Jisc

Working with other sectors

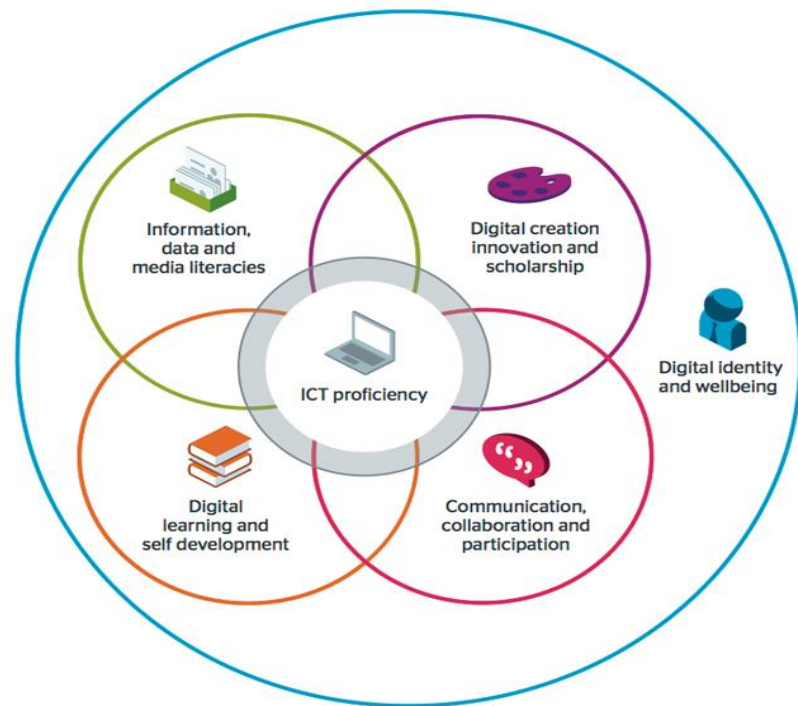24 Nov 2016
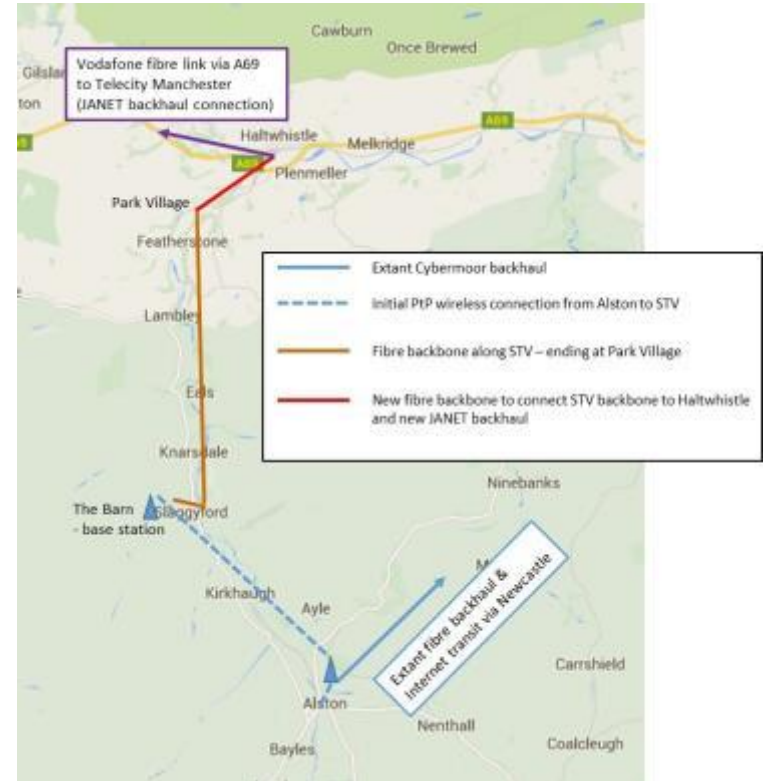
Bob Day

Chief Technology Officer, Jisc Technologies

» **Vision**: to make the UK the most digitally advanced education and research nation in the world

» **Mission**: to enable people in higher education, further education and skills in the UK to perform at the forefront of international practice by exploiting fully the possibilities of modern digital empowerment, content and connectivity.

» Supporting HE/FE collaboration with other sectors

› expecting direct benefit to Jisc's membership and core customers

» Supporting UK public services in exploiting digital possibilities

› opening up services, technology transfer

› expecting collateral benefit to Jisc's membership and core customers

» Sweating our assets

› revenue generation to contribute to costs of services

› Government: Telecommunications and Digital Infrastructure Portfolio

» Janet/N3 gateway

› → HSCN Consumer Network eXchange

› wider public-sector peering (GDS)

» Content, digital capabilities

› update from Ray this morning

› update from Carolyn later

» Assured data transfer

› Safe Share service on track for Spring '17

› wider applicability than "just" health informatics etc.

» Wide-area connectivity via Janet

›   primary/secondary education,
    local and devolved government

›   backhaul in difficult areas (BDUK)

» Public libraries: piloting UKAMF use

» Roaming (govroam)

» DNS support

›   gov.uk, gov.scot, gov.wales, llyw.cymru

» Cost-effective access to the PSN

Vodafone fibre link via A69 to Telecity Manchester (JANET backhaul connection)

———— Extant Cybermoor backhaul

- - - - Initial PtP wireless connection from Alston to STV

———— Fibre backbone along STV – ending at Park Village

———— New fibre backbone to connect STV backbone to Haltwhistle and new JANET backhaul

Extant fibre backhaul & internet transit via Newcastle

» Positioning (alongside eduroam but with separate governance)

  › a single UK-wide brand and SSID and a set of standards

  › for public-sector workers and accreditable co-workers

  › commercial market-place in local implementation

  › single national federation and market-neutral operator

  › aligned internationally to gain maximum benefit

» Potential constituency

  › health (NHS):   ~1,300   emergency services: ~100
    local government: ~350   central government: ~200
    national agencies: ~500   other organisations: ??

  › eduroam: ~1,000   **126 NHS sites in Malcolm's list!**

» GDS: "reasonable solutions" to PSN access are OK

  › general interest as GCSx contract ends and full PSN connection costs loom

  › potential use amongst small third-sector organisations

  » trial with London Borough of Hillingdon

» Janet

  › connecting a Safe Share "slice" over Janet to the PSN

  › providing an encrypted overlay over end-site's Internet connection

» Originally a proof of concept for GDS

  › … but interest growing in persistent service (incl. use in universities?)

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Executive Director, Janet
Chief Technology Officer
Jisc Technologies

Bob.Day@jisc.ac.uk

jisc.ac.uk