1   **Title:**

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

3   **for 28-31 March 2011 in Seoul, Korea**

4   **Source:**

5   Clifton J. Barber

6   TSG-S SECRETARY

7

8   Representing KDDI
9   CJ Barber Consulting Services
10   3028 Saint Andrews Court
11   Jonesboro, GA 30236
12   (770) 210-2988
13   (770) 456-4099 fax
14   cbarber@cjbarberconsulting.com

15

16   **Abstract:**

17   This document is a summary of the 3GPP2 TSG-S meetings that were held during the period of
18   28-31 March 2011 in Seoul, Korea.

19

20   **Recommendations:**

21   For review and approval.

22

23   **Notice:**

1 During the period of 28-31 March 2011, 3GPP2 TSG-C meetings were held at the Grand Hyatt Seoul
2 Hotel in Seoul, Korea.   This document is intended to summarize those proceedings.

3

4 **OPENING PLENARY**

5 1.   **CALL TO ORDER AND OPENING REMARKS:** The meeting was called to order on
6   Monday 28 March 2011 at 1:45 PM local time by TSG-S Chair, Nick Yamasaki (KDDI).

7   The Chair expressed his gratitude to everyone who expressed their concern for the Japanese
8   participants of 3GPP2 in light of the severe disaster in that country. He led TSG-S in a moment
9   of silence.

10   The Chair welcomed everyone to Seoul.

11   The meeting participants were requested to sign-in electronically using the server sign-in facility.
12   The Chair noted that the URL for TSG-S sign-in is http://tsgs.3gpp2.net. The contributions are
13   also located at ftp://ftp.3gpp2.net.

14 2.   **ATTENDANCE REGISTRATION AND ROLL CALL:** A roll call of companies indicated
15   that 12 companies included on the list of 14 active quorum members were present (86%
16   participation). Thus, meeting quorum was achieved.

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

18 3.   **INTRODUCTION AND NUMBERING OF CONTRIBUTIONS:** Contributions were loaded
19   onto the 3GPP2 LAN server and listed in the document register (S00-20110328-000).

20 4.   **AGENDA APPROVAL:** The proposed agenda (S00-20110328-001) was presented.

21   The following events for the week were noted:

22 •   A joint TSG meeting will be hosted by TSG-S WG1on Monday during the 5:00-7:00 PM
23   time slot in the TSG-C Plenary Room to discuss the M2M SRD.

24 •   A joint TSG lunch time session will be held on Tuesday in the TSG-S Plenary room to
25   finalize the Release 6 System Release Guide.

26 •   A Joint WG1/WG4 meeting on ETSI SCP (Smart Card Platform) WI for eUICC will be
27   held on Tuesday during the 4:00-5:00 PM time slot.

28 •   SC M2M Numbering AdHoc will meet on Tuesday during the 5-7 PM time slot in the
29   TSG-C room.

30 •   A joint meeting between WG1 and TSG-X MMD will be held to discuss USSD
31   (Unstructured Supplementary Services Data) on Wednesday during the 1:30-2:30 PM
32   time slot in the TSG-S meeting room.

33 •   A joint meeting between WG1, TSG-A, and energy Saving RAN experts from other
34   TSGs will be held on Wednesday during the 5:00-6:30 PM time slot in the TSG-A
35   meeting room.

1 **DECISION: The agenda was approved without objection as modified by the discussion**
2 **(S00-20110328-001R1).**

3 5. **APPROVAL OF PREVIOUS MEETING SUMMARY:** The summary of the TSG-S meeting
4 for January 2011 that was held in Seattle, WA, USA (S00-20110328-002) was presented.
5 **DECISION: This meeting summary was approved without objection as modified by the**
6 **discussion (S00-20110328-002R1).**

7 6. **REVIEW OF OUTSTANDING ACTIONS FROM PREVIOUS MEETING:** The action
8 items from the January 2011 face-to-face meeting were noted as follows:

9 NONE

10 7. **CORRESPONDENCE AND LIAISON REPORTS:**

11 • **OP:** No contributions or discussion.

12 • **SC:** Correspondence to all TSGs dated 15 March 2011 regarding M2M and Mobile
13 Directory Numbers (MDN) (S00-20110328-021) was presented from the SC M2M
14 Numbering AdHoc. **ACTION: This contribution was remanded to all WGs for**
15 **review and comment with comments to be coordinated by WG1 by the closing**
16 **Plenary.**

17 • **3GPP2 SECRETARIAT:** The following contributions were discussed:

18 • E-mail correspondence to 3GPP2 OPs regarding TSG-S Notification of 3GPP2
19 TSG-S Development of a 3GPP2 Technical Document - S.R0146-0 Machine-to-
20 Machine (M2M) (S00-20110328-007) was presented from the 3GPP2 Secretariat.
21 **ACTION: This contribution was remanded to WG1 as FYI.**

22 • E-mail correspondence to 3GPP2 OPs regarding TSG-S Notification of 3GPP2
23 TSG-S Development of a 3GPP2 Technical Document - S.R0147-0 System
24 Requirements for Unstructured Supplementary Services Data (S00-20110328-
25 008) was presented from the 3GPP2 Secretariat. **ACTION: This contribution**
26 **was remanded to WG1 as FYI.**

27 • E-mail correspondence to 3GPP2 OPs regarding TSG-S Notification of 3GPP2
28 TSG-S Development of a 3GPP2 Technical Document - S.R0148-0 Dynamic
29 RAN Power Management Stage 1 Requirements (S00-20110328-009) was
30 presented from the 3GPP2 Secretariat. **ACTION: This contribution was**
31 **remanded to WG1 as FYI.**

