Last TSG T WG1
Status Report to T#27
9th – 11th March 2005
Tokyo, Japan

Phil Brown, NTT DoCoMo

T1 Chair

Stoyan Baev, MCC

T1 Secretary

TP-050030

General update since – T#26

- T1#26 was held in Bangalore India, hosted by Sasken Communications 31 Jan – 4 Feb 05 attended by 60 delegates
- Maintained good pace of TTCN test case approvals; 30 more TTCN test cases have been T1 approved @ 2 Mar 05 with another 9 undergoing email approval
- First 11 tests in WI-012 have been verified (extended R99 coverage);
- Qualcomm providing additional resources to complete TTCN coding requirements for A-GPS work item (WI-015)
- RRM tests still 94% complete but RF tests are 95% complete overall
- Band V work item completed by the RF Group

The draft report of T1#26 found in TP-050031 for information

T1 Leadership Team

T1 Chair   Phil Brown, NTT DoCoMo
T1 Vice Chairs   Dan Fox, Anritsu
                                  Hisashi Nakagomi, NTT DoCoMo

RF Functional Area
   Convener: Carolyn Taylor, Motorola
    Assistant: Mike Page-Jones, Siemens AG
Sig Functional Area
   Convener: Dan Fox, Anritsu
    Assistant: Kazuo Hayashi, Panasonic PMC
ETSI Support   Stoyan Baev

WG Elections to be held at RAN5 #27 for Chair and 2 Vice Chairs
Intention is to have the new Vice Chairs convene the functional areas

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RF Group Update

- **Main topics to be covered:**
  - RRM Progress
  - UMTS 850 MHz Band V Progress
  - Routine Maintenance
  - Status of RF specifications
  - Versions of RF specifications
  - GCF targets for RF groups
  - HSDPA: see slide in Signalling section
  - A-GPS: see slide in Signalling section

RRM Progress

- The overall completion of RRM tests is approximately 94% of the initial GCF hi prio tests (GCF WI-010)
- There has been good progress on outstanding RRM test cases
  - 1 more RRM test have been completed
  - 1 outstanding test due to core spec clarifications needed
  - GCF informed of progress

RRM Tests	After T1 #25	~Projected T1#26	After T1#26
GCF group 1 (8 tests)	8/8 (100%)	8/8 (100%)	8/8 (100%)
GCF group 2 (35 tests)	33/35 (94%)	35/35 (100%)	33/35 (94%)

UMTS 850 MHz (Band V)

- 1 CR to test frequencies for 850 MHz band V in TS 34.108
- CRs to TS 34.121
  - 1 CR to introduce 850 MHz band V to RRM test cases
  - 1 CR to re-structure multi-path fading propagation conditions to include 850 MHz band V
- This work item is now 100% complete

Routine Maintenance

- Follow up database maintained by Nokia
- Provides assistance in tracking the changes to core specs not covered by relevant test specification CRs
- Updates made in accordance with the latest core specifications

Status of RF Specifications

- **TS 34.121**
  - Sect 5 100%
  - Sect 6 100%
  - Sect 7 100%
  - Sect 8 (RRM) 94 %

