

3GPP2 Access Network Interfaces TSG (TSG-A) #23

Draft Meeting minutes

DATE: Monday - Friday, January 15 – 19, 2001

PLACE: San Diego Mission Valley Hilton
San Diego, California, USA

PRESIDING: Frederic Leroudier, LinkAir Communications, Inc.

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Phoenix, AZ

February 12, 2001

1 **1. TSG Opening Address by TSG Vice-Chairman**—The Access Network Interfaces TSG (TSG-A)
 2 was opened Monday January 15, 2001 at 10:00 AM by Chair Frederic Leroudier representing LinkAir
 3 Communications, Inc. A closing plenary was held on Thursday January 18, 2000 at 3:30pm.

4
 5 **2. Introductions and Attendance Registration**—A quorum call was performed and an attendance
 6 roster was circulated for reference. At the closing of meeting #23 on January 19, 2001, the quorum
 7 list included 19 companies:
 8

	<i>Company name</i>	<i>Last meeting attended</i>	9 10
1	3Com	#23	11
2	Cisco	#24	12
3	KDDI	#24	13
4	Ericsson	#24	14
5	Fujitsu	#24	15
6	Hitachi	#24	16
7	Hyundai	#24	17
8	LG Electronics	#24	18
9	LinkAir Communications	#24	19
10	Lucent Technologies	#24	20
11	Motorola	#24	21
12	NEC	#24	22
13	Nokia	#24	23
14	Nortel Networks	#24	24
15	QUALCOMM	#24	25
16	Qwest	#23	26
17	Samsung	#24	27
18	SK Telecom	#23	28
19	Sprint PCS	#24	29
			30

31 In addition Award
 32 Solutions, Alcatel and Sun Microsystems were present at the meeting. Quorum was therefore
 33 established.

34
 35 Tektronix was present
 36

3. Introduction and Numbering of Documents

The following documents were numbered and assigned to the agenda:

Document number (3GPP2-A00-20010115-)	Title	Source	Agenda item	Disposition
001r1	Proposed agenda	Chair	4	Approved as modified
002r1	Vancouver, BC meeting minutes	Chair	5a	Approved as modified
003	TSG-A chair nomination	Sprint	7a	FYI
004	Proposal for all IP	Nokia	7c	Remanded to WGC for consideration
005	Proposal for fast handoff	Samsung	8b	Fast Packet Handoff - remanded to WGC for consideration
006	Cover page for 4	Nokia	7c	See document 004
007	Correspondence on 1xEV/DO support	TSG-N	6	For information to TSG-A. Remanded to WGC for consideration
008a and b	TSG-P correspondence on fast handoff	TSG-P	8b	Remanded to WGC for consideration
009	TSG-S response on 1xEV/DO correspondence	TSG-S	8c	TSG-S requested a response – the TSG approved this proposal from TSG-S
010	Structure for All IP RAN architecture	Hyundai	7c	Remanded to WGC for consideration.
011r1	Correspondence to QoS JEM	WGA	6	Approved as modified
012/b	Correspondence on ESN	TSG-P	6	Remanded to work plan ad-hoc and WGC for consideration and to WGA and B for information
013	Proposed liaison to TSG-P	WGC	6	Approved – send to TSG-P, with copies to TSG-C, N, S
014	Proposed liaison to TSG-C	WGC	6	Approved – send to TSG-C
015	Proposed work plan for IOS V4.2	Sprint	7b	Noted. 1xEV/DO proposed as an independent work item. Will be used for the TSG-A work plan
016	Proposed TSG-A 2001 work plan timeline	Sprint	7b	Noted. Will use for Steering Committee report
017	IP in the RAN Work Item definition		7b	Approved as modified
018	Phoenix meeting notice	Chair		Approved as modified (rev 1)
019	EVDO RAN Work Item Description Sheet	Lucent		Approved as modified (rev 1)

4. Adoption of Agenda-- The Chair referenced document 3GPP2-A00-20010115-001 for the TSG agenda. After some modification the document was adopted by common consent.

