40 years in 10 Minutes

Group Leaders

David Lord   Nov 1983 - Jan 1985
Brian Carpenter   Feb 1985 - Dec 1996
Jacques Altaber   Jan 1997 - Feb 2001
Pål Anderssen   Mar 2001 - Sep 2003
David Foster   Oct 2003 - Dec 2008
Jean-Michel Jouanigot   Jan 2009 - Sep 2013
Tony Cass   Oct 2013 - Dec 2024

3 Divisions/Departments: DD, CN, IT

7 DLs/DHs: Paolo Zanella, David Williams, Juergen May, Manuel Delfino,
          Wolfgang von Rueden, Frédéric Hemmer, Enrica Porcari

7 DGs: Herwig Schopper, Carlo Rubbia, Chris Llewellyn Smith, Luciano Maiani,
       Robert Aymar, Rolf Heuer, Fabiola Gianotti

From   To

And did you know?

- Email was a CS responsibility…

  - … when it was **hard**!

  - From Maria Dimou 1989

The following | The mail protocols run on | The following software a | The hardware which cur | **How to Quote your Address**

- MAIL
- Simple
- Batch
- RSCS
- X.400 ly)
- X.400

These mail p

MAIL − 11 runs on
SMTP runs on top o
BSMTP runs on top
RSCS runs on top o
X.400 P1 runs on to
UUCP runs on top o

- VMSmail running
- Sendmail running
- rmail running on U
- Berkeley Mail run
- UBC_EAN 2.1 ru
- UBC_EAN 2.1 ru
- DFN_EAN 2.2 ru
- PMDF v3.0 runni
- MAIL running on

- CERNVAX is a
- UBC_EAN 2.1 (
- DXMINT is a DI
- VXGIFT is a mic
- only X.25 interfac
- UXCSB1 is a VA
- UXCOMS is a m
- CEARN is a IBN

Each m
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to arran
This cre
side the
collabor
subset c
CERN.

All these machines are connected

SOURCE NETWORK | **ALTERNATIVE ADDRESS FORMAT**

EARN/BITNET   user%host@cernvax or user%host AT cernvax
     jnet%"user%host@cernvax" (from VMS)

DECNET   host::user   (to a DECnet host at CERN)
     vxgift::mint%"user@host.cern"
       (to non-DECnet hosts)

EUNET/USENET   cernvax!host!user

JANET   user@cern.host
   user%cern.host@ean − relay

ARPA   user%host%cernvax.bitnet@wiscvm.wisc.edu

ldress [12] so when users of the
thin the CERN site we have ar-
ess syntax, but it is not possible
your address to a colleague out-
Guide [5] giving hints to external
syntax − user@host.cern. This
for sending mail to someone at

- See this academic training lecture and links

Computer Security…

- … also started as a CS responsibility
  - David Lord, John Gamble & Denise Heagerty were all in CS when they were the CERN CSO.

1.1 Hackers − A Reminder and A Warning

We still suffer from attacks by hackers every day. Twenty attempts to break in is now the daily rate for some VAXes at CERN.

While we have taken steps to approach the Swiss PTT, with the advice of the CERN legal service, to find possible ways of acting against these people, we insist on the principle that each end-user system should protect itself. This is the only solution in that it gives a much finer granularity of protection and puts the responsibility for protecting resources where it belongs (i.e. on the owners of the resources).

Apart from ″external″ hacking, we suffered from an ″internal″ attack some weeks ago. The accident was traced back and the person responsible identified. Since the attack was clearly not malicious, in this particular case, we decided to forget about the incident. A lot of (scarce) human resources were, however, wasted in hunting down the culprit, diverting our attention both from our normal occupations and from the monitoring of more serious and malicious attacks.

CERN users are thus warned that in the future we may take serious actions against the persons responsible for hacking attacks.

Giorgio Heiman

CNL 183, Jan-Feb 1986

The Future?
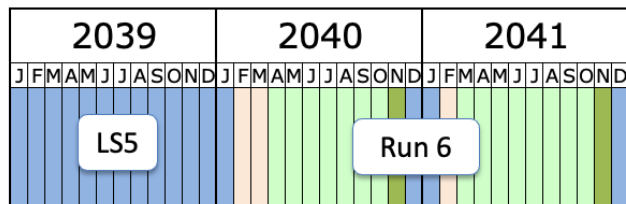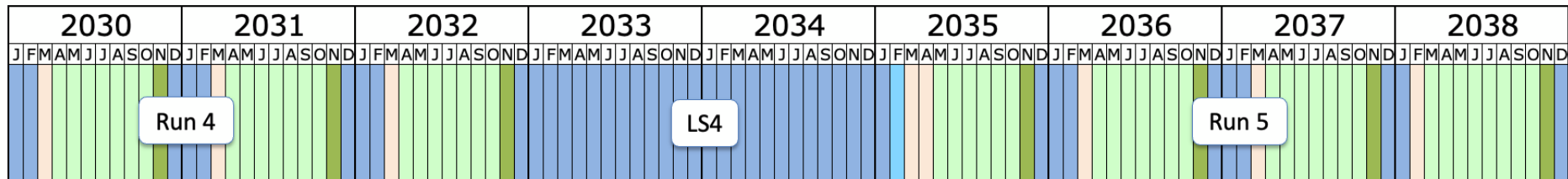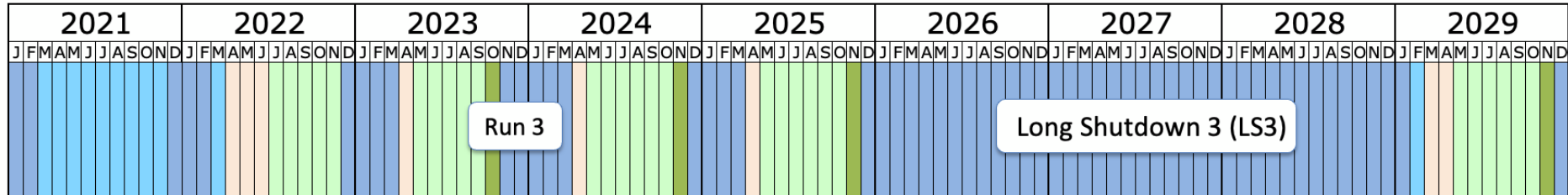
and… FCC

But: plus ça change…

4.5 Recommendations of the Technical Board on Communications

This article outlines the recommendations of the Technical Board on Communications for Terminal Connections and the Use of Local Area Networks

INTRODUCTION

At the present time, CERN is facing a difficult period of adaptation. Whilst the growth of the physics programme has continued unabated and, as a result, the number of users of CERN has never been greater, the staff complement has decreased in recent years and will **necessarily decrease further** in the coming decade. In this context, if we are to maintain the pre-eminent position of the laboratory in the world, we must take every possible advantage of modern technology to improve the efficiency of our staff at all levels.

CNL 188, Mar-May 1987, p18