



Networking for T1/T2 Interactions in the UK

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Attendees: Bob Day, Jeremy Sharp, David Salmon (UKERNA); Robin Tasker (for GridPP)

- Estimation of LHC network usage presented and formed the basis of the discussion. It was made clear that the numbers represent the "best" estimation to date and the level of uncertainty increases for interactions away from those of the T0/T1's.
- UKERNA considered a 10GigE feed into RAL as the most appropriate delivery for T0/T1 and T1/T1 traffic; and this fits into their perceptions for TVN-2 and SJ5. It will form the basis of their discussions with DANTE and other NRENs.
- T1/T2 interactions are less certain particularly where the UK T2 sites are in fact themselves collaborations between University groups. RT provides a list of sites associated with each T2 and also noted that the precise relationship between a T1 and the set of T2's was not yet established.
- UKERNA will consider the options available but agreed to "wake up" the Regional Network Operators (RPAN) to the likely requirements of the LHC activity to ensure that as a part of RPAN upgrade (2005/06) they are aware of what's happening and plan accordingly.

TVN

A procurement exercise is underway to upgrade the Thames Valley Network to a dark fibre network over which the transmission services will be procured and operated by UKERNA and must be fully operational by the 31st August 2005.



Next slide



The GÉANT2 network will connect 34 countries through 30 national research and education networks using multiple 10Gbps wavelengths. Ensuring high-quality service from one end user to another, over multiple interconnected networks, is central to the aims and approach of GÉANT2. The transition to GÉANT2 will occur through 2005

SuperJANET5



Building blocks for SJ5

point-to-point bandwidth channels built on a flexible transmission platform provided as

- dedicated wavelengths over a WDM (Wave Division Multiplexed) system or
- point-to-point SDH (Synchronous Digital Hierarchy) circuits.