32 • E-mail correspondences regarding SC level review and approval of 12 WI
33 worksheets (S00-20110328-010) was presented from the 3GPP2 Secretariat.
34 **ACTION: This contribution was remanded to WG3 as FYI.**

35 • E-mail correspondence dated 31 January 2011 regarding cancellation of 3GPP2-
36 00192 Interworking of HRPD/1x with UMB (S00-20110328-011) was presented
37 from the 3GPP2 Secretariat. **ACTION: This contribution was remanded to**
38 **WG3 as FYI.**

- MEID Administration Report for the period ending 30 September 2011 (S00-20110328-012) was presented from the 3GPP2 Secretariat. **ACTION: This contribution was remanded to WG1 for review and comment.**

- MEID Administration Report for the period ending 31 October 2011 (S00-20110328-013) was presented from the 3GPP2 Secretariat. **ACTION: This contribution was remanded to WG1 for review and comment.**

- E-mail correspondence dated 16 February 2011 regarding Motorola (Solutions & Mobility) 3GPP2 Quorum/Voting Rights (S00-20110328-014) was presented from the 3GPP2 Secretariat as FYI for TSG-S.

- E-mail correspondence dated 10 February 2011 regarding GSC-16 presentation from Dr. Ramjee Prasad, from GISFI (Global Industry Standardisation Forum of India) (S00-20110328-015) was presented from the 3GPP2 Secretariat as FYI for TSG-S.

- E-mail correspondence dated 22 February 2011 regarding WPD v13.0 Approved (S00-20110328-016) was presented from the 3GPP2 Secretariat. **ACTION: This contribution was remanded to all WGs as FYI.**

- E-mail correspondence dated 25 January 2011 regarding V&V release for S.P0144-0 v0.3 1x Calling Party Number Presentation (CPNP) during e1xCSFB (S00-20110328-017) was presented from the 3GPP2 Secretariat. **ACTION: This contribution was remanded to WG1 for review and comment.**

- TSG-S correspondence to all TSGs dated 11 February 2011 regarding Release of WIs for TSG Review (S00-20110328-018) was presented from the 3GPP2 Secretariat. **ACTION: This contribution was remanded to WG3 for review and comment.**

- E-mail correspondence dated 14 March 2011 regarding News about Henry Cuschieri (S00-20110328-019) was presented from the 3GPP2 Secretariat as FYI for TSG-S.

- 3GPP2 Workplan files for March 2011 (S00-20110328-020) was presented from the 3GPP2 Secretariat. **ACTION: This contribution was remanded to all WGs for review and comment with comments to be coordinated by WG3.**

- 3GPP2 2012 Calendar Options (S00-20110328-029) was presented from the 3GPP2 Secretariat. **ACTION: This contribution was remanded to all WGs for review and comment by the closing Plenary.**

- **TSG-A:** Correspondence dated 28 March 2011 regarding TSG-A Work Item, Stage 1, LS, and SC Documents for Review (S00-20110328-031) was presented from TSG-A. **ACTION: This contribution was remanded to WG3 for review and action as appropriate.**

1 • **TSG-C:** The following contributions were discussed:

2 • TSG-C Liaison Report for January 2011 (S00-20110328-003) was presented from
3 the TSG-C Liaison as FYI for TSG-S. **ACTION: Attachments A and B were**
4 **remanded to WG3 for review and action as appropriate.**

5 • TSG-C Liaison Report for their interim Plenary conference call on 17 February
6 2011 (S00-20110328-004) was presented from the TSG-C Liaison as FYI for
7 TSG-S.

8 • Correspondence dated 28 January 2011 regarding Status of TSG-C review of
9 3GPP2 Work Items (S00-20110328-005) was presented from TSG-C. **ACTION:**
10 **This contribution was remanded to WG3 for review and action as**
11 **appropriate.**

12 • Correspondence to the PMT Coordinator dated 28 January 2011 regarding TSG-C
13 review of Work Plan Questions (S00-20110328-006) was presented from TSG-C.
14 **ACTION: This contribution was remanded to WG3 for review and action as**
15 **appropriate.**

16 • TSG-C WI TSGC-164 "Add support for EVRC SOs 68, 70, and 73 to vocoder
17 related documents" (S00-20110328-030) was presented from TSG-C. **ACTION:**
18 **This contribution was remanded to WG3 for review and action as**
19 **appropriate.**

20 • **TSG-X:** No contributions or discussion.

21 • **TIA:** The following contributions were discussed:

22 • Correspondence dated 7 March 2011 regarding S.P0144-0 1x Calling Party
23 Number Presentation (CPNP) during CSFB and eCSFB Stage 1 (S00-20110328-
24 022) was presented from TIA TR45.8. **ACTION: This contribution was**
25 **remanded to WG1 for review and action as appropriate.**

26 • Correspondence dated 7 March 2011 regarding S.R0140-0 v1.0 Study for Green
27 Revised Energy Efficient Network (GREEN) Technology Initiatives for
28 cdma2000 Wireless Networks (S00-20110328-023) was presented from TIA
29 TR45.8. **ACTION: This contribution was remanded to WG1 for review and**
30 **action as appropriate.**

31 • Comments regarding SC.P4002-0 v6.1 GHA Assignment Guidelines and
32 Procedures (S00-20110328-027) were presented from TIA EUMAG. **ACTION:**
33 **This contribution was remanded to WG1 for review and action as**
34 **appropriate.**

35 • Comments regarding SC.P4001-0 v2.2 Global Wireless Equipment Numbering
36 Procedures (S00-20110328-028) were presented from TIA EUMAG. **ACTION:**
37 **This contribution was remanded to WG1 for review and action as**
38 **appropriate.**

39 • **ITU:** No contributions or discussion.

