

**TIA TR-34  
TIA Headquarters  
Arlington, VA  
Friday, January 19, 2001  
9:00 a.m. – 12 noon**

**Members Present:**

Globalstar	David Weinreich
ICO-Teledesic Global Limited	Jeff Binckes
LMGT	Ronald Kern
NASA	Peter Lowry
SRA	Paul Christopher representing John Draim
Teledesic	William Lye
Teledesic LLC	Wayne Longman
TRW Satellite Communications Division	Oliver Saunders

**Others:**

TIA, Susan Hoyler  
TIA, Gerry Rosenblatt  
TIA, Bill Belt

**1. Welcome and Opening Remarks**

Mr. Jeff Binckes, Chair of TR-34, called the meeting to order and welcomed everyone to the meeting and requested that the attendees introduce themselves.

**2. Determination of Quorum**

It was determined that quorum was present with 5 of the 7 eligible companies present. **(2001-0119-002)** It was noted that several companies have changed ownership and that the quorum listed needed to be updated.

**ACTION ITEM 2001/0119-001:**

It was requested that staff normalize the quorum list in light of the recent mergers and acquisitions.

**3. Approval of Agenda**

The draft agenda **(2001-0119-001)** was reviewed and approved as written.

#### 4. Approval of October Meeting Report

The meeting minutes from the October 13, 2000 San Jose meeting (**2001-0119-003**) were reviewed and approved as written.

#### 5. Review of Action Items from Previous TR-34 meeting

ITEM NUMBER	DESCRIPTION	DISPOSITION
<b>ACTION ITEM 2000/1013-001</b>	<b>TR-34 can be in closer communication with the TIA International Committee by designating a TR-34 Representative to be put on distribution list with appropriate Points of Contacts (POCs).</b>	Susan Hoyler agreed to add Jeff Binckes to the database for the International Committee distribution list.
<b>ACTION ITEM 2000/1013-002</b>	<b>It was proposed that a volunteer look at the TIA Engineering Committees and Subcommittees (not to exceed 10) and identify where there might be mutual areas of interest in issues such as IP, Spectrum, Networking, Telephony, etc.</b>	Gerry Rosenblatt and Susan Hoyler (TIA staff) to examine work plans of all engineering committees and identify areas for mapping.
<b>ACTION ITEM 2000/1013-003</b>	<b>Identify relevant DOS areas for possible action. TIA to formulate a matrix tool to help screen relevant areas within DOS advisory groups.</b>	See notes below and new action items generated.
<b>ACTION ITEM 2000/1013-004</b>	<b>TIA liaison with Enrique Laborde, Ka-Band Satellite Systems WG Chair, regarding a TIA web site page dedicated to Ka-Band documents and issues. Assigned to Gerry Rosenblatt</b>	Gerry Rosenblatt is working on the development. Additionally, it was suggested that a press release be issued to solicit new membership in this group.
<b>ACTION ITEM 2000/1013-005</b>	<b>Discuss Ka-Band collaboration with ETSI. Assigned to Prakash Chitre to initiate liaison</b>	Enrique Laborde will send letter to ETSI to initiate liaison.
<b>ACTION ITEM 2000/1013-006</b>	<b>Bill Lye to check and report on the status of the FCC Report &amp; Order that would impact the 18GHz WG. To report at the Jan. meeting.</b>	Bill Lye reported that 18GHz was deactivated. This issue was tabled to the next meeting and placemarked as an ongoing activity.
<b>ACTION ITEM 2000/1013-007</b>	<b>Development of standardization for satellite Internet protocol interfacing. It was agreed that terms of reference would need to be developed first, which would be taken back to respective companies for comment. Ongoing activity. Assigned to Ferit for completion. Ferit will report on feasibility after correspondence with Prakash.</b>	It was reported that Ferit is no longer with COMSAT and no report is available. It is necessary to find a new person to take on this action. Jeff Binckes will contact Prakash Chitre to identify possible person to take on item.
<b>ACTION ITEM 2000/1013-008</b>	<b>Bill Lye to recommend best course of action that the Committee/Industry should take to address RF license database issue in a meaningful and non-derogatory way, with a need to update database and coordination</b>	See notes below.

	<b>process. Ongoing. Bill Lye to contact Comsearch, as the largest purveyor of frequency/DB coordination services, in this regard and report back at next meeting.</b>	
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<b>ACTION ITEM 2000/1013-003</b>	<b>Identify relevant DOS areas for possible action. TIA to formulate a matrix tool to help screen relevant areas within DOS advisory groups.</b>
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A review was conducted and the conclusion was that any spectrum issue that TR34 could address is being examined by the FCC and the ITU-WRC. However, TR-34.2 could review the mechanics of interference from a technical point of view by the end of January and provide input.

<b>ACTION ITEM 2001/0119-002:</b>
It was requested that the members of the group review the WRC 2003 agenda with satellite orientation and identify items of priority for this group. Items identified should be sent to Jeff Binckes at <a href="mailto:jeffrey.binckes@ico.com">jeffrey.binckes@ico.com</a> and a follow-up teleconference will be held.

