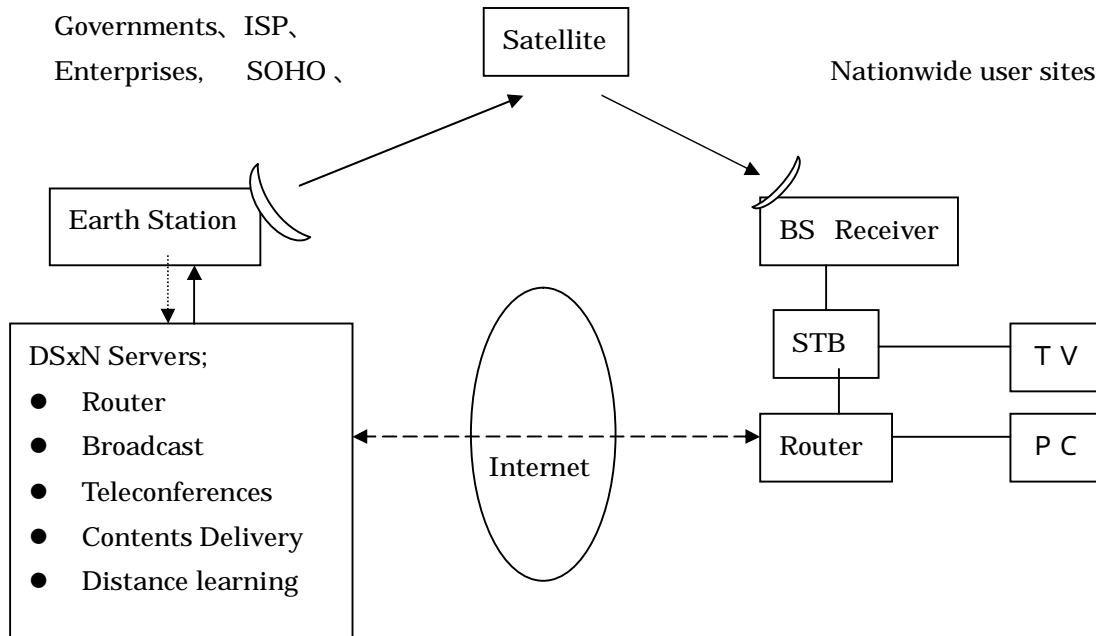


# Direct Satellite Inter-Net and its Applications

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## 1 . System Configuration



System Configuration of Direct Satellite Inter-Net

## 2. Features

- ( 1 ) Existing Direct Satellite Broadcasting ( DSB ) receivers can be re-used.
- ( 2 ) The return links (terrestrial or satellite) can readily realize an evolution of DSB network to Broadband Internet anywhere in the coverage areas of DSB.
- ( 3 ) The Direct-satellite-inter-Network (DSxN) servers set at the Earth Station and made accessible from the Internet can provide users with such new applications;
  - Broadband access to the Internet for users in remote areas,
  - Nationwide Internet broadcasting or multicasting
  - Teleconferences; nationwide and quite many participants,
  - Contents Delivery Network; a large quantity of contents to a great many users,
  - Distance learning to a great many people distributed nationwide,and many other Group communications
- ( 4 ) Multiple Earth Stations can share the same DVB channel with Synchronous TDMA DVB network. This gives the service providers the flexibility in selecting the channel capacity required for the provided DSB or IP applications.