

1 **Title:**

2 **APPROVED SUMMARY OF TSG-S MEETING**

3 for 5-8 December 2005 in Maui, HI, USA

4 **Source:**

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6 SECRETARY

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14 **Abstract:**

15 This document is a summary of the 3GPP2 TSG-S meetings that were held during the period of
16 5-8 December 2005 in Maui, HI, USA.

17

18 **Recommendations:**

19 For review and approval.

20

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32 the Committee as a basis for discussion and is not to be construed as a binding proposal on KDDI. KDDI
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1 During the period of 5-8 December 2005, 3GPP2 TSG-S meetings were held at the Grand
2 Wailea Hotel in Maui, HI, USA. This document is intended to summarize those proceedings.

3 OPENING PLENARY

4 1. CALL TO ORDER AND OPENING REMARKS: The meeting was called to order on
5 5 December 2005 at 2:05 PM local time by TSG-S Chair, Nick Yamasaki (KDDI).

6 The Chair welcomed the participants to Maui. The meeting participants each introduced
7 themselves and were requested to sign-in electronically using the server sign-in facility.

8 2. ATTENDANCE REGISTRATION AND ROLL CALL: A roll call of TSG-S active
9 companies indicated 16 companies in attendance out of 21 active companies (76%
10 participation). Thus, meeting quorum was achieved.

11 The Secretary noted that no proxy statements had been received for this meeting

12 3. DISTRIBUTION AND NUMBERING OF CONTRIBUTIONS: Contributions were
13 documented in S00-20051205-000. All contributions were distributed in soft copy format
14 and made available from the LAN based server.

15 4. ADOPTION OF AGENDA: The proposed agenda (S00-20051205-001) was presented
16 and reviewed. **DECISION: The agenda was approved without objection as
17 submitted (S00-20051205-001).**

18 E-mail correspondences regarding a 3GPP2 Volunteer Appreciation Luau to be held on
19 Tuesday evening starting at 6:30 PM (S00-20051205-037) was noted as FYI.

20 5. REVIEW AND APPROVAL OF PREVIOUS MEETING SUMMARY: The summary of
21 the October 2005 TSG-S meeting in Beijing, China (S00-20051205-002) was presented.
22 **DECISION: This summary was approved as modified by the discussion (S00-
23 20051205-002R1).**

24 6. REVIEW OF ACTION ITEMS FROM PREVIOUS MEETING: The following action
25 items were left open from the October 2005 meeting and require additional consideration:

- 26 • Approval of the summary of the September 2005 TSG-S meeting in Vancouver,
27 BC, Canada (S00-20051024-002R1) was deferred to closing Plenary at the
28 October 2005 meeting but inadvertently omitted from closing Plenary review.

29 **DECISION: The meeting summary for the Beijing (S00-20051024-002R1)
30 was approved without objection.**

- 31 • The Vision AdHoc requests that the TSG-S Chair inform the SC that the assigned
32 mandates have been met and that no new additional contributions have been
33 received. Therefore the Vision AdHoc is requesting additional guidance from the
34 SC regarding possible topics it should be reviewing. If no input from the SC is
35 received the Vision ad hoc will likely go dormant."

36 **DECISION: This action was CLOSED without objection.**

37 **DECISION: As directed by the October 2005 SC meeting in Beijing, the
38 Vision AdHoc was made dormant until further notice.**

- 1 • The TSG-S Chair should follow up on correspondence to the SC Chair regarding
2 establishment of cooperative Relationship with IEEE 802.

3 **DECISION: This action was CLOSED without objection.**

4 7. CORRESPONDENCE AND LIAISON REPORTS

- 5 • OP: The proposed 3GPP2 Drafting Rules Topics (S00-20051205-036) was
6 presented from the WPD AdHoc. **ACTION: This contribution was remanded**
7 **to all WGs as FYI.**
- 8 • SC: The following contributions were discussed:
- 9 • The SC Meeting Summary for October 2005 meetings in Beijing
10 (S00-20051205-010) was presented from the 3GPP2 Secretariat and the
11 executive summary of the Unofficial SC/OP Meeting Summaries was
12 presented from the TSG-S Secretary. **ACTION: This contribution was**
13 **remanded to all WGs as FYI.**
- 14 • 3GPP2 SECRETARIAT: The following correspondences were noted from the
15 3GPP2 Secretariat:
- 16 • E-mail correspondence dated 27 October 2005 regarding V&V Review
17 Extension for S.P0086-B v0.3 IMS Security Framework (S00-20051205-
18 018) was presented from the 3GPP2 Secretariat. **ACTION: This**
19 **contribution was remanded to WG4 as FYI.**
- 20 • E-mail correspondence dated 28 October 2005 regarding V&V Review for
21 S.P0112-0 v0.2 Generic Bootstrapping Architecture System Requirements
22 (S00-20051205-019) was presented from the 3GPP2 Secretariat.
23 **ACTION: This contribution was remanded to WG4 as FYI.**
- 24 • E-mail correspondences regarding SC level review and approval of
25 S.R0111-0 v1.0 Expanded R-UIM Identifier (S00-20051205-020) was
26 presented from the 3GPP2 Secretariat. **ACTION: This contribution**
27 **was remanded to WG1 as FYI.**
- 28 • E-mail correspondence dated 7 November 2005 regarding SC level
29 approval of S.R0048-A v4.0 3G Mobile Equipment Identifier (MEID)
30 Stage 1 (S00-20051205-021) was presented from the 3GPP2 Secretariat.
31 **ACTION: This contribution was remanded to WG1 and the**
32 **Numbering AdHoc as FYI.**
- 33 • E-mail correspondence dated 8 November 2005 regarding Eight (8) Work
34 Items Adopted (S00-20051205-022) was presented from the 3GPP2
35 Secretariat. **ACTION: This contribution was remanded to WG3 as**
36 **FYI.**

