia Antipolis**	**ETSI**
TSG#21	16-25 Sep 2003	TBD, GERMANY	

- **Achievements**
  - **technical**
  - **co-ordination with other groups**
- **Meetings**
  - **meeting overview**
  - **future meetings**
- **What CN5 would like to request from CN**
  - **Input documents overview**
  - **Rel-4 issues**
  - **Rel-5 issues**
  - **Rel-6 outlook**
- **Acknowledgements**

TDoc #	Agenda	Tdoc Title
NP-020533	6.5.1	Chairman's report from CN5 (slide presentation)
NP-020534	6.5.1	LSs outgoing from CN5 between CN#17 and CN#18
NP-020535	6.5.1	Report of Meeting #20, Miami, FLORIDA, USA, 23 - 27 Sep 2002 (N5-020808)
NP-020536	6.5.1	Draft Report of CN5#21, Dublin, IRELAND, 28-31 Oct 2002 (N5-021007)
NP-020537	9.7	Updated Rel-6 Work Item Description for OSA Stage 3

- **Achievements**
  - **technical**
  - **co-ordination with other groups**
- **Meetings**
  - **meeting overview**
  - **future meetings**
- **What CN5 would like to request from CN**
  - **Input documents overview**
  - **Rel-4 issues**
  - **Rel-5 issues**
  - **Rel-6 outlook**
- **Acknowledgements**

- **Achievements**
  - **technical**
  - **co-ordination with other groups**
- **Meetings**
  - **meeting overview**
  - **future meetings**
- **What CN5 would like to request from CN**
  - **Input documents overview**
  - **Rel-4 issues**
  - **Rel-5 issues**
  - **Rel-6 outlook**
- **Acknowledgements**

- **Achievements**
  - **technical**
  - **co-ordination with other groups**
- **Meetings**
  - **meeting overview**
  - **future meetings**
- **What CN5 would like to request from CN**
  - **Input documents overview**
  - **Rel-4 issues**
  - **Rel-5 issues**
  - **Rel-6 outlook**
- **Acknowledgements**

Rel-6 Outlook

CN5 scope for Rel-6 according to SA1 OSA Reqs is:

1 **Retrieval of Visited Network capabilities**
2 **Access to IP Session information**
3 **Multi Media Messaging function**
4 **Generic network interface function**
5 **User Data Management / User data security management**
6 **Enhanced user privacy in LCS**
7 **Policy management extensions**
6 **Plus Rel-5 work moved by SA1/2 into Rel-6**
7 **New requirements added by SA1#18 (11/02) (subject of SA#18 approval)**

CN is invited to approve under Agenda item 9.7

NP-020537 Updated Rel-6 WID for OSA Stage 3

This still should be reflected in the SA1 OSA Rel-6 WID and the 3GPP Work Plan.

- **Achievements**
  - **technical**
  - **co-ordination with other groups**
- **Meetings**
  - **meeting overview**
  - **future meetings**
- **What CN5 would like to request from CN**
  - **Input documents overview**
  - **Rel-4 issues**
  - **Rel-5 issues**
  - **Rel-6 outlook**
- **Acknowledgements**

Background material

A GLOBAL INITIATIVE

What is the joint-API-group ?

The OSA-API specification is the result of a joint working group, holding co-located meetings, 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