- **TS 34.122**
  - Sect 5 90%
  - Sect 6 90%
  - Sect 7 85%
  - Sect 8 (RRM) nil
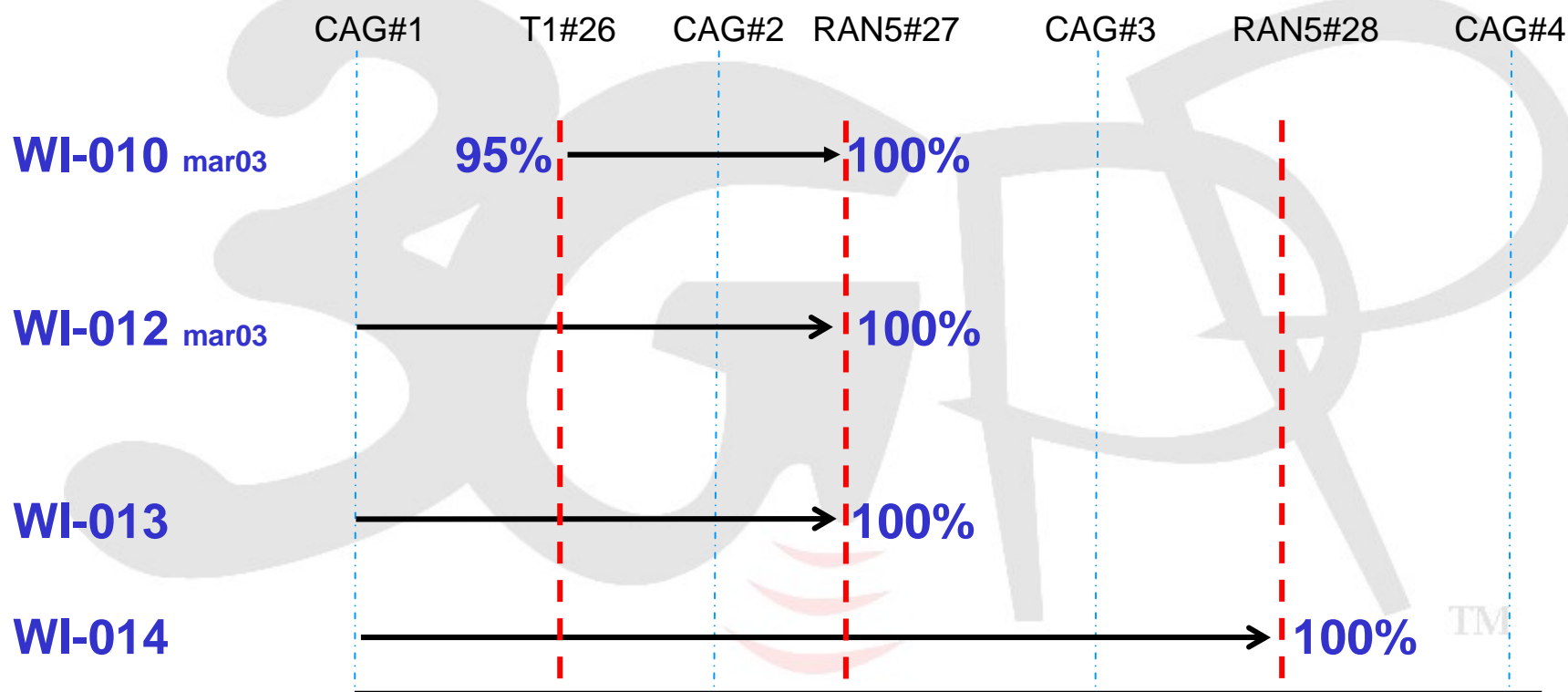
Versions of RF Specs

	Current	*For Approval*
TS 34.121	5.6.0	6.0.0

CRs for 34.121 (Rel 6), presented in TP-050033 for approval

GCF Targets for RF Group

	CAG#1	T1#26	CAG#2	RAN5#27	CAG#3	RAN5#28	CAG#4
WI-010 mar03		95%	→	100%			
WI-012 mar03			→	100%			
WI-013			→	100%			
WI-014						→ 100%	

RAN5 meeting dates		25/04		22/08	
GCF meeting dates	18/04		04/07		24/10

Signalling Group Update

- TS 34.108 Common Test Environment for UE Conformance Tests
- TS 34.123 – 1 Prose test specifications
- TS 34.123 – 2 Applicability Statement
- TS 34.123 – 3 TTCN Test Specification
- HSDPA Update
- A GPS Update
- LCR TDD Update
- General TTCN Update

TS 34.108

- Now quite stable, only 17 CRs including:
  - 5 minor corrections
  - 3 HSDPA
  - 1 A-GPS
  - 6 TDD
  - 1 Band V
  - 1 RF generic call set up
- Discussion over whether to use SF128 or SF256 for low bit-rate AMR RABs:
  - Seems both will be used in different networks depending on the need to trade off capacity for signalling delay
  - T1 has chosen SF256 for the 5.9 kbps AMR RAB
  - LS sent to RAN2 asking if there is a need to add the alternative with SF128 to TR25.993.