- 1 • E-mail correspondence dated 3 November 2005 regarding three (3) Work
2 Item Worksheets for review (S00-20051205-023) was presented from the
3 3GPP2 Secretariat. **ACTION: This contribution was remanded to**
4 **WG3 as FYI.**
- 5 • E-mail correspondence dated 2 November 2005 regarding cancellation of
6 Work Item 3GPP2-00125 (Cross Notification between 3G1X and
7 Alternate Technologies) (S00-20051205-024) was presented from the
8 3GPP2 Secretariat. **ACTION: This contribution was remanded to**
9 **WG3 as FYI.**
- 10 • Correspondence dated 27 October 2005 regarding proposed WI review
11 (S00-20051205-025) was presented from the 3GPP2 Secretariat.
12 **ACTION: This contribution was remanded to all WGs for review**
13 **and comment with comments to be coordinated by WG3.**
- 14 • V&V comments for S.P0086-B v0.3 IMS Security Framework (S00-
15 20051205-026) was presented from the 3GPP2 Secretariat. **ACTION:**
16 **This contribution was remanded to WG4 for review and action as**
17 **appropriate.**
- 18 • V&V comments for S.P0112-0 v0.2 GBA (S00-20051205-027) was
19 presented from the 3GPP2 Secretariat. **ACTION: This contribution**
20 **was remanded to WG4 for review and action as appropriate.**
- 21 • E-mail correspondence dated 29 November 2005 regarding Changes to
22 Approved Work Items (S00-20051205-035) was presented from the
23 3GPP2 Secretariat. **ACTION: This contribution was remanded to**
24 **WG3 for review and action as appropriate.**
- 25 • The 3GPP2 Workplan files for December 2005 (S00-20051205-039) was
26 presented from the 3GPP2 Secretariat. **ACTION: This contribution**
27 **was remanded to all WGs for review and comment with comments to**
28 **be coordinated by WG3.**
- 29 • TSG-A: Correspondence dated 28 October 2005 regarding TSG-A Work Item
30 Review (S00-20051205-011) was presented from TSG-A. **ACTION: This**
31 **contribution was remanded to all WG1 and WG3 for review and action as**
32 **appropriate.**
- 33 • TSG-C: The following contributions were discussed:
- 34 • The TSG-C Liaison Report for October 2005 (S00-20051205-003) was
35 presented from TSG-C as FYI for TSG-S.
- 36 • The TSG-C Liaison Report for the 17 November 2005 interim Plenary
37 conference call (S00-20051205-004) was presented from TSG-C as FYI
38 for TSG-S.

- 1 • Correspondence dated 28 October 2005 regarding Coordination of
2 Responses to ITU-T SG16 Liaisons #50 and #51 (S00-20051205-005) was
3 presented from TSG-C. **ACTION: This contribution was remanded to**
4 **all WG1 for review and action as appropriate.**
- 5 • Correspondence dated 28 October 2005 regarding LS to 3GPP2 on the
6 Mobile Broadcast Services Specifications (S00-20051205-006) was
7 presented from TSG-C. **ACTION: This contribution was remanded to**
8 **WG1 for review and action as appropriate.**
- 9 • Correspondence dated 28 October 2005 regarding Review of Work Item
10 Worksheets (S00-20051205-007) was presented from TSG-C. **ACTION:**
11 **This contribution was remanded to WG3 for review and action as**
12 **appropriate.**
- 13 • Correspondence dated 17 November 2005 regarding China Unicom's
14 Opinion on UIM_ID Extension (S00-20051205-008) was presented from
15 TSG-C. **ACTION: This contribution was remanded to the**
16 **Numbering AdHoc as FYI.**
- 17 • Correspondence dated 17 November 2005 regarding cdma2000 Enhanced
18 Packet Data Air Interface System (S00-20051205-009) was presented
19 from TSG-C. **ACTION: This contribution was remanded to WG1 for**
20 **review and action as appropriate.**
- 21 • Correspondence dated 5 December 2005 regarding 3GPP2 workplan
22 updates (S00-20051205-041) was presented from TSG-C. **ACTION:**
23 **This contribution was remanded to WG3 for review and action as**
24 **appropriate.**
- 25 • TSG-X: The following contributions were discussed from TSG-X:
- 26 • Correspondence dated 28 October 2005 to IEEE 802.11 regarding IEEE
27 802.11u Interworking with External Networks Requirements Document
28 (S00-20051205-012) was presented from TSG-X. **ACTION: This**
29 **contribution was remanded to WG1 as FYI.**
- 30 • Correspondence dated 28 October 2005 to IEEE 802.21 regarding Media
31 Independent Handover (S00-20051205-013) was presented from TSG-X.
32 **ACTION: This contribution was remanded to WG1 as FYI.**
- 33 • Correspondence dated 28 October 2005 regarding TSG-X Feedback on
34 Work Items and ITU Liaisons (S00-20051205-014) was presented from
35 TSG-X. **ACTION: This contribution was remanded to WG1 and**
36 **WG3 for review and action as appropriate.**
- 37 • Correspondence dated 28 October 2005 regarding Draft GBA
38 Specifications S.P0112, S.P0109, S.P0114 (S00-20051205-015) was
39 presented from TSG-X. **ACTION: This contribution was remanded to**
40 **WG4 for review and action as appropriate.**

- 1 • Correspondence to TSG-A dated 28 October 2005 regarding Network
2 Initiated BCMCS (S00-20051205-016) was presented from TSG-X.
3 **ACTION: This contribution was remanded to WG1 and WG3 as**
4 **FYI.**
- 5 • Correspondence dated 28 October 2005 regarding OMA LS dated
6 17 October 2005 on the Mobile Broadcast Services Specifications
7 (S00-20051205-017) was presented from TSG-X. **ACTION: This**
8 **contribution was remanded to WG1 and WG3 for review and action**
9 **as appropriate with WG3 coordinating all comments.**
- 10 • TR45: Correspondence to the 3GPP2 SC Chair dated 5 December 2005 regarding
11 TR45 Comments on SC.R4002 v2.0 MEID GHA Assignment Guidelines and
12 Procedures (S00-20051205-040) was presented from TR45. **ACTION: This**
13 **contribution was remanded to the Numbering AdHoc for review and action**
14 **as appropriate.**
- 15 • ITU: An LS to external organizations on the development of a PDNR ITU-R
16 M.[IP CHAR] "Key Technical and Operational Requirements for Access
17 Technologies to Support IP Applications Over Mobile Systems" (S00-20051205-
18 032) was presented from ITU-R WP 8F. **ACTION: This contribution was**
19 **remanded to WG1 for review and action as appropriate.**
- 20 • 3GPP: An LS dated 18 November 2005 regarding Ua Security Protocol Identifier
21 and Organisation Identifier in Generic Bootstrapping Architecture
22 (S00-20051205-028) was presented from 3GPP SA3. **ACTION: This**
23 **contribution was remanded to WG4 for review and action as appropriate.**
- 24 • 3GPP-SA5 and T1M1: The following contribution was discussed:
- 25 • An LS dated 11 November 2005 regarding LS reply to TISPAN WG8 on
26 NGN Management Requirements and Architecture (S00-20051205-029)
27 was presented from 3GPP SA5. **ACTION: This contribution was**
28 **remanded to WG5 for review and action as appropriate.**
- 29 • An LS reply to ITU-T SG4 dated 11 November 2005 on Management
30 Specification Harmonization (S00-20051205-030) was presented from
31 3GPP SA5. **ACTION: This contribution was remanded to WG5 for**
32 **review and action as appropriate.**
- 33 • An LS reply to ITU-T SG4 dated 11 November 2005 on "Response on
34 Alarm status" (S00-20051205-031) was presented from 3GPP SA5.
35 **ACTION: This contribution was remanded to WG5 for review and**
36 **action as appropriate.**