1 • **3GPP:** An LS dated 18 February 2011 regarding response on LS on display of
2 duplicated numbers in the phone book (S00-20110328-024) was presented from 3GPP
3 SA1. **ACTION: This contribution was remanded to WG1 for review and action as**
4 **appropriate.**

5 • **3GPP TSG-SA5 and T1M1:** No contributions or discussion.

6 • **IEEE or WiFi Alliance:** No contributions or discussion.

7 • **OMA:** No contributions or discussion.

8 • **CDG:** No contributions or discussion.

9 • **FEMTO FORUM:** No contributions or discussion.

10 • **Other:** LS dated 4 March 2011 regarding Liaison Statement on new Work Item for
11 eUICC (S00-20110328-025) was presented from ETSI TC SCP. **ACTION: This**
12 **contribution was remanded to WG1 and WG4 for review and comment with**
13 **comments to be coordinated by WG1.**

14 8. **NEW/OLD BUSINESS:** No contributions or discussion.

15 9. **WORKING GROUP AND ADHOC BUSINESS:**

16 • **WG1 REQUIREMENTS:** V&V comments regarding S.R0144-0 v0.3 1x Calling Party
17 Number Presentation (CPNP) during CSFB and eCSFB Stage 1 (S00-20110328-026)
18 were presented from Motorola Solutions. **ACTION: This contribution was remanded**
19 **to WG1 for review and action as appropriate.**

20 • **WG2 ARCHITECTURE AND OAM&P:** No contributions or discussion.

21 • **WG3 PMT:** TSG-S correspondence to all TSGs dated 11 February 2011 regarding
22 Release of WIs for TSG Review (S00-20110328-018) was presented from WG3.
23 **ACTION: This contribution was remanded to all WGs for review and comment**
24 **with comments to be coordinated by WG3.**

25 • **WG4 SECURITY:** No contributions or discussion.

26 • **3GPP2 VISION ADHOC:** No contributions or discussion.

27 This session was recessed on 28 March 2011 at 3:01 PM local time.

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31 **CLOSING PLENARY**

32 The meeting was reconvened on Thursday 31 March 2011 at 1:30 PM local time by TSG-S Chair, Nick
33 Yamasaki (KDDI).

34 Quorum was established at the opening Plenary and not challenged at this time. Two (2) additional
35 3GPP2 individual member companies on the active TSG-S roster were noted in attendance.

1 Participants were also requested to make sure they have signed-in on the electronic sign-in sheet.

2 **10.   WORKING GROUP REPORTS:**

3 • **WG1 REPORT:** The WG1 report (S00-20110328-101) was presented by WG1 Chair,
4 Alex Gogic (Qualcomm), as FYI.

5 • Documents being recommended for publication:
6 • S.P0144-0 v1.0 Calling Party Number Presentation in CS Fallback
7 • SC.P4002-0 GHA Assignment Guidelines and Procedures for MEID
8 proposed publication text
9 • SC.P4001-0 Global Wireless Equipment Numbering Administration
10 Procedures

11 • Documents being recommended for V&V review: NONE

12 • Documents being recommended for TSG review:
13 • S.P0147-0 v0.2 USSD System Requirements Document

14 • Progressed the development of the following:
15 • Femto Cells and Pico Cells
16 • M2M Communication
17 • Calling Party Number Presentation in CSFB
18 • GREEN Technology Initiative and RAN Power Management
19 • Unstructured Supplementary Services Data (USSD)
20 • Embedded UICC
21 • Calling Line Identity Presentation (CLIP)
22 • Equipment Numbering Issues
23 • ITU Liaisons on QoS and Sensor Networks

24 • Held inaugural joint TSG session regarding M2M SRD on Monday evening.

25 • Held joint meeting with TSG-A WG3 and other TSG experts regarding Energy
26 Saving RAN issues. A more detailed summary of those discussions was noted as
27 S00-20110328-101B.

28 • TIA Legal Comments on GREEN Study (S.P0140) were deferred to the Dallas
29 meeting due to lack of time.

30 • Interim WG1 conference calls have been scheduled as follows:
31 • 3 May 2011, 5 to 7 PM Pacific Time (North America) to discuss M2M
32 SRD.
33 • 5 May 2011, 6 to 8 AM Pacific Time (North America) to discuss eUICC

34 • Plan for Dallas meeting:
35 • Monday 5-7 PM   Joint TSG meeting on M2M SRD
36 • Tuesday 3-5 PM   Joint TSG meeting on eUICC

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DECISION: Proposed response to SC M2M Numbering AdHoc regarding M2M and Mobile Directory Numbers (MDN) (S00-20110328-121R1) was approved without objection for transmission.

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DECISION: S.P0144-0 Calling Party Number Presentation (CPNP) during CSFB/(e)CSFB (S00-20110328-118) was approved without objection for publication as S.R0144-0 v1.0.

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DECISION: V&V Comment Disposition Record on S.P0144-0 (S00-20110328-119) was approved without objection for distribution as required.

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DECISION: Proposed correspondence to TIA TR45.8 regarding V&V Comment Resolution on S.P0144-0 (S00-20110328-120R1) was approved without objection for transmission with S00-20110328-118 and S00-20110328-119 attached.

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DECISION: S.P0147-0 v0.2 USSD System Requirements (S00-20110328-115R1) was approved without objection for TSG Review with comments due on or before 15 July 2011.

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DECISION: Proposed correspondence to TSGs regarding review of S.P0147-0 USSD SRD (S00-20110328-116R1) was approved without objection for transmission with S00-201103228-115 attached.