A GLOBAL INITIATIVE

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/

joint-API-group

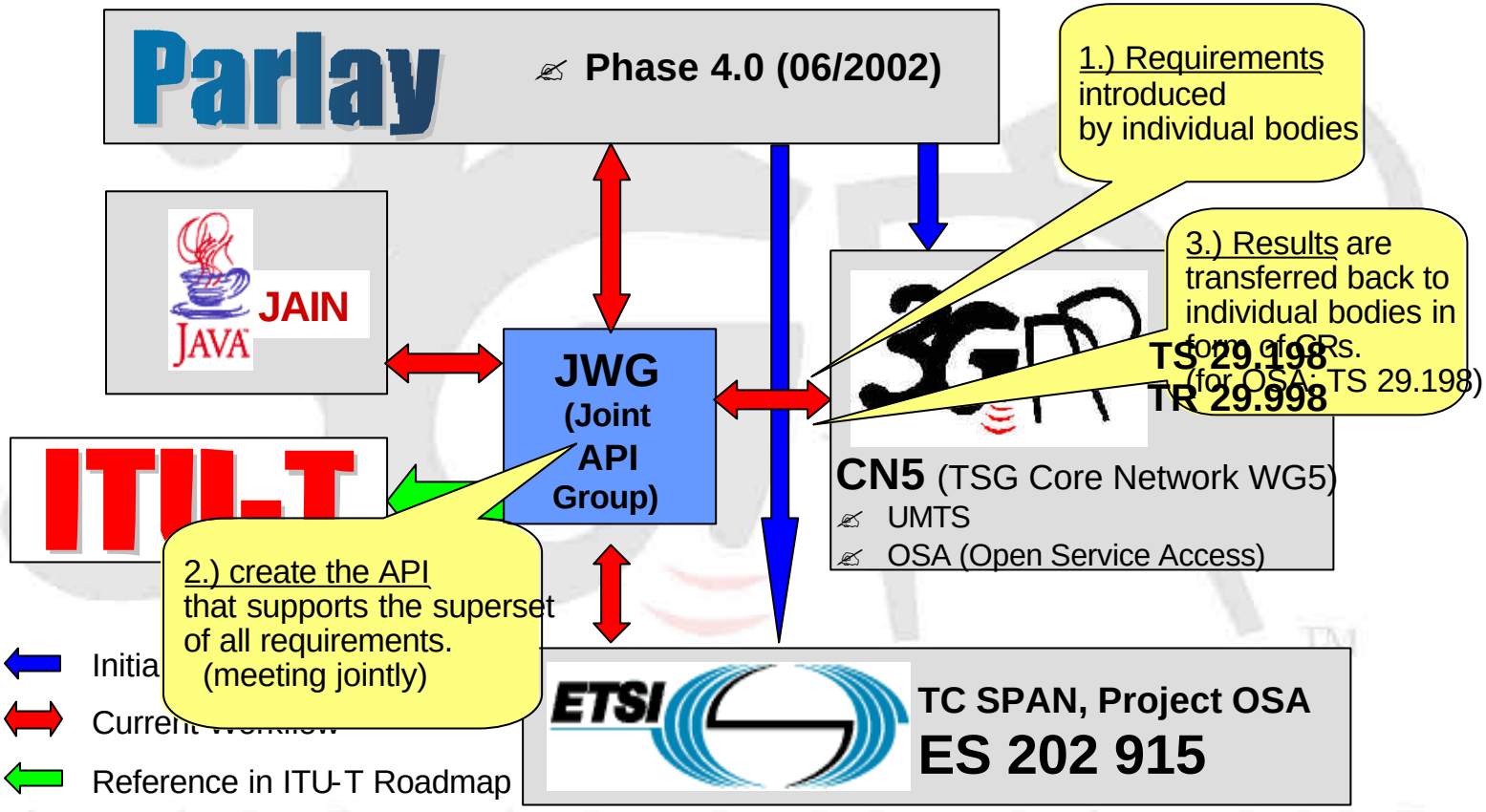
Officers

