About SES

▲ Leading global satellite operator, with 52 geostationary satellites in orbit
  • Publicly listed on Luxembourg and Euronext Paris stock exchanges
  • Second only to Intelsat in terms of number of satellites.

▲ Headquartered in Luxembourg, with large U.S. presence
  • About 40% of workforce in the United States
  • 17 FCC-licensed satellites, 8 foreign-licensed satellites over the U.S.
  • Offices and 5 major teleport sites in the U.S.

▲ History
  • Started in 1985 as a tiny Luxembourg satellite company, SES ASTRA, and has grown to become a leading provider of wholesale direct-to-home satellite television capacity in Europe.
  • Acquired GE Americom in 2001, a pioneer in the U.S. commercial space industry (began as RCA in 1975).
  • Acquired New Skies Satellites in 2006, a commercial entity spun-off from INTELSAT as part of its privatization.
  • Has also acquired or developed satellite operators in Sweden, Mexico and Canada.
  • Major strategic investor in O3b Networks – a new UK-based non-geostationary satellite company.
Conventional C-band Usage Examples

The 3700-4200 MHz band is used extensively in the U.S. and abroad.

▲ Video Distribution
  • In the US, there are 7000 cable head ends receiving C-band video feeds. Every US cable consumer watching the Superbowl received it through C-band satellite distribution networks.

▲ U.S. Government Networks
  • U.S. State Department’s Diplomatic Telecommunications Service uses 500 MHz of C-band satellite capacity to connect embassies and outposts in over 100 countries.

▲ Extending Terrestrial Networks
  • C-band is used to extend voice networks and Internet backbone connectivity to remote Alaskan villages.
  • C-band is used at thousands of mobile cell towers to backhaul traffic in Africa and Asia.

▲ Disaster and Humanitarian Relief
  • U.S. government, International Organizations and NGOs use C-band capacity to restore communications following natural disasters (e.g. Katrina, Haiti, Japan).
Extended C-band Usage Examples

The 3400-3700 MHz band is used extensively outside the U.S.

▲ Video Distribution
• In Brazil, 20 million homes receive free-to-air television on frequencies in C-band frequencies as low as 3625 MHz.

▲ Extending Terrestrial Networks
• Extended C-band is also used in Asia for mobile cellular backhaul.
• Mexico is building an extended C-band-only satellite, e.g. Mexsat Bicentenario.

▲ U.S. Government
• The Armed Forces Radio and Television Service (AFRTS) is distributed to U.S. troops around the world in part using the extended C-band.
Thank you!