

Alberto Aimar

From: "David Foster" <David.Foster@cern.ch>
To: "Holger Marten" <holger.marten@iwr.fzk.de>; "worldwide-lcg-management-board (LCG Management Board)" <worldwide-lcg-management-board@cern.ch>
Sent: Monday, November 21, 2005 3:49 PM
Subject: RE: LCG High level milestones

> 1. Concerning OPN-1 and OPN-2, we (LCG) depend on national
 > NRENs and GEANT. Do we have names for the sites that are
 > ready with the OPN by 31.12.2005 and 31.03.2006? Speaking for
 > GridKa, we have a 10 Gbps link already working now, but it is
 > not the anticipated new dedicated OPN. Thus, OPN-2 is
 > reasonable for us, OPN-1 (if it really means the new
 > dedicated network) is not.
 >

Marten, indeed, the milestones are realistic but do refer to the proposed production infrastructure that should be in place. As such, they do not refer to the 10G layer-3 connection that both CERN and FZK have today.

So, at present, we have, the new 10G link to Fermilab, already tendered and in place, the 10G link to BNL, already in place but waiting "last mile" from ESNet. SARA is connected at 10G via Surfnet. TRIUMF will have their new link commissioned to Netherlight but will rely on Surfnet providing the last-mile via the second 10G link in place.

Coming on-line in the next 1-2 weeks we have the 10G dedicated link to IN2P3 over the RENATER dark fiber, the 10G link to GARR will be operational across GEANT-2 in the next few days. This will rely then on the GARR transport to CNAF for the last mile.

So for the 3 T1's I think we can foresee Fermilab, SARA and IN2P3 but also TRIUMF, BNL and CNAF will not be far behind, if at all by the end of this year. ASCC has already 2.5G to netherlight (sharing the 10G transport to CERN via SURFNET) and it is not completely clear how that will evolve.

It is a complicated space as many things are happening now that the GEANT-2 pop is active, but at least all is moving in the same direction!

Cheers David.

 Dr David G. Foster tel: +41-22-767 1067
 Network and Communications Systems Group Leader
 fax: +41-22-767 4900
 CERN - IT Department mobile: +41-76-487 3130
 CH-1211 Geneva 23 email: david.foster@cern.ch
 Switzerland