- **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

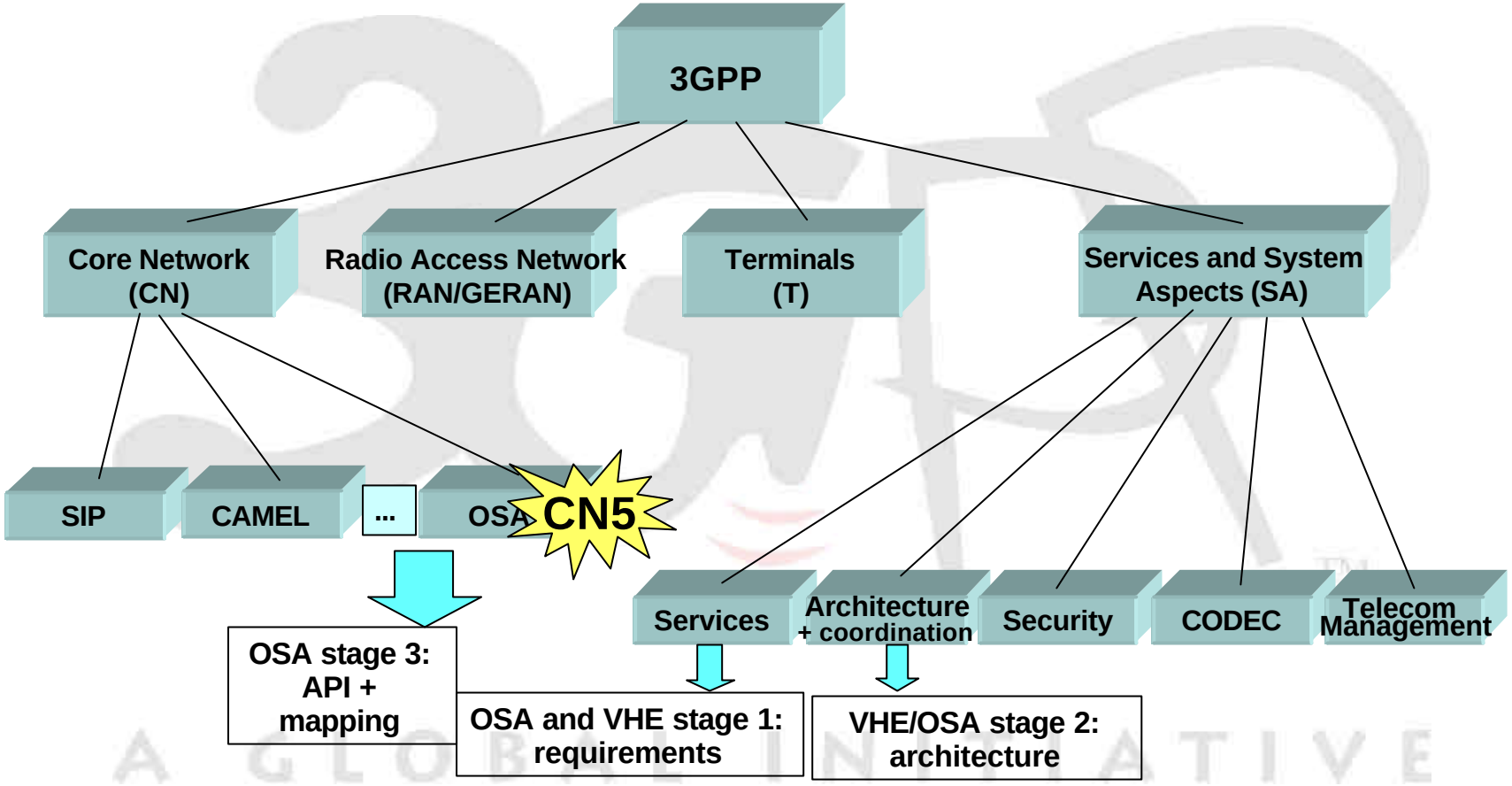
- **Methodology Expert – since 05/2000**
  Ultan MULLIGAN (ETSI PTCC)