CRs for 34.108 Rel-5 are presented in TP-050032 for approval

TS 34.123 – 1

- 95 CRs in total
- Only 11 affecting the TTCN for high priority (WI-10) test cases
- 5 with TTCN impact in WI-12
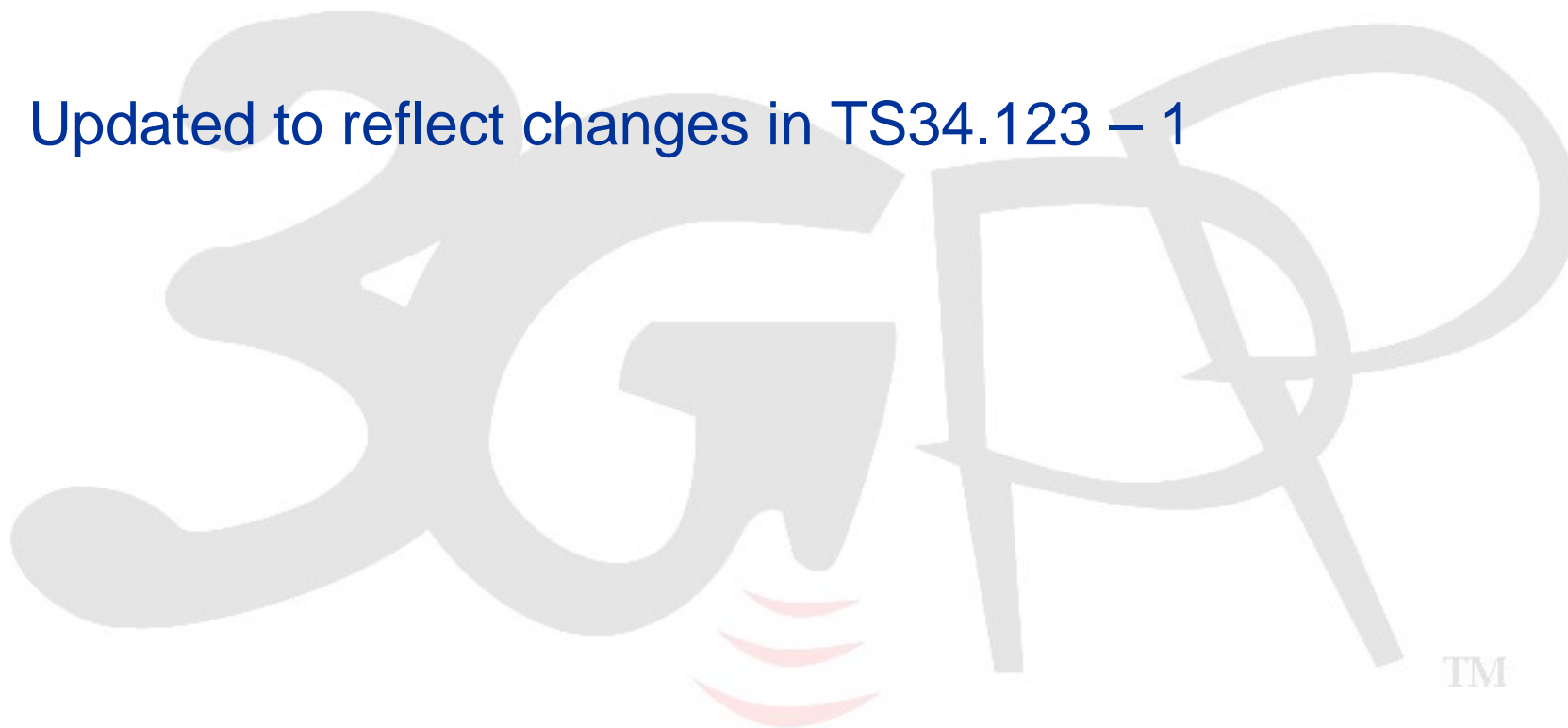- 12 for HSDPA (2 new test cases)
- 3 for A-GPS (all corrections)

- T1 restated the general principle not to specify values in the prose where the values are not relevant to the test purpose, or to keep the test case in line with real network implementations
  - This gives more flexibility to the TTCN writers, and
  - Reduces the work-load processing CRs to align the prose and TTCN
- A small number of these have crept into the spec. Some were removed at this meeting, and actions created to remove the rest at R5#27.

CRs for TS 34.123-1 are presented in TP-050034 for approval

TS34.123 – 2

Updated to reflect changes in TS34.123 – 1

CRs for TS 34.123-2 are presented in TP-050035 for approval

TS34.123 – 3 (TTCN)

CRs for 34.123-3 are presented in TP-050036, TP-050037, TP-050039, TP-050040 and TP-050041 for approval

