

**3GPP2 Access Network Interfaces TSG (TSG-A) #18**  
**Draft Meeting minutes**

**DATE:** Monday - Thursday, July 17 – 20, 2000

**PLACE:** Hotel Boulderado  
 Boulder, Colorado  
 USA

**PRESIDING:** Frederic Leroudier, LinkAir Communications, Inc.

**PRESENT:**

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**1. TSG Opening Address by TSG Vice-Chairman**—The Access Network Interfaces TSG (TSG-A) was opened Monday July 17<sup>th</sup>, 2000 at 2:30 PM by Chairman Frederic Leroudier (LinkAir Communications, Inc.). A closing plenary was held on Wednesday July 19<sup>th</sup> from 3:00pm to 4:30pm.

1 **2. Introductions and Attendance Registration**—A quorum call was performed and an attendance  
2 roster was circulated for reference. As of July 16<sup>th</sup>, 2000, the quorum list included 21 companies:  
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<i>Company name</i>	<i>Last meeting attended</i>
3Com	#17
Alcatel	#17
Cisco	#17
DDI	#17
Ericsson	#17
Fujitsu	#18
Hitachi	#17
Hyundai	#18
IDO	#18
LG Infocom	#18
LinkAir Communications	#18
Lucent Technologies	#18
Motorola	#18
NEC	#18
Nortel Networks	#18
OKI Network Technologies	#18
QUALCOMM	#18
Qwest Communication Intl.	#18
Samsung	#18
<i>SK Telecom (removed Jul. 21, 2000)</i>	<i>#15</i>
Sprint	#18

5  
6 There were 14 companies present and therefore quorum was met.  
7 SK Telecom was removed from the quorum list since they have missed three meetings in a  
8 row. The quorum list now includes 20 companies.  
9

### 3. Introduction and Numbering of Documents

The following documents were numbered and assigned to the agenda:

Document number (3GPP2-A-20000214-)	Title	Source	Agenda item	Disposition
001	Proposed agenda	Chair	4	Approved as modified (r1)
002	Last meeting minutes	Chair	5a	Approved as modified (r1) and sent to 3GPP2, TSG-S and TSG-A exploders
003	TSG-A vice-chair resignation	(Junmo Koo) TSG-A vice chair	8a	The TSG thanked Junmo Koo for his leadership and wished him a good continuation in his new assignment. It was noted that TTA should nominate a new vice-chair for the next meeting in San Francisco.
004	Correspondence on bug fixes	TSG-C	6	Noted. A response to TSG-C was included in document 011. This response includes a set of rules that TSG-A will adopt starting with this meeting. This proposal was adopted by the TSG.
005	Consolidated meeting schedule for 2001	3GPP2 secretariat	11	FYI
006	1Xev-do stage 1 specification	TSG-S	8b	The Chair presented this document. It is coming from TSG-C although no formal correspondence were received. It was remanded to WGC with the action to evaluate feasibility/impact on current TSG-A specifications.
007	Proposed V4.2 requirements	Sprint	7a	Since no major architectural change is required for this document, the revision number would be IOS V4.2. Sprint clarified that v4.2 should include support for 1Xevdo. Requires confirmation from other TSGs that these features will be supported in the release B timeframe – see contribution 010. Sprint stated its desire is to have v4.2 completed by the end of the year. This was remanded to the work plan ad-hoc.
008	TSG-A bug fix criteria	TSG-A chair	8d	This was briefly presented by the chair. The intention is to make this an official document providing rules and guidelines for the Working Groups. This is to be reviewed off-line before the August meeting for comments and approval at this meeting.
009	Correspondence on AH, USCF and WIN pre-paid	TSG-N	6	FYI
010	Proposed correspondence on Release B features	Chair	6	Approved as modified (r1) – contribution 14 will be attached. Sent to TSG chairs and SC chair.
011	Proposed correspondence to TSG-C correspondence on bug fixes	Chair	6	Approved as modified (r1). Sent to TSG-C with copy to other TSGs.
012	San Francisco meeting notice	Chair	11	Approved and sent electronically
013	Correspondence	Chair	6	Approved as modified. Sent to TSG-S

	on OAM&P			
014	Proposed V4.2 content	Work Plan ad-hoc chair	7a	Motion was made to approve by Sprint and seconded by Qwest. Discussion: It was agreed that the 1X-EV/DO could be designed in a separate module of the IOS V4.2 document. The decision will however be left to the Working Groups for a future meeting. In the absence of objection, the motion was approved. Work will start on IOS V4.2 as soon as IOS V4.1 V&V is complete.
015	Draft report to the Steering Committee	TSG-A Work plan ad-hoc group chair	8e	Approved as modified. Will be presented to the July 25 <sup>th</sup> 3GPP2 Steering Committee in Beijing
016	Request for approval of IOS V4.0.1	IOS editor	9.1	IOS V4.0.1 is the first Bug Fix Point Release of the 3GPP2 A.S0001-0 document. It includes modifications made after the TIA TR45 and TTC approval processes. It was indicated that the Word and PDF version of the Technical Specification was on the server. Motion was made by IDO and seconded by Lucent There was no discussion and no objection. IOS V4.0.1 was therefore approved for release to the 3GPP2 Steering Committee as an official 3GPP2 Technical Specification

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**4. Adoption of Agenda--** The Vice-Chair referenced document 3GPP2-A00-20000717-001 for the TSG agenda. Some modifications were made (see document 3GPP2-A00-20000717-001r1) and the agenda was adopted by common consent.

