

From: IN%"ECCIRN-M@CEARN.cern.ch" "Euro-CCIRN list (CCIRN members only)" 4-M
To: Kees Neggers <NEGGERS@SURFnet.nl>
CC:
Subj: Final Minutes--CCIRN Videoconference

Received: from HEARNVAX.nic.SURFnet.nl by SURFnet.NL; Mon, 4 Mar 91 18:25 MET
Received: from mcsun.EU.net by HEARNVAX.nic.SURFnet.nl; Mon, 4 Mar 91 18:31 MET
Received: from cernvax.cern.ch by mcsun.EU.net with SMTP; id AA10377
(5.65a/CWI-2.75); Mon, 4 Mar 91 18:29:17 +0100
Received: by cernvax.cern.ch (5.57/Ultrix2.0-B) id AA19302; Mon, 4 Mar 91
18:27:43 +0100
Received: by dxmint.cern.ch (cernvax) (5.57/3.14) id AA13650; Mon, 4 Mar 91
18:16:08 +0100
Received: from CEARN.cern.ch by CEARN.cern.ch (IBM VM SMTP R1.2.2MX) with BSMT
id 1597; Mon, 04 Mar 91 18:25:31 GVA
Received: by CEARN (Mailer R2.07B) id 1588; Mon, 04 Mar 91 18:25:17 GVA
Date: Mon, 4 Mar 91 18:23:19 GVA
From: Lynn Behnke <BEHNKE@DARPA.MIL>
Subject: Final Minutes--CCIRN Videoconference
Sender: "Euro-CCIRN list (CCIRN members only)" <ECCIRN-M@CEARN.cern.ch>
To: Kees Neggers <NEGGERS@SURFnet.nl>
Reply-to: "Euro-CCIRN list (CCIRN members only)" <ECCIRN-M@CEARN.cern.ch>
Message-id: <9103041716.AA13650@dxmint.cern.ch>
X-To: naccirn@LBL.GOV, eccirn-m@cearn.cern.ch
X-Cc: fnc@fnc.gov, pvm@VAX.DARPA.MIL, gricart@dcsc.umd.edu,
behnke@VAX.DARPA.MIL
X-Envelope-to: neggers@SURFNET.NL

All comments and corrections have been incorporated into the following:

CCIRN Video Teleconference Minutes
17 January 1991

Attendance

Guy Almes	FARnet	almes@rice.edu
Bill Bostwick	FNC	bostwick@darpa.mil
Brian Carpenter	CERN/CCIRN	brian@priam.cern.ch
Steve Goldstein	NSF	goldstein@note.nsf.gov
Phillip Gross	CNRI	pgross@nri.reston.va.us
Peter Kirstein	UCL/ICB	kirstein@cs.ucl.ac.uk
Barry Leiner	IAB	bleiner@ads.com
Paul Mockapetris	DARPA	pvm@darpa.mil
Glen Ricart	FARnet	gricart@dcsc.umd.edu
Ira Richer	DARPA	richer@darpa.mil
Jaime Perez Vidal	CEC	jper@dg13.cec.be

1. Welcome

Bill Bostwick called the meeting to order at 9:00am on Thursday, January 17th. The normal Canadian representatives were unable to attend due to conflicts. Some Euro-CCIRN members could not attend due to the Gulf War interrupting normal air travel. The agenda was reviewed and adopted. It was agreed that since this was a limited CCIRN meeting, minutes from the last meeting would be reviewed and ratified at the May meeting.

2. IEPG Report

2.a. IEPG Terms of Reference

Phill Gross proposed the following changes to the IEPG TOR:

- o Last sentence of the first paragraph should be changed to:
"The goal of the IEPG is to work toward a more technically coordinated environment of global networking infrastructural services in keeping with the spirit of the CCIRN, including the goal of integrating international standards."
The above change was agreed to by the attendees.
- o Section 2, bullet c), Phill proposed to delete the entire phrase "...based on national and international standards..." and allow the meaning to be implicit from the first section. Per a Santa Fe meeting agreement, it was decided to keep references to standards in the first section. The Section 2 deletion was agreed upon.

Action: Phill will send out a revised draft of the TOR. We will await Kees Neggers' concurrence with the changes.