5. Meeting Summaries Review and Approval

Document 3GPP2-A00-20010115-002 was presented by the Chair and approved as modified by the TSG (rev. 1).

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1 Working Group reports will be distributed, reviewed and approved by the respective groups before the
2 next TSG-A meeting.

3 4 **6. Correspondence and liaisons**

5 6 Input

7
8 The following correspondences were received and discussed at the meeting:

- 9 - 3GPP2-A00-20010115-007 from TSG-N on 1xEV/DO support (for information to TSG-A):
10 remanded to WGC for consideration
- 11 - 3GPP2-A00-20010115-008 from TSG-P on a new fast handoff feature for packet data:
12 remanded to WGC
- 13 - 3GPP2-A00-20010115-009 from TSG-S on the 1xEV/DO network specification
14 responsibilities: see item 8c
- 15 - 3GPP2-A00-20010115-012 from TSG-P on the addition of ESN on the packet data interface:
16 remanded to Work Plan ad-hoc and to WGC for consideration and copied to WGA and B for
17 information

18 19 Output

20
21 The following correspondences were approved and sent by TSG-A:

- 22 - 3GPP2-A00-20010115-011r1 to QoS JEM containing some questions on QoS – approved
- 23 - 3GPP2-A00-20010115-013 to TSG-P requesting clarifications on fast handoff – approved
- 24 - 3GPP2-A00-20010115-014 to TSG-C informing them of our work's progress – approved

25 26 **7. Old Business**

27 28 7a. TSG-A chair and vice chair nomination

29
30 Article 22 of the 3GPP2 working procedure document state that “The Chair and the Vice Chairs shall be
31 appointed for a two-year term of office. The Chair and Vice Chairs may be appointed for one further
32 consecutive term. If no other candidates are available, the Chair or Vice Chairs may be appointed for a
33 further term.”. Article 22 also states that “Chair and Vice Chairs should not usually be from the same
34 region, Organizational Partner, or from the same group of companies. Successive Chairs should not
35 usually be from the same Organizational Partner, the same region or from the same group of companies.”

36
37 This meeting marked the last meeting before the two year anniversary for the current chair and vice-chair.
38 The Chair therefore opened the selection process for the new leadership team.

39
40 Frederic Leroudier (LinkAir Communications) indicated that he did not intend to serve a second term as
41 TSG-A chairman. George Turnipseed (Sprint PCS) announced that he was candidate for the position and
42 presented document 3GPP2-A00-20010115-003 as letter of endorsement from his employer. In the
43 absence of any other candidates for this position, the chair proposed to nominate George for the TSG-A
44 Chair, starting with the February meeting (#24, Phoenix). There was no objection and the Chair
45 announced that he would report the appointment to the 3GPP2 Steering Committee.

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1 The outgoing chair thanked the TSG for all the hard work endured during those two years and wished the
2 new chair, George Turnipseed good luck for the continuation of the TSG's work.

3
4 Vice-chairs Naoto Itoh (KDDI) and Sung Kim (SK Telecom) announced that they were candidate for a
5 second term in TSG-A. In the absence of any other candidates, the chair proposed to re-nominate both of
6 them to their position. Since there were no objections, the Chair announced that he would report this result
7 to the Steering Committee as well.

8 9 7b. Work plan update

10
11 George Turnipseed (Sprint PCS, chair of the work plan ad-hoc) reported on the progress of his group.
12 Documents 3GPP2-A00-20010115-015, 3GPP2-A00-20010115-016 and 3GPP2-A00-20010115-017 were
13 the output from this group.

