

**3GPP/PCG#8 Meeting  
New Orleans, United States  
25 April 2002**

**3GPP/PCG#8(02)06**

9 April 2002  
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**Source: TSG CN Chairman**

**Title: TSG CN Management Report**

**Agenda item: 4.2**

**Document for:**

Decision	
Discussion	
Information	<b>X</b>

# CN Management Report

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## Topics for PCG Presentation

- Release '97, '98, '99, Release 4 Status
- Release 5 Status
- Release 6 Status
- CN Organization
- 2002 CN Meeting Schedule

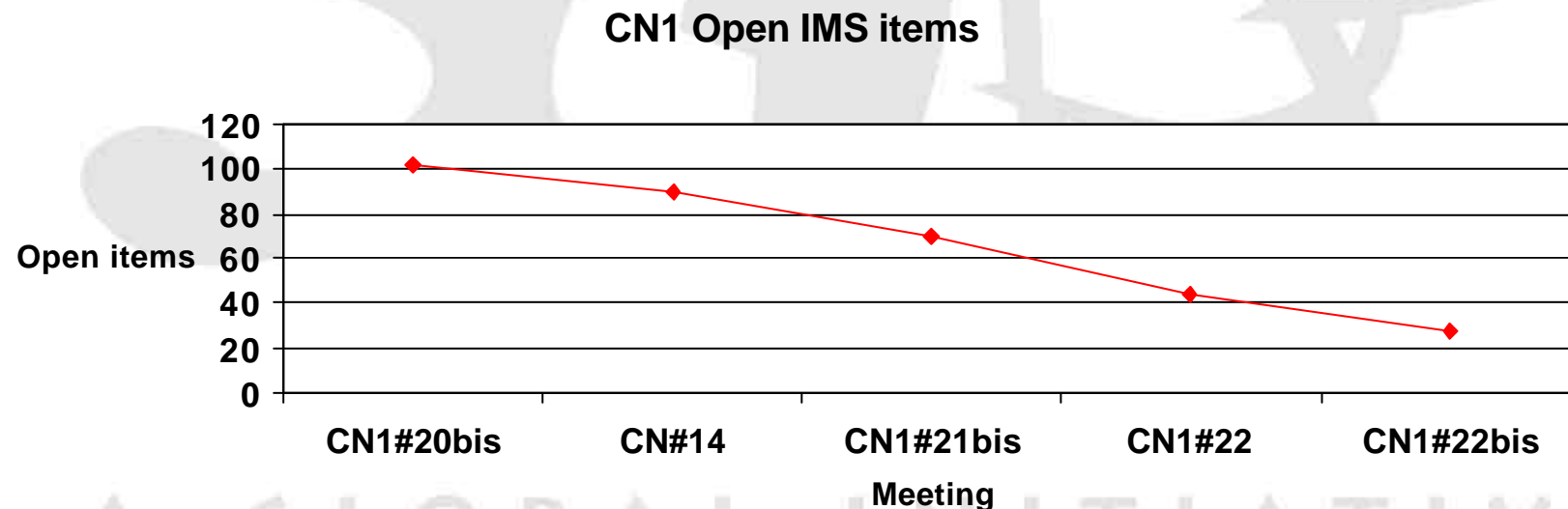
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## Release '97, '98, '99, 4 Status

- **CR level on earlier releases is low except for:**
  - CAMEL Phase 3 (will tighten CR acceptance criteria)
- **M3UA finally approved in IETF**
- **Removed specs from Rel'99**
  - 03.63, 04.63 (PDS)
- **Removed specs from Rel 4**
  - 23.814 out of date TR on classmark structure
  - 43.063, 44.063 (PDS)

## Release 5 Status Overview

- Most items expected to complete in June 02
- Considerable progress in IMS
- Initial dependencies from IETF approved



## Release 5 Status Overview (IMS).

Work Item (CN portion)	% cmplt	Date	Notes
Call Control in IMS	83%	Jun 02	
Access Security for IMS	0%	Jun 02	At Risk
End-to-End QoS	75%	Jun 02	
Cx I/f (HSS-CSCF)	80%	Jun 02	
Interworking – IMS <-> CS*	80%	Jun 02	In Rel5?
OSA for IMS	70%	Jun 02	
CAMEL for IMS	31%	Jun 02	At Risk

\*Not including parameter mapping

## Release 5 Status Overview (non-IMS).

Work Item (CN portion)	% cmplt	Date	Notes
<b>CAMEL Phase 4</b>	<b>80%</b>	<b>Jun 02</b>	
<b>OSA Enhancements</b>	<b>66%</b>	<b>Jun 02</b>	
<b>WB-AMR</b>	<b>95%</b>	<b>Jun 02</b>	
<b>Service Change &amp; UDI fallback</b>	<b>90%</b>	<b>Jun 02</b>	
<b>Security Enhancements</b>	<b>15%</b>	<b>Jun 02</b>	<b>At Risk</b>
<b>IuFlex (intra domain conn...</b>	<b>100%</b>	<b>Mar 02</b>	