2.b. Status of IEPG Activities

Phill reviewed items on the CCIRN/IEPG Issues List below:

N l i	Link coordination and planning
N l i	Mapping
N l i	Statistics and Measurement
N l i	Global DNS
N l i	Global Registration
N l i	Global Routing
N l i	NOC Coordination
N l i	Introduction of CLNS
N l i	E-mail coordination
N l a	Network management
N l a	Multi-protocol support
N l x	Directory services, e.g., X.500
N l x	File Services
N l x	National character sets
N l x	Changing Global Reality
N l x	Access control and network integrity
N	Interactive login
N	Video conferencing
N	Trans-oceanic and continental distributed facilities
N	Reliable end-to-end services
N	Remote job entry
N	Dial-in access
F	Computer-supported collaborative work
F	Access to unique resources
F	Distributed visualization
F	Compound documents
F	Client server facilities
F	Archives for distributed computing
F	Data representation and exchange
F	Group communications services

Per the Santa Fe meeting, 'N' denotes items for consideration

now, and 'F' for future items. The numeral '1' denotes a high priority item. An 'i' denotes the nine items the IEPG named as one of its tasks, 'a' denotes issues the IEPG had implicitly agreed to consider as aspects of their named items, and 'x' denotes items the IEPG had not agreed to take on.

Phill reported that things were going well in all areas. Documentation has already been written for link coordination and planning, statistics and measurement, global DNS, global registration, and NOC coordination. A draft workplan is currently being developed and will be reviewed at the May CCIRN meeting. At that time implementation status for each of the items on the issues list will be reviewed for status. Beginning May 1, the IEPG will also provide a short, quarterly summary on the status of activities, meetings, and global engineering coordination.

Action: IEPG to complete and distribute a draft work plan for the 10 items they have accepted for review at the May CCIRN meeting, and begin distribution of a quarterly summary report by May 1st.

Peter Kirstein informed the group that he had discussed with Steve Kille the need for cooperation between the IETF, COSINE and the Pacific representatives - in line with the action requested at the last CCIRN meeting. Steve is acting as the Chair of the IETF Directory group, and as the Technical Director of the relevant COSINE project. He also stated that a RARE WG3 meeting on X.500 in Brussels took place in January with US and European representatives present. Peter was instructed to inform Kille of the need for the IETF and RARE/COSINE also to coordinate with the Pacific representatives.

3. IETF Status of Activities

Phill Gross reported several working groups are being formed for operations coordination.

- o Link coordination and planning - as a result of the IEPG meeting in Santa Fe, Phill is reorganizing and beefing up the operations of the IETF. The IETF will make itself available to discuss link coordination issues in North America and outside North America as requested.
- o Mapping - a working group has been formed by Phill and Bernard Stockman.
- o Statistics and measurement - Stockman and Phill formed a working group in December. Jaime Vidal Perez asked how he could obtain documents on this issue. Phill said he will forward intermediate to final results and the IETF proceedings.
- o Global DNS - a working group is being reconstituted from the domain name group.
- o Global registration - mostly this has been an IEPG activity. Elise has done some work on this issue.
- o Global routing - specific issues have been laid out and will be drafted into Terms of Reference for a

working group. Clearly this will be an international effort.

- o NOC coordination - a User Connectivity Working Group has been established to deal with trouble reporting, ticketing, and resolution. In Phill's opinion, the NOC coordination issue subsumes other activity items such as common reporting techniques now being discussed under global registration. Realignment and fine-tuning of activities will be done in the work plan.
- o Introduction of CLNS - this is still in a very formative stage. A working group has met and is attempting to draft a coordinated plan.
- o E-mail coordination - not much activity has taken place as yet.
- o Directory services - continues to be a very active effort.
- o File services - working group has been formed and is working on distributed file systems. It still needs to be determined if the working group is doing what the CCIRN wants on this issue.

4. COSINE Report

Jaime Vidal Perez reported that COSINE is fully underway with five contracts awarded: X.500 directories, user support, MHS, MHS gateway to US, and FTAM gateway to US. A public tender was announced for IXI production service and attracted a great deal of interest. Jaime announced a March meeting is being planned by Peter Tindemans titled European Consultative Forum on Research Networking. The intent of the meeting is to discuss networking beyond the scope of COSINE.

