

TSG-AC – Access Network & Air Interfaces
(Approved) 11-15 March 2013 Meeting Summary
The Westin Chosun, Busan, South Korea

1 **1. Call to Order & Opening Remarks**

2 The meeting was opened on 11 March 2013 by the Chair, Dr. Edward Tiedemann (Qualcomm)
3 and began at 8:53am local Busan time. Participants were reminded that attendance is taken
4 electronically (tsgac.3gpp2.net) and asked to sign in accordingly.

5 **2. Attendance Registration & Roll Call**

6 Quorum was achieved as twelve (12) of the seventeen (17) quorum members were present
7 (75% participation). There were no proxies noted at this meeting.

8 **3. Introduction & Numbering of Contributions (AC00-20130311-000r1, AC00-20130311-050)**

9 Document AC00-20130311-050, the new meeting room assignment format was reviewed. It
10 was noted that any joint meetings should be included. Participants were reminded to forward
11 joint meeting information to the Secretariat for inclusion.

12 **Decision AC-2013/03-01**

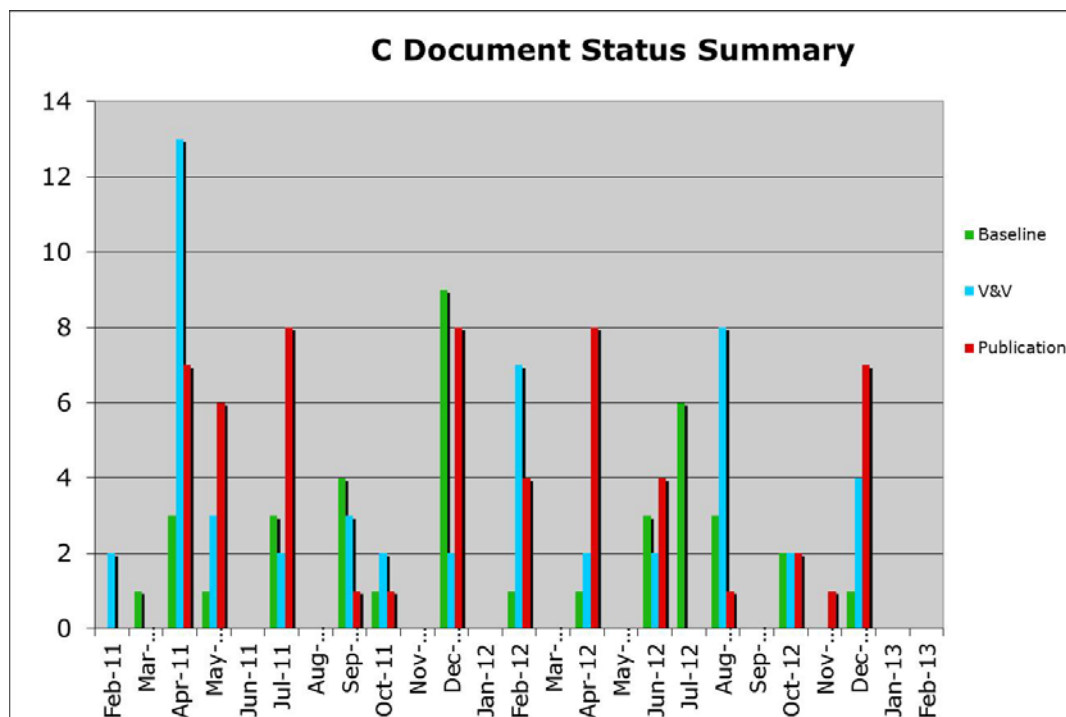
13 The meeting room assignments will have a fixed/permanent contribution number (-005)
14 moving forward.

15 Contributions were uploaded to the 3GPP2 server and noted on the document register (AC00-
16 20130311-000r1).

17 The following meeting details and additional activities for the week were noted:

- 18 ➤ WG1 meetings will start on Monday at 2:00 PM (Tulip)
- 19 ➤ WG2 meetings will start on Monday at 2:00 PM in the plenary room (Orchid)
- 20 ➤ Jing Sun will chair WG3 in the absence of Sang Kim
- 21 ➤ WG3 meetings will start on Tuesday at 9:00 PM (Violet, the office)
- 22 ➤ WG4 will meet at 9 AM in Korea time on Thursday (Violet, the office)
- 23 ➤ WG5 meeting will start on Monday at 1:30 PM (Rose)
- 24 ➤ Wednesday at 8:30 -10:30 AM, WG5 has a joint meeting with PDS on M2M in TSG-AC
25 WG5 room (Rose)
- 26 ➤ The ITU activities will be on Tuesday at 10:30 AM in conjunction with WG3
- 27 ➤ The Workshop Planning Ad Hoc will meeting on Tuesday at 5:00 PM in the Orchid Room
- 28 ➤ TSG-AC closing plenary will be held at 8:30 AM on Friday morning (Orchid)
- 29 ➤ PMT will meet at 4 PM Monday in the 3GPP2 office (Violet)

30 The Chair noted the following progress regarding the processing of TSG-AC documents:



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4. Agenda Approval (AC00-20130311-001r2)

Decision AC-2013/03-02

The agenda presented in AC00-20130311-001r2 was approved.

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5. Assignment of Contributions to Agenda Items (AC00-20130311-001r2)

Contributions were assigned to agenda items as noted on the agenda.

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6. Approval of December 2012 Meeting Summaries (AC00-20130311-002, AC00-20130311-025)

Decision AC-2013/03-03

TSG-AC approved the 11 December 2012 TSG-C meeting summary presented in AC00-20130311-002.

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Decision AC-2013/03-04

TSG-AC approved the 11 December 2012 TSG-A meeting summary presented in AC00-20130311-025.

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7. Review of Outstanding Action Items (AC00-20130311-002)

The outstanding assignments, as listed in AC00-20130311-002, were reviewed.

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120416-02 A call for volunteers has been issued for persons who are interested in serving as the TSG-AC WG1 Vice-Chair.

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121210-01 The following action plan related to Battery Benchmarking was agreed:

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- 1 ➤ Asif Hamidullah (CCF) will help to arrange a call with John Bulger (AT&T) and John
2 Sargent (CTIA) to discuss CTIA's role and how 3GPP2 might work with them. The call
3 will be informal discussion which is open to all TSG-C/TSG-AC participants. Most
4 likely, this call will be scheduled for early in January 2013.
- 5 ➤ The proposed WI (C00-20121015-043) will be CARRIED FORWARD to the next
6 meeting pending the outcome of the discussions with CTIA.
- 7 ➤ Contributions may be submitted to TSG-C/TSG-AC WG3 to begin technical
8 deliberations.
- 9 ➤ WG3 will take the lead in these discussions. This does not preclude discussions in
10 other WGs. WG3 may also ask other WGs to handle various aspects of this
11 discussion.