Status @ 2 Mar 05

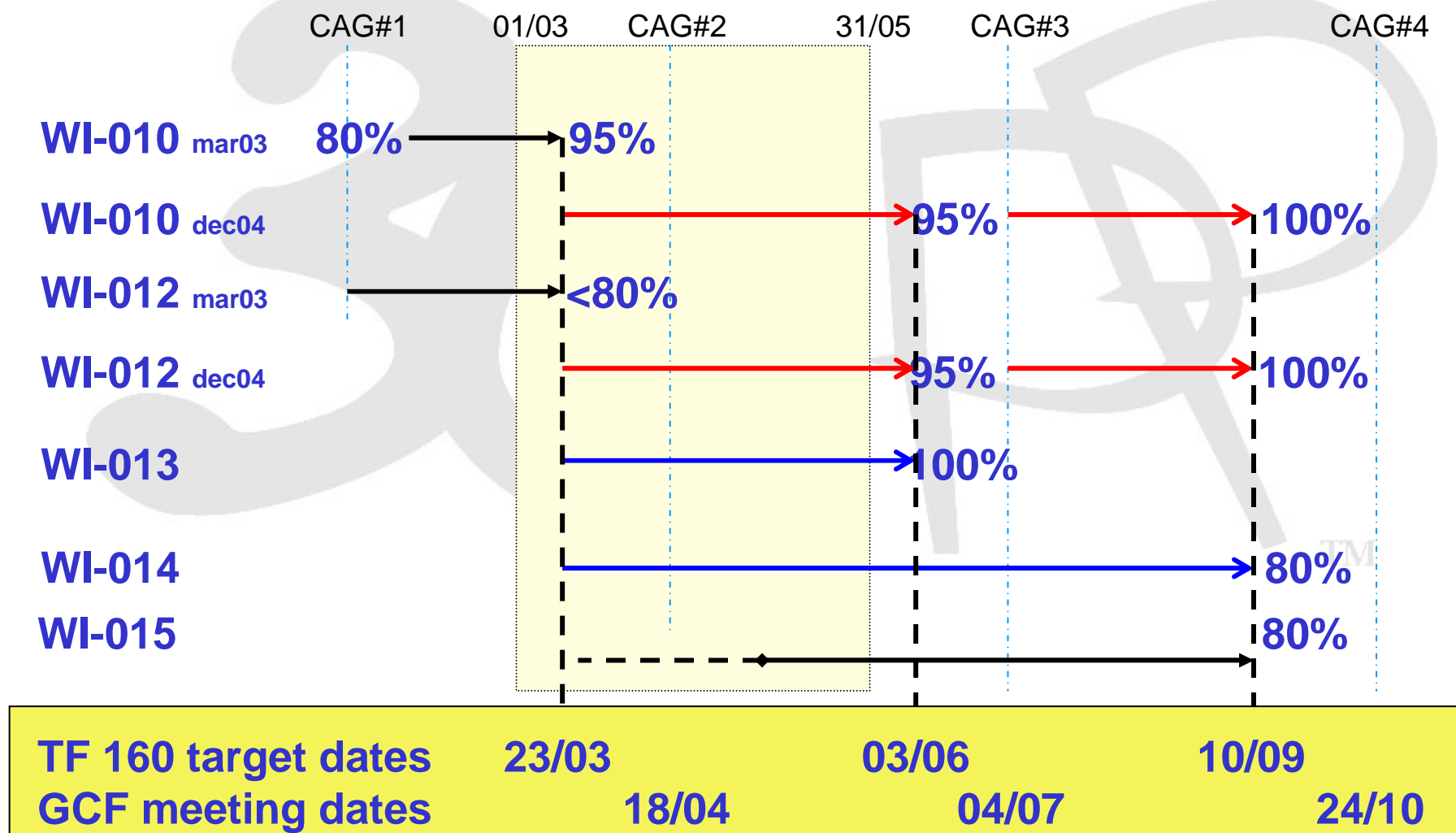|	At T #26	Now
WI-010 Batch 1	94	96 (97%)
WI-010 Batch 2	84	87 (93%)
WI-010 Batch 3	82	83 (89%)
WI-010 Batch 4	72	85 (89%)
WI 012	nil	11 (28%)

There are 2 more test case in batch 4 and 7 more tests in WI-012 pending approval. 12 more tests needed to reach 95% overall completion of WI-010 i.e in batches 1 to 4 (currently 92% verified).

TS 34.123-3 to version 5.0.0

The TF 160 report is provided in TP-050042

GCF Targets for TF 160 showing baseline transition phase

	CAG#1	01/03	CAG#2	31/05	CAG#3	CAG#4
WI-010 mar03	80%	→	95%			
WI-010 dec04					95%	100%
WI-012 mar03	→		<80%			
WI-012 dec04					95%	100%
WI-013				100%		
WI-014						80%
WI-015						80%

TF 160 target dates	23/03		03/06	10/09
GCF meeting dates		18/04		04/07	24/10

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HSDPA Progress

- HSDPA protocol tests now 100% completed (was 82% at T1#25)
    - 55 out of 55 planned test cases ready
    - 7 new test cases introduced at T1#26 (4 RRC and 3 test cases for HSDPA radio bearer combinations)
- HSDPA RF FDD tests now 60% completed (was 87% at T1#25)
    - 7 out of 13 planned test cases ready
    - Drop in completeness from T1#25 due to 5 new RF test cases identified since T1#25 (4 transmitter + 1 RRM test cases)
- HSDPA RF TDD
    - No contributions at T1#26
- HSDPA work plan in T1-050481

