

TELSTAR

SS/L satellites have amassed 650 years of cumulative on-orbit service.

Under a contract with Loral Skynet Satellite Services, Space Systems/Loral (SS/L) has built and launched two new-generation communications satellites, Telstar 5 and 6, and is building Telstar 7 for launch in mid-1999. Launched in 1997, Telstar 5, is the highest capacity satellite in the U.S. telecommunications industry.

The three spacecraft will serve the United States, southern Canada, Mexico, and the Caribbean. Since the satellites are delivered in orbit, SS/L assumes complete responsibility for launch services and risk management.

The hybrid Telstar 5 and Telstar 6 are each outfitted with 24 C-band and 28 Ku-band transponders and generate a total of 3200 rf watts of on-board transmitter power. Telstar 7 will carry 24 C-band and 24 Ku-band transponders but use more powerful components to provide identical rf power. Lightweight composite materials and highly efficient techniques for dissipating thermal energy and for generating and storing electricity allow for a substantial increase in the spacecrafts abilities, with almost no increase in size and weight.

The three geostationary Telstar spacecraft are based on SS/L's three-axis, body-stabilized 1300 platform, whose modular design has proven its worth during 290 years of cumulative on-orbit service, close to one-half of the total of nearly 650 years amassed by SS/L satellites to date.

SS/L's 1300 buses are designed to achieve long useful orbital life -- in this case 12 years -- through use of a bipropellant propulsion system and a momentum-bias system for excellent stationkeeping and orbital stability. Solar arrays and nickel-hydrogen batteries provide uninterrupted electrical power.

Space Systems/Loral, a wholly owned subsidiary of Loral Space & Communications, is a premier provider of a full range of satellite systems and services, including the procurement of insurance and launch services and mission control operations from its Palo Alto, California, headquarters. SS/L is ISO 9001 certified.

SS/L's product mix comprises the 20.20™, the most powerful geostationary (GEO) commercial spacecraft to fly, 1300 GEO satellite platform and the 4015 low-earth-orbit (LEO) spacecraft.



SS/L's backlog consists of more than 60 satellites designed for applications such as digital telecommunications, telephony, direct-to-home broadcast, environmental monitoring, or air traffic control.

SS/L's international customer base includes businesses and government agencies involved in communications and environmental monitoring. Customers for satellites under construction or recently launched include: APSTAR, CD Radio, Chinasat, Globalstar, NASA, INTELSAT, Rocketdyne, KaSTAR, Mabuhay, MTSAT, Loral Orion, PanAmSat, Loral Skynet, and TEMPO. For more information, visit Space Systems/Loral's web site at <http://www.ssloral.com>.

Loral Space & Communications (NYSE:LOR) is a high technology company that primarily concentrates on satellite manufacturing and satellite-based services, including broadcast transponder leasing and value-added services, domestic and international corporate data networks, global wireless telephony, broadband data transmission and content services, Internet services, and international direct-to-home satellite services. For more information, visit Loral's web site at <http://www.loral.com>.

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