14
15 Document 3GPP2-A00-20010115-015 lists the proposed content for the next cdma2000 Radio Access
16 Network Interoperability Specification (IOS V4.2, a.k.a. 3GPP2 TS A.S0001-B). It was noted that one
17 particular feature, the open 1XEV/DO Radio Access Network Specification necessitated a new work
18 item since its delivery time is independent of the full IOS V4.2, even if the resulting document would be
19 consistent with the latest IOS. The Chair requested a new Work Item Description Sheet to formalize the
20 adoption of this new Work Item at the Steering Committee level as well as at the TSG-S level. Tom
21 Towle (Lucent and WGC chair) volunteered to draft this document (3GPP2-A00-20010115-019).
22 Document 3GPP2-A00-20010115-015 will be used for the 3GPP2 TSG-A work plan and presented to the
23 next Steering Committee.

24
25 Document 3GPP2-A00-20010115-016 is the proposed TSG-A work plan for the year 2001. The
26 document was noted and will be used for the official TSG-A work plan to be communicated to the next
27 3GPP2 Steering Committee. This was accepted IOS v4.2 workplan.

28
29 Document 3GPP2-A00-20010115-017 contains a proposed new Work Item Description Sheet for the
30 study and specification of IP transport in the RAN (i.e. using the current IOS cdma2000 RAN
31 architecture). This item was supported by Lucent, Motorola, Qualcomm, Samsung, Hyundai, Nortel,
32 Qwest, Sprint, KDDI, Hitachi, Sun, Nokia and LinkAir. The document was approved as modified for
33 submission to the 3GPP2 Steering Committee.

34
35 Document 3GPP2-A00-20010115-019 contains a proposed new Work Item Description Sheet for the
36 study and specification of the cdma2000 1XEV/DO Radio Access Network. This item was supported by
37 Lucent, Qualcomm, Samsung, KDDI, Sprint, Hitachi, Motorola, Nortel Networks and Sprint PCS. The
38 document was approved as modified and will be submitted to the 3GPP2 Steering Committee.

39 40 7c. All IP RAN

41
42 Documents 3GPP2-A00-20010115-004, 3GPP2-A00-20010115-006 and 3GPP2-A00-20010115-010 were
43 presented for information to the plenary.

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1 Contributions 3GPP2-A00-20010115-004 and 3GPP2-A00-20010115-006 from Nokia both propose a work
2 plan to develop the cdma2000 IP RAN specification in TSG-A. It was presented for information to the
3 TSG.

4
5 Contribution 3GPP2-A00-20010115-010 from Hyundai proposes a working structure for the IP RAN work
6 in 3GPP2.

7 The main point of this proposal are

- 8 - the phasing into an IP transport within the RAN and an IP RAN re-architecture
- 9 - separation of the work for these two items

10
11 There was general consensus that IP transport would be a first step towards the objective of a new IP
12 RAN architecture, but that these two activities could be separated. In particular, the IP RAN re-
13 architecture does not need to be started serially after the completion of the IP transport in the RAN.

14
15 Based on this consensus, a proposal was made to create two distinct ad-hoc groups, one under WGA to
16 study the IP transport issues for the current RAN interface (i.e. A1, A2, A3, A5, A7, A8, A9 and Abis as
17 well as the current A10 and A11), and one under WGC to study and develop the IP re-architecture. After
18 discussion this proposal was adopted by consensus. Cisco expressed an opinion that they would like the
19 work to be done in a WG when it is time to do so, but in the mean time leave in ad-hoc in WGC.

20
21 Also, since the idea of an independent IP transport on the current RAN architecture is a new work item, a
22 new Work Item definition is required. This is contained in document 3GPP2-A00-20010115-017 and was
23 approved by consensus. This new work item will also be presented at the next 3GPP2 Steering
24 Committee

25
26 Both documents were remanded to WGC for consideration. Most technical discussion took place in WGC
27 during this meeting.

28
29 At the Kauai meeting in December, it was decided to postpone all decision on the work structure for the
30 IP RAN work item until the January meeting. After discussion in WGC, the TSG decided to leave the
31 work in an ad-hoc group in WGC.

32 33 34 **8. New business—**

35 36 8a Steering Committee meeting report

37
38 The chair indicated that no report was available at this time and that both the outgoing and new chair
39 would develop this report jointly and present it to the SC/OP meeting in Osaka.

