Shipboard Networks and Network Security

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Network & Computer Security

HiSeasNet Satellite Link

Static access-control list at the head-end of the GRE tunnel on UW router which terminates it.

Other than a few per-host exceptions, and a few per-protocol exceptions (NTP and ISAKMP), it prevents the following:

- Outside ICMP echo requests (ping)
- Outside access to UDP non-ephemeral ports ports 1-1024)
- Outside access to any TCP port where the packet is not considered "established" (i.e. non-solicited TCP traffic)

Shipboard Security

- General Use PC's run DeepFreeze
- We download McAffee virus software from the ftp site and place on our server. The ship-supplied PC's are pointed to our server for auto updates

Science User Computers

We do not scan their computers
Allowed to connect to the ship's network

We have not had attacks or virus problems