12 This action item is now CLOSED.

- 13 121210-02 TSG-AC to develop its Scope/ToRs for approval by the SC by the March 2013
14 SC/OP meeting in Busan, Korea.
- 15 121210-03 WG2 must develop text for the 3GPP2 website which shows the succession of
16 C.S0017 documents and provides the mapping to their TIA transposed version no
17 later than the March 2013 meeting.

18 **8. Liaison Reports**

19 8.1 Organizational Partners

20 None

21 8.2 Steering Committee

22 None

23 8.3 SC PMT

24 AC00-20130311-023, the 9 January 2013 PMT Meeting Summary was reviewed and highlights
25 were noted. The document is FYI.

26 **Decision AC-2013/03-05**

27 AC00-20130311-024, an update to the Work Item Worksheet Template (v7.0), is to be used for
28 all new work items. All pending work items should be transferred to the new template.

29 **Action AC-2013/03-01**

30 AC00-20130311-026, Correspondence from the PMT Coordinator initiating TSG review of four
31 (4) work item worksheets, was remanded to all WGs for review and comment. Comments are
32 to be provided to WG1 by Tuesday, 12 March 2013. Members were also welcomed to provide
33 their comments to one of the scheduled PMT sessions.

34 AC00-20130311-036, Correspondence from the PMT Regarding the Review & Approval of
35 Several SC-level Documents, was presented. The SC-level documents that were affected by the

1 recent TSG restructuring will be presented to the SC for approval during the 18 March SC
2 meeting.

3 **Action AC-2013/03-02**

4 AC00-20130311-053, the 3GPP2 and TSG-AC Workplan reports, was remanded to all WGs for
5 review and comment. Comments and updates to document development schedules are to be
6 submitted to either the PMT or WG1. Participants were invited to provide comments on the
7 format of the TSG-AC workplan reports and recommend whether having both A and C-
8 designated documents in one file or having separate files for A and C-designate documents
9 would be the most useful.

10 **8.4 3GPP2 Secretariat**

11 The contributions from the Secretariat were noted FYI.

- 12 ➤ AC00-20130311-006 - Correspondence from Secretariat regarding V&V initiation of
13 A.S0008-D v0.2 – Interoperability Specification (IOS) for High Rate Packet Data
14 (HRPD) Radio Access Network Interfaces with Session Control in the Access Network
- 15 ➤ AC00-20130311-007 - Correspondence from Secretariat regarding V&V initiation of
16 A.S0009-D v0.2 – Interoperability Specification (IOS) for High Rate Packet Data
17 (HRPD) Radio Access Network Interfaces with Session Control in the Packet Control
18 Function
- 19 ➤ AC00-20130311-008 - Correspondence from Secretariat regarding SC review of
20 A.S0024-B v1.0 - Interoperability Specification (IOS) for Femtocell Access Points
- 21 ➤ AC00-20130311-011 - Correspondence from Secretariat regarding V&V initiation of
22 C.P0018-E v0.8: Software Distribution for Enhanced Variable Rate Codec (EVRC),
23 Speech Service Options 3, 68, 70, 73, and 77 Minimum Performance Specification
24 (MPS)
- 25 ➤ AC00-20130311-012 - Correspondence from Secretariat regarding V&V initiation of
26 C.P0018-E v1.8: Minimum Performance Specification for the Enhanced Variable Rate
27 Codec, Speech Service Options 3, 68, 70, 73 and 77 for Wideband Spread Spectrum
28 Digital Systems
- 29 ➤ AC00-20130311-013 - Correspondence from Secretariat announcing V&V extension
30 of C.P0014-E v0.8: Software Distribution for Enhanced Variable Rate Codec (EVRC),
31 Speech Service Options 3, 68, 70, 73 and 77, Specification
- 32 ➤ AC00-20130311-014 - Correspondence from Secretariat regarding SC review of
33 C.S0048-A v2.0 - Mobile Equipment (ME) Conformance Testing with RUIIM for
34 cdma2000 Spread Spectrum Standards
- 35 ➤ AC00-20130311-015 - Correspondence from Secretariat regarding V&V initiation of
36 C.P0095-A v0.9 - Signaling Test Specification for EUTRAN-cdma2000 Connectivity
37 and Interworking
- 38 ➤ AC00-20130311-016 - Correspondence from Secretariat regarding V&V initiation of
39 C.P0056-A v0.8 - Electro-Acoustic Recommended Minimum Performance
40 Specification for cdma2000 Mobile Stations

- 1 ➤ AC00-20130311-017 - Correspondence from Secretariat announcing publication of
- 2 C.S0097-0 v3.0 - E-UTRAN – cdma2000 1x Connectivity and Interworking Air
- 3 Interface Specification
- 4 ➤ AC00-20130311-019 - Correspondence from Secretariat regarding SC review of
- 5 C.S0107-0 v1.0 - cdma2000 Application (CSIM) Conformance Testing for Spread
- 6 Spectrum Systems
- 7 ➤ AC00-20130311-020 - Correspondence from Secretariat regarding SC review of
- 8 C.S0001-F v1.0 ~ C.S0002-F v1.0 (5 Documents)
- 9 ➤ AC00-20130311-022) - Correspondence from Secretariat regarding confirmation of
- 10 TSG leadership

11 8.5 TSG-SX

12 The contributions from TSG-SX were noted FYI.

- 13 ➤ AC00-20130311-005 - TSG-S Document Status Table for December 2012
- 14 ➤ AC00-20130311-009 - Correspondence from TSG-X, to the ITU-T, regarding
- 15 availability of civic alerting function of 3GPP/3GPP2 terminal at roaming.
- 16 ➤ AC00-20130311-010 - Correspondence from TSG-X, to the ITU-T, regarding request
- 17 for feedback on attached draft revision of Supplement 62 to ITU-T Q series
- 18 Recommendations
- 19 ➤ AC00-20130311-018 - Correspondence from TSG-X regarding two (2) new work item
- 20 proposals
- 21 ➤ AC00-20130311-055 - TSG-SX Structure & Working Procedures

22 8.6 TIA

23 Action AC-2013/03-03

24 AC00-20130311-031, TIA Legal Comments Regarding the JAVA Trademark in C.S0048-A v2.0
25 (TIA-1013-A-1), was remanded to WG1 for review and action.

