

EARN EXECUTIVE COMMITTEE (EARN EXEC)

EARN EXEC-MEETING NUMBER 26

CONFIDENTIAL TO THE EARN EXECUTIVE

Minutes of the meeting held May 27 and June 3, 1989

PLACE: Capsis Beach Hotel, Heraklion, Crete, Greece

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|-----------------|-----------------------|-------|----------------|
| EARN EXECUTIVE: | Paul Bryant, | (PB) | Secretary |
| | Avi Cohen, | (AC) | |
| | Frode Greisen, | (FG) | President |
| | Michael Hebgen, | (MH) | Vice President |
| | Jean-Loic Delahay | (JLD) | for |
| | Jean-Claude Ippolito, | (JCI) | Treasurer |
| | Dennis Jennings, | (DJ) | |
| | Stephano Trumpy, | (ST) | |

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| EARN STAFF: | Alain Auroux, | (AA) | Paris Office |
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26.1 Action review - EXEC50 89

Executive meeting 22

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| DJ to prepare annex to Management of Change proposal (examples, etc.) | Complete |
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| DJ - write to Physics Library | Retain |
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| JCI - paper on NSFNET IP link | Retain |
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Board Meeting October 24/25, 1988

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| JCI/AA to split travel by category for 1989 | Retain |
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| AA legal services contract, including termination for non payment | Complete |
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| FG Circulate BITNET charter for Associate Networks | Retain |
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| FG - discussion with UK and Germany on budget | |
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Retain

Executive meeting 23

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| 23.5.1 | To provide OSI resource plan | DJ Complete |
| 23.6.1 | To arrange contracts for essential tasks | AA Complete |
| 23.6.3 | To approach BITNET on GENROUTS | FG/MH Retain to AA |
| 23.6.4 | To approach BITNET on cost of maintenance | FG Complete |
| 23.11.11 | To study use of CWI to CERN HEP line | DJ Retain |
| 23.12.4 | To negotiate 2nd German contribution | FG Complete |
| 23.12.5 | To reply to Bob Coopers letter on funding | FG/DJ Complete |
| 23.12.9 | To refine funding model for 1990 | FG Complete |

Executive meeting 24

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|-------|--|-------------------|
| 24.6 | Inform BoD of possible Statutes change | AC Complete |
| 24.12 | Publish EXEC/8/89 and further develop | AA/FG Complete |
| 24.16 | Re-draft EXEC/20/89 and publish | DJ Retain |
| 24.18 | Provide detailed OSI plan to Executive | DJ Complete |
| 24.26 | Update EXEC INFO/3/89 and issue for approval | PB Complete |

Executive meeting 25

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| 25.1 | To report to Board meeting on the results of BITNET/EARN discussions TAL payments. | FG |
| Complete | | |
| 25.1 | To Ask X.25 group to study conformance with COSINE specifications. | DJ Retain |
| 25.2.1 | To re-draft SEC0 and distribute. | PB Complete |
| 25.2.2 | To re-draft SEC2 and re-submit to Executive. | PB Complete |
| 25.2.3 | To re-draft SEC16 and re-submit to Executive. | DJ/PB Complete |

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| 25.3 | To re-draft EXEC29 89 and issue to Board. | PB Complete |
| 25.4.1 | To update EXEC42 89 and send to FG. | AA Complete |
| 25.4.1 | To send updated EXEC42 89 to Board with covering note then to Board. | FG Complete |
| 25.4.2 | To set up sub group on use of account codes. | AA Complete |
| 25.4.3 | To produce new contributions for issue with Board papers. | AA Complete |
| 25.4.4 | To issue EXEC48 89 with Board papers. | PB Complete |
| 25.4.4 | To amend figures in other papers to correspond to the auditor's figures. | AA Complete |
| 25.5 | To inform E Thomas of decision not to sign the agreement. | FG Complete |
| 25.5 | To take steps to ensure inter-operability between EARN and BITNET distribution systems. | FG Retain |
| 25.5 | To provide a project proposal on the future of distribution systems. | MH Complete |
| 25.6 | To amend and publish EXEC45 89. | PB Complete |
| 25.7.1 | To provide BITNET meeting report. | UG Retain to AA |
| 25.7.1 | To send a representative to BITNET technical meetings twice a year. | AA Complete |
| 25.7.1 | To invite BITNET to send a representative to EARN technical meetings. | AA Complete |
| 25.7.2 | To publish EXEC47 89. | PB Complete |
| 25.7.2 | To negotiate for production of new GENROUTS. | AA Complete |
| 25.7.2 | To ask IBM to run topology model on latest EARN traffic figures. | AA Complete |
| Resolved - | To follow up the results of IBM running the topology model. | Action AA |
| 25.7.3 | To set up sub-group to resolve fee problem. | MH |

