

Information and Communication Technology (ICT)

Common Terms in ICT

ISP	Short for "Internet Service Provider" - any company that provides internet to a user or agency.
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Propagation	The method by which a radio signal is transmitted and interacts with the physical environment.
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Frequency	The common measurement used in radio communications - measured by how close wavelengths of a radio wave are.
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LEO	Short for "Low Earth Orbit" - when a satellite orbits close to the earth's surface.
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Geostationary	An object in orbit of the earth that stays in a singular fixed location.
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NOC	Short for "Network Operation Centre" - a central hub through which internet communication passes through, usually for linking remote connections with the rest of the global internet.
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Carrier	A company that provides mobile voice communication.
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Omnidirectional	An antenna does not have to be specifically pointed, and can send/receive signals from any orientation.
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Unidirectional	An antenna that can only send and receive signals in one direction, and has to be pointed directly at the satellite.
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Radio	Any analogue communications device that uses radio waves to transmit and receive signals.
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Repeater A device that amplifies and extends the range of a radio signal.

GPS Short for "Global Positioning System" - a protocol for determining precise locations on the earth's surface using a network of satellites

Latency Delay in time between a transmitted and received signal.

VSAT Short for "Very Small Aperture Terminal" - a ground based satellite internet protocol.