26 Action AC-2013/03-04

27 AC00-20130311-037, TIA Ballot Comments - C.S0095-A v1.0 (Signaling Test Specification for E-
28 UTRAN – cdma2000 Connectivity and Interworking), was remanded to WG4 for review and
29 action.

30 Action AC-2013/03-05

31 AC00-20130311-038, TIA Voting Summary - C.S0056-A v1.0 (Electro-Acoustic Recommended
32 Minimum Performance specification for cdma2000 Mobile Stations), was remanded to WG4 for
33 review and action.

34 Action AC-2013/03-06

35 AC00-20130311-039, TIA Voting Summary - C.R0014-E v1.0 (Software Distribution for Enhanced
36 Variable Rate Codec, Speech Service Options 3, 68, 70, 73 and 77 for Wideband Spread
37 Spectrum Digital Systems), was remanded to WG1 for preparation of document for publishing.

38 Action AC-2013/03-07

1 AC00-20130311-041, TIA Voting Summary - C.S0018-E v2.0 (Minimum Performance
2 Specification for the Enhanced Variable Rate Codec, Speech Service Options 3, 68, 70, and 73
3 and 77 for Wideband Spread Spectrum Digital Systems), was remanded to WG1 to assist in the
4 preparation of C.S0018-E v2.0 for publishing.

5 **Action AC-2013/03-08**

6 AC00-20130311-042, TIA Voting Summary - C.R0018-E v2.0 (Software Distribution for Enhanced
7 Variable Rate Codec (EVRC), Speech Service Options 3, 68, 70, 73 and 77, Minimum
8 Performance Specification), was remanded to WG1 to assist in the preparation of C.R0018-E
9 v2.0 for publishing.

10 **Action AC-2013/03-09**

11 AC00-20130311-059, Correspondence from TR-45.4 regarding Completion of TIA-878-D
12 (A.S0008-D v1.0) ballot, was remanded to WG5 for review and action.

13 **Action AC-2013/03-10**

14 AC00-20130311-060, Correspondence from TR-45.4 regarding Completion of TIA-1878-D
15 (A.S0009-D v1.0) ballot, was remanded to WG5 for review and action.

16 **8.7 ITU**

17 **Action AC-2013/03-11**

18 AC00-20130311-045, Liaison statement from ITU-R WP5D regarding "Study on IMT Vision for
19 2020 and Beyond" was remanded to WG3 for review and action.

20 **Action AC-2013/03-12**

21 AC00-20130311-046, Liaison statement from ITU-R WP5D regarding "Study on Future
22 Technology Trends for Terrestrial IMT Systems" was remanded to WG3 for review and action.

23 **Action AC-2013/03-13**

24 AC00-20130311-047, Liaison statement from ITU-R WP5D regarding "Revision of
25 Recommendations ITU-R M.1580-4 and ITU-R M.1581-4" was remanded to WG3 for review and
26 action.

27 **Action AC-2013/03-14**

28 AC00-20130311-048, Liaison statement from ITU-R WP5D regarding "plans to replace the
29 Circular Letter 8/LCCE/95 process for the IMT-2000 updates of Recommendation ITU-R M.1457
30 with an adaptation of the IMT-Advanced update process developed for Recommendation ITU-R
31 M.2012" was remanded to WG3 for review and action.

32 **8.8 CDG**

33 None

34 **8.9 OMA**

35 None

1 **8.10 3GPP**

2 AC00-20130311-040, Liaison statement from 3GPP SA2 regarding “MSISDN Delivery for 3GPP2
3 network, was provided FYI.

4 **8.11 ETSI**

5 None

6 **8.12 Other**

7 AC00-20130311-021, Correspondence from oneM2M regarding service layer interworking with
8 3GPP/3GPP2 defined networks, was remanded to all WGs FYI.

9 AC00-20130311-035, Liaison statement on MPEG HEVC Development, was remanded to WG1
10 FYI.

11 **Action AC-2013/03-15**

12 AC00-20130311-051, NIST Wireless Characteristics Matrix, was remanded to WG3 for review
13 and action.

14 **9. Working Group Reports**

15 **9.1 WG1 – Application Services**

16 AC00-20130311-003, the TSG-C Document Log, was provided FYI.

17 AC00-20130311-004, the TSG-C Work Item Review Status Log, was provided FYI.

18 A verbal report regarding WG1 activities, including their plans for the week, was presented by
19 WG1 Chair, Doug Dunn (Kyocera), as FYI.

20 **Decision AC-2013/03-06**

21 AC00-20130311-052r1, Proposed Correspondence to the PMT regarding TSG-AC review of
22 3GPP2 WI Worksheets, was approved for transmission to the PMT.

23 **9.2 WG2 – Signaling and Protocol**

24 A verbal report of WG2 activities and their plans for the week was presented by WG2 Chair,
25 Orlett Pearson (Alcatel-Lucent), as FYI.

26 **9.3 WG3 – Physical Layer**

27 A verbal report of WG3 activities and their plans for the week was presented by Jing Sun
28 (Qualcomm) as FYI. Jing will be chairing the WG3 activities in the absence of Sang Kim.

29 **9.4 WG4 – Performance**

30 WG4 will be meeting, via teleconference, on Thursday; no verbal report was given during
31 opening plenary.

32 **9.5 WG5 – Access Network Interfaces**

1 A verbal report of WG5 activities and their plans for the week was presented by the WG5 Chair,
2 Scott Marin (NSN) as FYI.

3 AC00-20130311-056, WG5 Vice Chair Recommendation, was reviewed. Catherine Zhu, China
4 Telecom and Yuanfang Yu, ZTE, have volunteered as WG5 Vice Chairs. Support letters from
5 China Telecom and ZTE is requested. Plenary approval of the roles is deferred until the support
6 letters are received.

7 **10. Old Business**

8 10.1 Consideration of Projects for SC-Level Review for Publication

9 **Action AC-2013/03-16**

10 AC00-20130311-028, TIA-PN-707-A-4 Voting Summary (C.S0017-0-010 v3.0), was remanded to
11 WG2 for review and action.

12 10.2 Consideration of Projects for SC-Level Review for Re-Publication

13 None

14 10.3 Consideration of Projects for Approval for V&V Review

15 **Action AC-2013/03-17**

16 AC00-20130311-049, Qualcomm R&F Comments - A.R1001-D v0.1, was remanded to WG5 for
17 review and action.

18 10.4 Consideration of Projects for Approval for Baseline Text:

19 None

20 10.5 ITU Activities

21 None

22 10.6 Development Schedules

23 None

24 10.7 WI Approvals

25 None

26 10.8 TSG-AC Scope & Other Restructuring-Related Topics

27 **Action AC-2013/03-18**

28 AC00-20130311-030, the proposed new TSG-AC Scope, was remanded to all WGs for review
29 and comment. Comments are to be brought into Wednesday's Chairs meeting.