Peter Kirstein informed the group that a RARE WG3 meeting on X.500 in Brussels took place in January with US and European representatives present. Peter was instructed to inform the IETF, COSINE, and Pacific representatives of their need to coordinate.

Steve Goldstein reported the WGC is considering soliciting proposals for user services, and he thanked the European representatives for sending him WG3 reports.

Barry Leiner commented that after hearing from the IETF, IEPG, COSINE, and RARE, he was pleased to see how well things are working out among Phill's various efforts. Things appear to be falling into a well-coordinated environment.

5. New NSF Link to Europe

Steve Goldstein reported that NSF has entered into a cooperative agreement with US Sprint to implement and manage two new links to Europe linking NSFnet to INRIA at Sophia-Antipolis, and to NORDUnet at Stockholm. In the US, the existing circuits are being upgraded to 128KBS and re-terminated at Cornell from Princeton. The estimated implementation date is mid-March 1991 if not earlier. Steve mentioned that the new links would be using the new PTAT-1 cable whereas most existing transatlantic links are

on TAT-8.

Bill Bostwick noted that three new links are now scheduled to come up in the same timeframe: the German link at 128KBS, and the two new NSF links. Europe should take note of this as they plan their activities regarding backbone links in Europe.

A discussion began regarding the legal aspects of the tendering/solicitation process. Peter Kirstein pointed out that procurement regulations regarding international links and equipment will become an increasingly important issue as we near 1992, and no one within the current coordinating bodies is qualified to deal with the legal issues involved. This problem will need to be addressed and resolved in the near future.

6. New Requirement for Coordination

6.a. EASINET/GARR to NSFnet

Brian Carpenter reported that he attended an EASINET meeting in Bologna recently and had three specific points EASINET wanted mentioned to the CCIRN:

- 1) It is the perception in EASINET that concerns over the German fat pipe coordination have been resolved.
- 2) EPC is not persuaded that the 2 links to INRIA and NORDUnet were adequately coordinated.
- 3) There has been active discussion between GARR and IBM to see whether EASINET money could link GARR to NSFnet at some point at 128KBS. The Italians are prepared to consult with the IEPG on the advisability of such a link and would like to do this fairly quickly.

Bill stated that there is nothing wrong with GARR pursuing this last item, but we would like to see coordination within the European community. The attendees agreed there should be coordination among all parties. Brian will make sure the Italians are talking to RIPE.

6.b. Brazil to Europe Link

Steve Goldstein reported on a December meeting with Brazilian representatives regarding a Rio to CERFNET link. Over the next two years, they will establish a national network for Brazil and then approach the US on national network links. Peter Kirstein noted that the Brazilian representatives will be visiting Europe in February.

7. X.400 Progress

Phill reported that there are 2 working groups within the IETF currently involved with X.400. Deployment issues are being addressed.

8. Global Realities

Bill informed the group that some progress is being made on FNC actions concerned with changing global realities. The issues have been separated into two areas: simple connectivity for file transfer and mail as a minimum, and export licensing of software for things such as privacy enhanced mail. The Department of Commerce has become involved in digging out regulations. More

progress should be made by the May meeting.

Steve Goldstein reported that the preliminary indications from Commerce are that there is nothing precluding connecting to anywhere in the world with a full suite of network services, but the export of technology and products is proscribed.

Bill would like to see as an agenda item for May discussion of how Europe will handle coordination of Eastern Bloc nations.

9. Planning for the May Meeting

Action: Bill will get together with Kees to develop an agenda for the May CCIRN meeting.

As yet there is still no CCIRN-type body in existence for the Pacific rim. So far, Australia has identified one person to work policy issues, but the Japanese have not made progress on creating a functioning organizational body. A good technical coordination group does exist in PACCOM. Bill is still pursuing the action to make a Japanese contact.

Action: Bill and Lynn Behnke will look into establishing a CCIRN mailer that will include Europe.

Next Meeting: May 21-22, 1991 in Paris.

The location of the fall 1991 meeting will tentatively be in Vancouver November 11-13.

Thanks to those who set up the videoconference for us.
