Network connectivity to Janet and forward look from each Tier-2 site. IPv6 readiness is on the next table. Please fill these tables in as best as you can for your site. You may like to refer to the 2021 NFL: https://www.gridpp.ac.uk/2021-network-forward-look/

Site	Institute Janet connection	Tier-2 site WAN connection	Forward Look	Comment from administrator
UKI-LT2-IC-HEP	100 Gbit/s	100 Gbit/s shared		
UKI-LT2-QMUL	2*100 Gbit/s	100 Gbit/s dedicated		Site uses backup connection. Site capable of higher rates if needed. LHCONE also an option.
UKI-NORTHGRID-LANCS-HEP	40 Gbit/s	40 Gbit/s “dedicated”	100Gb/s “dedicated” in 2024	dedicated in this case means using principle user of the “backup link”. Cluster NAT’d
UKI-NORTHGRID-MAN-HEP	100 Gbit/s	40 Gbit/s dedicated		
UKI-SCOTGRID-GLASGOW	2x20Gbit/s?	“2 × 20 Gbit/s”		Upgrade in progress (should be 4x20Gbit/s?? for INST?). Technically we’re not supposed to use more than half the Inst link, but we definitely have gone above 20Gbits before…
UKI-LT2-Brunel	4 x 10Gbps	4x10 Gbps		
UKI-LT2-RHUL	2 x 10 Gbit/s	10 Gbit/s dedicated	Upgrade to 2 x 10 Gbit/s or shared 100 Gbit/s, timescale uncertain.	
UKI-NORTHGRID-LIV-HEP	2 x 20 Gbps	2 x 10Gbps	Institute upgrade to 2 x 40Gbps early 2024.	
UKI-NORTHGRID-SHEF-HEP	4*10Gbit/s	10Gbit/s	No changes expected	I believe this to be correct our 10Gbit/s is only capable of operating at 10Gbit/s but I believe has 2 routes out of the building both capable of the full speeds. Central don’t let me have any visibility over this.
UKI-SCOTGRID-DURHAM	10Gb/s	4 x 10Gb/s	Future planning 100Gbit/s	We may see further increases beyond the planned 10 Gbit/s as more HPC systems come online at DURHAM.
UKI-SCOTGRID-ECDF	2 x 20 Gbit/s	2 x 25 Gbit/s across campus to the 2 x 20 Janet connection	Maybe 2 x 40 Gbit/s if traffic warrants.	ECDF is part of a shared University cluster.
UKI-SOUTHGRID-BHAM		2 x 10 Gbit/s (though one is currently broken)	Looking to upgrade site to 25Gb/s over the next few years depending on hardware money	

UKI-SOUTHGRID-BRISTOL		3 x 10 Gbit/s	2 x 10 Gbit/s	probably 100 Gbit/s
UKI-SOUTHGRID-OX-HEP	100 Gbit/s	2 x 10 Gbit/s	Currently no upgrade plans	
UKI-SOUTHGRID-RALPPD	2x100Gb/s	2x100Gb/s	No Plans	
UKI-SOUTHGRID-SUSX	10 Gbit/s	10 Gbit/s	Expected to be 25 Gbit/s with our planned Network Replacement Project ~2025.	

IPv6 readiness

Site	Storage IPv6 dual-stack (if applicable)	Compute IPv6 dual-stack	Comments
RAL-LCG2			
UKI-LT2-IC-HEP	Yes	Yes	Site is fully IPv6 dual stack
UKI-LT2-QMUL	yes	yes	Site is fully IPv6 dual stack
UKI-NORTHGRID-LANCS-HEP	Yes	No	Compute v6 poses challenges that need to be considered.
UKI-NORTHGRID-MAN-HEP			
UKI-SCOTGRID-GLASGOW	Yes	No	Intention is to move compute to v6 dual-stack within the next few months Some weirdness with v6 for us in general as well…
UKI-LT2-Brunel	Yes	Yes	Site has been fully dual stack for maybe a decade.
UKI-LT2-RHUL	N/A	No	Compute v6 is a major challenge for us as we currently rely on NAT as part of the security model. Local IT support is also likely to be inadequate.
UKI-NORTHGRID-LIV-HEP	Yes	No	Should be able to move compute to dual-stack, subject to available effort. Will be investigating next year.
UKI-NORTHGRID-SHEF-HEP	N/A	No	Working towards it, but still a number of months away from having any batch system dual stacked.
UKI-SCOTGRID-DURHAM	No	Yes	Storage to follow after current issues are rectified

UKI-SCOTGRID-ECDF			
UKI-SOUTHGRID-BHAM-HEP	Yes	No	Compute should be ~trivial but need help from central IT and the person who does it is off sick
UKI-SOUTHGRID-BRIS-HEP	Yes	Yes	Worker nodes cannot be on IPv6 as long as we have HDFS. Will change once on CephFS
UKI-SOUTHGRID-OX-HEP	NA	Yes	CE and worker nodes are dual-stack.
UKI-SOUTHGRID-RALPPD	Yes	Yes	Site is fully IPv6 dual stack. Planning to test IPv6 only+XLAT+NAT64 WN
UKI-SOUTHGRID-SUSX			