30 10.9 Other

31 None

1 **11. New Business**

2 11.1 New Work Items

3 None

4 11.2 CTIA/3GPP2 Battery Life Discussions

5 AC00-20130311-032, Call with CTIA on Benchmarking CDMA2000 Smartphone Battery Life, was
6 provided FYI.

7 AC00-20130311-033, CTIA Industry Standards for Estimating Battery Life Presentation, was
8 provided FYI.

9 AC00-20130311-034, Access to CTIA Battery Life Measurement Working Group, was provided
10 FYI.

11 Additional discussions will occur in WG3, at a time to be announced to all who may be
12 interested. Topics to include:

- 13 ➤ Should TSG-AC create a formal document or provide information to CTIA?
- 14 ➤ Will TSG-AC participants have access to GSMA websites?
- 15 ➤ GSMA/GCF has shown interest in putting some parameters in TS09 doc

16 David Crowe will update the proposed work item and provide it during the WG3 discussions.

17 11.3 Working Group Leadership

18 AC00-20130311-027, Nomination of Yingming Wang (Huawei) for TSG-AC WG2 Vice Chair, was
19 presented.

20 **Decision AC-2013/03-07**

21 Yingming Wang (Huawei) is appointed as the WG2 Vice Chair.

22 11.4 C.P0056-A V&V Comments

23 AC00-20130311-029, C.P0056-A V&V Comments, was remanded to WG4 for review and action.

24 11.5 CL CA (CDMA & LTE Carrier Aggregation) Introduction

25 AC00-20130311-054, CL CA (CDMA & LTE Carrier Aggregation) Introduction, will be discussed
26 during a special session/interim plenary on Wednesday at 2:00pm.

27 11.6 Call for 3GPP2 Representatives @ Small Cells World Summit 2013

28 AC00-20130311-044, Call for 3GPP2 Representatives at the Small Cells World Summit 2013, was
29 provided as FYI.

30 The TSG-AC opening plenary recessed at 1:11pm (local) on 11 March 2013.

31 **Interim Plenary – Wednesday, 13 March 2013**

32 An interim plenary of TSG-AC was held on Wednesday, 13 March 2013 and began at 2:02pm.

1 One company, ACS, that did not attend the opening plenary attended the interim plenary.

2 AC00-20130311-054, CL CA (CDMA & LTE Carrier Aggregation) Introduction, was presented.

3 During discussions it was noted:

4 ➤ Any document that results from the study will likely be a technical report which may or
5 may not be published

6 ○ Joint studies typically wind up in an S.R-designated document and are developed
7 during joint sessions of the TSGs; however, it's too early in the process to decide
8 at this point.

9 The TSG-SX working group that will be responsible for the development work has yet to be
10 identified. As this is a contribution-driven process, participants were encouraged to submit
11 contributions on the topic. TSG-SX will lead the work for now but additional details must be
12 decided and communicated to TSG-AC when available.

13 AC00-20130311-061, PMT correspondence regarding the TSG-AC Review of 3GPP2-00318, was
14 presented FYI. Work item 3GPP2-00318 - CDMA & LTE Carrier Aggregation Study will finish TSG
15 Review during the 17 March 2013 PMT meeting.,.

16 [Decision AC-2013/03-08](#)

17 WG1 can restart processing the approval of the Battery Life Measurement TSG-AC work item.

18 **Closing Plenary – Friday, 15 March 2013**

19 TSG-AC reconvened at 8:38am (local) on 15 March 2013. There were no new companies in
20 attendance at the closing plenary.

21 During the closing plenary, updates to the agenda were made and AC-20130311-001r4 was
22 created.

23 **12. Working Group Reports**

24 **12.1 WG1 – Application Services**

25 AC00-20130311-101r1, the WG1 Report, was presented as FYI.

26 WG1 indicated that it would use up to four (4) meetings in 2014, but it was really too early to
27 tell.

28 AC00-20130311-121, C.P0014-E v1.0 Software Distribution for Enhanced Variable Rate Codec
29 (EVRG), Speech Service Options 3, 68, 70, 73 and 77, Specification (To be published as C.R0014-
30 E v1.0, WI: TSGC-142) proposed publication text

31 [Decision AC-2013/03-09](#)

32 C.R0014-E v1.0 - Software Distribution for Enhanced Variable Rate Codec (EVRG), Speech
33 Service Options 3, 68, 70, 73 and 77, Specification – was approved for publication and
34 will be liaised to TR-45.5.

1 AC00-20130311-122, C.P0018-E v1.0 Software Distribution for Enhanced Variable Rate Codec
2 (EVMC), Speech Service Options 3, 68, 70, 73 and 77, Minimum Performance Specification (MPS)
3 (To be published as C.R0018-E v1.0, WI: TSGC-142) proposed publication text

4 **Decision AC-2013/03-10**

5 C.R0018-E v1.0 - Software Distribution for Enhanced Variable Rate Codec (EVMC), Speech
6 Service Options 3, 68, 70, 73 and 77, Minimum Performance Specification (MPS) - was
7 approved for publication and will be liaised to TR-45.5.

8 AC00-20130311-123, C.P0018-E v2.0 Minimum Performance Specification for the Enhanced
9 Variable Rate Codec, Speech Service Options 3, 68, 70, 73 and 77 for Wideband Spread
10 Spectrum Digital Systems (to be published as C.S0018-E v2.0, WI: TSGC-181 proposed
11 publication text

12 **Decision AC-2013/03-11**

13 C.S0018-E v2.0 - Minimum Performance Specification for the Enhanced Variable Rate
14 Codec, Speech Service Options 3, 68, 70, 73 and 77 for Wideband Spread Spectrum
15 Digital Systems - was approved for publication and will be liaised to TR-45.5.

16 AC00-20130311-124, 3GPP2 C.S0048-A v2.0 Mobile Equipment (ME) Conformance Testing with
17 R-UIM for cdma2000 Spread Spectrum Standards proposed republication text. Only editorial
18 edits (date, revision history and trademark acknowledgement of Java) were made to the
19 document.