**5. Meeting Summaries Review and Approval**

Document 3GPP2-A00-20000717-002 contains the Vancouver meeting minutes and was presented by the Chair.

Changes were made, especially regarding the status of the TFO specification following ballot resolution. The document was approved as modified by the TSG (3GPP2-A00-20000717-002r1).

The assignments stated in this document – work plan conference call and IOS V4.1 contribution distribution – were reviewed and discussed. They were declared closed at this meeting.

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

**6. Correspondence and liaisons**

Input

Two correspondences were received by TSG-A at this meeting:

- 1) Correspondence from TSG-C regarding “bug-fix” criteria (document 3GPP2-A00-20000717-004)
- 2) Correspondence from TSG-N regarding newly released Technical Specifications for three features. TSG-A was only cc’ed on this document, and therefore it was noted as FYI. TSG-A

1 will nevertheless verify that these new documents will not impact any of the RAN interfaces  
 2 specifications.

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 4 See section 3 for status and disposition of these contributions.

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 6 Output

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 8 Three correspondences were produced by TSG-A at this meeting:

- 9 1) One correspondence to all TSGs regarding Release B features and assumptions by TSG-A  
 10 (document 3GPP2-A00-20000717-010)  
 11 2) One correspondence to TSG-C regarding bug fix criteria (document 3GPP2-A00-20000717-011)  
 12 3) One correspondence to TSG-S regarding OAM&P (document 3GPP2-A00-20000717-013)

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 14 See section 3 for status and discussion on these contributions.

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 16 **7. Old Business**

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 18 7a. 2000 Work Plan

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 20 Contribution 3GPP2-A00-20000717-007 contains requirements for IOS V4.2 and was presented by Sprint  
 21 PCS. See section 3 for status and discussion on this contribution. The output from the work plan ad-hoc  
 22 group is included in contribution 3GPP2-A00-20000717-014. In addition there were discussion on the next  
 23 releases for the other Technical Specifications under TSG-A's responsibility. The Work Plan for TSG-A  
 24 for the rest of the year is summarized below:  
 25

Work item	Description	Output document	Start	Planned completion
0001	Radio Access Network Interoperability Specification version 4 (IOS V4) : - First bug-fix point release - First feature point release o Requirements o Development o V&V - Second feature point release o Requirements o Development o V&V	- A.S0001-0.1 - A.S0001-A - A.S0001-B	- 01/2000 - 01/2000 - 01/2000 - 07/2000 - 06/2000 - 08/2000 - 12/2000	- 07/2000 - 02/2000 - 07/2000 - 08/2000 - 07/2000 - 12/2000 - 03/2001
0002	Radio Access Network Interoperability Specification version 5 (IOS V5) - First release <i>Note: IOS V5 will use the new all-IP Next Generation Network architecture. Work will start following completion of the All IP ad-hoc group study.</i>	- A.S0002-0	- TBD	- TBD
0003	Base Transceiver Station to Base Station Controller interoperability specification (Abis) - First release - First bug-fix point release - First feature point release o Requirements	- A.S0003-0 - A.S0003-0.1 - A.S0003-A	- 02/1999 - 05/2000 - 09/2000	- 03/2000 - 09/2000 - 09/2000

	<ul style="list-style-type: none"> <li>o Development</li> <li>o V&amp;V</li> </ul>		<ul style="list-style-type: none"> <li>- 10/2000</li> <li>- TBD</li> </ul>	<ul style="list-style-type: none"> <li>- TBD</li> <li>- TBD</li> </ul>
004	Tandem Free Operation (TFO) <ul style="list-style-type: none"> <li>- First release</li> <li>- First bug-fix point release</li> <li>- First feature point release <ul style="list-style-type: none"> <li>o requirements</li> <li>o development</li> <li>o V&amp;V</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>- A.S0004-0</li> <li>- A.S0004-0.1</li> <li>- A.S0004-A</li> </ul>	<ul style="list-style-type: none"> <li>- 03/1999</li> <li>- 04/2000</li> <li>- 05/2000</li> <li>- 09/2000</li> <li>- 11/2000</li> </ul>	<ul style="list-style-type: none"> <li>- 01/2000</li> <li>- 08/2000</li> <li>- 08/2000</li> <li>- 11/2000</li> <li>- 12/2000</li> </ul>

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7b. IOS V4.1 status

Baseline text will be completed and distributed this week. V&V comments will be collected before the San Francisco meeting, where they will be reviewed. The intention is still to complete IOS V4.1 V&V at this meeting in order to allow 3GPP2 release by the end of August. Since some V&V comments may be bug fixes to the current text in the IOS V4.0.1, then these comments may also be included in a future bug fix point release (e.g. IOS V4.0.2) to be released at a later time.

