

## AMC-13 Telecommunication Satellite

**Alcatel Space was selected by SES AMERICOM, an SES GLOBAL Company, to build the powerful telecommunication satellite AMC-12.**

**The Alcatel Space built satellite, based on the Company's highly reliable Spacebus platform, will enable SES AMERICOM to expand its global fleet.**



SES AMERICOM has a global fleet of 18 geosynchronous satellites at its disposal. Twelve are currently dedicated to providing superior service to North American, Caribbean and Central American markets.

For most of its 30 years of operation, SES AMERICOM has provided service to the broadcast and cable markets as well as to the federal government. Both commercial and educational television broadcasters are supported with the capacity for program distribution as well as for specialized satellite news gathering services. The majority of America's radio programming has a home at 139° W.L. where over 6,000 radio antennas are pointed. AMERICOM established the first cable satellite neighborhood 18 years ago; today, every cable household receives some of its programming via the AMERICOM fleet.

Dozens of specialized satellite-based communication networks have been designed, installed, maintained and serviced by AMERICOM for governmental organizations as diverse as NASA, NOAA, and the Armed Forces, and enterprises, such as Dow Jones, Gannett and the New York Times.

The contract was awarded in April 2000 to Alcatel Space after an international competition and bears on:

- The construction of 2 satellites namely AMC-12 (formerly GE1i) and AMC-13 (formerly GE3i) with dedicated telecommunication

mission over Atlantic Ocean Region (AOR: AMC-12) and Pacific Ocean Region (POR: AMC-13)

- On ground delivery of 2 spacecrafts
- Launch support services :
  - Launch campaign
  - Transfer orbit operations
  - TTC simulator / suitcase
  - Dynamic satellite simulator
  - Post launch operations
  - Training of SES AMERICOM personnel (operation staff).

### THE AMC-13 SATELLITE

The AMC-13 satellite will use the new-generation Spacebus 4000, one of the largest and most powerful commercial satellite platforms available on the market today. Weighing in at approximately 5 metric tons at launch, the AMC-13 satellite will be built by Alcatel Space in the company's facilities of Cannes and Toulouse in France.

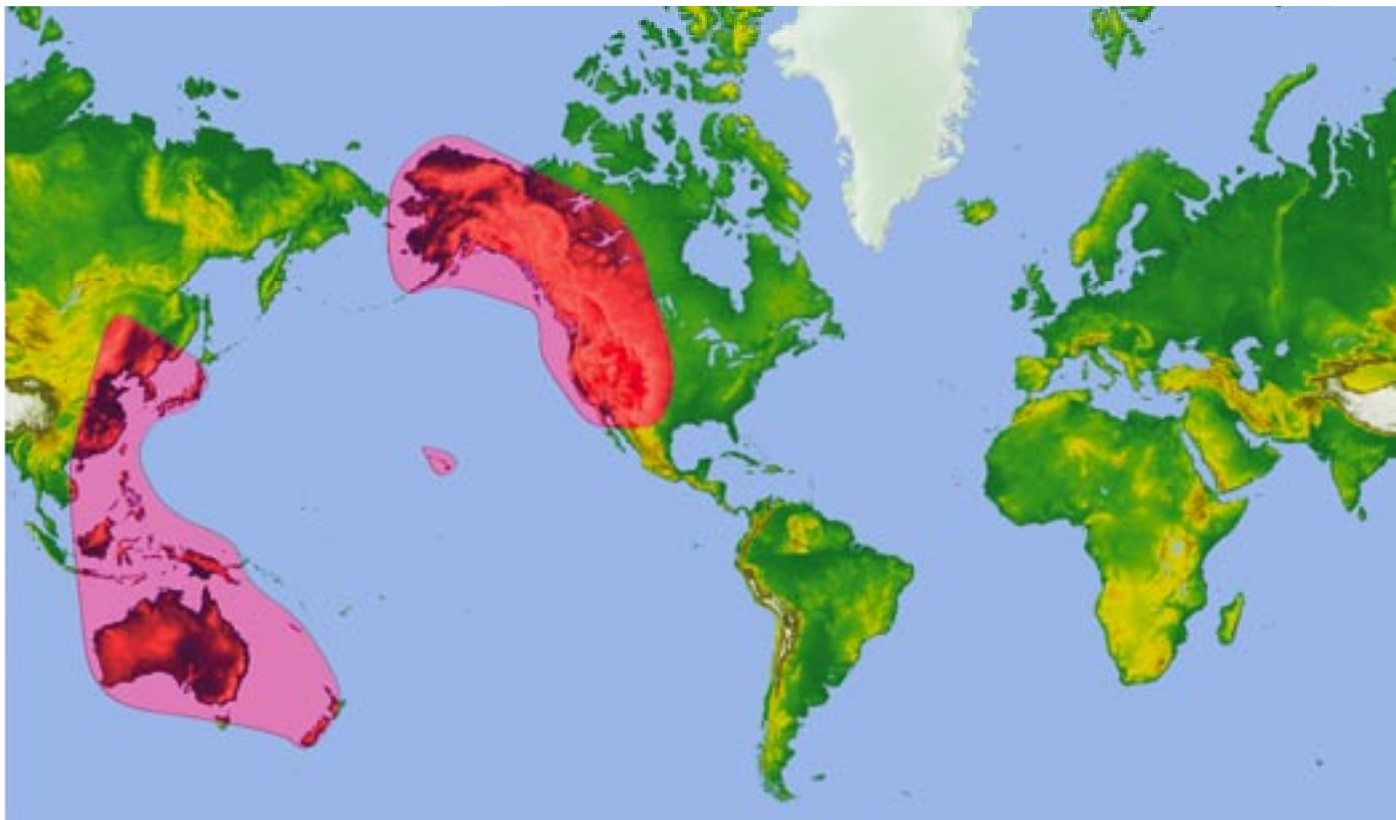
AMC-13 is scheduled to be launched in 2003. This advanced C-band satellite will serve intercontinental customers across the Pacific Ocean, linking North America, Australia and East Asia to each other, and to the world's premier regional satellite system – SES AMERICOM 's U.S. satellite fleet.

Next-generation communication and content distribution solutions will be available to broadcasters, cable programmers, Internet service providers, government agencies, educational institutions and private corporate network.



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### AMC-13 FOOTPRINT



### TECHNICAL CHARACTERISTICS

Communication capacity EOL 15 years:

- 60 channels on at saturation
- 24:30 transponders for NA (North America)
- 18:22 transponders for AP (Asia Pacific) in H polar.
- 18:22 transponders for AP in V polarization

Channel bandwidths 36 MHz

EIRP typical 40 dBW

Launch mass 4,816 Kg

Power 10,158 W

Orbital position 172°W

### BROADBAND PARTNERSHIP

Alcatel Space is now a leading supplier of satellites to SES GLOBAL, and a partner on exciting new broadband projects. An established supplier to SES ASTRA and SES AMERICOM, the group's European and American regional satellite operating companies, respectively, Alcatel Space recently announced a strategic partnership with SES GLOBAL to deploy a broadband interactive (BBI) satellite communications system based on the DVB-RCS standard. The solutions developed within the scope of this project will help meet the burgeoning needs of today's markets.



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