- 1 • WiFi Alliance/IEEE 802: Proposed correspondence to IEEE 802.11 regarding
2 Request for comments on IEEE 802.11u Requirements Document
3 (S00-20051205-042) was presented from TSG-S WG-1 and TSG-X. **ACTION:**
4 **This contribution was remanded to WG1 and WG3 for review and action as**
5 **appropriate with WG1 coordinating all comments.**
- 6 • OMA (Open Mobile Alliance): No contributions.
- 7 • CDG: No contributions.
- 8 • OTHER: No contributions.
- 9 8. NEW/OLD BUSINESS: No contributions.
- 10 9. WG BUSINESS:
- 11 • WG1 ISSUES: Comments on cdma2000-WLAN Interworking Stage 1
12 S.P0087-B v0.7 WLAN - cdma2000 Interworking (S00-20051205-034) was
13 presented from QUALCOMM. **ACTION: This contribution was remanded to**
14 **WG1 for review and action as appropriate.**
- 15 • WG2 ISSUES: No additional contributions or issues were noted.
- 16 • WG3 (PMT) ISSUES: No additional contributions or issues were noted.
- 17 • WG4 ISSUES: The following contribution was discussed:
- 18 • V&V comments regarding S.P0086-B v0.3 IMS Security Framework
19 (S00-20051205-033) was presented from Axalto. **ACTION: This**
20 **contribution was remanded to WG4 for review and action as**
21 **appropriate.**
- 22 • V&V comments for S.P0086 3GPP2 IMS Security Framework
23 (S00-20051205-038) was presented from QUALCOMM. **ACTION:**
24 **This contribution was remanded to WG4 for review and action as**
25 **appropriate.**
- 26 • WG5 ISSUES: No additional contributions or issues were noted.
- 27 • VISION ADHOC ISSUES: No additional contributions or issues were noted.
- 28 • EQUIPMENT NUMBERING ADHOC ISSUES: No additional contributions or
29 issues were noted.
- 30 • OMA ADHOC ISSUES: No additional contributions or issues were noted.
- 31 • UIM ADHOC ISSUES: No additional contributions or issues were noted.
- 32 The SC Advanced Technology Evolution AdHoc Chair, Rich Robinson (Sprint/Nextel), gave a
33 brief overview of his plans for the AdHoc meeting that evening. He noted that most of the
34 activity in this first meeting will be administrative and planning in nature. The TSG-S Chair
35 encouraged support of this AdHoc by the TSG-S participants.
- 36 The Plenary was recessed on 5 December 2005 at 4:30 PM local time.

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CLOSING PLENARY

The Plenary was reconvened on 8 December 2005 at 1:50 PM local time by TSG-S Chair, Nick Yamasaki (KDDI).

Quorum had been established at the opening Plenary and was not challenged at this session. One (1) additional 3GPP2 individual member company was noted in attendance.

10. WORKING GROUP REPORTS:

- WG1 Report (S00-20051205-101) was presented by the WG1 Chair, Alex Gogic (QUALCOMM), as FYI.
 - Progressed the development of the following documents:
 - S.P0087-A WLAN Interworking Stage 1 Revision A
 - S.P0113-0 Enhanced cdma2000 SRD
 - Emergency Call Support on HRPD
 - End-to-end QoS
 - PPP-Free Operation
 - Priority Services
 - A joint meeting with TSG-A and TSG-C to discuss S.P0113-0 Enhanced cdma2000 SRD was held on Tuesday 6 December 2005 evening and Wednesday 7 December 2005 morning. There was insufficient time to complete all contributions and the planned release for TSG review was not achieved. The following additional joint meetings have been scheduled:
 - Conference call on Wednesday 11 January 2006 during the 8:00-10:00 PM US east coast time frame.
 - Face-to-face meeting on Tuesday in Vancouver (17 January 2006) during the 5:30-7:30 PM time frame.
 - A joint meeting with TSG-X ERA was held on Monday 5 December 2005 to discuss IEEE 802.11u issues.

DECISION: Proposed correspondence to TSG-X regarding LS to IEEE 802.11/802.11u (S00-20051205-112) was approved without objection for transmission with its attachment.

DECISION: Proposed correspondence to TSG-A and TSG-C regarding S.P0113 Enhanced cdma2000 SRD joint TSG meeting schedule (S00-20051205-119R1) was approved without objection for transmission with its attachment.

DECISION: The assignment of the following project numbers was approved without objection as follows:

- **S.P0115-0 Emergency Call Support on HRPD Stage 1**

- 1 • **S.P0116-0 PPP-Free Operation Stage 1**
- 2 • **S.P0117-0 Multimedia Priority Services Stage 1**

3 **ACTION: The TSG-S WG1 Development Schedule for December 2005 (S00-**
4 **20051205-101A) was remanded to WG3 and the PMT Coordinator for**
5 **review and action as appropriate.**

- 6 • WG2 Report (S00-20051205-102) was presented by WG2 Chair, John Kay
7 (Motorola), as FYI.
- 8 • Beginning work on S.P0037-A 3GPP2 NAM
- 9 • Publication of S.P0037-0 v4.0 3GPP2 NAM is still on hold pending
10 publication of TSG-X documents

11 No actions requested from Plenary.

- 12 • WG3 PMT Report (S00-20051205-103) was noted by PMT Chair, Eileen
13 Hadwen (NEC), as FYI. This report was not reviewed in detail.

