

EARN EXECUTIVE

EARN/Nordunet agreement- for approval

issued by
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OPERATION OF EARN/NORDUNET AGREEMENT

The agreement between EARN, the four Nordic Countries as represented by the Nordic EARN Directors, and Nordunet, is contained in the letters exchanged between the four Nordic EARN directors and the President of EARN. It covers the discussions and correspondence between all the parties.

1. Line Resources

1.1 EARN will contribute 14.5K ECU in 1989 to the cost of the 64K link between CWI, Amsterdam, and KTH, Stockholm. EARN has no commitment to any future contribution to the cost of the connection between the Nordic countries and the rest of EARN. The 1989 amount is a special contribution to the Nordic countries to facilitate co-operation between EARN and Nordunet and to further the EARN Transition to OSI. Payment of the costs of the connection between Nordunet and EARN in 1990 and subsequent years will be determined by the then effective EARN funding model.

1.2 This link will be shared (bandsplit) to provide 9.6K for existing EARN RSCS traffic, and a further 9.6K for X.25 in the context of the EARN OSI Transition Programme.

1.3 The RSCS link will be to the the present EARN backbone. Details of the connection between the termination of this link at CWI and the EARN backbone have yet to be agreed.

1.4 The X.25 link will be to an NT backbone switch (currently installed in CWI.)

1.5 The remainder of the link will be used by EUNET and HEPNET traffic.

1.6 TDM equipment will be supplied by NORDUNET

2. G-boxes

2.1 EARN will provide 4 G-boxes, of predetermined configuration agreed between EARN and DEC, to the four Nordic EARN member countries, to be located at the EARN Nordic backbone sites (RUNIT, UNI-C, KTH, and VTKK).

2.2 these machines will be used:

(a) to provide for existing EARN services and to carry NJE/OSI/X.25 and other OSI services, as part of EARN's OSI Transition Programme. Between the Nordic countries, temporary solutions such as bandsplitting the Nordunet bandwidth, or the use of other temporary protocols such as NJE/OSI/802.3, may be used.

(b) to act on DECnet routers on behalf of the intra Nordic traffic according to the Nordunet/HEPNET scheme.

2.3 The G-boxes will remain the property of EARN, and will be managed by the EARN OSI Operations Centre in Amsterdam, taking into account the constraints arising from the use of the G-Boxes as part of HEPNET in the Nordic countries, and in co-operation with Nordunet.

2.4 DECnet configuration, as required for 2.2 (b), will be the responsibility of a designated NORDUNET Operations Manager, acting in consultation with the EARN OSI Operations Centre so that no conflicts arise between Nordunet's requirements for operational DECNET services and EARN's requirements for DECNET for G-Box management purposes.

2.5 The intention is to operate services to EARN and to NORDUNET with the G-boxes which are, as far as is practical, independent of the sites hosting the machines. In this respect, the designated NORDUNET Operations Manager, the national EARN operations managers (or EARN NCCs), and the EARN OSI Operations Manager, will take all necessary precautions with regard to security both of the hardware and software.

2.6 Use of the machines as in 2.2 (b) will be the subject of a letter of authorisation from Digital Equipment Corporation (Europe) to EARN, under the terms of the current DEC-EARN agreement.

2.7 For purposes of on-site maintenance, and software support, sites may have to conclude standard service contracts with the local DEC subsidiary. However, responsibility for hardware and software maintenance will remain with EARN.

3. Ongoing relationship

For further discussion.