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## Rel 5 Status by Work Item

- **IMS: Call Control in IMS**
  - Major open items:
    - Signalling Compression
    - Authentication and Key Transport
    - Integrity Protection
    - P-Headers
  - Plan with IETF to provide necessary deliverables (bundles of RFCs)
    - Bundles 0-1 delivered
    - Bundles 2-3 under negotiation
  - 23.218 completed
  - 24.228 and 24.229 put under change control



## Rel 5 Status by Work Item

- **IMS: Access Security for IMS**
  - Solution selected based on IPSec
- **IMS: End-to-End QoS**
  - Decision to use COPS-PR reconfirmed
  - PIB definition underway

## Rel 5 Status by Work Item

- **IMS: Interworking IMS <-> CS**
  - Interworking Architecture specified
  - Interworking flows specified
  - Parameter mapping **NOT** specified
    - Awaiting ITU-T references (not completed until Nov 02)
      - ITU-T Q.1912.SIP (SIP to BICC / ISUP interworking)
      - ITU-T Q.2150.3 (SCTP)
  - Interworking with mapping moved to Rel 6
  - Does not preclude interworking

## Rel 5 Status by Work Item

- **IMS: OSA interworking**
  - Mapping now to ISC (not vanilla SIP)
- **IMS: CAMEL interworking**
  - Stage 2 for CAMEL control of IMS (23.278) 60% complete
  - Stage 2 for information transfer between HSS & IM-SSF 15% complete.
  - Views in CN are divided on whether this work can be completed by June.

## Rel 5 Status by Work Item

- **CAMEL Phase 4**
  - **Completed:**
    - Interactions with Optimal Routing
    - CAMEL control over MT SMS
    - Provision of location information of called subscriber
    - Inclusion of ODB data in the CSE-HLR interface
    - Inclusion of flexible tone injection: CPH interaction is FFS
  - **80% or more complete, expected completion in June:**
    - Call Party Handling
    - Notification of GPRS mobility management to CSE
    - Location information during an ongoing call
    - GPRS Any Time Interrogation
    - Mid call procedure for MO and MT calls
  - **New functionality agreed at SA#15:**
    - Transfer of the IMEI (with SW version) to the CSE (60%)
    - Functional Subsetting (CN2 to study, no problems expected)

## Rel 5 Status by Work Item

- **OSA Enhancements**

- Framework : 65 % (SA3 dialogue)
- Generic User Interaction : 65 %
- Charging : 95% (work ready, CR in 06/2002)
- Policy Management : 95% (work ready, CR in 06/2002)
- Presence & Availability Management : 90% (work ready subset for 3GPP needs still to be created and reviewed, CR in 06/2002)
- Call Control mapping to ISC : 70%
- WSDL APIs for HTTP/SOAP transport : 90% (automatic mapping rules from UML created, WSDL APIs generated, CRs need to be produced)
- Journaling : 0%, clarification from SA1 requested
- Retrieval of Network Capabilities : 10%, clarification from SA1 pending

## Rel 5 Status by Work Item

- **WB-AMR (CN Aspects)**
  - **Open issues:**
    - **Codec selection and GSM-UTRAN interworking almost completed (June 2002)**
    - **TFO and TrFO signalling almost completed (June 2002)**
    - **Lawful interception on-going, pending on SA3-LI work (June 2002)**
- **Service Change and UDI Fallback**
  - **Open issues:**
    - **Interworking with ISUP (requested by SA1) (June 2002)**
    - **Clarification of handling of pre-99 mobiles (June 2002)**

## Rel 5 Status by Work Item

- **Security Enhancements**
  - Stage 3 for MAP Key Distribution
    - Requirements clarifications needed from SA3
  - Network Domain Security for GTP
    - Requirements clarifications needed from SA3
- **Intra Domain Connection of RAN Nodes to Multiple CN Nodes**
  - Completed!