14 **DECISION: The following WIs were approved without objection for TSG**
15 **review as distributed by the PMT Manager:**

- 16 • **3GPP2-00074-A: IOTA-DM-A (S00-20051205-103C)**
- 17 • **3GPP2-00137: Personal Mobility Gateway using IETF RFC 3963**
18 **"Network Mobility (NEMO) Basic Support Protocol" (aka PMG**
19 **using NEMO) (S00-20051205-103D)**

20 **DECISION: The following WIs were approved without objection for SC**
21 **level review as distributed by the PMT Manager as available from the**
22 **3GPP2 website unless indicated as a contribution number below:**

- 23 • **3GPP2-00127: DTX of Speech in cdma2000 Systems**
- 24 • **3GPP2 00128: Revise C.S0017-xxx-A v1.0**
- 25 • **3GPP2-00129: VoIP Quality**

26 The WG3 Report noted specific questions to sponsors of the following WIs:

- 27 • 3GPP2-00022: Location Services
- 28 • 3GPP2-00069: Standardized Packet Data Performance Testing

29 **DECISION: Proposed correspondence to TSG-X regarding OMA LS dated**
30 **17 October 2005 on the Mobile Broadcast Services Specifications (S00-**
31 **20051205-113R2) was approved without objection for transmission with its**
32 **attachments.**

33 **DECISION: Proposed correspondence to TSG-X regarding comments on**
34 **3GPP2-00126 SMS Revision (S00-20051205-133R1) was approved without**
35 **objection for transmission with its attachment.**

1 **DECISION:** Proposed correspondence to TSG-X regarding 1 month
2 **extension for review of work item 3GPP2-00130, HRPD Emergency Call**
3 **Support (S00-20051205-114R1) was approved without objection for**
4 **transmission.**

5 **DECISION:** Proposed correspondence to TSG-C regarding Work Items
6 **3GPP2-00125, 3GPP2-00115, TSG-C-054 (S00-20051205-115R1) was**
7 **approved without objection for transmission.**

8 **DECISION:** Proposed correspondence to all TSGs regarding Release 4
9 **Release Critical Work Items Open Issues (S00-20051205-116R1) was**
10 **approved without objection for transmission with its attachment.**

11 **ACTION:** Proposed correspondence to WG5 regarding Answer to TSG-S
12 **WG5 comments on R-UIM Remote Management Work Item (S00-**
13 **20051205-117) was remanded to WG5 as FYI.**

- 14 • WG4 Report (S00-20051205-104) was presented by WG4 Chair, Adrian Escott
15 (QUALCOMM), as FYI.
- 16 • Progressed the development of the following documents:
 - 17 • S.R0086-B IMS Domain Security
 - 18 • S.P0109-0, S.P0112-0, S.P0114-0 GBA

19 **DECISION:** S.P0109-0 v0.6 Generic Bootstrapping Architecture
20 **Framework (S00-20051205-126) was approved without objection for V&V by**
21 **the 3GPP2 OPs with comments due on or before 30 January 2006.**

22 **DECISION:** S.P0114-0 v0.4 Security Mechanism using GBA
23 **(S00-20051205-127) was approved without objection for V&V by the 3GPP2**
24 **OPs with comments due on or before 30 January 2006.**

25 **DECISION:** S.P0110-0 v0.6 IP Based Location Services Security Framework
26 **(S00-20051205-128) was approved without objection for V&V by the 3GPP2**
27 **OPs with comments due on or before 9 January 2006.**

28 **DECISION:** S.P0086-B IMS Security Framework (S00-20051205-129) was
29 **approved without objection for publication as S.S0086-B v1.0.**

30 **DECISION:** S.P0112-0 GBA System Requirements (S00-20051205-130) was
31 **approved without objection for publication as S.R00112-0 v1.0.**

32 **DECISION:** Proposed correspondence to TIA TR45 regarding resolution of
33 **TIA comments for S.P0086 (S00-20051205-131) was approved without**
34 **objection for transmission with its attachments.**

35 **DECISION:** Proposed correspondence to TSG-X regarding GBA
36 **(S00-20051205-132) was approved without objection for transmission.**

1 • WG5 Report (S00-20051205-105) was presented by John Kay (Motorola), as
2 FYI.

3 • Progressed the development of the following documents:

4 • S.P0028-xxx-C "OAM&P for cdma2000 (3GPP R6 Delta
5 Specification)

6 • S.P0093-0 Definition of Performance Measurement Types

7 Both documents are now being recommended for V&V release.

8 • Deliberations have begun on a draft WI proposal for 3GPP2 Call Trace

9 **DECISION: The following contributions were approved without objection**
10 **for V&V by the 3GPP2 OPs and TSG-S with comments due on or before**
11 **13 January 2006:**

12 • **S.P0028-000-C v0.3 Overview (S00-20051205-120)**

13 • **S.P0028-001-C v0.7 3GPP R6 Delta Specification (S00-20051205-121)**

14 • **S.P0028-002-C v0.3 3GPP2 Generic NRM IRP (S00-20051205-122)**

15 • **S.P0028-003-C v0.4 3GPP2 Core NRM IRP (S00-20051205-123)**

16 • **S.P0028-004-C v0.3 3GPP2 RAN NRM IRP (S00-20051205-124)**

17 **DECISION: S.P0093-0 v1.14 cdma2000 Network Performance**
18 **Measurement Types (S00-20051205-125) was approved without objection for**
19 **V&V by the 3GPP2 OPs and TSG-S with comments due on or before**
20 **13 January 2006.**

21 • The Vision AdHoc did not meet.

22 • The Equipment Numbering AdHoc Report (S00-20051205-107) was presented by
23 AdHoc Chair, Alex Gogic (QUALCOMM), as FYI.

24 • Progressed the development of the following projects:

25 • ESN Exhaust

26 • GHA Assignment Guidelines and Procedures for MEID

27 • Expanded R-UIM Identifier jointly with TSG-X and TSG-C

28 • TIA ESN Administrator, John Derr, was in attendance for these meetings.
29 He noted that MFR codes 212, 213 and 224, previously used for AMPS
30 phone, are now available to be reassigned as UIM_IDs, as decided in last
31 week's TIA TR45 meeting. He also noted that TR45 EUMAG was given
32 action to further investigate issues associated with additional AMPS and
33 AMPS/TDMA code reassignment.

34 • Discussions on Expanded R-UIM ID format continue. In the joint
35 meeting with TSG-X and TSG-C, another delay was agreed on the issue of
36 Expanded UIM Identifier of up to 2 months.

1 **DECISION: Proposed correspondence to TIA TR45 regarding SC.R4002**
2 **GHA Guidelines (S00-20051205-118R1) was approved without objection for**
3 **transmission with its attachment.**

- 4 • The UIM AdHoc did not meet.
- 5 • The OMA AdHoc did not meet.

