Networks

Network Programme

Contract with prime IAAS supplier to include managing contracted network services also to provide single point for management of network equipment.

IAAS supplier to provide specialist resource to 'flex' the ELFT team where additional specialist resource or capacity is needed.

Proactive management of network and assets – ensuring patches, upgrades and rolling replacement, etc.

Firewalls are included in same support arrangements, with links to Cyber.

Clear and managed SLAs and standard charges, e.g. for new sites based on category, etc. Deliver network facilities/services to a standard across all locations.

Utilise technology/tools to support network design, management, and support.

Work to address risks regarding the status of comms rooms is part of the Digital Spaces Strategy.

WAN development programme

- Stabilise network to include resilient and load balanced connections etc. – address single points of failure, security boundary, configuration.

- Discovery and assessment, develop network design to align with multi-tenant cloud and 'on-prem' servers, network breakouts for HSCN and internet, unified comms, etc.

- Implement new network design to improve availability, user experience, network flexibility and dynamic management.

Wi-Fi development programme

- Phase one - replace legacy Wi-Fi with new Wi-Fi controllers and access points (APs) to improve reliability/resilience.

- Phase two - strategic Wi-Fi replacement to reduce complexity and provide a more dynamic solution. Incorporate Unified Comms requirements. For smaller sites APs which are simpler to configure and maintain, reducing on-site support needs.

Outline of target network   Note that there will be transitional stages in network development.

Trust Network

Up to 100mb · Up to 100mb · 1 Gb · 1 Gb · 5 Gb · 5 Gb

Business Broadband · Business Broadband · Two dedicated links · Two dedicated links

Load Balance · Load Balance · Load Balance

Priority C Sites · Priority B Sites · Priority A Sites