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DECISION: Proposed correspondence to ETSI SCP regarding Embedded UICC Requirements (S00-20110328-117R1) was approved without objection for transmission.

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DECISION: SC.P4002-0 GHA Assignment Guidelines and Procedures for MEID (S00-20110328-123) was approved without objection for publication as SC.R4002-0 v7.0.

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DECISION: SC.P4001-0 Global Wireless Equipment Numbering Administration Procedures (S00-20110328-123) was approved without objection for publication as SC.R4001-0 v3.0.

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DECISION: Proposed correspondence to 3GPP2 SC regarding copyright license for SC.R4001 to GSMA (S00-20110328-122R1) was approved without objection for transmission with its attachment (122AR2).

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ACTION: The WG1 Development Schedule (S00-20110328-101AR1) was remanded to WG3 and the PMT Coordinator for review and action as appropriate.

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- **WG2 REPORT:** The WG2 report (S00-20110328-102) was presented by WG2 Chair, Scott Marin (Motorola Solutions), as FYI.

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- Documents being recommended for publication: NONE

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- Documents being recommended for V&V review: NONE

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- Documents being recommended for TSG review: NONE

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- Work was progressed this week on the following:

- Pending initiation of R&F in TSG-X for X.S0059-A, which is expected out of the March meeting, work is likely to start on the S.R0135, Femto NAM, at the May meeting.
- Pending architectural consensus in the all-TSG M2M discussions hosted by TSG-X, work may soon start on an M2M NAM or an update to ALLIP NAM to incorporate M2M entities.

- Topics for WG2 in 2012 are expected to include:

    1) DRPM (which may have a lot of O&M and architecture impact),

    2) M2M, and

    3) Femto NAM.

  Considering the cross-TSG effort involved with architecture and O&M, WG2 recommends holding meetings in conjunction with the other TSGs. WG2 supports either 5 or 6 meeting depending on the recommendation of the other TSGs. To maximize productivity, WG2 recommends, as a general rule, holding the SC/OP after the TSG meetings.

  No additional actions were requested from the Plenary at this time.

- **WG3 REPORT:** The WG3 Report (S00-20110328-103R1) was presented by WG3 Chair, Clif Barber (KDDI), as FYI.

DECISION: The WI Tracking Sheet dated 31 March 2011 (S00-20110328-103A) was approved without objection for presentation to the SC meeting and distribution as an attachment to the TSG-S Liaison Report.

DECISION: The following WI(s) were approved without objection for TSG review processing by the 3GPP2 Secretariat and to be copied to all TSGs with comments due on or before 30 June 2011:

- **3GPP2-00288: Add support for EVRC SOs 68, 70, and 73 to vocoder related documents (S00-20110328-103D)**

DECISION: The following WI(s) were approved without objection for SC level review as coordinated by the 3GPP2 PMT Coordinator. The WIs so approved are available from the 3GPP2 website unless indicated as a contribution number below:

- **3GPP2-00276 Assignment of an ACCOLC value for Authorized National Security/Emergency Preparedness (NS/EP) subscribers (S00-20110328-103E)**

- **3GPP2-00277 Mapping 3GPP Release 9 Features and 3GPP2 Features in E-UTRAN – HRPD Interworking**

- **3GPP2-00278 Bug Fixes For the E-UTRAN – cdma2000 1x Connectivity and Interworking Air Interface Specification**

- **3GPP2-00279 Accounting at HA/LMA for cdma2000 Networks**

1 **DECISION: Proposed correspondence to all TSGs regarding PMT 2011 Meeting**
2 **Schedule (S00-20110328-110) was approved without objection for transmission with**
3 **copies to all WGs.**

4 **DECISION: Proposed correspondence to all TSGs regarding cdma2000 Usage on**
5 **3GPP2 WI Worksheets (S00-20110328-111) was approved without objection for**
6 **transmission with copies to all WGs.**

7 WG3 reviewed 3GPP2 2012 Calendar Options (S00-20110328-029) and has the
8 following recommendation for consideration as a TSG-S position on the subject of 2012
9 meeting scheduling:

10   •   TSG-S can accept either 5 or 6 meetings per year. We believe that the number of
11   meetings should not be reduced to 4 at this time. TSG-S will support decisions
12   from the other TSGs on either a 5 or 6 meeting schedule and we will meet
13   according to that schedule.

14   •   In terms of meeting schedule conflicts with other organizations, TSG-S
15   recommends prioritization (from high (try to avoid to the greatest extent possible)
16   to low (avoid if possible)) of meeting conflict avoidance as follows:
17   •   TIA TR45
18   •   3GPP RAN AND 3GPP SA
19   •   OMA

20   •   TSG-S prefers the SC/OP meeting be held following the super-meetings, not
21   preceding those meetings.

22 **DECISION: This TSG-S position regarding 2012 meeting planning was approved**
23 **without objection to be reported to the SC.**

24 **DECISION: SC.P2006-002-0 v0.31 System Release Guide for Release 6 (S00-**
25 **20110328-112) was approved without objection to be recommended to the SC for**
26 **publication as SC.R2006-002-0 v1.0 pending a final editorial/format scrub by the**
27 **PMT Coordinator and correction of the copyright year shown on the cover page.**

28 **DECISION: 3GPP2 WI Worksheet Template v6.0 (S00-20110328-113) was**
29 **approved without objection.**

30 **DECISION: Proposed correspondence to all TSGs regarding WI Worksheet**
31 **Template v6.0 (S00-20110328-114R1) was approved without objection for**
32 **transmission with S00-20110328-113 attached.**

33 **DECISION: Proposed correspondence to all TSGs regarding TSG WI Review (S00-**
34 **20110328-125R1) was approved without objection for transmission with S00-**
35 **20110328-103D attached.**

36   •   **WG4 REPORT:** The WG4 report (S00-20110328-104) was presented by WG4 Vice-
37   Chair, Zhibi Wang (Alcatel-Lucent), as FYI.