20 **Decision AC-2013/03-12**

21 C.S0048-A v2.0 - Mobile Equipment (ME) Conformance Testing with R-UIM for
22 cdma2000 Spread Spectrum Standards - was approved for publication as republication
23 text and will be liaised to TR-45.5.

24 AC00-20130311-125, Proposed TSG-AC Work Items, was presented:

25 **Decision AC-2013/03-13**

26 The following two (2) TSG-AC work items were approved and will sent to the PMT for
27 processing:

- 28 ➤ TSGAC-185 – Update C.S0017-010-A Data Service Options for Spread Spectrum
29 Systems to Support 1xRevF
- 30 ➤ TSGAC-186 –Defining the cdma2000 Radio Environment for Smartphone Battery
31 Life Measurement

32 AC00-20130311-126, Document Number Request, was presented:

33 **Decision AC-2013/03-14**

34 The following two (2) document number requests were approved:

- 35 ➤ C.P0023-D v3.0 – Removable User Identity Module for Spread Spectrum
36 Systems

- 1 ○ Baseline - beginning April 2013
- 2 ○ V&V - 26 April 2013
- 3 ○ Publication – June 2013
- 4 ➤ C.P0105-A v1.0 - Unstructured Supplementary Service Data (USSD) Service
- 5 Options for Spread Spectrum Systems: Service Options 78 and 79
- 6 ○ Baseline - beginning April 2013
- 7 ○ V&V - 26 April 2013
- 8 ○ Publication – June 2013

9 **Action AC-2013/03-19**

10 WG1 will complete the assignment of the numbers, as approved in AC00-20130311-
11 126 and will add the documents to the contribution log.

12 **Decision AC-2013/03-15**

13 AC00-20130311-127r1, Proposed correspondence to the PMT regarding TSG-AC Review of
14 3GPP2 WIs, was approved for transmission to the PMT.

15 **Decision AC-2013/03-16**

16 AC00-20130311-128r1, Proposed correspondence to the PMT Coordinator regarding the 3GPP2
17 Workplan, was approved for transmission to the PMT Coordinator.

18 **Decision AC-2013/03-17**

19 AC00-20130311-129r1, Proposed correspondence to ETSI SCP regarding a request for coding
20 value in ETSI TS 102 223 for eHRPD, was approved for transmission to ETSI SCP.

21 **Decision AC-2013/03-18**

22 AC00-20130311-130r1, Proposed reply correspondence to ETSI SCP regarding LS dated 14
23 December 2012 on a new feature for the REFRESH command in TS 102 223, was approved for
24 transmission to ETSI SCP.

25 **Decision AC-2013/03-19**

26 AC00-20130311-131, Proposed correspondence to ETSI SCP TEC regarding MO Short Message
27 Control Support in 3GPP2, was approved for transmission to ETSI SCP TEC.

28 **12.2 WG2 – Signaling and Protocol**

29 AC00-20130311-102r1, the WG2 report was presented as FYI.

30 With regards to the number of meetings that will be needed during 2014, WG2 (as a group) did
31 not discuss this topic specifically but the WG2 Chair noted that she does not believe more than
32 four (4) meetings will be needed.

33 **Decision AC-2013/03-20**

34 AC00-20130311-119, C.S0097-A v1.0 - E-UTRAN – cdma2000 1x Connectivity and Interworking
35 Air Interface Specification - was approved for V&V with comments due 19 April 2013. This
36 document will be liaised to TR-45.5.

1 **Decision AC-2013/03-21**

2 AC00-20130311-120, C.S0017-010-0 v3.0 - Data Service Options for Spread Spectrum Systems -
3 was approved for publication and liaised to TR-45.5.

4 **Action AC-2013/03-20**

5 The 3GPP2 website needs to be updated to reflect the current document mapping information,
6 as the document numbering for C.S0017-010-0 v3.0 has changed. The WG2 Chair will circulate
7 proposed text for review prior to requesting the website update.

8 **12.3 WG3 – Physical Layer**

9 AC00-20130311-103r1, the WG3 report, was presented as FYI.

10 During discussions, it was noted:

- 11 ➤ WG3 indicated that it could use four (4) meetings in 2014.
- 12 ➤ The IMT-2000 update process is changing to align with the IMT-Advanced update
13 process. The 3GPP2 Partners will have to sign off in agreement.

14 **Decision AC-2013/03-22**

15 AC00-20130311-114, Liaison to ITU-R WP5D on Intent to Update for M.1457-11, was approved
16 to be sent to the 3GPP2 Steering Committee and liaised to TR45.5.

17 **Decision AC-2013/03-23**

18 AC00-20130311-115, Cover letter from TIA to ITU-R WP5D for Intent to Update for M.1457-11
19 and Exceptional Form A, was approved to be sent to the 3GPP2 Steering Committee and liaised
20 to TR45.5.

21 **Decision AC-2013/03-24**

22 AC00-20130311-116, TSG-AC Updated NIST wireless characteristics matrix, was approved to
23 liaise to TR45.5. After TSG-SX approves the matrix and incorporates the proposed changes from
24 TSG-AC, the document will be sent directly to TR-45.5 for merging with the document.

25 **12.4 WG4 – Performance**

26 AC00-20130311-104, the WG4 report was presented as FYI.

27 **Decision AC-2013/03-25**

28 As provided in AC00-20130311-117, C.S0056-A v1.0 - Electro-Acoustic Recommended Minimum
29 Performance Specification for cdma2000 Mobile Stations – was approved for publication and
30 will be liaised to TR-45.4.

31 **12.5 WG5 – Access Network Interfaces**

32 AC00-20130311-105Ar1, the WG5 report, was presented FYI.

33 WG4 indicated that it could use four (4) meetings in 2014.

34 Scott Marin resigned as the WG5 Chair. This meeting in Busan will be his last 3GPP2 meeting.

1 **Action AC-2013/03-21**

2 Section 3.4.2 of the WG5 report contains meeting requirements for the June 2013 meeting and
3 will be forwarded to the Secretariat for meeting planning purposes.

4 **Decision AC-2013/03-26**

5 David Ott (Qualcomm) will set up the conference call information and act as Facilitator for the
6 next WG5 teleconference being held in April.

7 **Decision AC-2013/03-27**

8 AC00-20130311-105B, the TSG-AC WG5 workplan, was approved to be sent to the PMT.

9 **Decision AC-2013/03-28**

10 Yuanfang Yu, ZTE, was appointed as TSG-AC WG5 Vice Chair as shown in the support letter
11 provided in AC00-20130311-107.