A-GPS Progress

- **Signalling (TS 34.123)**
  - Suitable GPS scenario and assistance data for use in tests defined in TS 34.108
  - Definition of all 21 test cases now complete in TS 34.123-1
  - TTCN test implementation due to start in Feb 05
- **RF (TS 34.171)**
  - Work on all 6 tests estimated 70% complete (was 50% at T1 #25)
  - Issue of excessive test times raised. LS sent to RAN4 with suggestions for changes to core spec.
  - Plan to complete by RAN5 #27
  - Version 1.1.0 of TS 34.171 available in T1-050340

LCR TDD

- 197 test cases have been coded in 2004 and the task for 2004 has been achieved.

- The coding for another 200 TCs will be completed in 2005 based on the 3GPP funding (16mm) and voluntary funding(17mm) from CCSA/TDIA.

- Milestone for completion of TTCN coding for the TDIA Prioritised TC by 25 Nov 05

- CCSA/TDIA experts will restart in March along side TF 160.

- Baseline in use is Rel 4, March 03 (unchanged)

New Rel 6 Work Item

- Network sharing UE tests

- In Rel 6 network sharing partners will be able to broadcast multiple PLMN identities on one UMTS carrier

- The UE behaviour for the PLMN selection, cell selection and cell re-selection will have to be modified.

- The WI is introduced by TeliaSonera to cover the conformance test aspects of the UE mandatory functionality

Proposal to be presented in TP-050043 for approval

Outcome of T1 Chair's last 3 Month Aspirations

Support to GCF for TTCN verified test cases

Deliver minimum 95% of package 1 by early Mar 05   97%

Deliver minimum 95% of package 2 by early Mar 05   93%

Deliver minimum 90% of package 3 by early Mar 05   89%

Deliver minimum 90% of package 4 by early Mar 05   89%

Prepare minimum 90% of GCF WI 012 by early Mar 05

Complete and verification status currently 28%

Start Rel 5 regression testing for packages 1 to 4:

WI-010 new baseline regression testing starts mid March

Support to GCF for additional FDD RF test cases

Deliver 50% of all tests by early Mar 05:   70%

LCR TDD TTCN

220 test cases to be developed by early Mar 05 by TDIA:

197 coded, work scheduled to re-start in Mar 05

The Way Ahead – T1 Chair's next 3 Month Aspirations

- **Support to GCF for TTCN verified test cases**
  - WI-010 new baseline deliver minimum 95% by early Jun 05
  - WI-012 new baseline deliver minimum 95% by early Jun 05
  - WI-013 deliver 100 % by early Jun 05
  - WI-014 deliver minimum 50% by early Jun 05
  - WI-015 deliver minimum 30% by early Jun 05
- **Support to GCF for FDD test cases**
  - Complete specs for WI-010, WI-012 & WI-013 by early Jun 05
  - Complete minimum 70% of specs for WI-014 by early Jun 05
- **Support to TDIA (LCR TDD TTCN)**
  - 280 test cases to be developed by early Jun 05

RAN5 Meeting
Schedule for 2005

Meeting	Dates	Location/Host
RAN5 #27	25 – 29 Apr 05	Bath, England Aeroflex
RAN5 #28	22 – 26 Aug 05	Berlin, Germany ETS
RAN5 #29	7 – 11 Nov 05 (to be confirmed)	Co-location with RAN WGs (Asia)

Summary of Input Docs

- T1 Status Report   TP-050030 Presentation
- Minutes of T1#26   TP-050031 Information
- MCC TF 160 Report   TP-050042 Approval
- CRs to 34.108   TP-050032 Approval
- CRs to 34.121   TP-050033 Approval
- CRs to 34.123-1   TP-050034 Approval
- CRs to 34.123-2   TP-050035 Approval
- CRs to 34.123-3 (Prose part not Annex A) TP-050036 Approval
- CRs to 34.123-3 (Prose part in Annex A)   TP-050037 Approval
- CRs to 34.123-3   TP-050039 Approval
- CRs to 34.123-3   TP-050040 Approval
- CRs to 34.123-3   TP-050041 Approval
- Work Item Network sharing tests   TP-050043 Approval
- Work Item general update   TP-050044 Information

Thank you