<b>ACTION ITEM 2001/0119-003:</b>
It was requested that staff post the WRC 2003 agenda on the FTP site.

<b>ACTION ITEM 2001/0119-004:</b>
It was requested that staff remove passwords from the TR34 FTP site.

<b>ACTION ITEM 2001/0119-005:</b>
It was requested that staff work with the Ka band WG chair, Enrique Laborde, to issue a press release via TIA to recruit new participants for the WG

<b>ACTION ITEM 2000/1013-008</b>	<b>Bill Lye to recommend best course of action that the Committee/Industry should take to address RF license database issue in a meaningful and non-derogatory way, with a need to update database and coordination process. Ongoing. Bill Lye to contact Comsearch, as the largest purveyor of frequency/DB coordination services, in this regard and report back at next meeting.</b>
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Bill Lye reported on the continuing issue of coordination of the RF license database for the industry. Issues exist because often information is not removed from the database since the FCC doesn't issue public notices. Sometimes interference exists only on paper since the current database does not remove old information. Mr. Lye has discussed this concern several times with Comsearch and there is increased awareness by Comsearch. In addition, it was noted that Chris Hardy (Comsearch) is the interim president of National Spectrum

Managers Association (NSMA) and that Mr. Hardy has increased awareness of the issue. This is an ongoing activity to address RF license database issue.

It was mentioned that sometime in March of this year that NTIA is supposed to declassify the master file of government frequency usage and post on its website.

It was also mentioned that there is also a classified database at the Electromagnetic Analysis Center (ECAC) but it is not known whom has access.

**ACTION ITEM 2001/0119-006:**

It was requested that any additional information on the release of the master file of the government frequency usage be provided at the next scheduled meeting.

**6. Activity and Future Work Reports**

- **Communications Interoperability Section & TR-34.1 (Prakash Chitre)**
- **Spectrum & Orbit Utilization Section & TR-34.2 (Bill Lye/Jeff Binckes)**
- **JSC: SOUS & Fixed Point-to-Point Section (Bill Lye)**

Oliver Saunders provided a verbal report on the work of TR-34.1. Considerable discussion ensued on the Ka Band WG and how it interacts with ETSI. It was questioned how an individual in a non-North American country could represent North American interests. The Ka Band WG is outreaching to the ETSI Broadband Group.

Enrique Laborde is establishing a list of work items for a standard in the Ka band WG. There seems to be a reluctance of companies to commit resources to this standard, even though the Department of Defense is pleading for the development of the standard.

**ACTION ITEM 2001/0119-007:**

It was requested that TIA staff, Susan Hoyler, would follow up with the 4 companies that need to file IPR statements and on the ETSI copyright release so that the GMR standards can be published in a timely manner.

An update for TR-34.2 was provided.

An update on the SOUS was provided. Reply comments were filed on the NPRM 96-49. TIA comments deviated a bit from the rest of the satellite industry regarding future use of coordinating interference. TIA is opposed to including information on items such as mountains, buildings in service rules and would rather rely on NSMA. Jeff Binckes suggested one area to explore is

recordkeeping and recommendations be made to the FCC that database administration not be included in the rulemaking. The deadline for filing reply comments is Feb. 8 or 9.

**ACTION ITEM 2001/0119-008:**

It was requested that Bill Lye draft reply comments on NPRM 96-49 by Friday, Jan 26 and distribute it to the SOUS email list. Comments must be provided to Bill by close of business Monday, Jan 29.

It was noted that there are existing industry documents to address interference such as TSB10F which addressed microwave to microwave interference and microwave to satellite interference. It was asked if a similar document exists. To some extent, TSB86 addresses mobile satellite interference but not fixed satellite. Jeff Binckes suggested that perhaps a TSB is needed on satellite to satellite interference. It was noted that there may be a limited number of proponents since proprietary interests are involved.

**ACTION ITEM 2001/0119-009:**

It was requested that complimentary copies of TSB-86 be provided to Gerry Rosenblatt and Oliver Saunders for examination.

Another issue raised was that Power Flux Density (PFD) limits are contained in ITU Recommendations but not in North American standards. Other groups, including the Fixed Wireless Communications Consortium, are saying PFD limits are not FCC required. TR34 needs to validate international requirements as domestic requirements.

## **7. Other Business**

### TIA Reorganization

Susan Hoyler and Gerry Rosenblatt reported on the recent restructuring of TIA effective January 1, 2001. There is an emphasis on a unified policy for both domestic and international issues, an emphasis on creating marketing opportunities for TIA member companies, and lastly a separation of standards from the regulatory divisions. In the previous structure, product divisions provided guidance to the standards activities in a top down manner. In the new structure, the guidance from the product divisions is more formalized and is one of many sources that can provide input to the standards activities.

**ACTION ITEM 2001/0119-010:**

It was requested that staff draft a document showing the new structure of the standards department and the Divisions/Sections.

Promotion of TR-34 standards to government agencies.