6
7 11. **ADDITIONAL CORRESPONDENCES AND LIAISON REPORTS:**

- 8 • OP: No contributions.
- 9 • SC: No contributions.
- 10 • 3GPP2 SECRETARIAT: No contributions.
- 11 • TSG-A: No contributions.
- 12 • TSG-C: No contributions.
- 13 • TSG-X: Correspondence dated 5 December 2005 regarding OMA LS dated
14 17 October 2005 on the Mobile Broadcast Services Specifications (S00-
15 20051205-110) was presented from TSG-X. **ACTION: This contribution was**
16 **remanded to WG1 and WG3 as FYI.**
- 17 • TR45: Correspondence dated 7 December 2005 regarding TIA Ballot Comments
18 on S.P0086-B (TIA PN-3-0299) (S00-20051205-111) was presented from TR45
19 AHAG. **ACTION: This contribution was remanded to WG4 as FYI.**
- 20 • TR45 AHAG: No contributions.
- 21 • ITU: No contributions.
- 22 • 3GPP: No contributions.
- 23 • 3GPP-SA5 and T1M1: No contributions.
- 24 • WiFi Alliance/IEEE 802: No contributions.
- 25 • OMA (Open Mobile Alliance): No contributions.
- 26 • CDG: No contributions.
- 27 • OTHER: No contributions.

28 12. NEW BUSINESS (continued): No contributions.

29 13. OLD BUSINESS (continued):

- 30 • The TSG-S Document Status Table (S00-20051205-100) was presented and
31 reviewed. **DECISION: This contribution was approved (S00-20051205-100)**
32 **pending final review by WG Chairs and document Editors by COB next**
33 **Tuesday.**

1 14. ADMINISTRATION AND OTHER BUSINESS:

2 • The following persons were presented Certificate of Achievements by the TSG-S
3 Chair to persons who have made distinguished contributions to the TSG-S work
4 effort in the 2004/2005 timeframe.:

5 • Alex Gogic (QUALCOMM)

6 • Jörg Schmidt (Motorola)

7 • Eileen Hadwen (NEC)

8 • The Chair also noted that this would be the last meeting for Krister Raith
9 (Ericsson). The Chair thanked Krister for his efforts and wished him well in his
10 future endeavors.

11 • The Chair thanked all TSG-S participants for their hard work for this year and
12 encouraged their continued contribution and support for next year.

13 • The future meeting schedule for TSG-S is noted as follows:

16-19 January 2006	The Fairmont Hotel Vancouver in Vancouver, BC, Canada
20-23 February 2006	Cheju, Korea
27-30 March 2006	Dallas Addison Marriott Quorum in Dallas, TX, USA

14
15 • Although not explicitly reviewed during the meeting, the assignments, other than
16 document remands, that were not completed at this meeting are summarized as
17 follows: None.

18 This meeting was adjourned on 8 December 2005 at approximately 4:50 PM local time.

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- 1 A listing of the contributions for this meeting is itemized below:

NUMBER	SUBJECT	SOURCE	ACTION
OPENING PLENARY - 3GPP2-S00-20051205-			
000	CONTRIBUTION REGISTER	SECRETARY	FYI
001	AGENDA	CHAIR	APPROVED
002	Meeting Summary - October 2005 - Beijing, China	SECRETARY	APPROVED R1
003	TSG-C Liaison Report - October 2005	TSG-C LIAISON	FYI
004	TSG-C Liaison Report - 17 November 2005	TSG-C LIAISON	FYI
005	Correspondence dated 28 October 2005 regarding Coordination of Responses to ITU-T SG16 Liaisons #50 and #51	TSG-C	WG1
006	Correspondence dated 28 October 2005 regarding LS to 3GPP2 on the Mobile Broadcast Services Specifications	TSG-C	WG1
007	Correspondence dated 28 October 2005 regarding Review of Work Item Worksheets	TSG-C	WG3
008	Correspondence dated 17 November 2005 regarding China Unicom's Opinion on UIM_ID Extension	TSG-C	NUMBERING ADHOC
009	Correspondence dated 17 November 2005 regarding cdma2000 Enhanced Packet Data Air Interface System	TSG-C	WG1
010	SC/OP Meeting Summary for October 2005 meetings in Beijing	SECRETARY	FYI
011	Correspondence dated 28 October 2005 regarding TSG-A Work Item Review	TSG-A	WG1, WG3
012	Correspondence dated 28 October 2005 to IEEE 802.11 regarding IEEE 802.11u Interworking with External Networks Requirements Document	TSG-X	WG1
013	Correspondence dated 28 October 2005 to IEEE 802.21 regarding Media Independent Handover	TSG-X	WG1
014	Correspondence dated 28 October 2005 regarding TSG-X Feedback on Work Items and ITU Liaisons	TSG-X	WG1, WG3
015	Correspondence dated 28 October 2005 regarding Draft GBA Specifications S.P0112, S.P0109, S.P0114	TSG-X	WG4
016	Correspondence to TSG-A dated 28 October 2005 regarding Network Initiated BCMCS	TSG-X	WG1, WG3
017	Correspondence dated 28 October 2005 regarding OMA LS dated 17 October 2005 on the Mobile Broadcast Services Specifications	TSG-X	WG1, WG3