38   •   Documents being recommended for publication: NONE

39   •   Documents being recommended for V&V review:

1   • S.P0145-0 v0.3 Advanced Security Framework for HRPD and eHRPD
2   Systems

3   • Documents being recommended for TSG review: NONE

4   • Progressed the development of the following:
5   • Advanced Security Framework for HRPD & eHRPD Systems (S.P0145)
6   • Met with TSG-C WG2.3 to resolve the V&V comments on Air-
7   interface Application Layer Security (C.P0102-0).
8   • Work on S.P0145-0 was progressed. This document was agreed to
9   be sent for V&V.

10   **DECISION: S.P0145-0 v0.3 Advanced Security Framework for HRPD and eHRPD**
11   **Systems (S00-20110328-107) was approved without objection for V&V review by the**
12   **3GPP2 OPs and TSG-S participants and as FYI for the other TSGs with comments**
13   **due on or before 20 May 2011.**

14   **DECISION: Proposed correspondence to TIA TR45 AHAG regarding V&V of**
15   **S.P0145-0 v0.3 Advanced Security Framework for HRPD and eHRPD Systems**
16   **(S00-20110328-108) was approved without objection for transmission with S00-**
17   **20110328-107 attached pending corrections to the cc list by the Secretary.**

18   The Chair announced that this would be the last meeting for Zhibi Wang (Alcatel-Lucent).
19   The Chair thanked Zhibi for his years of service and excellent leadership during his
20   tenure.

21   **ACTION: The Chair issued a call for volunteers to serve as WG4 Vice-Chair.**
22   **Interested parties should notify both the WG4 Chair, Anand Palanigounder**
23   **(Qualcomm) and the TSG-S Chair.**

24   • **3GPP2 VISION ADHOC REPORT:** DID NOT MEET

25   **11.   ADDITIONAL CORRESPONDENCE AND LIAISON REPORTS:**

26   • **OP:** No contributions or discussions.

27   • **SC:** Correspondence to all TSGs and CDG dated 29March 2011 regarding NAI Issues in
28   M2M Numbering (S00-20110328-109) was presented from the SC M2M Numbering
29   AdHoc. **ACTION: This contribution was remanded to WG1 and WG4 for review**
30   **and action as appropriate and to WG2 as FYI.**

31   • **3GPP2 SECRETARIAT:** No contributions or discussions.

32   • **TSG-A:** No contributions or discussions.

33   • **TSG-C:** An ITU-R WP5A LS to External Organizations dated December 2010
34   regarding Wide Area Sensor and/or Actuator Network (WASN) Systems (S00-20110328-
35   102) was presented from TSG-C. **ACTION: This contribution was remanded to**
36   **WG1 for review and action as appropriate.**

37   • **TSG-X:** No contributions or discussions.

1   • **TIA:** No contributions or discussions.

2   • **ITU:** No contributions or discussions.

3   • **3GPP:** No contributions or discussions.

4   • **3GPP TSG-SA5 and T1M1:** No contributions or discussions.

5   • **IEEE or WiFi Alliance:** No contributions or discussions.

6   • **OMA:** No contributions or discussions.

7   • **CDG:** No contributions or discussions.

8   • **FEMTO FORUM:** No contributions or discussions.

9   • **OTHER:** No contributions or discussions.

10   12.   **NEW BUSINESS (continued):** No contributions or discussions.

11   13.   **OLD BUSINESS (continued):** The following issues were discussed:

12   • The TSG-S Document Status Table (S00-20110328-100) was presented. **DECISION:**
13   **This contribution was approved without objection for distribution as modified by**
14   **the discussion (S00-20110328-100R1) pending final comments by document Editors**
15   **and WG Chairs.**

16   **ACTION: All document Editors and WG Chairs must review and comment with**
17   **comments to be forwarded to the WG1 Vice-Chair by COB Tuesday 5 April 2011.**

18   **14.   ADMINISTRATION, OPEN ACTION ITEMS, AND OTHER BUSINESS:**

19   • The future meeting schedule for TSG-S was noted as follows:

23-26 May 2011	Gaylord Dallas Hotel in Dallas, TX, USA
25-28 July 2011	Sapporo, Japan
26-29 September 2011	Chengdu, China

20   • Although not explicitly reviewed during the meeting, the assignments, other than
21   document remands and action items that were completed at this meeting, are summarized
22   as follows:

23   110328-001   The Chair issued a call for volunteers to serve as WG4 Vice-Chair.
24   Interested parties should notify both the WG4 Chair, Anand Palanigounder
25   (Qualcomm) and the TSG-S Chair.