This relates to the Presidential Decision mandating that the government implement private sector standards. The Dept. of Defense is in process of streamlining its purchase process and are accepting standards that apply to particular devices.

Susan Hoyler, TIA, suggested that staff help create a promotional piece listing all TR34 standards and how to get copies. In order to do this, she recommended that a task group identify 5-10 government agencies and a point of contact.

**ACTION ITEM 2001/0119-011:**  
 A task group identify 5-10 government agencies and a point of contact for a TIA promotional piece on TR 34 standards. Susan Hoyler to develop and distribute.

**8. Date and Place of Next Meeting**

It was recommended that the next set of meetings be held in conjunction with the EIA Spring Conference on May 8, 9, 10, 2001.

In addition, future meeting dates proposed are:  
 July 10, 11, 12-Washington DC  
 Oct 16, 17, 18-TBD

**9. Meeting Adjournment**

The meeting was adjourned at 12:15 p.m.

Respectfully submitted,

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 Susan Hoyler, TIA

**CARRYOVER ACTION ITEMS**

		Jan. 2001	DISPOSITION
<b>ACTION ITEM 2000/1013 -001</b>	<b>TR-34 can be in closer communication with the TIA International Committee by designating a TR-34</b>	Susan Hoyler agreed to add Jeff Binckes to the database for the International Committee	

	<b>Representative to be put on distribution list with appropriate Points of Contacts (POCs).</b>	distribution list.	
<b>ACTION ITEM 2000/1013-002</b>	<b>It was proposed that a volunteer look at the TIA Engineering Committees and Subcommittees (not to exceed 10) and identify where there might be mutual areas of interest in issues such as IP, Spectrum, Networking, Telephony, etc.</b>	Gerry Rosenblatt and Susan Hoyler (TIA staff) to examine work plans of all engineering committees and identify areas for mapping.	
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**NEW ACTION ITEMS**

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	items of priority for this group. Items identified should be sent to Jeff Binckes at <a href="mailto:jeffrey.binckes@ico.com">jeffrey.binckes@ico.com</a> and a follow-up teleconference will be held.	
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2001-0119-001

## TR-34 Engineering Committee

**Date:** Friday, January 19, 2001  
9:00 a.m. – 12 noon

*Location:* TIA HQ  
**2500 Wilson Blvd., Suite 300**  
**Arlington, VA 22201**  
(703) 907-7700

**Chair:** Jeffrey B. Binckes, ICO-Teledesic Global, Ltd.  
1730 Rhode Island Ave., NW Suite 1000  
Washington, D.C. 20036  
Phone/Fax: (202) 721-0967/(202) 887-0889  
Email: [jeffrey.binckes@ico.com](mailto:jeffrey.binckes@ico.com)

### Agenda

- 1) ~~Welcome and Opening Remarks~~
  - 2) ~~Determination of Quorum~~
  - 3) ~~Approval of Agenda~~
  - 4) Approval of October Meeting Report
  - 5) Review of Action Items from Previous TR-34 Meeting
  - 6) Activity and Future Work Reports
    - Communications Interoperability Section & TR-34.1 (Prakash Chitre)
    - Spectrum & Orbit Utilization Section & TR-34.2 (Bill Lye/Jeff Binckes)
    - JSC: SOUS & Fixed Point-to-Point Section (Bill Lye)
  - 7) Other Business
    - Promotion of TR-34 standards to government agencies. This relates to the Presidential Decision mandating that the government implement private sector standards.
    - Other items
  - 8) Date and Place of Next Meeting
- Adjourn

2001-0119-002

Quorum List for TR34

<b>COMPANY</b>	<b>5/01</b>	<b>1/19/01</b>	<b>10/17/00</b>	<b>6/29/00</b>	<b>3/15/00</b>	<b>1/20/00</b>	<b>10/28/99</b>
Boeing*		A	P	A	A	A	A
GlobalStar		P	P	P	P	A	A
ICO-Teledesic**		P	P	P	P	A	P
LMGT***		P	A	P	P	P	P
NASA		P	P	P	P	P	P
NSMA		A	P	P	P	A	A
SRA		P	--	--	--	--	--
TRW		P	A	A	P	A	P

\*Boeing acquired Hughes and will take over membership

\*\*ICO acquired Teledesic and is known as ICO-Teledesic

\*\*\*LMCO acquired COMSAT

## DROPPED:

Alcatel		A	A	A	P	P	A
Loral		A	A	A	P	A	A
PanAm Sat		A	A	A	A	A	P
Qualcomm		A	A	A	A	P	P
University of Ohio		A	A	A	A	A	P
<i>Hughes</i>		<i>A</i>	<i>A</i>	<i>P</i>	<i>P</i>	<i>P</i>	<i>P</i>
<i>Teledesic</i>		<i>P</i>	<i>P</i>	<i>P</i>	<i>P</i>	<i>P</i>	<i>P</i>
<i>COMSAT</i>		<i>A</i>	<i>A</i>	<i>P</i>	<i>P</i>	<i>P</i>	<i>P</i>