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NUMBER	SUBJECT	SOURCE	ACTION
018	E-mail correspondence dated 27 October 2005 regarding V&V Review Extension for S.P0086-B v0.3 IMS Security Framework	3GPP2 SECRETARIAT	WG4
019	E-mail correspondence dated 28 October 2005 regarding V&V Review for S.P0112-0 v0.2 Generic Bootstrapping Architecture System Requirements	3GPP2 SECRETARIAT	WG4
020	E-mail correspondences regarding SC level review and approval of S.R0111-0 v1.0 Expanded R-UIM Identifier	3GPP2 SECRETARIAT	WG1
021	E-mail correspondence dated 7 November 2005 regarding SC level approval of S.R0048-A v4.0 3G Mobile Equipment Identifier (MEID) Stage 1	3GPP2 SECRETARIAT	WG1, NUMBERING ADHOC
022	E-mail correspondence dated 8 November 2005 regarding Eight (8) Work Items Adopted	3GPP2 SECRETARIAT	WG3
023	E-mail correspondence dated 3 November 2005 regarding three (3) Work Item Worksheets for review	3GPP2 SECRETARIAT	WG3
024	E-mail correspondence dated 2 November 2005 regarding cancellation of Work Item 3GPP2-00125 (Cross Notification between 3G1X and Alternate Technologies)	3GPP2 SECRETARIAT	WG3
025	Correspondence dated 27 October 2005 regarding proposed WI review	TSG-S/3GPP2 SECRETARIAT	ALL WGs
026	V&V comments for S.P0086-B v0.3 IMS Security Framework	3GPP2 SECRETARIAT	WG4
027	V&V comments for S.P0112-0 v0.2 GBA	3GPP2 SECRETARIAT	WG4
028	LS dated 18 November 2005 regarding Ua Security Protocol Identifier and Organisation Identifier in Generic Bootstrapping Architecture	3GPP SA3	WG4
029	LS dated 11 November 2005 regarding LS reply to TISPAN WG8 on NGN Management Requirements and Architecture	3GPP SA5	WG5
030	LS reply to ITU-T SG4 dated 11 November 2005 on Management Specification Harmonization	3GPP SA5	WG5
031	LS reply to ITU-T SG4 dated 11 November 2005 on "Response on Alarm status"	3GPP SA5	WG5
032	LS to external organizations on the development of a PDNR ITU-R M.[IP CHAR] "Key Technical and Operational Requirements for Access Technologies to Support IP Applications Over Mobile Systems"	ITU-R WP 8F	WG1
033	V&V comments regarding S.P0086-B v0.3 IMS Security Framework	AXALTO	WG4

NUMBER	SUBJECT	SOURCE	ACTION
034	Comments on cdma2000-WLAN Interworking Stage 1 S.P0087-B v0.7 WLAN - cdma2000 Interworking	QUALCOMM	WG1
035	E-mail correspondence dated 29 November 2005 regarding Changes to Approved Work Items	3GPP2 SECRETARIAT	WG3
036	3GPP2 Drafting Rules Topics	WPD ADHOC	ALL WGs
037	3GPP2 Volunteer Appreciation Luau	3GPP2 SECRETARIAT	FYI
038	V&V comments for S.P0086 3GPP2 IMS Security Framework	QUALCOMM	WG4
039	3GPP2 Workplan files - December 2005	3GPP2 SECRETARIAT	ALL WGs
040	Correspondence to the 3GPP2 SC Chair dated 5 December 2005 regarding TR45 Comments on SC.R40002 v2.0 MEID GHA Assignment Guidelines and Procedures	TR45	NUMBERING ADHOC
041	Correspondence dated 5 December 2005 regarding 3GPP2 workplan updates	TSG-C	WG3
042	Proposed correspondence to IEEE 802.11 regarding Request for comments on IEEE 802.11u Requirements Document	TSG-S WG-1 and TSG-X	APPROVAL
CLOSING PLENARY - 3GPP2-S00-20051205-			
100	Document Status Table	WG1	APPROVAL
101	WG1 Report	WG1	FYI
102	WG2 Report	WG2	FYI
103	PMT Report	WG3	FYI WIs APPROVED
104	WG4 Report	WG4	FYI
105	WG5 Report	WG5	FYI
106	Vision AdHoc Report	NOT SUBMITTED	N/A
107	Numbering AdHoc Report	NUMBERING ADHOC	FYI
108	UIM AdHoc Report	NOT SUBMITTED	N/A
109	OMA AdHoc Report	NOT SUBMITTED	N/A
110	Correspondence dated 5 December 2005 regarding OMA LS dated 17 October 2005 on the Mobile Broadcast Services Specifications	TSG-X	WG1, WG3
111	Correspondence dated 7 December 2005 regarding TIA Ballot Comments on S.P0086-B (TIA PN-3-0299)	TIA AHAG	WG4
112	Proposed correspondence to TSG-X regarding LS to IEEE 802.11/802.11u	WG1	APPROVAL

NUMBER	SUBJECT	SOURCE	ACTION
113	Proposed correspondence to TSG-X regarding OMA LS dated 17 October 2005 on the Mobile Broadcast Services Specifications	WG3	APPROVED R2
114	Proposed correspondence to TSG-X regarding 1 month extension for review of work item 3GPP2-00130, HRPD Emergency Call Support	WG3	APPROVED R1
115	Proposed correspondence to TSG-C regarding Work Items 3GPP2-00125, 3GPP2-00115, TSG-C-054	WG3	APPROVED R1
116	Proposed correspondence to all TSGs regarding Release 4 Release Critical Work Items Open Issues	WG3	APPROVED R1
117	Proposed correspondence to WG5 regarding Answer to TSG-S WG5 comments on R-UIM Remote Management Work Item	WG3	WG5
118	Proposed correspondence to TIA TR45 regarding SC.R4002 GHA Guidelines	NUMBERING ADHOC	APPROVED R1
119	Proposed correspondence to all TSGs regarding S.P0113 Enhanced cdma2000 SRD joint TSG meeting schedule.	S.P0113 SRD COORDINATOR	APPROVED R1
120	S.P0028-000-C v0.3 Overview proposed V&V text	WG5	APPROVED
121	S.P0028-001-C v0.7 3GPP R6 Delta Specification proposed V&V text	WG5	APPROVED
122	S.P0028-002-C v0.3 3GPP2 Generic NRM IRP proposed V&V text	WG5	APPROVED
123	S.P0028-003-C v0.4 3GPP2 Core NRM IRP proposed V&V text	WG5	APPROVED
124	S.P0028-004-C v0.3 3GPP2 RAN NRM IRP proposed V&V text	WG5	APPROVED
125	S.P0093-0 v1.14 cdma2000 Network Performance Measurement Types proposed V&V text	WG5	APPROVED
126	S.P0109-0 v0.6 Generic Bootstrapping Architecture Framework proposed V&V text	WG4	APPROVED
127	S.P0114-0 v0.4 Security Mechanism using GBA proposed V&V text	WG4	APPROVED
128	S.P0110-0 v0.6 IP Based Location Services Security Framework proposed V&V text	WG4	APPROVED
129	S.P0086-B IMS Security Framework proposed publication text	WG4	APPROVED
130	S.P0112-0 GBA System Requirements proposed publication text	WG4	APPROVED

NUMBER	SUBJECT	SOURCE	ACTION
131	Proposed correspondence to TIA TR45 regarding resolution of TIA comments for S.P0086	WG4	APPROVED
132	Proposed correspondence to TSG-X regarding GBA	WG4	APPROVED
133	Proposed correspondence to TSG-X regarding comments on 3GPP2-00126 SMS Revision	WG3	APPROVED R1

