

GE International



Alcatel Space was selected by the prestigious American operator GE American Communications, to build four powerful telecommunication satellites. The Alcatel Space-built satellites, based on the Company's highly reliable Spacebus platform, will enable GE Americom to expand its global fleet.



■ GE American Communications, Inc. (Americom) is recognized as a pioneer and leading provider of global satellite communications solutions with over 25 years experience. Americom is able to provide end-to-end telecommunications solutions to any region in the world through a fleet of 17 satellites. Americom operates its communications satellites with 687 transponders over North America. GE Americom currently reaches approximately 90% of the world's population through its satellites and serves an array of high-quality customers. Americom's key customers include ABC Radio Networks, AT&T Alascom, British Telecom, Deutsche Welle, Discovery, Disney, Gannett, ICG, Merlin, NBC, The New York Times, NHK, PaxNet, PBS, TELE Greenland, TV Europa, Viacom and AOL/Time Warner.

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

- The construction of 4 satellites named GE1i, GE2i, GE3i, GE4i with dedicated telecommunication mission over Atlantic Ocean Region (AOR: 1i/3i) and Pacific Ocean Region (POR: 2i/4i)
- On ground delivery of 4 spacecraft
- Launch support services :
 - Launch campaign
 - Transfer orbit operations
 - TTC simulator / suitcase
 - Dynamic satellite simulator
 - Post launch operations
 - Training of GE-Americom personnel (operation staff)

■ All four satellites 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 satellites for GE Americom will be built by Alcatel Space in the company's facilities of Cannes and Toulouse in France.

The missions of the satellites are:

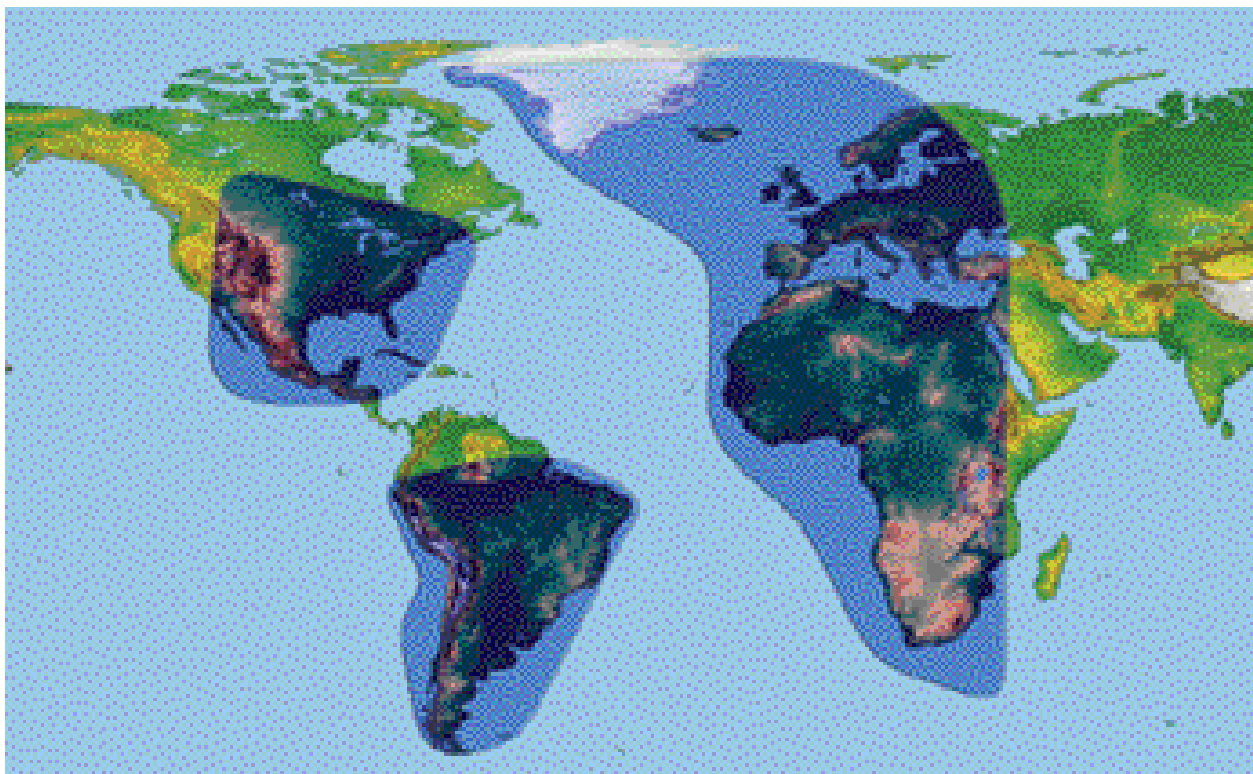
AOR	Atlantic Ocean Region
GE1i	47°W, 72 C active channels North America South America/Europe-Africa
GE3i	37.5°W, 72 C active channels North America South America/Europe-Africa

POR	Pacific Ocean Region
GE2i	172°E, 60 C active Channels North America / Asia-Pacific
GE4i	174.3°W, 60 C active Channels North América / Asia-Pacific

