

Summary of site setup recommendations

In this section we list security-related issues to consider when deploying an H.323 service, in particular when joining the JANET H.323 service, using a studio system on the local campus.

Using the JVCS-IP

In the context of the JVCS-IP, that service will be responsible for:

- MCU set-up at the JANET C-PoPs;
- gatekeeper set-up at the JANET C-PoPs;
- monitoring and security checks of the publicly accessible C-PoP H.323 devices;
- informing users of the booking system of the importance of the privacy of any booking information the users see (having logged into the booking system);
- resilience to DoS attacks on the C-PoP-hosted H.323 components.

Responsibilities for sites connecting to the service include:

- set-up, configuration and security checks of any site gatekeeper used;
- set-up, configuration and security checks of any site proxy and/or firewall;
- security of the site H.323 videoconferencing studio;
- deployment of switched Ethernet paths to the studio and for network management;
- physical security of the H.323 terminal;
- lockdown of configuration options for the H.323 terminal;
- ensuring any site gatekeeper is manually configured, not using multicast discovery;
- liaising with the Regional Networks for QoS provision where required.

Further site-specific issues are described in Appendix A.

The JANET Videoconferencing Management Centre is responsible for performing site (studio) tests for quality assurance [JVCS-IP].

Risk assessment

The following table shows some recommendations and suggested risk assessment considerations. This is not an exhaustive list; sites should perform their own assessment exercises.

Figure 7: H.323 risk assessment threats

Threat	Likelihood	Impact	Countermeasure
Theft of system	Low	High	Physical security,

Unauthorised monitoring of an H.323 session	Low	Variable, depending on nature of conference	Use of encryption VPNs, IPsec. Use of switched E Do not publish fut
Unauthorised joining in an H.323 session	Low	Variable, depending on nature of conference	Controls at the ga Do not publish fut
Network adaptor / cable problems causing poor performance	High	High	Test physical cab Check duplex / sp
Gatekeeper ceases to function through hardware or failure	Low	High	Offer redundant g point of failure
User at client terminal is an imposter	Very low	Variable	Unlikely to be req recognisable visu

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