19 July Meeting

Summary, Conclusions, Actions

	AS	Backup	Separated Traffic	Monitoring	ACL	Connection	NOC	Border Monitoring	Equipment	Technical Contact	Security Contact
CERN	AS513	From T1's	Yes	SNMP ….	YES	From T1's	24x7	Yes	Known	Edoardo Martelli	
RAL	Provided by UKERNA	GEANT	Yes		YES	UKLight then GEANT					
PIC	AS766 provided by RedIris	GEANT	Yes	SNMP+Tools	YES	GEANT	24x7	Ntd	tbd	MariPaz de Andres	
FNAL	AS3152	Triangle	Yes	SNMP, MonaLisa	YES	LHCNet	24x7	Yes			
IN2P3	AS789	Maybe via Geant	Yes	SNMP	YES	Dedicated Own Fiber	24x7	Yes	Cisco 6500	Jerome Bernier	
TRIUMF	Regional?	Possibly via NY	Yes, no general traffic	SNMP+other	YES ?	Dedicated 5Gbs via NY/Amsterdam	Joint	Unknown			
NDGF	Yes, TBD	GEANT or CBF	Yes	SNMP	YES	GEANT + NORDUnet	24x7 NORDUne	Yes	tbd	Per Nihlen	
FZK	??	GEANT/SARA	Yes	SNMP, Ganglia, Nagios, cacti	YES	GEANT/DFN	DFN&GEANT?	Yes	Cisco 6509	Bruno Hoeft	
CNAF	AS137 by GARR	GEANT/Via other T1	Yes (3x10G) (production, LHC and T1)	SNMP, L3	YES	GEANT	Business hours. 24x7 future	Yes	Juniper M320		
SARA	AS1126	CBF with FZK?	Yes	SNMP+tools	YES	GEANT	24x7 (SURFnet NOC)			Pieter de Boer	
ASCC	AS9264	Dedicated Via Chicago/Amsterdam		SNMP+tools	YES	Dedicated, then via GEANT to CERN	24x7	Yes	Juniper M320, Cisco 6509	Yu-lin Chang	
BNL	AS43	Manlan Ring	Yes	Spectrum CiscoWorks	Firewall	LHCNet	24x7				

Summary – T0/T1 Top Items

- Version 2 of the document. (DF)
  - Complete some details and word for increased clarity in scope.
- Where do we go from here?
  1. Security (Led by: UK – Robin Tasker)
     - What should be done?
     - Agree a plan for ACL/Firewall protection.
  2. OPN IP Network Design (Led by: CERN Edoardo Martelli)
     - Agree an IP design and routing based on a specific topology.
       - Backup routes.
  3. Monitoring (Led by: US-LHCNet ….. Shawn Mckee …..)
     - Definition of what is needed, metrics and techniques
       - Agree a framework and agree a design based on detailed hardware infrastructure understanding and monitoring technology.
  4. Network Operations (Led by: DANTE Roberto Sabatino)
     - Agree a process for problem determination and resolution.
       - Pilot
       - LCG/EGEE GOC, ROC, CIC interface, T1 interface
       - Organise a small number of multiple noc's
       - Organise Border equipment to the OPN
- Mailing lists by Aug 20th
- First draft reports by November.