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

Relation to Standardisation Bodies



OSA in the 3GPP organisation

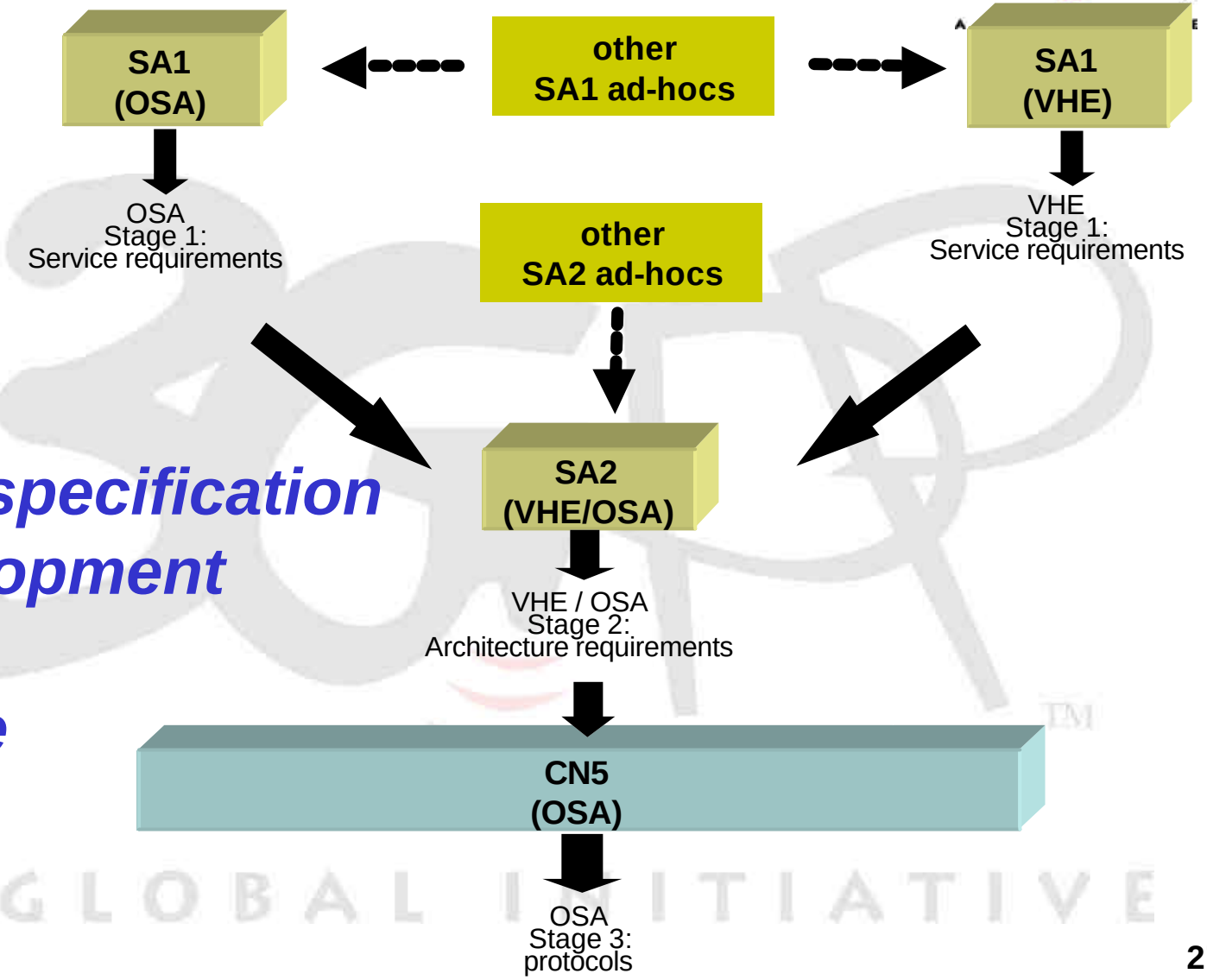


Requirements Flow

- **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**

A GLOBAL INITIATIVE

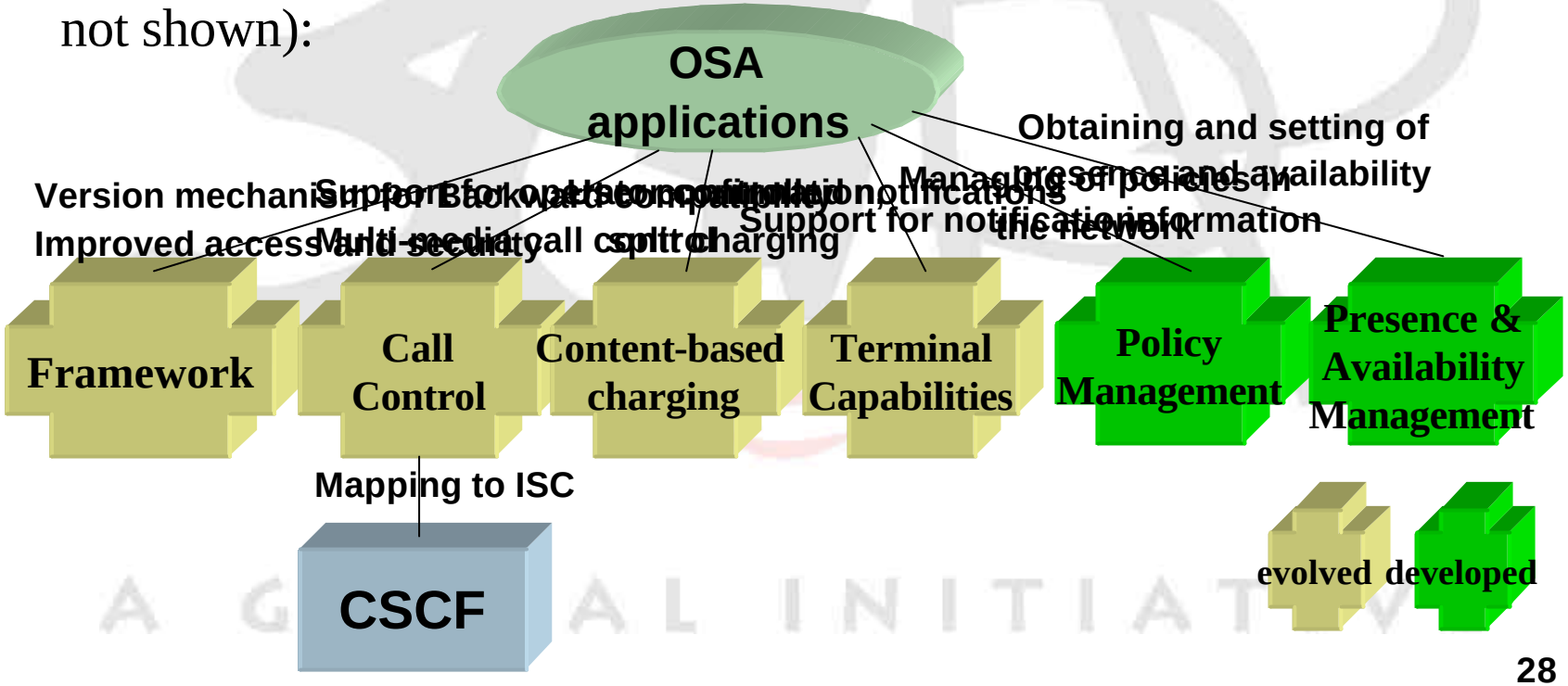
OSA specification development flow inside 3GPP

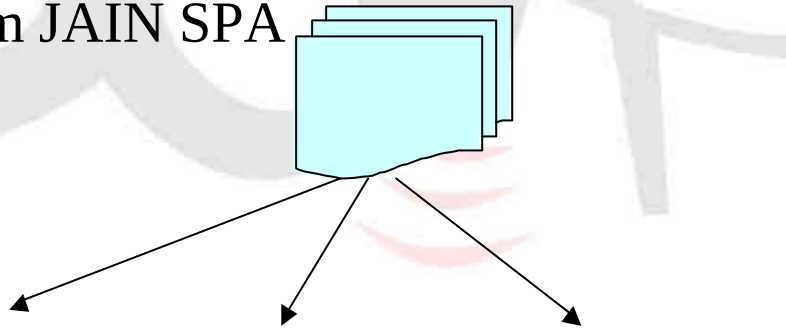


A GLOBAL INITIATIVE

What have we achieved in Rel-5 (1/2)?

Following SCFs have been evolved / developed in time frame for 3GPP Rel-5 / Parlay 4.0 (in addition to other already existing SCFs not shown):



What have we achieved in Rel-5 (2/2) ?

- OSA / Parlay APIs specified in UML
- UML model is used to generate all our specs
- Mapping to different distribution technologies :
  - OMG - IDL for CORBA
  - in Rel-5 also WSDL for HTTP / SOAP and references to Java APIs from JAIN SPA