

# US Government - USGv6 Technical Infrastructure

As a part of the [United States](#) Government's transition of [US Civilian Agency Networks](#) to IPv6, OMB Memorandum M-05-22 directed the National Institute of Standards and Technology ([NIST](#)) to develop the technical infrastructure (standards and testing) necessary to support wide scale adoption of IPv6 in the US Government (USG). In response [NIST](#) developed a technical standards profile for US Government acquisition of IPv6 Hosts and Routers, and a specification for Network Protection Devices. The Host and Router profile includes a forward looking set of RFCs published by the Internet Engineering Task Force (IETF), encompassing basic IPv6 functionality, and specific requirements and key optional capabilities for routing, security, multicasting, mobility, network management, and quality of service. The Network Protection Device profile contains a NIST established set of capability requirements for IPv6 aware firewalls and intrusion detection systems.

Additional information is available on the [Technical Infrastructure for USGv6 Adoption](#) page. Information on [Participating Test Laboratories and Accreditors](#) is also available.