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PUBLISHED TSG-S SPECIFICATIONS AND REPORTS		
NUMBER	TITLE	RESP
S.R0003-0	3GPP2 System Capability Guide v1.0	WG1
S.R0003-A	3GPP2 System Capability Guide v1.0	WG1
S.R0004-0	3GPP2 Service Implementation Guide v1.0	WG1
S.R0005-A	3GPP2 Network Reference Model (Rev. A) v1.0	WG2
S.R0005-B	3GPP2 Network Reference Model (Rev. B) v1.0	WG2
S.R0006-0	Cellular Features Description (TIA/EIA-664-A Rev A) v1.0	WG1
S.R0007-0	User Selective Call Forwarding (Stage 1) v2.1	WG1
S.R0008-0	Answer Hold (Stage 1) v2.0	WG1
S.R0009-0	User Identity Module (Stage 1) (PN-4582) v1.0	UIM ID ADHOC
S.R0010-0	Preferred Language Enhancement (Stage 1) (PN-4289) v1.0	WG1
S.R0011-0	Advice of Charge (Stage 1) (PN-4289) v1.0	WG1
S.R0012-0	Rejection of Undesired Annoying Calls (Stage 1) (PN-4289) v1.0	WG1
S.R0013-0	Global Emergency Call Origination (Stage 1) v1.0	WG1
S.R0014-0	Tandem Free Operation (Stage 1) v1.0	WG1
S.R0015-0	ISDN Interworking (Stage 1) v1.0	WG1
S.R0016-0	Automatic Code Gapping (Stage 1) v2.0	WG1
S.R0017-0	3G Wireless Network Management System High Level Requirements (Stage 1) v1.0	WG5
S.R0018-0	Prepaid Services (Stage 1) (PN-4287) v1.0	WG1
S.R0019-0	Location Based System Services (LBSS) Stage 1 v1.0	WG1
S.R0021-0	Multimedia Streaming Stage 1 v1.0	WG1
S.R0022-0	Video Conferencing Stage 1 v1.0	WG1
S.R0023-0	High Speed Data Enhancements for cdma2000 1x Stage 1 - Data Only v2.0	WG1
S.R0024-0	WLL Stage 1 v1.0	WG1
S.R0025-0	WPP Stage 1 v1.0	WG1
S.R0026-0	High Speed Data Enhancements for cdma2000 1x Stage 1 - Integrated Data and Voice (1xEV-DV) v1.0	WG1
S.R0027-0	Personal Mobility Stage 1 v1.0	WG1
S.S0028-0	OAM&P Specification v1.0	WG5
S.S0028-0	OAM&P Specification v2.0	WG5
S.S0028-0	OAM&P Specification v3.0	WG5
S.S0028-A	OAM&P Specification v3.0	WG5
S.S0028-xxx-B	OAM&P Specification v2.0 - parts 000 through 004	WG5
S.R0029-0	Access control based on call type Stage 1 v1.0	WG1
S.R0030-0	Broadcast Multicast Services Stage 1 v1.0	WG1
S.R0030-A	Broadcast Multicast Services Stage 1 v1.0	WG1
S.R0032-0	ESA and ESP Stage 1 v1.0	WG1

PUBLISHED TSG-S SPECIFICATIONS AND REPORTS		
NUMBER	TITLE	RESP
S.R0033-0	Realm Configured Packet Data Session Dormancy Timer Stage 1 v1.0	WG1
S.R0034-0	UIM ID Assignment Guidelines v2.0	UIM
S.R0035-0	RESCINDED: Superseded by S.R0079-0	WG1
S.R0037-0	3GPP2 NAM v3.0	WG2
S.R0038-0	3GPP2 Evolution Document v2.0	WG2
S.R0045-0	RESCINDED 21 July 2005	WG1
S.R0046-0	RESCINDED 21 July 2005	WG1
S.R0047-0	RESCINDED 21 July 2005	WG1
S.R0048-0	MEID Stage 1 v1.0	NUM ADHOC
S.R0048-A	MEID Stage 1 v4.0	NUM ADHOC
S.R0050-0	RESCINDED 21 July 2005	WG1
S.R0051-0	EMS Stage 1 v1.0	WG1
S.R0052-0	3GPP2 System Release Guide v1.0	WG3
S.S0053-0	Common Cryptographic Algorithms v1.0	WG4
S.S0054-0	Interface Specification for Common Cryptographic Algorithms v1.0	WG4
S.S0055-0	Enhanced Cryptographic Algorithms v1.0	WG4
S.S0055-A	Enhanced Cryptographic Algorithms v3.0	WG4
S.R0057-0	IP Based Service Architecture System Requirements v1.0	WG1
S.R0058-0	IP Multimedia Domain System Requirements v1.0	WG1
S.R0059-0	Legacy MS Domain Step-1 v1.0	WG1
S.R0060-0	Removable User Identity Module (R-UIM) Mobile Equipment (ME) Interface Testing v1.0	UIM ID ADHOC
S.R0061-0	Immediate Messaging v1.0	WG1
S.R0062-0	Presence Service v1.0	WG1
S.R0064-0	Multimedia Messaging Stage 1 v1.0	WG1
S.R0064-A	Multimedia Messaging Stage 1 v1.0	WG1
S.R0065-0	Fast Call Setup Stage 1 v1.0	WG1
S.R0066-0	IP Based Location Services Stage 1 v1.0	WG1
S.R0067-0	Enhanced Call Recovery Stage 1 v1.0	WG1
S.R0068-0	LLA_ROHC Stage 1 v1.0	WG1
S.R0069-0	Header Stripping and Generation Stage 1 v1.0	WG1
S.R0070-0	3GPP2 Process Guidelines v1.0	WG1
S.R0070-A	PUBLISHED AS SC.R1003-0	WG3
S.R0071-0	Legacy System Packet Data Surveillance Requirements v1.0	WG4
S.R0072-0	IP System Packet Data Surveillance Requirements v1.0	WG4
S.R0073-0	Internet Over-the-Air Handset Configuration Management v1.0	WG1
S.R0074-0	Multimedia File Format Stage 1 v1.0	WG1
S.R0075-0	Accounting and Auditing Stage 1 v1.0	WG1