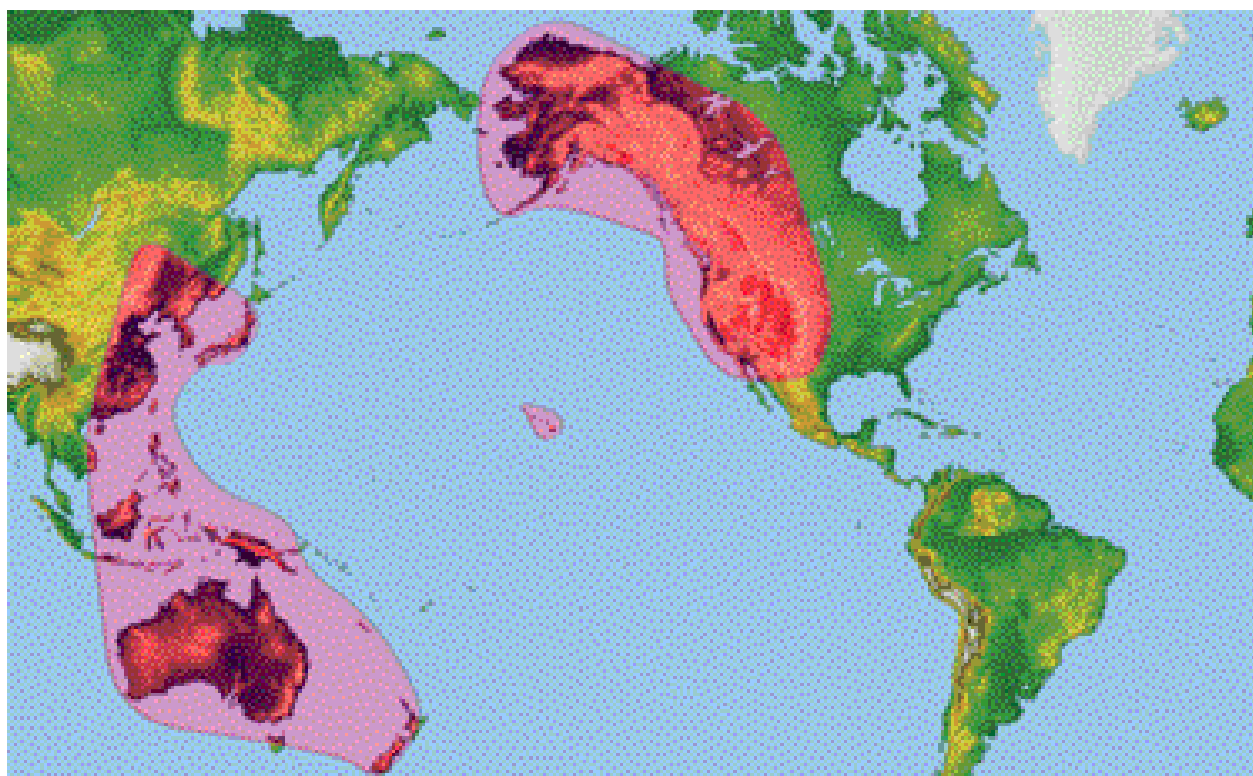


Mission Coverage zones

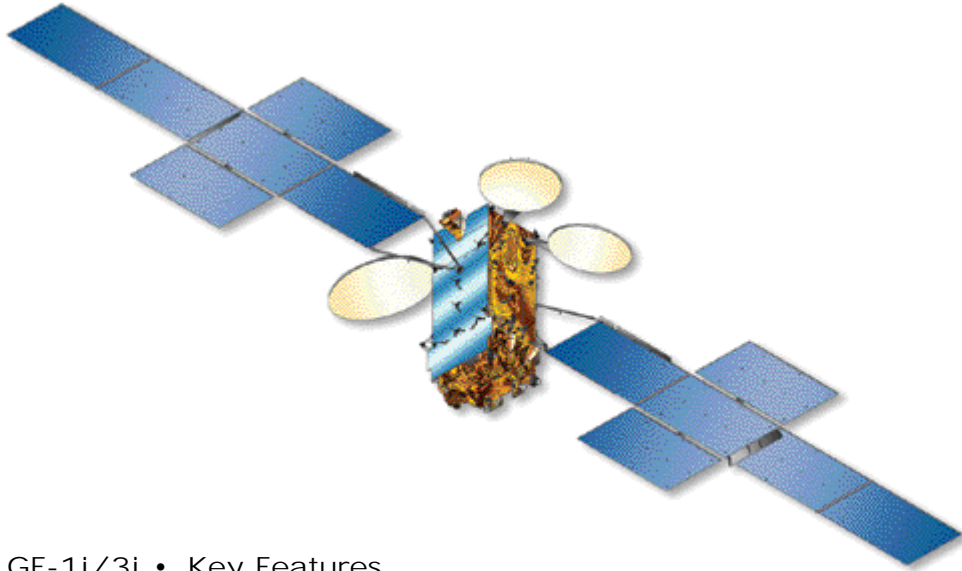
Coverage 1i/3i (AOR) EIRP (Equivalent Isotropic Radiated Power)



Coverage GE 2i/4i (POR)



Technical Characteristics



GE-1i/3i • Key Features

Communication capacity EOL 15 years	72 channels on at saturation 24:30 transponders for EA (Europe Africa) 24:30 transponders for NA (North America) 24:30 transponders for SA (South America)
Channel bandwidths	36 MHz
EIRP	typical 40 dBW
Launch mass with maximum dry mass PROTON M Breeze-M , ATLAS 521 and ARIANE 5 ECA	5293 kg
Lifetime maximum capability with maximum dry mass PROTON M Breeze-M ATLAS 521, ARIANE 5 ECA	> 20 years
Orbital location	GE-1i : 47°W GE-3i : 37.5°W

GE-2i/4i • Key Features

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 polarization 18:22 transponders for AP in V polarization
Channel bandwidths	36 MHz
EIRP	typical 40 dBW
Launch mass with maximum dry mass PROTON M Breeze-M, ATLAS 521, ARIANE 5 ARIANE 4	5114 kg 4723 kg
Lifetime maximum capability with maximum dry mass PROTON M Breeze-M ATLAS 521, ARIANE 5, ARIANE 4	> 20 years
Orbital location	GE-2i : 172°E GE-4i : 174.3°W



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