

GLOSSARY: S

This webpage found at:
<http://pa4h.cas.psu.edu/Curricula/AerospaceSupp/Activities/Glossary.htm>

S

satellite - a relatively small body (e.g. moon) orbiting a planet, or a human made object intended to orbit a celestial body

schroud (shroud) lines⁴ - lines that attach the parachute to the rocket

seaplane - an airplane that takes off or lands on water

separation standards - in air traffic control, the spacing of aircraft to achieve their safe and orderly movement in flight and while landing and taking off

sequencing - to arrange in order

servos - electric motor-driven gears that respond from the aircraft's radio receiver and move the aircraft's control surfaces

shock cord⁴ - a piece of elastic that attaches the nose to the body tube and absorbs shock when the nose is blown off the end of the rocket

signals - radio control pulses sent from the transmitter to the aircraft receiver that contain coded information to activate the servos. The pulses are proportional from transmitter input to servo mechanical output.

simulator - a model "cockpit" or control panel that allows pilots to practice operating aircraft instruments in computerized situations that are very much like the real thing

single-engine aircraft - aircraft with one engine generally located on the front

skirt⁵ - part of the envelope that does not carry the load and surrounds the area just below the throat. Generally made of a fire-resistant cloth.

sky marshal - provides security of the airport, passengers and aircraft

space - air, atmosphere, sky, universe

Space Station Freedom - manned Earth-orbiting facility planned to encompass a broad range of research disciplines, including life sciences, material science, astrophysics, earth sciences, planetary sciences and commercial applications. The U.S. has begun development of Space Station Freedom in cooperation with Japan, Canada and the European Space Agency.

spacelab - the space shuttle's flying laboratory

spatial orientation - the state of keeping one's sense of direction, position or relationship with one's surroundings

spine² - a rod that runs lengthwise down the center of a kite

stabilator¹⁷ - a single surface that combines the control of a horizontal stabilizer and an elevator. Used on fighter planes to increase maneuverability.

stability - property of a glider, aircraft or rocket to maintain its attitude or resist displacement and if displaced to develop forces to return to the original position

star - a burning ball of gases

stealth fighter - a single-seat, twin engine fighter jet aircraft

stratus - gray, low to the ground clouds. They look like a large blanket covering the sky.

swashplate - disc that provides pitch to the main rotor blade and cyclic stick. Located between the transmission and main rotor.

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