12 The WG5 replies to the TSG-AC opening plenary remands and requests were provided FYI in
13 AC00-20130311-108.

14 **Decision AC-2013/03-29**

15 AC00-20130311-109, A.S0008-D v1.0 - Interoperability Specification (IOS) for High Rate Packet
16 Data (HRPD) Radio Access Network Interfaces with Session Control in the Access Network - was
17 approved for publication and will be liaised to TR-45.4.

18 **Decision AC-2013/03-30**

19 AC00-20130311-110, A.S0009-D v1.0 - Interoperability Specification (IOS) for High Rate Packet
20 Data (HRPD) Radio Access Network Interfaces with Session Control in the Packet Control
21 Function - was approved for publication and will be liaised to TR-45.4

22 **Decision AC-2013/03-31**

23 AC00-20130311-111, Correspondence to TR-45.4 noting pending A.S0008/9-D publication, was
24 approved to be liaised to TIA TR-45.4.

25 **Decision AC-2013/03-32**

26 AC00-20130311-112, A.R1001-D - Interoperability Specification (IOS) Numbering Reference-
27 was approved for V&V with comments due 20 May 2013. V&V comments are to be provided
28 using the comment form provided in AC00-20130311-001E.

29 **Decision AC-2013/03-33**

30 Caiqin Zhu, China Telecom, was appointed as a TSG-AC WG5 Vice Chair as shown in the support
31 letter provided in AC00-20130311-113.

32 **13. Liaison Reports**

33 **13.1 Organizational Partners**

34 None

1 13.2 Steering Committee

2 None

3 13.3 3GPP2 Secretariat

4 None

5 13.4 TSG-SX

6 None

7 13.5 TIA

8 None

9 13.6 ITU

10 None

11 13.7 CDG

12 None

13 13.8 OMA

14 None

15 13.9 3GPP/ETSI

16 None

17 13.10 Other

18 None

19 **14. Old Business**

20 14.1 TSG-AC Terms of Reference

21 [Decision AC-2013/03-34](#)

22 AC00-20130311-118, the updated TSG-AC Terms of Reference, will be presented to the SC for
23 approval .

24 This closed action item 121210-02:

25 TSG-AC to develop its Scope/ToR for approval by the SC by the March 2013 SC/OP meeting
26 in Busan, Korea.

27 **15. New Business**

28 15.1 Updated TSG-AC Correspondence Template

29 AC00-20130311-106, an updated TSG-AC Correspondence Template was provided as FYI.

30 [Action AC-2013/03-22](#)

1 The Secretary will incorporate changes proposed during the meeting to the new TSG-AC
2 Correspondence template (e.g., margins, line numbers, etc.). Once completed, the
3 correspondence template will be sent to the TSG-AC reflector for use by the TSG.

4 **15.2 New Work Item – Corrections and New Test Cases for Mobile Equipment Conformance**
5 **Testing w/R-UIM**

6 **Action AC-2013/03-23**

7 Document AC00-2013-0311-132, Work Item - Corrections and new test cases for Mobile
8 Equipment Conformance Testing with R-UIM, was remanded to WG1 for review and action.

9 **15.3 New Work Item – Administration of Parameter Value Assignments**

10 **Action AC-2013/03-24**

11 AC00-2013-0311-133, Work Item - Administration of Parameter Value Assignments, was
12 remanded to WG1 for review and action and to WG2 for review and comment.

13 **16. Future Meeting Schedule**

- 14 ➤ 3-7 June 2013 – Miami, FL
- 15 ➤ 9-13 September 2013 – Guilin, China
- 16 ➤ 2-6 December 2013 – Kauai, HI

17 Detailed information on all TSG-AC meetings can be found on the 3GPP2 online calendar
18 (http://www.3gpp2.org/Public_html/Cal/index.cfm).

19 A (tentative) interim plenary is scheduled for 25 April 2013 at 8:00pm (ET). Topics to include:

- 20 ➤ C.S0106 – baseline/V&V
- 21 ➤ C.S0065-B v3.0 – baseline/V&V
- 22 ➤ C.S0023-D v3.0 – baseline/V&V
- 23 ➤ C.S0105-A v1.0 – baseline/V&V
- 24 ➤ A.S0010 – baseline
 - 25 ○ R&F comments will be due before the June 2013 meeting
 - 26 ○ To be sent for V&V in June

27 **17. Open Discussion & Other Business**

28 None

29 **18. Assignments**

30 See the annex to this report for the decisions and action items captured during the meeting.

31 **19. Adjournment**

32 The TSG-AC meeting ended at approximately 11:30am on 15 March 2013.

1 **March 2013 TSG-AC Decisions**

2 **Decision AC-2013/03-01**

3 The meeting room assignments will have a fixed/permanent contribution number (-005)
4 moving forward.

5 **Decision AC-2013/03-02**

6 The agenda presented in AC00-20130311-001r2 was approved.

7 **Decision AC-2013/03-03**

8 TSG-AC approved the 11 December 2012 TSG-C meeting summary presented in AC00-
9 20130311-002.

10 **Decision AC-2013/03-04**

11 TSG-AC approved the 11 December 2012 TSG-A meeting summary presented in AC00-
12 20130311-025.

13 **Decision AC-2013/03-05**

14 AC00-20130311-024, an update to the Work Item Worksheet Template (v7.0), is to be used for
15 all new work items. All pending work items should be transferred to the new template.

16 **Decision AC-2013/03-06**

17 AC00-20130311-052r1, Proposed Correspondence to the PMT regarding TSG-AC review of
18 3GPP2 WI Worksheets, was approved for transmission to the PMT.

19 **Decision AC-2013/03-07**

20 Yingming Wang (Huawei) is appointed as the WG2 Vice Chair.

21 **Decision AC-2013/03-08**

22 WG1 can restart processing the approval of the Battery Life Measurement TSG-AC work item.

23 **Decision AC-2013/03-09**

24 C.R0014-E v1.0 - Software Distribution for Enhanced Variable Rate Codec (EVRG), Speech
25 Service Options 3, 68, 70, 73 and 77, Specification – was approved for publication and will be
26 liaised to TR-45.5.

27 **Decision AC-2013/03-10**

28 C.R0018-E v1.0 - Software Distribution for Enhanced Variable Rate Codec (EVRG), Speech
29 Service Options 3, 68, 70, 73 and 77, Minimum Performance Specification (MPS) - was approved
30 for publication and will be liaised to TR-45.5.

31 **Decision AC-2013/03-11**

32 C.S0018-E v2.0 - Minimum Performance Specification for the Enhanced Variable Rate Codec,
33 Speech Service Options 3, 68, 70, 73 and 77 for Wideband Spread Spectrum Digital Systems -
34 was approved for publication and will be liaised to TR-45.5.

