

SP-020148



Status Report from CN#15

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Topics for SA Presentation

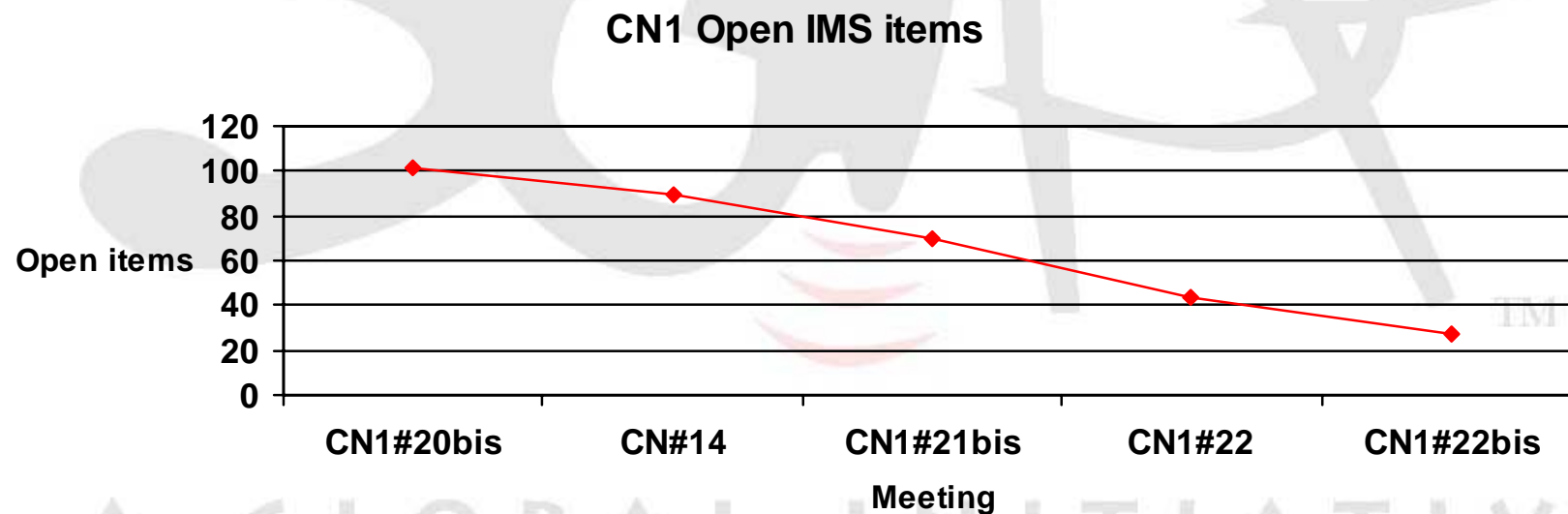
- Release '97, '98, '99, 4 Status
- Release 5 Status Overview
- Release 5 Status by Work Item
- Questions for Guidance by TSG-SA
- 2002 CN Meeting Schedule

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**
 - 23.108 out of date call flow examples from 24.008
 - 23.814 out of date TR on classmark structure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	
Interworking – IMS <-> IP	52%	Mar 03	In Rel5?
Interworking – IMS <-> CS	80%	Dec 02	In Rel5?
OSA for IMS	70%	Jun 02	
CAMEL for IMS	31%	Jun 02	At Risk

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Release 5 Status Overview (non-IMS).

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

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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
 - 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**
 - Desperately need decision by SA3 on integrity protection
- **IMS: End-to-End QoS**
 - Decision to use COPS-PR reconfirmed
 - PIB definition underway

Rel 5 Status by Work Item

- **IMS: Interworking IMS <-> IP**
 - **Expected Output in March 03**
 - Still in Rel 5?
 - Does not prevent proprietary interworking solutions
 - **Must wait for solidity with IMS profile**
 - **Location of interworking control under discussion in SA2**
 - **Request by SA2 to hold off on IPv6 issues**

Rel 5 Status by Work Item

- **IMS: Interworking IMS <-> CS**
 - **Expected Output in Dec 02**
 - Still in Rel 5?
 - Does not prevent proprietary interworking solutions
 - **CN work mostly complete**
 - **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)

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!**

Questions for Guidance from SA

- **CN Requests exceptions to June for those items on slides 5-6 (with June Dates)**
- **Should Wis with large slippages remain in Rel5?**
 - IMS to IP interworking (March 03)
 - IMS to CS interworking (Dec 02)
- **CN Requests that a SA3 meeting be held co-located with April 8-12, CN WG meetings**
 - Mandated to make decision on IMS integrity protection
 - Requirements clarification needed on:
 - rejection of unciphered connections
 - MAP key distribution
 - Protection of GTP signalling
 - LI for WB-AMR?

Questions for Guidance from SA

- **Should delayed Rel 5 items be given priority over Rel 6?**
- **Reminder that communications to ITU-T should go through individual members**

2002 CN Meeting Schedule

28 Jan.- 01 Feb 2002	CN WGs
6-8 Mar. 2002	CN #15 (Korea)
8-12 Apr. 2002	CN WGs
13-17 May 2002	CN WGs
5-7 Jun. 2002	CN #16 (Florida, USA)
29 Jul. – 2 Aug. 2002	CN WGs
4-6 Sep. 2002	CN #17 (France)
23-27 Sep. 2002	CN WGs
11-15 Nov. 2002	CN WGs
4-6 Dec. 2002	CN #18 (New Orleans)

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