## Release 6 Status Overview

Work Item (CN portion)	% cmplt	Date	Notes
Interworking – IMS <-> IP	52%	Mar 03	
Interworking – IMS <-> CS*	80%	Dec 02	
Presence	5%	Sept 02	

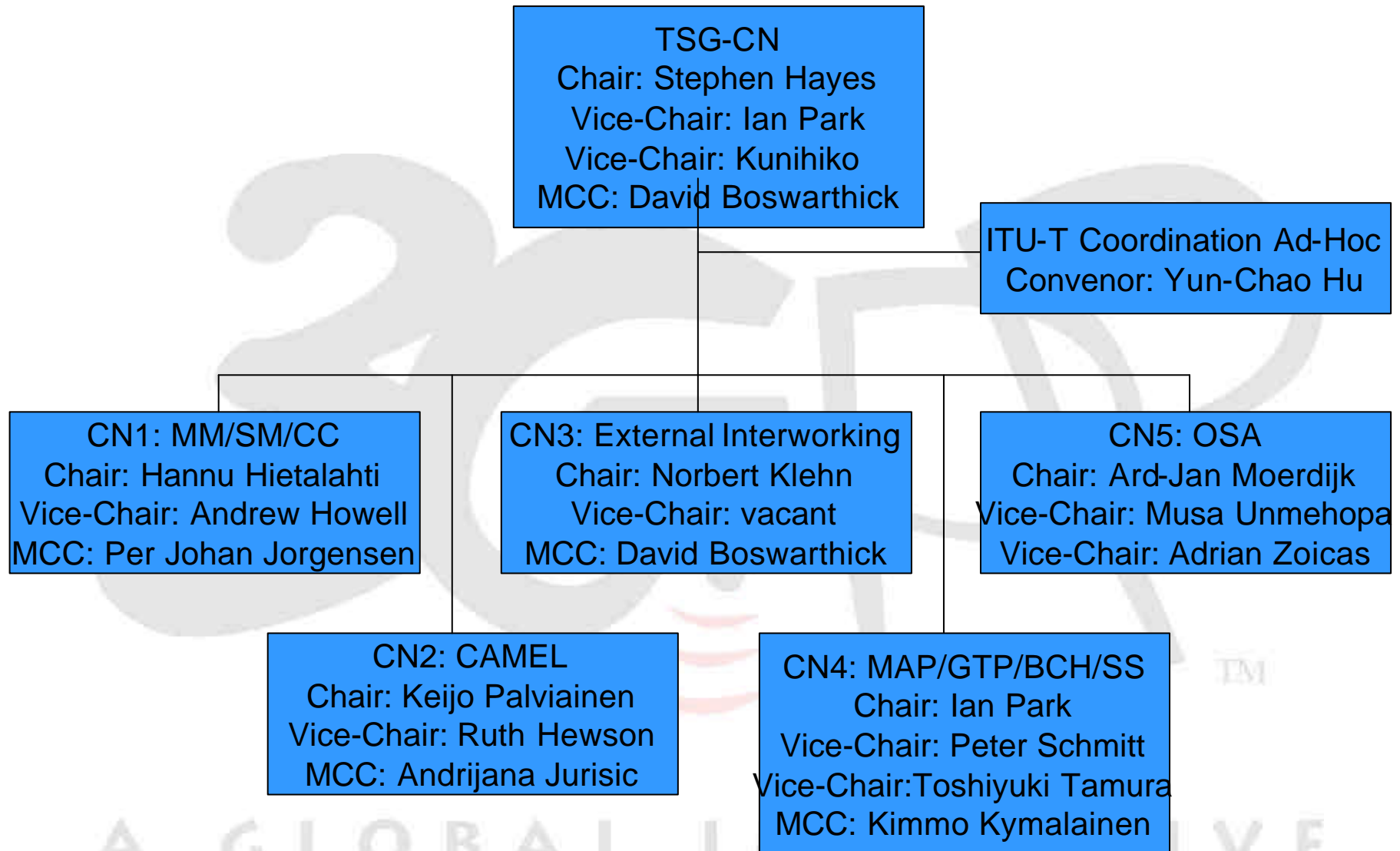
\*Including parameter mapping



## Rel 6 Status by Work Item

- **IMS: Interworking IMS <-> IP**
  - Expected Output in March 03
  - Must wait for solidity with IMS profile
  - Location of interworking control under discussion in SA2
  - Request by SA2 to hold off on IPv6 issues
  - Does not prevent proprietary interworking solutions
- **IMS: Interworking IMS<-> CS**
  - Includes parameter mapping
- **Presence**
  - Simple to develop, based upon IMS

# CN Organization



## 2002 CN Meeting Schedule

28 Jan.- 01 Feb 2002	CN WGs (Sophia, France)
6-8 Mar. 2002	CN #15 (Cheju, Korea)
8-12 Apr. 2002	CN WGs (Ft. Lauderdale, USA)
13-17 May 2002	CN WGs (Budapest, Hungary)
5-7 Jun. 2002	CN #16 (Marco Island, USA)
29 Jul. – 2 Aug. 2002	CN WGs (Helsinki, Finland)
4-6 Sep. 2002	CN #17 (Biarritz, France)
23-27 Sep. 2002	CN WGs (USA)
11-15 Nov. 2002	CN WGs (Thailand)
4-6 Dec. 2002	CN #18 (New Orleans, USA)

\*Bis and drafting meetings not shown. Non-collocated CN5 meetings not shown.