26   The Plenary was adjourned on 31 March 2011 at 4:26 PM local time.

NUMBER	SUBJECT	SOURCE	ACTION
OPENING PLENARY – S00-20110328-			
000	DOCUMENT REGISTER	SECRETARY	FYI
001	AGENDA	CHAIR	APPROVED R1
002	TSG-S Meeting Summary – January 2011 – Seattle, WA, USA	SECRETARY	APPROVED R1
003	TSG-C Liaison Report – January 2011 – Seattle, WA, USA	TSG-C LIAISON	FYI A-B → WG3
004	TSG-C Liaison Report – 17 February 2011 – Interim Plenary	TSG-C LIAISON	FYI
005	Correspondence dated 28 January 2011 regarding Status of TSG-C review of 3GPP2 Work Items	TSG-C	WG3
006	Correspondence to the PMT Coordinator dated 28 January 2011 regarding TSG-C review of Work Plan Questions	TSG-C	WG3
007	E-mail correspondence to 3GPP2 OPs regarding TSG-S Notification of 3GPP2 TSG-S Development of a 3GPP2 Technical Document - S.R0146-0 Machine-to-Machine (M2M)	3GPP2 SECRETARIAT	WG1
008	E-mail correspondence to 3GPP2 OPs regarding TSG-S Notification of 3GPP2 TSG-S Development of a 3GPP2 Technical Document - S.R0147-0 System Requirements for Unstructured Supplementary Services Data	3GPP2 SECRETARIAT	WG1
009	E-mail correspondence to 3GPP2 OPs regarding TSG-S Notification of 3GPP2 TSG-S Development of a 3GPP2 Technical Document - S.R0148-0 Dynamic RAN Power Management Stage 1 Requirements	3GPP2 SECRETARIAT	WG1
010	E-mail correspondences regarding SC level review and approval of 12 WI worksheets	3GPP2 SECRETARIAT	WG3
011	E-mail correspondence dated 31 January 2011 regarding cancellation of 3GPP2-00192 Interworking of HRPD/1x with UMB	3GPP2 SECRETARIAT	WG3
012	MEID Administration Report for the period ending 30 September 2011	3GPP2 SECRETARIAT	WG1
013	MEID Administration Report for the period ending 31 October 2011	3GPP2 SECRETARIAT	WG1
014	E-mail correspondence dated 16 February 2011 regarding Motorola (Solutions & Mobility) 3GPP2 Quorum/Voting Rights	3GPP2 SECRETARIAT	FYI
015	E-mail correspondence dated 10 February 2011 regarding GSC-16 presentation from Dr. Ramjee Prasad, from GISFI (Global Standardisation Forum of India)	3GPP2 SECRETARIAT	FYI
016	E-mail correspondence dated 22 February 2011 regarding WPD v13.0 Approved	3GPP2 SECRETARIAT	ALL WGs
017	E-mail correspondence dated 25 January 2011 regarding V&V release for S.P0144-0 v0.3 1x Calling Party Number Presentation (CPNP) during e1xCSFB	3GPP2 SECRETARIAT	WG1
018	TSG-S correspondence to all TSGs dated 11 February 2011 regarding Release of WIs for TSG Review	WG3	**WG3** ALL WGs
019	E-mail correspondence dated 14 March 2011 regarding News about Henry Cuschieri	3GPP2 SECRETARIAT	FYI

NUMBER	SUBJECT	SOURCE	ACTION
020	3GPP2 Workplan files – March 2011	3GPP2 SECRETARIAT	**WG3** ALL WGs
021	Correspondence to all TSGs dated 15 March 2011 regarding M2M and Mobile Directory Numbers (MDN)	SC M2M NUMBERING ADHOC	**WG1** ALL WGs
022	Correspondence dated 7 March 2011 regarding S.P0144-0 1x Calling Party Number Presentation (CPNP) during CSFB and eCSFB Stage 1	TIA TR45.8	WG1
023	Correspondence dated 7 March 2011 regarding S.R0140-0 v1.0 Study for Green Revised Energy Efficient Network (GREEN) Technology Initiatives for cdma2000 Wireless Networks	TIA TR45.8	WG1
024	LS dated 18 February 2011 regarding response on LS on display of duplicated numbers in the phone book	3GPP SA1	WG1
025	LS dated 4 March 2011 regarding Liaison Statement on new Work Item for eUICC	ETSI TC SCP	**WG1** WG4
026	V&V comments regarding S.R0144-0 v0.3 1x Calling Party Number Presentation (CPNP) during CSFB and eCSFB Stage 1	MOTOROLA SOLUTIONS	WG1
027	Comments regarding SC.P4002-0 v6.1 GHA Assignment Guidelines and Procedures	TIA TR45 EUMAG	WG1
028	Comments regarding SC.P4001-0 v2.2 Global Wireless Equipment Numbering Procedures	TIA TR45 EUMAG	WG1
029	3GPP2 2012 Calendar Options	3GPP2 SECRETARIAT	ALL WGs
030	TSGC-164 "Add support for EVRC SOs 68, 70, and 73 to vocoder related documents"	TSG-C	WG3
031	Correspondence dated 28 March 2011 regarding TSG-A Work Item, Stage 1, LS, and SC Documents for Review	TSG-A	WG1, WG3
CLOSING PLENARY – S00-20110228-			
101	WG1 Report	WG1	FYI
102	WG2 Report	WG2	FYI
103	WG3 Report	WG3	FYI Specific Attachments APPROVED
104	WG4 Report	WG4	FYI
105	3GPP2 Vision AdHoc Report	3GPP2 VISION ADHOC	DID NOT MEET
106	ITU-R WP5A LS to External Organizations dated December 2010 regarding Wide Area Sensor and/or Actuator Network (WASN) Systems	TSG-C	WG1
107	S.P0145-0 v0.3 (Advanced Security Framework for HRPD and eHRPD Systems) proposed V&V text	WG4	APPROVED