1 **Decision AC-2013/03-12**

2 C.S0048-A v2.0 - Mobile Equipment (ME) Conformance Testing with R-UIM for cdma2000
3 Spread Spectrum Standards - was approved for publication as republication text and will be
4 liaised to TR-45.5.

5 **Decision AC-2013/03-13**

6 The following two (2) TSG-AC work items were approved and will sent to the PMT for
7 processing:

- 8 ➤ TSGAC-185 – Update C.S0017-010-A Data Service Options for Spread Spectrum Systems
9 to Support 1xRevF
- 10 ➤ TSGAC-186 –Defining the cdma2000 Radio Environment for Smartphone Battery Life
11 Measurement

12 **Decision AC-2013/03-14**

13 The following two (2) document number requests were approved:

- 14 ➤ C.P0023-D v3.0 – Removable User Identity Module for Spread Spectrum Systems
 - 15 ○ Baseline - beginning April 2013
 - 16 ○ V&V - 26 April 2013
 - 17 ○ Publication – June 2013
- 18 ➤ C.P0105-A v1.0 - Unstructured Supplementary Service Data (USSD) Service Options
19 for Spread Spectrum Systems: Service Options 78 and 79
 - 20 ○ Baseline - beginning April 2013
 - 21 ○ V&V - 26 April 2013
 - 22 ○ Publication – June 2013

23 **Decision AC-2013/03-15**

24 AC00-20130311-127r1, Proposed correspondence to the PMT regarding TSG-AC Review of
25 3GPP2 WIs, was approved for transmission to the PMT.

26 **Decision AC-2013/03-16**

27 AC00-20130311-128r1, Proposed correspondence to the PMT Coordinator regarding the 3GPP2
28 Workplan, was approved for transmission to the PMT Coordinator.

29 **Decision AC-2013/03-17**

30 AC00-20130311-129r1, Proposed correspondence to ETSI SCP regarding a request for coding
31 value in ETSI TS 102 223 for eHRPD, was approved for transmission to ETSI SCP.

32 **Decision AC-2013/03-18**

33 AC00-20130311-130r1, Proposed reply correspondence to ETSI SCP regarding LS dated 14
34 December 2012 on a new feature for the REFRESH command in TS 102 223, was approved for
35 transmission to ETSI SCP.

36 **Decision AC-2013/03-19**

37 AC00-20130311-131, Proposed correspondence to ETSI SCP TEC regarding MO Short Message
38 Control Support in 3GPP2, was approved for transmission to ETSI SCP TEC.

1 [Decision AC-2013/03-20](#)

2 AC00-20130311-119, C.S0097-A v1.0 - E-UTRAN – cdma2000 1x Connectivity and Interworking
3 Air Interface Specification - was approved for V&V with comments due 19 April 2013. This
4 document will be liaised to TR-45.5.

5 [Decision AC-2013/03-21](#)

6 AC00-20130311-120, C.S0017-010-0 v3.0 - Data Service Options for Spread Spectrum Systems -
7 was approved for publication and liaised to TR-45.5.

8 [Decision AC-2013/03-22](#)

9 AC00-20130311-114, Liaison to ITU-R WP5D on Intent to Update for M.1457-11, was approved
10 to be sent to the 3GPP2 Steering Committee and liaised to TR45.5.

11 [Decision AC-2013/03-23](#)

12 AC00-20130311-115, Cover letter from TIA to ITU-R WP5D for Intent to Update for M.1457-11
13 and Exceptional Form A, was approved to be sent to the 3GPP2 Steering Committee and liaised
14 to TR45.5.

15 [Decision AC-2013/03-24](#)

16 AC00-20130311-116, TSG-AC Updated NIST wireless characteristics matrix, was approved to
17 liaise to TR45.5. After TSG-SX approves the matrix and incorporates the proposed changes from
18 TSG-AC, the document will be sent directly to TR-45.5 for merging with the document.

19 [Decision AC-2013/03-25](#)

20 As provided in AC00-20130311-117, C.S0056-A v1.0 - Electro-Acoustic Recommended Minimum
21 Performance Specification for cdma2000 Mobile Stations – was approved for publication and
22 will be liaised to TR-45.4.

23 [Decision AC-2013/03-26](#)

24 David Ott (Qualcomm) will set up the conference call information and act as Facilitator for the
25 next WG5 teleconference being held in April.

26 [Decision AC-2013/03-27](#)

27 AC00-20130311-105B, the TSG-AC WG5 workplan, was approved to be sent to the PMT.

28 [Decision AC-2013/03-28](#)

29 Yuanfang Yu, ZTE, was appointed as TSG-AC WG5 Vice Chair as shown in the support letter
30 provided in AC00-20130311-107.

31 [Decision AC-2013/03-29](#)

32 AC00-20130311-109, A.S0008-D v1.0 - Interoperability Specification (IOS) for High Rate Packet
33 Data (HRPD) Radio Access Network Interfaces with Session Control in the Access Network - was
34 approved for publication and will be liaised to TR-45.4.

35 [Decision AC-2013/03-30](#)

1 AC00-20130311-110, A.S0009-D v1.0 - Interoperability Specification (IOS) for High Rate Packet
2 Data (HRPD) Radio Access Network Interfaces with Session Control in the Packet Control
3 Function - was approved for publication and will be liaised to TR-45.4

4 **Decision AC-2013/03-31**

5 AC00-20130311-111, Correspondence to TR-45.4 noting pending A.S0008/9-D publication, was
6 approved to be liaised to TIA TR-45.4.

7 **Decision AC-2013/03-32**

8 AC00-20130311-112, A.R1001-D - Interoperability Specification (IOS) Numbering Reference-
9 was approved for V&V with comments due 20 May 2013. V&V comments are to be provided
10 using the comment form provided in AC00-20130311-001E.

11 **Decision AC-2013/03-33**

12 Caiqin Zhu, China Telecom, was appointed as a TSG-AC WG5 Vice Chair as shown in the support
13 letter provided in AC00-20130311-113.

14 **Decision AC-2013/03-34**

15 The updated TSG-AC Terms of Reference will be presented to the SC for approval as shown in
16 AC00-20130311-118.

17

18

1 **Carried Over Action Items**

- 2 120416-02 A call for volunteers has been issued for persons who are interested in serving as
3 the TSG-AC WG1 Vice-Chair.
- 4 121210-03 WG2 must develop text for the 3GPP2 website which shows the succession of
5 C.S0017 documents and provides the mapping to their TIA transposed version no
6 later than the March 2013 meeting.