40 41 8b. Fast handoff

42
43 Documents 3GPP2-A00-20010115-005 (Samsung) and 3GPP2-A00-20010115-008 (TSG-P) were
44 presented. They all dealt with a new proposal from TSG-P (originating from a Cisco proposal) for fast
45 packet data handoff implementations. Both of these documents were remanded to WGC for discussion
46 and consideration.

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1 Document 3GPP2-A00-20010115-013 contains TSG-A's answer to TSG-P regarding this issue: it was
2 approved as modified.

3
4 8c. 1xEV/DO issues

5
6 Document 3GPP2-A00-20010115-007, 3GPP2-A00-20010115-009, 3GPP2-A00-20010115-014 and
7 3GPP2-A00-20010115-019 were discussed under this agenda item.

8
9 For document 3GPP2-A00-20010115-007 and document 3GPP2-A00-20010115-014
10 see item 6.

11
12 Document 3GPP2-A00-20010115-009 is a correspondence from TSG-S confirming the understanding that
13 TSG-A would take responsibility for the 1xEV/DO network technical specifications. The TSG fully
14 supports this arrangement and agrees that this was the best organization for this work in 3GPP2. A new
15 work item is required for the 1xEV/DO RAN since it is now independent from the IOS V4.2 work. This
16 is contained in document 3GPP2-A00-20010115-019 – see item 7b for discussion.

17
18
19
20 **9. Working Group reports**

21
22 Working Group reports for this meeting will be approved before or at the next TSG-A meeting.

23
24 Working Group A:

25
26 Bill Semper (Samsung), WGA chairman reported:

- 27 - dozen contribution
- 28 - IP transport in the RAN – began processing – putting together plan to complete by May –
- 29 asking for requirement document
- 30 - QoS: drafted liaison to QoS JEM

31
32 Two days were requested for the next meeting, including time for the IP transport ad-hoc under WGA.

33
34 Working Group B:

35
36 Naoto Itoh (KDDI), WGB chair reported on the progress of the Abis Technical Specification. WGB is
37 meeting jointly with TR45.4.3 to process the technical and editorial ballot comments received from
38 TR45.4. Those comments will be included in the next point release of the 3GPP2 Technical Specification
39 which will be V&Ved before release to the Steering Committee. WGB is planning to start V&V in order
40 to finish and to submit in March.

41
42 One half day was requested for the next meeting (Tuesday afternoon). Conference call will be called
43 before the meeting to review the comments.

44
45 Working Group C:

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1 Thomas Towle (Lucent) , WGC chairman reported on the progress of work in WGC (still meeting at the
2 time of the closing plenary)
3 Most of the work focused on 1xEV/DO and the IP RAN architecture.

4
5 On 1xEV/DO, Tom indicated that agreement on base reference model was being reached and that WGC
6 was verifying the model against various scenarios. An interim conference call is scheduled to progress the
7 work.

8
9 The IP RAN re-architecture study has started and a straw-man document with list of open issues is now
10 available.

11
12 Two working days were requested for WGC and the All IP ad-hoc for the next meeting.

13 14 10. **Review assignments**

15
16 George Turnipseed (Sprint PCS) and Frederic Leroudier (LinkAir Communications) will write the TSG-A
17 report to the 3GPP2 Steering Committee and send it on the TSG-A exploder list for comments. The
18 report is due on January 26 to the 3GPP2 secretariat.

19 20 11. **Next meeting schedule**

21
22 Document 3GPP2-A00-20010115-018 rev 1 is the meeting notice for the Phoenix, AZ USA meeting
23 scheduled for February 12 - 16, 2001. It was accepted as modified.

24 25 12. **Open discussions**

26
27 There were none officially recorded.

28
29 13. **Adjournment**—The closing plenary meeting was adjourned at 5:30 pm on Thursday January 18,
30 2001.