NUMBER	SUBJECT	SOURCE	ACTION
108	Proposed correspondence to TIA TR45 AHAG regarding V&V of S.P0145-0 v0.3 Advanced Security Framework for HRPD and eHRPD Systems	WG4	APPROVED R1
109	Correspondence to all TSGs and CDG dated 29March 2011 regarding NAI Issues in M2M Numbering	SC M2M NUMBERING ADHOC	WG1, WG2, WG4
110	Proposed correspondence to all TSGs regarding PMT 2011 Meeting Schedule	WG3	APPROVED
111	Proposed correspondence to all TSGs regarding cdma2000 Usage on 3GPP2 WI Worksheets	WG3	APPROVED
112	SC.P2006-002-0 v0.31 System Release Guide proposed publication text	WG3	APPROVED
113	3GPP2 WI Worksheet Template v6.0	WG3	APPROVED
114	Proposed correspondence to all TSGs regarding WI Worksheet Template v6.0	WG3	APPROVED R1
115	S.P0147-0 v0.2 USSD System Requirements proposed TSG Review text	WG1	APPROVED R1
116	Proposed correspondence to TSGs regarding review of S.P0147-0 USSD SRD	WG1	APPROVED R1
117	Proposed correspondence to ETSI SCP regarding Embedded UICC Requirements	WG1	APPROVED R1
118	S.P0144-0 v1.0 Calling Party Number Presentation (CPNP) during CSFB/(e)CSFB proposed publication text	WG1	APPROVED
119	V&V Comment Disposition Record on S.P0144-0	WG1	APPROVED
120	Proposed correspondence to TIA TR45.8 regarding V&V Comment Resolution on S.P0144-0	WG1	APPROVED R1
121	Proposed response to SC M2M Numbering AdHoc regarding M2M and Mobile Directory Numbers (MDN)	WG1	APPROVED R1
122	Proposed correspondence to 3GPP2 SC regarding copyright license for SC.R4001 to GSMA	WG1	APPROVED R1/AR2
123	SC.P4002-0 GHA Assignment Guidelines and Procedures for MEID proposed publication text	WG1	APPROVED
124	SC.P4001-0Global Wireless Equipment Numbering Administration Procedures proposed publication text	WG1	APPROVED
125	Proposed correspondence to all TSGs regarding TSG WI Review	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) v2.0	WG2
S.R0006-0	Cellular Features Description (TIA/EIA-664-A Rev A) v1.0	WG1
S.R0006-A	Wireless Feature Descriptions v2.0	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	WG2
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	WG2
S.S0028-0	OAM&P Specification v2.0	WG2
S.S0028-0	OAM&P Specification v3.0	WG2
S.S0028-A	OAM&P Specification v3.0	WG2
S.S0028-xxx-B	OAM&P Specification v2.0 – parts 000 through 004	WG2
S.S0028-xxx-C	OAM&P Specification v1.0 – parts 000 through 004	WG2
S.S0028-xxx-D	OAM&P Specification v1.0 – parts 000 through 004	WG2
S.S0028-E	OAM&P Specification v1.0	WG2
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
S.R0033-0	Realm Configured Packet Data Session Dormancy Timer Stage 1 v1.0	WG1
S.R0034-0	UIM ID Assignment Guidelines v3.0	NUMBERING ADHOC
S.R0035-0	RESCINDED: Superseded by S.R0079-0	WG1
S.R0037-0	3GPP2 NAM v3.0	WG2

PUBLISHED TSG-S SPECIFICATIONS AND REPORTS		
NUMBER	**TITLE**	**RESP**
S.P0037-A	3GPP2 NAM v1.0	WG2
S.R0037-B	3GPP2 NAM v2.0	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 v4.0	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.P0063-0	RESCINDED	
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
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 v4.0	WG4
S.R0079-0	End-to-End QoS Stage 1 v1.0	WG1
S.R0079-A	End-to-End QoS v1.0	WG1
S.P0078-B	Common Security Algorithms V1.0	WG4
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

PUBLISHED TSG-S SPECIFICATIONS AND REPORTS		
NUMBER	**TITLE**	**RESP**
S.P0085-0	3GPP2 Equipment Numbering JEM Report and Conclusions - WITHDRAWN TO BE INCLUDED AS AN ANNEX IN S.R0048 MEID STAGE 1	
S.S0086-0	3GPP2 IMS Security Framework v1.0	WG4
S.S0086-A	3GPP2 IMS Security Framework v1.0	WG4
S.S0028-D	OAM&P for cdma2000 v1.0	WG2
S.S0086-B	3GPP2 IMS Security Framework v2.0	WG4
S.R0087-0	WLAN - cdma2000 Interworking v1.0	WG1
S.R0087-A	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.P0091-0	WITHDRAWN	
S.R0092-0	LMSD Step 2 Stage 1 v1.0	WG1
S.S0093-0	cdma2000 Network Performance Measurement Types v3.0	WG2
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.P0098-0	RESCINDED - 2/17/05 - Functionality included in X.P0028	
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 v2.0	WG1
S.P0107-0	RESCINDED - 4/20/05 - Unsponsored WI	
S.R0108-0	HRPD-cdma2000 1x Interworking System Requirements v2.0	WG1
S.S0109-0	General Bootstrapping Architecture (GBA) Stage 2/3 specification v2.0	WG4
S.S0109-A	General Bootstrapping Architecture (GBA) Stage 2/3 specification v1.0	WG4
S.S0110-0	Location Services Security Framework Report v1.0	WG4
S.R0111-0	Expanded R-UIM Identifier Stage 1 v2.0	WG1
S.R0112-0	General Bootstrapping Architecture (GBA) Stage 1 Requirements v1.0	WG1
S.R0113-0	Enhanced cdma2000 SRD v1.0	WG1
S.S0114-0	Security Mechanisms Using GBA v2.0	WG4
S.S0114-A	Security Mechanisms Using GBA v2.0	WG4
S.R0115-0	All-IP Emergency Call Support v1.0	WG1
S.P0116-0	PPP-Free Operation Stage 1 CANCELLED – 26 July 2007	WG1
S.R0117-0	Multimedia Priority Services Stage 1 v1.0	WG1
S.R0117-A	Multimedia Priority Services Stage 1 v1.0	WG1
S.R0118-0	Telephone Number Mapping (ENUM) Stage1 v1.0	WG1

