THE CN DIVISIONAL PLANNING GROUP

Minutes of the Meeting held on 19th. July 1993

PRESENT: J.J.Bunn(Secretary), B.Carpenter, D.Foster, S.Jarp, J.Joosten, J.–C.Juvet, M.Marquina, M.Metcalf, A.Osborne, H.Renshall, D.O.Williams(Chairman).

- *MINUTES OF LAST MEETING (CN/DPG/93/MIN/5), AND MATTERS ARISING*

The Minutes were accepted as written. The list of action items was reviewed:

— The paper on Session Login Sources would be distributed by A>Osborne before the next meeting.
— J.Altaber would be ready to speak on VSAT sometime in the Autumn.
— D.O.Williams had received a draft paper from the MPP Steering Group.

B.Carpenter announced that he would soon be distributing a paper on network strategy, a copy of the document to be presented to the Telecom Board.

- *CHAIRMAN'S REPORT*

D.O.Williams said that the LHC Strategy Group would be chaired by Llewelyn–Smith. The R&D baseline posts in CN Division had just been opened, and an internal post for Novell had been agreed to.

- *FDDI DEPLOYMENT*

J.Joosten presented plans for the deployment of FDDI around the CERN site. Copies of his trans–parencies are attached. He described the current status of FDDI cabling at CERN, which included four rings: FAL, T128, T192 and L3. The FDDI backbone is 16 km. long.

Presently, there was a hard decision on which choice to make between 62.5 micron multimode fibre and category 5 twisted pair wire (UTP, to which we will have to migrate to anyway later). The multimode fibre was possibly unsuitable for true Gigabit networking to the desktop, due to laser interference modes. On the other hand, UTP would be suitable for EThernet, Token Ring, Appletalk, FDDI and maybe ATM (which he believed was two years away from production sta–tus). He said that new buildings should definitely be cabled with UTP, and this had already been done for twenty offices in building 104. In these offices, four connections per office had been foreseen.

New cabling could either be done alongside the old cables, or the old cables could be ripped out and replaced with the new. In any case, re–cabling would work out very expensive.

He said that we would see more routers in the new structured wiring network. One advantage of structured wiring was that it allowed a flexible choice of whether to attach a particle system via a router or a bridge to the network.

- *NOVELL PLANS*

D.Foster described the plans for consolidating and improving the Novell installation on the CERN site. Copies of his transparencies are attached. Presently there were forty–five Novell servers: this number could be conveniently reduced to avoid waste of system management effort. He remarked that operational issues around Novell were beginning to look as complex as those expe–rienced with the CORE services.

In the near future, Novell 4.0 would be arriving, and this would require a substantial effort in upgrading the existing platforms. It was intended to make available weekly Novell usage figures as part of the weekly CN report.

- *ANY OTHER BUSINESS*

1. B.Carpenter mentioned that he and others had attended the Internet Engineering Task Force (IETF) meeting in Amsterdam. He had learned that Sun software like bind, ONC NFS were being submitted to IETF, which could increase their credibility. Version 3 of NFS was sup– posedly much better than version 2.

- *NEXT MEETING*

Members of the DPG will be deemed to have taken note of the following information on future meetings dates:

1. September 27 (Special planning meeting)
2. October 18
3. November 15

Table 1: Action Items

This list is intended to show the items which are currently awaiting presentation at the DPG. The Entry date is the date of the meeting at which the action item arose, and the Target date is the date by which the action item should have been dealt with.

Name	Entry Date	Target Date	Task
F.Fluckiger	Nov 1991	1993	Give Computer Colloquium on Multimedia
M.Marquina	Nov 1992	Dec 1992	64 bit CERNLIB
J.Altaber	Nov 1992	1993	Use of VSAT for poor countries