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Naming conventions and links IDs

When new links are added do not forget to warn GGUS team to have them modifying the links ID in the TTS.

The MTUs in this section are given as the maximum size of packet (IP MTU) or frame (L2 MTU - often ethernet MTU) that can be transmitted without fragmentation.

Official site naming

Official T0/T1 sitename	Old/usual sitename	IP MTU for hosts in LHCOPN server's farm	ICMP unreachable
CA-TRIUMF	TRIUMF	9000B	
CH-CERN	CERN	1500B	
DE-KIT	GRIDKA , FZK	1500B	
ES-PIC	PIC	1500B and 9000B	
FR-CCIN2P3	IN2P3	1500B	enabled
IT-INFN-CNAF	CNAF	9000B	
KR-KISTI	KISTI	9000B	
NDGF	NORDUGRID	1500B (plan to go to 9000B)	
NL-T1	SARA and Nikhef	9000B	
RRC-KI-T1			
TW-ASGC	ASGC	1500B	
UK-T1-RAL	RAL	1500B (unsure)	
US-FNAL-CMS	FNAL, FERMI, FERMILAB	9000B	
US-T1-BNL	BNL	1500B	

Links' ID and information

T0-T1 links							
Link ID	T1	T0 router	Use	Bandwidth	IP prefix	Min L2 MTU	M
CERN-TRIUMF-LHCOPN-001	CA-TRIUMF	CH-CERN R02LCG	Backup	1G	192.16.166.84/30	9192B	90
CERN-TRIUMF-LHCOPN-002	CA-TRIUMF	CH-CERN R01LCG	Primary	5G	192.16.166.80/30	9192B	90
CERN-GRIDKA-LHCOPN-001	DE-KIT	CH-CERN R01LCG	Primary	10G	192.16.166.32/30		
CERN-PIC-LHCOPN-001	ES-PIC	CH-CERN R01LCG	Primary	10G	192.16.166.56/30	9216B	90
CERN-PIC-LHCOPN-002	ES-PIC	CH-CERN R03EXT	Backup	1G	192.16.155.64/30		15
CERN-IN2P3-LHCOPN-001	FR-CCIN2P3	CH-CERN R02LCG	Primary	10G	192.16.166.40/30	9026B	90
CERN-CNAF-LHCOPN-001	IT-INFN-CNAF	CH-CERN R02LCG	Primary	10G	192.16.166.16/30		90
CERN-CNAF-LHCOPN-002	IT-INFN-CNAF	CH-CERN	Secondary	10G			
CERN-NDGF-LHCOPN-001	NDGF	CH-CERN R01LCG	Primary	10G	192.16.166.48/30		90

T0-T1 links						
CERN-SARA-LHCOPN-001	NL-T1	CH-CERN R02LCG	Primary	10G	192.16.166.72/30	90
CERN-ASGC-LHCOPN-003	TW-ASGC	CH-CERN R01LCG	Primary	10G	192.16.166.0/30	
CERN-ASGC-LHCOPN-004	TW-ASGC	CH-CERN R02LCG	Backup	1.8G	192.16.166.96/30	
CERN-ASGC-LHCOPN-005	TW-ASGC	CH-CERN R02LCG	Backup	2.5G	192.16.166.148/30	
CERN-RRCK1-LHCOPN-001	RRC-KI-T1	CH-CERN R02LCG	Primary	2G	192.16.166.156/30	
CERN-RAL-LHCOPN-001	UK-T1-RAL	CH-CERN R01LCG	Primary	10G	192.16.166.68/30	96
CERN-RAL-LHCOPN-002	UK-T1-RAL	CH-CERN R02LCG	Backup	10G	192.16.166.140/30	96
CERN-FERMI-LHCOPN-001	US-FNAL-CMS	CH-CERN R02LCG	Primary	10G	192.16.166.24/30	90
CERN-FERMI-LHCOPN-002	US-FNAL-CMS	CH-CERN R01LCG	Backup	3.5G	192.16.166.28/30	90
CERN-FERMI-LHCOPN-003	US-FNAL-CMS	CH-CERN R02LCG	Secondary	7G	192.16.166.4/30	90
CERN-BNL-LHCOPN-001	US-T1-BNL	CH-CERN R01LCG	Primary	10G	192.16.166.8/30	90
CERN-BNL-LHCOPN-002	US-T1-BNL	CH-CERN R02LCG	Backup	3.5G	192.16.166.12/30	90
CERN-BNL-LHCOPN-003	US-T1-BNL	CH-CERN R01LCG	Primary	7G	192.16.166.88/30	90

T1-T1 links						
Link ID	T1 (responsible)	T1	Use	Bandwidth	IP prefix	Min L2 MTU
CNAF-GRIDKA-LHCOPN-001	IT-INFN-CNAF	DE-KIT	Transit	10G	192.16.166.100/30	
SARA-TRIUMF-LHCOPN-001	NL-T1	CA-TRIUMF	T1-T1	1G	206.12.9.40/29	9192B
GRIDKA-SARA-LHCOPN-001	DE-KIT	NL-T1	Transit	10G	192.16.166.104/30	
GRIDKA-IN2P3-LHCOPN-001	FR-CCIN2P3	DE-KIT	Transit	10G	192.16.166.108/30	9026B
NDGF-SARA-LHCOPN-001	NDGF	NL-T1	Transit	10G	1109.105.124.16/30	
ASGC-SARA-LHCOPN-001	TW-ASGC	NL-T1	T1-T1	2G	117.103.111.184/30	
FERMI-SARA-LHCOPN-001	US-FNAL-CMS	NL-T1	T1-T1	1G	198.151.133.140/30	
ASGC-FERMI-LHCOPN-001	TW-ASGC	US-FNAL-CMS	T1-T1	2G	198.151.133.176/30	

Internal T0 or T1's links (can strongly affect the LHCOPN)					
Link ID	T0/T1	Bandwidth	IP prefix	Min L2 MTU	Min IP MTU
CH-CERN-I-II-LHCOPN-001	CH-CERN	10G	192.16.166.252/30	9000B	
DE-KIT-I-II-LHCOPN-001	DE-KIT	10G			
TW-ASGC-AMS-TPE-LHCOPN-001	TW-ASGC	10G			
W-ASGC-AMS-CHI-LHCOPN-001	TW-ASGC	2.5G			
TW-ASGC-CHI-TPE-LHCOPN-001	TW-ASGC	2.5G			
SARA-NIKHEF-LHCOPN-001	NL-T1	10G		9018B	9000B

Old/decommissioned links				
T0/T1	T0/T1	Link ID	Status	Bandwidth
CH-CERN	TW-ASGC	CERN-ASGC-LHCOPN-001	Primary	1G
CH-CERN	TW-ASGC	CERN-ASGC-LHCOPN-002	Primary(bundle)	1G
US-T1-BNL	US-FNAL-CMS	BNL-FERMI-LHCOPN-001	Previously used for testing - Primary	.
US-T1-BNL	US-FNAL-CMS	BNL-FERMI-LHCOPN-002	Previously used for testing - Backup	.

Planned/not yet in production/Testing/Unknown links				
T0/T1	T0/T1	Link ID	Status	Bandwidth
CH-CERN	UK-T1-RAL	CERN-RAL-LHCOPN-002	Upcoming backup	10G

Responsibilities for links

- For T0 - T1 link responsibilities are on T1's side.
- For T1 - T1 link default responsibilities are depicted on the table of T1 - T1 links. They can be changed as soon as more precise details about an outage are known.
- For internal's T1 links, responsibilities is of course on hosting T1s.

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