

YHMAN Lightpath E2E Service Support within the Region & Beyond

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JANET Lightpath Service

Provides UK support for End-to-End (E2E) Global connectivity

The E2E "supply-chain" connectivity is configured as an overlay to the regular Internet Service of National & International Research & Education networks, such as GÉANT & JANET. The services currently provided by E2E MPLS over JANET vpon, dedicated leased circuits or As for the Regional Networks, e.g. YHMAN.

YHMAN λ Lightpath Service

YHMAN λ Core/Backbone Service

1. Guaranteed/Dedicated High-Bandwidth (nx100M, 1G, nG)
2. Non-Disruptive to the Regular IP Service
3. Low Latency ($\lambda < 2ms$ compared to typically 30ms for 2 hop full meshed MPLS/IP Telco deployment)
4. No-Jitter (for λ)
5. No Data Loss or Re-Ordering
6. Secure Transit

JANET <-> YHMAN Lightpath

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YHMAN λ Lightpath Service

YHMAN Regional λ Lightpath Provision:

- Bradford Univ: 1Gbps Management School to City Campus
- Leeds Univ: 1Gbps Leeds Campus to Leeds Armley & Sheffield University
- Leeds Met (pending): NxtGen + 2G Fibrechannel, City Campus to Headingley

YHMAN Distributed Data Centre

Legend: DC Provider (green), DC Client (red)



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Thank you