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| 25.7.3 | To investigate Sweden/Finland topology. | Complete AA |
| 25.8 | To amend EXEC35 89. | Complete AC |
| 25.8 | To circulate Code of Conduct for comment. | Complete PB |
| 25.9 | To report on offer of support from France. | Complete FG |
| 25.9 | To investigate other offers of support. | Retain FG |
| 25.9 | To provide job description for EARN manager | Complete AC/FG |
| 25.22 | To update EXEC37 89 | Retain AA |
| 25.23 | To re-draft paper on technical work and issue for electronic approval. | Complete ST |
| 25.23 | Circulate agreed technical work paper to the Board meeting. | Complete PB |
| 25.23 | To organise EARN technical meeting. | Complete ST |
| | | Complete |

26.1 Proposal to approve the preparations for the
Board Meeting

Resolved - The Executive will discuss and bring up recommendations to encourage early payments from countries by discounts and penalties for year 1990.

Action AA

Resolved - A subgroup consisting of MH, PB, and AC will examine possible models for paying for LISTSERV and similar traffic.

Action MH,PB,AC

26.2 X.25 and OSI

26.2.1 Proposal to approve section 2 of the X.25 project documentation

Resolved - EXEC52 89 was approved with changes to PROJECT SEC2 and this will be published.

26.2.2 Proposal to approve section 16 of the X.25 project documentation

Resolved - EXEC53 89 and PROJECT SEC16 will be submitted to J Striplin for comment and refinement and re-submitted to the Executive.

Action DJ

26.2.3 OSI migration resources

Noted - EXEC62 89 was not considered and will be considered at the next meeting.

26.2.4 Proposal for OSI transition strategy for the coming 18 months

Resolved - the proposal EXEC68 89 will be used as input for a revised transition plan and not published. See 26.10.1 for action.

26.3 Finance

26.3.1 Proposal for EARN accounting codes

Resolved - EXEC55 89 will continue to be refined electronically this to conclude by July 1, 1989. It will not be published.

Action AA

26.4 Proposal for LISTSERV support

Noted - the support of LISTSERV is now resolved.

Resolved - The proposal EXEC57 89 is withdrawn. The EARN manager will draw up a plan for the support of LISTSERV in conjunction with T Kalfaoglu. Negotiation on co-operation with BITNET will continue. Negotiation with E Thomas will continue on co-operation.

Action AA

Resolved - EARN Technical and management plan, EXEC25 89, will be updated in line with recent NOG decisions. It will be published as BOD12.

Action AA

26.5 Proposal for an EARN project on routing table generation from EARN Germany

Noted - That the production of a new GENROUTS product is progressing according to EXEC56 89 at GMD at a cost to EARN of between 20 and 21

DM. EXEC56 89 will be published. The design will be submitted to the NOG for verification. EXEC25 will be updated appropriately. Negotiation on the funding with BITNET will continue.

Resolved - the Executive approves the decisions taken under delegated powers for the production of a new GENROUTS. The NOG is instructed to take responsibility for the acceptance of the product.

Action AA

26.6 Proposal for an EARN study project on value added services from EARN Germany

Resolved - to consider a report on the Ege University contract at the next meeting.

Action AA

Resolved - A study will take place via a new project group, EARN-VAS, to identify development areas in the OSI field together with possible contractors and funding sources. Terms of reference will be drawn up by ST. Liaison will be via ST.

Action ST

Resolved - EXEC58 89 will be considered in the light of the outcome of the new project group set up above, it will not be published.

26.7 Proposal to control of the use of lists

Resolved - EXEC61 89 was accepted with a minor change and will be published as EXEC76 89.

Action AA

26.8 Legal issues on EARN contracts and membership

Resolved - EXEC59 89 will be revised and clarified but not published. The EARN accounts will not be registered until it is confirmed that EARN has no tax liabilities.