7 **March 2013 TSG-AC Recorded Actions**

8 **Action AC-2013/03-01**

9 AC00-20130311-026, Correspondence from the PMT Coordinator initiating TSG review of four
10 (4) work item worksheets, was remanded to all WGs for review and comment. Comments are
11 to be provided to WG1 by Tuesday, 12 March 2013. Members were also welcomed to provide
12 their comments to one of the scheduled PMT sessions.

13 **Action AC-2013/03-02**

14 AC00-20130311-053, the 3GPP2 and TSG-AC Workplan reports, was remanded to all WGs for
15 review and comment. Comments and updates to document development schedules are to be
16 submitted to either the PMT or WG1. Participants were invited to provide comments on the
17 format of the TSG-AC workplan reports and recommend whether having both A and C-
18 designated documents in one file or having separate files for A and C-designate documents
19 would be the most useful.

20 **Action AC-2013/03-03**

21 AC00-20130311-031, TIA Legal Comments Regarding the JAVA Trademark in C.S0048-A v2.0
22 (TIA-1013-A-1), was remanded to WG1 for review and action.

23 **Action AC-2013/03-04**

24 AC00-20130311-037, TIA Ballot Comments - C.S0095-A v1.0 (Signaling Test Specification for E-
25 UTRAN – cdma2000 Connectivity and Interworking), was remanded to WG4 for review and
26 action.

27 **Action AC-2013/03-05**

28 AC00-20130311-038, TIA Voting Summary - C.S0056-A v1.0 (Electro-Acoustic Recommended
29 Minimum Performance specification for cdma2000 Mobile Stations), was remanded to WG4 for
30 review and action.

31 **Action AC-2013/03-06**

32 AC00-20130311-039, TIA Voting Summary - C.R0014-E v1.0 (Software Distribution for Enhanced
33 Variable Rate Codec, Speech Service Options 3, 68, 70, 73 and 77 for Wideband Spread
34 Spectrum Digital Systems), was remanded to WG1 for preparation of document for publishing.

1 **Action AC-2013/03-07**

2 AC00-20130311-041, TIA Voting Summary - C.S0018-E v2.0 (Minimum Performance
3 Specification for the Enhanced Variable Rate Codec, Speech Service Options 3, 68, 70, and 73
4 and 77 for Wideband Spread Spectrum Digital Systems), was remanded to WG1 to assist in the
5 preparation of C.S0018-E v2.0 for publishing.

6 **Action AC-2013/03-08**

7 AC00-20130311-042, TIA Voting Summary - C.R0018-E v2.0 (Software Distribution for Enhanced
8 Variable Rate Codec (EVMC), Speech Service Options 3, 68, 70, 73 and 77, Minimum
9 Performance Specification), was remanded to WG1 to assist in the preparation of C.R0018-E
10 v2.0 for publishing.

11 **Action AC-2013/03-09**

12 AC00-20130311-059, Correspondence from TR-45.4 regarding Completion of TIA-878-D
13 (A.S0008-D v1.0) ballot, was remanded to WG5 for review and action.

14 **Action AC-2013/03-10**

15 AC00-20130311-060, Correspondence from TR-45.4 regarding Completion of TIA-1878-D
16 (A.S0009-D v1.0) ballot, was remanded to WG5 for review and action.

17 **Action AC-2013/03-11**

18 AC00-20130311-045, Liaison statement from ITU-R WP5D regarding "Study on IMT Vision for
19 2020 and Beyond" was remanded to WG3 for review and action.

20 **Action AC-2013/03-12**

21 AC00-20130311-046, Liaison statement from ITU-R WP5D regarding "Study on Future
22 Technology Trends for Terrestrial IMT Systems" was remanded to WG3 for review and action.

23 **Action AC-2013/03-13**

24 AC00-20130311-047, Liaison statement from ITU-R WP5D regarding "Revision of
25 Recommendations ITU-R M.1580-4 and ITU-R M.1581-4" was remanded to WG3 for review and
26 action.

27 **Action AC-2013/03-14**

28 AC00-20130311-048, Liaison statement from ITU-R WP5D regarding "plans to replace the
29 Circular Letter 8/LCCE/95 process for the IMT-2000 updates of Recommendation ITU-R M.1457
30 with an adaptation of the IMT-Advanced update process developed for Recommendation ITU-R
31 M.2012" was remanded to WG3 for review and action.

32 **Action AC-2013/03-15**

33 AC00-20130311-051, NIST Wireless Characteristics Matrix, was remanded to WG3 for review
34 and action.

35 **Action AC-2013/03-16**

1 AC00-20130311-028, TIA-PN-707-A-4 Voting Summary (C.S0017-0-010 v3.0), was remanded to
2 WG2 for review and action.

3 **Action AC-2013/03-17**

4 AC00-20130311-049, Qualcomm R&F Comments - A.R1001-D v0.1, was remanded to WG5 for
5 review and action.

6 **Action AC-2013/03-18**

7 AC00-20130311-030, the proposed new TSG-AC Scope, was remanded to all WGs for review
8 and comment. Comments are to be brought into Wednesday's Chairs meeting.

9 **Action AC-2013/03-19**

10 WG1 will complete the assignment of the numbers, as approved in AC00-20130311-126 and
11 will add the documents to the contribution log.

12 **Action AC-2013/03-20**

13 The 3GPP2 website needs to be updated to reflect the current document mapping information,
14 as the document numbering for C.S0017-010-0 v3.0 has changed. The WG2 Chair will circulate
15 proposed text for review prior to requesting the website update.

16 **Action AC-2013/03-21**

17 Section 3.4.2 of the WG5 report contains meeting requirements for the June 2013 meeting and
18 will be forwarded to the Secretariat for meeting planning purposes.

19 **Action AC-2013/03-22**

20 The Secretary will incorporate changes proposed during the meeting to the new TSG-AC
21 Correspondence template (e.g., margins, line numbers, etc.). Once completed, the
22 correspondence template will be sent to the TSG-AC reflector for use by the TSG.

23 **Action AC-2013/03-23**

24 Document AC00-2013-0311-132, Work Item - Corrections and new test cases for Mobile
25 Equipment Conformance Testing with R-UIM, was remanded to WG1 for review and action.

26 **Action AC-2013/03-24**

27 AC00-2013-0311-133, Work Item - Administration of Parameter Value Assignments, was
28 remanded to WG1 for review and action and to WG2 for review and comment.

29