

NASA Science Network (NSN)

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Description

The NASA Science Network (NSN) is an IP network which supports scientists and flight projects funded by NASA's Office of Space Science and Applications (OSSA). The network is used to provide remote access to such resources as scientific databases and supercomputing centers. The NSN maintains hubs at several NASA centers which are interconnected in a partial mesh topology. These backbone sites use terrestrial circuits ranging in speed from 168 to 672 Kbps. From these hubs radiate numerous tail circuits; the majority of these tails are 56 Kbps, with a few at 9.6 Kbps as well.

The NSN was designed to provide NASA's scientific communities with a more general networking approach that would provide full networking services in a vendor-independent environment. These services include file transfer and remote logon as well as email.

NSN is a NASA-wide network managed by the NASA Science Internet Project Office (NSIPO) at Ames Research Center. It is used for NASA-funded space science research programs and flight projects.

Users include NASA sites, and government facilities, research, and academic sites conducting NASA-funded research.

Network access

Network access is limited to users who are accessing NASA resources.

Who Can Use the Network

Access is limited to facilities which are working on NASA-funded research. It may not be used for private or commercial profit.

Miscellaneous Information

In addition to NSN, the NASA Science Internet also operates SPAN, the Space Physics Analysis Network which utilizes DECnet protocols. NSI maintains applications gateways that provide connectivity between SPAN and NSN.

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