Action AA

26.9 Letter from IBM

Resolved - The letter from IBM EXEC60 89 was welcomed and will be replied to and the reply published. The reply will propose a meeting to resolve political issues followed by a technical meeting to resolve the technical detail.

Action FG

Resolved - a letter will be sent to DEC defining the current situation with respect to the DEC offer of a transatlantic line.

Action DJ

26.10 Post-mortem of Board Meeting

26.10.1 OSI transition

Resolved - In the light of the instructions from the Board of Directors, see BOD29 89, a further transition proposal will be produced as soon as possible and refined for issue as a draft to the Board before September 14, 1989. A draft structure suggested to the Board was:

- Introduction - statement of circumstances, objectives, resources.
- Policy statements - continuity of service, user needs.
- Long term objectives for high speeds and new services.
- Detailed plan(s) including connections to other networks and dates.
- Cost analysis.
- Uncertainty analysis.
- Option for the Board of Directors.
- Recommendations.

Action DJ

26.10.2 Finance

Resolved - In the light of the instruction from the Board of Directors to drop the installation of a second trans-Atlantic line in 1989 and 1990 as well as their request to reconsider the contingency figure a new set of figures will be produced.

Action AA

26.10.3 Comments

Noted - The following comments were made-

- Executive members who are familiar with the papers should take a less active part in questioning and debate and should be scattered around the table to reduce the their impact.
- Papers submitted to the Board by the Executive are, unless otherwise stated, the collective responsibility of the Executive and thus new issues should normally only come from non-Executive members and observers.

- At the closure of a debate each member should be asked for a final comment.
- Native English speakers should speak slowly.

26.11 Proposal for changes to Nordic international links

Resolved - EXEC63 89 was approved subject to the NOG assuring the Executive that the changes would not be damaging to the network and that there is no significant opposition. EXEC63 89 will be published. The NOG will provide a paper giving this assurance after an examination of the statistics.

Action AA

Resolved - that in future network changes which require Executive agreement, see "management of Change", should preferably first be considered by the NOG and a recommendation produced before submission to the Executive.

Action AA

26.12 EARN France proposal to host the EARN office

Resolved - in the light of further negotiation the French offer, EXEC65 89, will be accepted subject to a letter confirming the offer from the French Director stating the offers duration. Responsibility for making a final decision on the location is delegated to the President.

Action FG

26.13 NOG proposal to the Executive for a LISTSERV gateway

Resolved - EXEC72 89 was accepted in principle subject to a detailed proposal and a clear statement of the problem, it will be published. BITNET should be involved in any design work and close liaison should take place on all aspects of LISTSERV. EARN will take over management of LISTSERV in EARN.

Action AA

Resolved - A more detailed analysis of the use of T Kalfaoglu's time is required with a view to managing this resource.

Action AA

Resolved - The agreement, EXEC43 89, with E Thomas will be signed after informing BITNET. It will be published.

26.14 EARN statistics "directive"

Resolved - EXEC71 89 will be submitted to the Board of Directors with a recommendation for approval. A suitable system is required for VAXes and this will be investigated with Egypt and H Salminen. It will be published as BOD33 89.

Action AA

26.15 Proposal for G-boxes

Resolved - the proposal, EXEC64 89, was approved subject to agreeing satisfactory connections to the NT switches. It will be published. Note that the connection of the NT switches to CNUCE switches does not currently appear feasible and this will be investigated.

Action ST

26.16 Proposed EARN/NORDUNET agreement

Resolved - EXEC69 89 will be discussed between DJ and E Laukholm with a view to arriving at a satisfactory agreement. It will not be published.

Action DJ

26.17 Request to the EARN Executive to authorise a virtual route between CERN and CUNY

Resolved - to reconsider EXEC73 89 after the SNA Project Group has reported. It will not be published.

Confidential items for decision

26.18 Salaries

Resolved - EXEC74 89 was approved with modifications and will be re-issued as EXEC75 89 and not published. DJ took no part in this discussion as an interested party.

Executive planning

26.19 Agenda for meeting 27.

Resolved - In the light of the Board of Directors meeting the principle items for the next meeting will be-

The OSI transition plan - see Board of Directors minutes and the Board of Directors meeting post mortem.

New financial figures - see Board of Director's minutes and the Board of Directors meeting post mortem.

26.20 To determine dates for subsequent meetings

July 7/8, 1989. This will be combined with the opening of the Amsterdam office. The meeting will start at about 11.00 and end at 16.00. Deadline for papers is June 23 1989.

