**SHORT NOTES**

**[ARPANET](https://en.wikipedia.org/wiki/ARPANET" \t "_blank)**[: The Advanced Research Projects Agency Network (ARPANET) was the first wide-area packet-switched network with distributed control and one of the first computer networks to implement the TCP/IP protocol suite](https://en.wikipedia.org/wiki/ARPANET" \t "_blank). [Both technologies became the technical foundation of the Internet](https://en.wikipedia.org/wiki/ARPANET" \t "_blank). [The ARPANET was established by the Advanced Research Projects Agency (ARPA) of the United States Department of Defense](https://en.wikipedia.org/wiki/ARPANET" \t "_blank). [The first computers were connected in 1969 and the Network Control Protocol was implemented in 1970](https://en.wikipedia.org/wiki/ARPANET" \t "_blank). [The network was declared operational in 1971](https://en.wikipedia.org/wiki/ARPANET). [Further software development enabled remote login, file transfer, and email](https://en.wikipedia.org/wiki/ARPANET" \t "_blank). [The ARPANET was formally decommissioned in 1990](https://en.wikipedia.org/wiki/ARPANET).

**DARPANET**: The term “DARPANET” appears to be a common misnomer for ARPANET. It seems to stem from a confusion between the terms “DARPA” (Defense Advanced Research Projects Agency) and “ARPANET”. [DARPA is the agency that funded and oversaw the development of ARPANET](https://en.wikipedia.org/wiki/ARPANET). However, there’s no separate entity or network known as “DARPANET”. [The correct term is ARPANET, which was developed by DARPA](https://en.wikipedia.org/wiki/ARPANET).

**ICANN:** [The Internet Corporation for Assigned Names and Numbers (ICANN) is a non-profit organization established in the United States in 1998](https://www.domain.com/blog/what-is-icann/" \t "_blank). [ICANN is responsible for coordinating the maintenance and procedures of several databases related to the namespaces and numerical spaces of the Internet, ensuring the network’s stable and secure operation](https://en.wikipedia.org/wiki/ICANN" \t "_blank). [This includes the technical maintenance of IP Address pools and Domain Name Servers (DNS)](https://byjus.com/free-ias-prep/icann/" \t "_blank). [The organization is also involved in initiatives like the Domain Name System Security Extensions (DNSSEC) Roadshows project, which aims to promote the adoption and implementation of DNSSEC protocols to improve internet security](https://www.icann.org/" \t "_blank).

**IANA:** [The Internet Assigned Numbers Authority (IANA) is a standards organization that oversees global IP address allocation, autonomous system number allocation, root zone management in the Domain Name System (DNS), media types, and other Internet Protocol-related symbols and Internet numbers](https://en.wikipedia.org/wiki/Internet_Assigned_Numbers_Authority" \t "https://www.bing.com/_blank).Founded in December 1988 by the U.S. [Federal Government, IANA is currently a function of ICANN, a nonprofit private American corporation established in 1998 primarily for this purpose under a United States Department of Commerce contract](https://en.wikipedia.org/wiki/Internet_Assigned_Numbers_Authority" \t "https://www.bing.com/_blank).[IANA is broadly responsible for the allocation of globally unique names and numbers that are used in Internet protocols that are published as Request for Comments (RFC) documents1](https://en.wikipedia.org/wiki/Internet_Assigned_Numbers_Authority" \t "https://www.bing.com/_blank). [These documents describe methods, behaviors, research, or innovations applicable to the working of the Internet and Internet-connected systems](https://en.wikipedia.org/wiki/Internet_Assigned_Numbers_Authority" \t "https://www.bing.com/_blank).

**IETF:** [The Internet Engineering Task Force (IETF) is a non-profit standards organization that develops voluntary standards to maintain and improve the usability and interoperability of the Internet](https://en.wikipedia.org/wiki/Internet_Engineering_Task_Force)[1](https://en.wikipedia.org/wiki/Internet_Engineering_Task_Force" \t "https://www.bing.com/_blank). [It was founded in 1986](https://en.wikipedia.org/wiki/Internet_Engineering_Task_Force)[1](https://en.wikipedia.org/wiki/Internet_Engineering_Task_Force" \t "https://www.bing.com/_blank)[and is responsible for the technical standards that make up the Internet protocol suite (TCP/IP)](https://en.wikipedia.org/wiki/Internet_Engineering_Task_Force).[The IETF operates in a bottom-up task creation mode, largely driven by its working groups](https://en.wikipedia.org/wiki/Internet_Engineering_Task_Force). [Each working group has an appointed chairperson, a charter that describes its focus, and what it is expected to produce, and when](https://en.wikipedia.org/wiki/Internet_Engineering_Task_Force" \t "https://www.bing.com/_blank). [It is open to all who want to participate and holds discussions on an open mailing list or at IETF meetings](https://en.wikipedia.org/wiki/Internet_Engineering_Task_Force).[The IETF was initially supported by the federal government of the United States but since 1993 has operated under the auspices of the Internet Society, a non-profit organization with local chapters around the world](https://en.wikipedia.org/wiki/Internet_Engineering_Task_Force" \t "https://www.bing.com/_blank).