7c. TFO specification point release

The TR45.4 ballot comments need to be included in a new bug fix point release (3GPP2 AS0004-0.1).

Janice Wunsch, chair of the TFO ad-hoc reported on the outcome of the TFO meeting held the week of July 10. Requirements for the next release of the TFO feature were briefly discussed – the goal is to finalize and approve the requirements for this release at the August meeting.

One of the main item is the issue of codec mismatch which will impact the IOS interfaces. Another issue is whether 56 k should be included in this release. DTMF and asymmetric TFO operation are also candidates for this release.

The group also looked at harmonization with GSM, but changes will be required for the GSM specification.

The goal for completion of this new release of the TFO technical specification is the end of the year 2000.

7d. All IP networks

An informative report on the activities of the 3GPP2 All IP ad-hoc group was provided by Tom Towle. Parviz Yegani was not able to attend the meeting, and the TSG-A All IP ad-hoc group met under the leadership of Tom Towle.

TSG-A will continue to study issues related to IP architecture and interfaces within the Radio Access Network until the All IP ad-hoc releases its recommendation. TSG-A will not start any standard development activities regarding all IP until that time.

**8. New business—**

1 8a Vice chair position

2  
3 Document 3GPP2-A-20000717-003 is a letter of resignation from Junmo Koo as vice-chairman of 3GPP2  
4 TSG-A. A new vice chair will be designated by TTA in time for the August meeting.

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6 8b. 1x EV-DO

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8 This document was remanded to WGC. A correspondence to TSG-S will be developed off-line after the  
9 meeting to inform TSG-S about impacts of the 1X EV-DO on TSG-A's Technical Specifications.

10  
11 8c TSG-A Server

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13 The Chair thanked Tom Towle (Lucent) for kindly offering to carry the server and its equipment to this  
14 meeting.

15  
16 In the absence of any volunteers to carry the server and its equipment on a regular basis, it was decided  
17 that the host company will be responsible for transporting the server equipment from the previous meeting  
18 location to the location where the meeting is being hosted, and for handing it off to the host of the next  
19 meeting.

20  
21 This process started with this meeting.

22  
23 **9. Working Group reports**

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

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27 Working Group A:

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29 Working Group A reported that they had reviewed contributions related to IOS V4.1. The IOS editor  
30 reported that all accepted contributions were included in the Baseline version of the document. Baseline  
31 text for IOS V4.1 will be available during the week of July 24<sup>th</sup>, 2000. IOS V4.1 V&V will start  
32 immediately thereafter, using the standard V&V forms. Working Group A is still on track to complete  
33 V&V of IOS V4.1 by the end of the August TSG-A meeting.

34  
35 The Working Group A report will be distributed by e-mail prior to the next meeting.

36  
37 Working Group A requested two days for the next meeting – the request was granted.

38  
39 Working Group B:

40  
41 Naoto Itoh (IDO), WGB chair reported that the SDOs approval process was ongoing and would complete  
42 by the end of the month. A Bug Fix Point Release will be presented to the TSG for approval at the  
43 August meeting with all modifications resulting from this process.

44  
45 Working Group B is due to start defining requirements for the next revision of the Abis Technical  
46 Specification (A.S0003-A). Participants are asked to provide a list of their requirements for the next  
47 meeting.

1 The Working Group B report will be distributed by e-mail prior to the next meeting.

2

3 Working Group B requested one full day for the next meeting – the request was granted.

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5 Working Group C:

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7 There was no report from Working Group C since this group had not met prior to the interim plenary.

8

9 Working Group C report is to be made available by e-mail prior to the next meeting.

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11 Working Group C requested one full day for the next meeting – the request was granted.

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14 **10. Review assignments**

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16 1- Review document 3GPP2-A-20000717-008 (“bug fixes” rules) and have comments ready for the  
17 San Francisco meeting.

18 2- Contributions to be presented at the TSG-S meeting regarding RAN OAM&P

19 3- Participants to contribute their requirements for the next release of the Abis Technical  
20 Specification for the San Francisco meeting.

21 4- Working Group chairs to distribute draft meeting minutes for their Working Groups before the San  
22 Francisco meeting

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25 **11. Next meeting schedule**

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27 Document 3GPP2-A-20000717-012 is the meeting notice for the San Francisco meeting. It was approved  
28 by the TSG.

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30 Document 3GPP2-A-20000717-004 is the list of 3GPP2 TSG meetings for the year 2001. It was  
31 presented for information.

32

33 **12. Open discussions** –None were officially recorded.

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35 **13. Adjournment**—The closing interim meeting was adjourned at 4:30 pm on Wednesday July 19th,  
36 2000. TSG-A Working Group C met on Thursday July 20<sup>th</sup>, 2000.