PUBLISHED TSG-S SPECIFICATIONS AND REPORTS		
NUMBER	TITLE	RESP
S.R0077-0	3GPP2 Vision Document - PUBLISHED AS SC.R5001-0	VISION ADHOC
S.S0078-0	Common Security Algorithms v1.0	WG4
S.S0078-A	Common Security Algorithms v3.0	WG4
S.R0079-0	End-to-End QoS Stage 1 v1.0	WG1
S.R0080-0	Wide Band Speech Codec for CDMA 2000 Systems Stage 1 v1.0	WG1
S.R0082-0	Enhanced Packet Data Air Interface Security Stage 1 v1.0	WG4
S.R0083-0	Broadcast-Multicast Service Security Framework v1.0	WG4
S.S0083-0	Broadcast-Multicast Service Security Framework v1.0	WG4
S.R0084-0	Packet PrePaid Services Stage 1 v1.0	WG1
S.S0086-0	3GPP2 IMS Security Framework v1.0	WG4
S.S0086-A	3GPP2 IMS Security Framework v1.0	WG4
S.S0086-B	3GPP2 IMS Security Framework v1.0	WG4
S.R0087-0	WLAN - cdma2000 Interworking v1.0	WG1
S.R0088-0	PUBLISHED AS SC.R4001-0	NUM ADHOC
S.R0089-0	PUBLISHED AS SC.R4002-0	NUM ADHOC
S.R0090-0	Network Initiated Data Sessions (NIDS) v1.0	WG1
S.R0092-0	LMSD Step 2 Stage 1 v1.0	WG1
S.S0093-0	cdma2000 Network Performance Measurement Types v1.0	WG5
S.R0094-0	Rm Interface Enhancements v1.0	WG1
S.R0095-0	Support for ISIM on UICC v1.0	WG1
S.R0096-0	TrFO v1.0	WG1
S.R0097-0	PUBLISHED AS SC.R1001-0	WG3
S.R0099-0	PUBLISHED AS SC.R1002-0	WG3
S.R0100-0	System Requirements for PoC v1.0	WG1
S.R0101-0	IOTA DM Stage 1 v1.0	WG1
S.R0102-0	PUBLISHED AS SC.P2001-0	WG3
S.R0103-0	Network Firewall Configuration and Control Stage 1 v1.0	WG1
S.R0104-0	HAT Authentication System Requirements v1.0	WG1
S.R0105-0	Hotlining System Requirements v1.0	WG1
S.R0106-0	Packet Switched Video Telephony (PSVT) Stage 1 v1.0	WG1
S.R0111-0	Expanded R-UIM Identifier Stage 1 v1.0	WG1
S.R0112-0	General Bootstrapping Architecture (GBA) Stage 1 Requirements v1.0	WG1

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TSG-S PROJECTS IN DEVELOPMENT		
NUMBER	TITLE	RESP
S.P0020-0	Location Information Restriction (LIR) Stage 1	WG1
S.P0028-xxx-C	OAM&P specification v.2.0 - parts 000 through 004	WG5
S.P0036-0	All IP System Capability Guide	WG1
S.P0037-0	3GPP2 NAM v4.0	WG2
S.P0037-A	3GPP2 NAM v1.0	WG2
S.P0041-0	UIM Support in All IP Networks	UIM ID ADHOC
S.P0044-0	Rescue Channel Stage 1	WG1
S.P0063-0	RESCINDED	WG1
S.P0076-0	Protocol Alignment Reference	WG3
S.P0081-0	Wireless Applications Management	WG1
S.P0085-0	3GPP2 Equipment Numbering JEM Report and Conclusions - WITHDRAWN TO BE INCLUDED AS AN ANNEX IN S.R0048 MEID STAGE 1	NUM ADHOC
S.P0087-A	WLAN - cdma2000 Interworking	WG1
S.P0091-0	WITHDRAWN	
S.P0093-0	cdma2000 Network Performance Measurement Types v.2.0	WG5
S.P0098-0	RESCINDED - 2/17/05 - Functionality included in X.P0028	WG4
S.P0107-0	RESCINDED - 4/20/05 - Unsponsored WI	WG1
S.P0108-0	HRPD-cdma2000 1x Interworking System Requirements	WG1
S.P0109-0	General Bootstrapping Architecture (GBA) Stage 2/3 specification	WG4
S.P0110-0	Location Services Security Framework Report	WG4
S.P0113-0	Enhanced cdma2000 SRD	WG1
S.P0114-0	Security Mechanisms Using GBA	WG4
S.P0115-0	Emergency Call Support on HRPD Stage 1	WG1
S.P0116-0	PPP-Free Operation Stage 1	WG1
S.P0117-0	Multimedia Priority Services Stage 1	WG1

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3GPP2 QUORUM ROLL CALL
TSG-S (Systems and Services Aspects)
 Maui, HI, USA
 9-Dec-05

INDIVIDUAL MEMBER COMPANY	Attendance 12/5/2005	Attendance 12/9/2005	Consecutive Mtgs Missed	Voting Status	Quorum Status at Mtg Start
AIRVANA			3	0	0
ALLTEL	1		0	1	1
AXALTO	1		0	1	1
BELL MOBILITY			3	0	0
CHINA UNICOM	1		3	0	0
COMVERSE			2	0	0
DOCOMO US LABORATORIES			3	0	0
ERICSSON	1		0	1	1
ETRI			3	0	0
FRANCE TELECOM			3	0	0
FUJITSU	1		0	1	1
GEMPLUS			1	0	0
HUAWEI	1		3	0	0
HEWLETT PACKARD		1	1	1	1
HITACHI			3	0	0
KDDI	1		0	1	1
KYOCERA	1		1	1	1
LG ELECTRONICS	1		0	1	1
LG TELECOM	1		0	1	1
LUCENT	1		0	1	1
MOTOROLA	1		0	1	1
NATIONAL COMMUNICATIONS SYS			1	0	0
NEC	1		0	1	1
NOKIA	1		0	1	1
NORTEL NETWORKS	1		0	1	1
QUALCOMM	1		0	1	1
RESEARCH IN MOTION			1	1	1
SAMSUNG	1		0	1	1
SK TELECOM			3	0	0
SPRINT/NEXTEL	1		1	1	1
TELCORDIA	1		1	0	0
TELUS			1	0	0
US CELLULAR			1	0	0
VERIZON WIRELESS			1	0	0
TOTALS	16	1		21	21
QUORUM CALCULATION	76%	5%			
ADDITIONS					
CISCO	1				0
					0
					0
					0
					0
OBSERVERS AND GUESTS					
ARIB	1				
CDG	1				

QUORUM STATUS NOTES:

- HIGHLIGHTED ZERO = Must attend 2 consecutive mtgs to be added to quorum list
- NON-HIGHLIGHTED ZERO = Will be added to quorum list next mtg if they attend
- P = Letter of Proxy in effect