PUBLISHED TSG-S SPECIFICATIONS AND REPORTS		
NUMBER	**TITLE**	**RESP**
S.R0121-0	3GPP2 Evolved Network SRD v1.0	WG1
S.P0119-0	Proximity Mobile Gateway Stage 1 – RESCINDED	WG1
S.R0122-0	Preferred Cryptographic Profiles v1.0	WG4
S.R0120-0	MMD Policy Enhancements SRD	WG1
S.R0123-0	Enhanced MMD Security Requirements Stage 1	WG1, WG4
S.R0124-0	UMB NAM v2.0	WG2
S.R0125-0	VoIP Supplementary Services Feature Descriptions	WG1
S.R0126-0	System Enhancements for Femto and Pico Cells SRD v1.0	WG1
S.S0127-0	CAVE based IMS Security v1.0	WG4
S.R0128-0	HRPD and WiMAX Inter-Technology Handoff Stage 1 Requirements	WG1
S.R0129-0	HRPD/1XRTT and 3GPP E-UTRAN (LTE) Interworking and Inter-Technology Handoff Stage 1 Requirements	WG1
S.R0129-A	HRPD/1XRTT and 3GPP E-UTRAN (LTE) Interworking and Inter-Technology Handoff Stage 1 Requirements	WG1
S.R0130-0	Interworking and Inter-Technology Handoff for UMB and UTRA/E-UTRA Technologies Stage 1 v1.0	WG1
S.R0131-0	IMS centralized Services Stage 1 v1.0	WG1
S.S0132-0	Femtocell Security Framework v1.0	WG4
S.P0133-0	Call Localization Management Stage 1 - RESCINDED	WG1
S.R0134-0	Evolution of Ultra Mobile Broadband SRD v1.0	WG1
S.R0135-0	Network Architecture Model for cdma2000 Femto-Cell Enabled Systems v1.0	WG2
S.R0136-0	System Requirements for MSC Pool v2.0	WG1
S.R0137-0	Common IMS Impact to 3GPP2 Specifications	WG2
S.R0138-0	eHRPD Security Framework v1.0	WG4
S.R0140-0	Study for Green Revised Energy Efficient Network (GREEN) Technology Initiatives for cdma2000 Wireless Networks v1.0	WG1
S.R0141-0	Study for Machine-to-Machine (M2M) Communication for cdma2000 Wireless Networks v1.0	WG1
S.R0142-0	Call-Back to an Emergency Call Origination (CECO) Stage 1 Requirements v1.0	WG1
S.R0143-0	System Requirements for Extended Cell HRPD (xHRPD) v1.0	WG1
S.R0144-0	1x Calling Party Number Presentation (CPNP) during CSFB and eCSFB Stage 1 v1.0	WG1

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TSG-S PROJECTS IN DEVELOPMENT		
NUMBER	**TITLE**	**RESP**
S.P0028-E	OAM&P Specification	WG2
S.P0076-0	Protocol Alignment Reference	WG3
S.P0139-0	Femto Systems Overview	WG1
S.P0145-0	Advanced Security Framework for (e)HRPD	WG4
S.P0146-0	Machine-to-Machine (M2M) Communication System Requirements Document	WG1
S.P0147-0	System Requirements for Unstructured Supplementary Services Data	WG1
S.P0148-0	Dynamic RAN Power Management Stage 1 Requirements	WG1

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3GPP2 QUORUM ROLL CALL
TSG-S (Systems and Services Aspects)
Seoul, Korea
31-Mar-11

INDIVIDUAL MEMBER COMPANY	Attendance	Attendance	Consec Mtgs Missed	Voting Status	Quorum Status	Voting Status	Quorum Status
	3/28/2011	3/31/2011	(incl this Mtg)	for this Mtg	for this Mtg	as of next Mtg*	as of next Mtg*
ALCATEL-LUCENT	1		0	1	1	1	1
AIRCELL			1	0	0	0	0
CHINA TELECOM	1		0	1	1	1	1
ERICSSON	1		0	1	1	1	1
HITACHI		1	0	1	1	1	1
HUAWEI	1		0	1	1	1	1
KDDI	1		0	1	1	1	1
KYOCERA	1		0	1	1	1	1
LG U+		1	0	1	1	1	1
LIGHTSQUARED			3	0	0	0	0
MOTOROLA MOBILITY	1		0	0	0	0	0
MOTOROLA SOLUTIONS	1		0	1	1	1	1
NCS			3	0	0	0	0
NEC	1		0	1	1	1	1
NSN			2	0	0	0	0
QUALCOMM	1		0	1	1	1	1
RITT	1		0	1	1	1	1
SPRINT/NEXTEL		1	0	0	0	0	0
TELCORDIA	1		0	0	0	0	0
VERIZON WIRELESS	1		0	1	1	1	1
VIA TELECOM			3	0	0	0	0
ZTE	1		0	1	1	1	1
TOTALS	**12**	**2**		**14**	**14**	**14**	**14**
QUORUM CALCULATION	**86%**	**14%**					
ADDITIONS							
OBSERVERS AND GUESTS							
ARIB							
CDG		1					
TIA		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

0 = Letter of Proxy in effect

* assumes attendance at the next meeting

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