

Why Use Satellite for Communication?

1. Active satellites are usually wide band in nature. Each transponder is capable of accommodating several channels.
2. The cost of sending messages to long distances is equal to that via radio-links for small distances. Thus, satellites are economical for long distance communication, cutting down the maintenance cost drastically.
3. Satellite transmission is not restricted by geographical conditions. They are particularly useful where cable networks have not yet been established or where terrains and oceans make places inaccessible.

6. Future Trends of Satellite Communications.... Cont..-2

4. Communication between two points is possible in a satellite as long as the two earth stations fall within a given view angle of satellite antenna.
5. Unlike in case of terrestrial network we can use carrier to send a number of message signals, cutting the cost of equipment.
6. Satellites serve small and large towns alike with identical standard of service and hence help in the development of country as a whole. The communication is distance insensitive and even costs less.
7. In addition, the communication satellites can be used for other services also like education, data collection, meteorology, search and rescue work.