September 7/8, 1989, time and location to be announced. Deadline for papers August 24, 1989.

October 18, 1989 afternoon and October 21, 1989 ending 14.00. This will be in conjunction with the Board of Directors meeting in Portugal. Deadline for papers for both meetings October 4, 1989.

December 13/14, 1989 Paris, time and location to be announced. deadline for papers November 29, 1989.

Resolved - A NOG meeting will be arranged some time before the BOD in October to allow for the preparation of papers for the EXEC and BOD.
Action AA

Items for information

26.21 o investigate Sweden/Finland topology

Noted - a verbal report.

26.22 Draft code of conduct

Noted - the code of conduct will be published as BOD18 89.

26.23 List of technical documents

Noted - EXEC54 89 will be published

26.24 Document index

Noted - the revised document index EXINF13 89. The next documentation index will be EXINF14 89.

Action List

Executive meeting 22

DJ - write to Physics Library
JCI - paper on NSFNET IP link

Board Meeting October 24/25, 1988

JCI/AA to split travel by category for 1989
FG Circulate BITNET charter for Associate Networks
FG - discussions with UK and Germany on budget

Executive meeting 23

23.6.3 To approach BITNET on GENROUTES AA
23.11.11 o study use of CWI to CERN HEP line DJ

Executive meeting 24

24.15 Re-draft EXEC/20/89 and publish DJ

Executive meeting 25

25.1 To ask X.25 group to study conformance with
Cosine specification. DJ
25.5 To take steps to ensure inter-operability
between EARN and BITNET distribution systems. FG
25.7.1 To provide an offer of support from France. AA
25.9 To report on offer of support from France. FG
25.9 To provide job description for EARN manager AC/FG

Executive meeting 26

26.1 To follow up results of IBM running topology
model AA
26.2.2 Submit PROJECT SEC16 to J Striplan for

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| | comment, re-draft, and submit to Executive | DJ |
| 26.3.1 | Continue to refine project codes, EXEC55 89 | AA |
| 26.4 | Produce support plan for LISTSERV. Negotiate with BITNET and E Thomas. | AA |
| 26.4 | Update EARN technical and management plan EXEC25 89 | AA |
| 26.5 | Instruct NOG to be responsible for GENROUTS project | AA |
| 26.6 | Produce report of Ege University contract | AA |
| 26.6 | Produce terms of reference for EARN-VAS and set up | ST |
| 26.7 | Implement EXEC76 89 for control of lists | AA |
| 26.8 | Revise and clarify EXEC59 89 and register EARN accounts if EARN has no tax liabilities | AA |
| 26.9 | Reply to letter from IBM, EXEC60 89 and set up political and technical meetings | FG |
| 26.10.1 | Produce transition proposal | DJ |
| 26.10.2 | Revise budget figures | AA |
| 26.11 | NOG to assure Executive that changes to Nordic lines are not damaging | AA |
| 26.11 | To ensure NOG makes recommendation on all future changes subject to "management of change" procedures | AA |
| 26.12 | Decide of location of EARN office | FG |
| 26.13 | Manage LISTSERV, provide detailed proposal LISTGATE | AA |
| 26.13 | Sign LISTSERV agreement with E Thomas | FG |
| 26.14 | Investigate statistics collection on a VAX | AA |
| 26.15 | Investigate connection of Italian G-box to the NT switch | ST |
| 26.16 | Discuss EARN/NORDUNET and re-draft | DJ |
| 26.20 | To organise NOG meeting before BOD meeting | AA |

Board meeting June 1/2, 1989

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| 21.4.4 | To reword and publish BOD26 89 to align with the text of "directives and recommendations |
| 21.5.1 | Produce draft OSI plan by September 14, 1989 |
| 21.7.2 | To produce proposals for dealing with late payments including disconnection procedures |
| 21.7.3 | Re-draft and publish funding model BOD27 89 |
| 21.7.3 | produce "server compensation proposals |
| 21.7.3 | Work towards applying traffic keys for charging and report on application to 1991 figures |
| 21.7.4 | Revise the 1990 budget |
| 21.7.4 | Investigate options for trans-Atlantic back-up |
| 21.8.3 | Investigate possibility of linking EARN 90 with the RARE Networkshop or failing that a |

21.8.4 Pisa conference
Draw up terms of reference for a Permanent Group
on user support activities