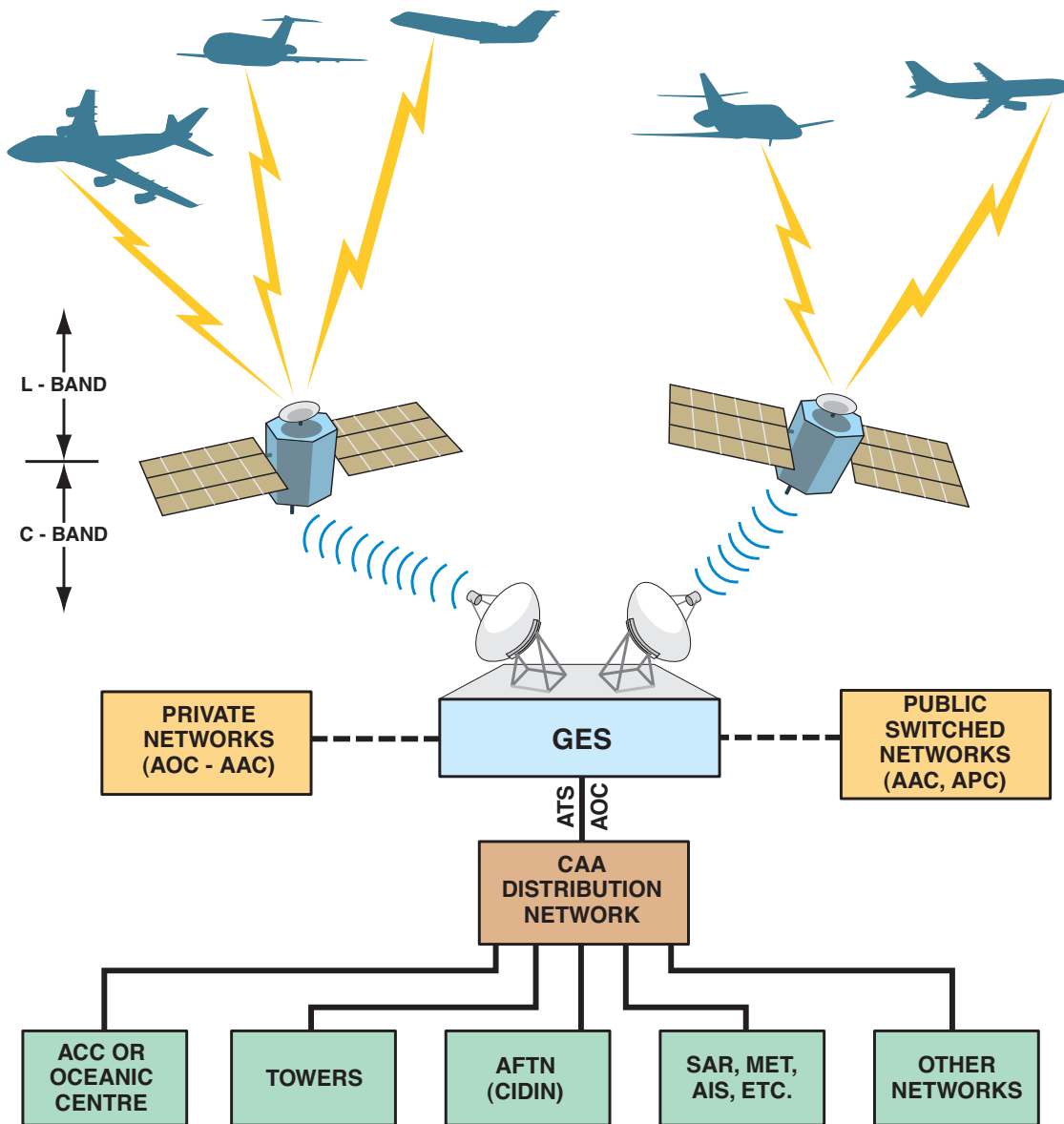


SATELLITE AIRCOM (SITA)

Messages to and from the satellites are relayed to airline offices over the existing Sita network. US carriers favouring the Arinc network use another similar group of ground earth stations for the same function. It is the intention that both networks shall be mutually supportive. The flight crew may well be unaware of the service provider, since they merely log-on to the visible satellite at the start of a sector; and any subsequent receipt and dispatch of information is normally done automatically. The aircraft-to-satellite link is accomplished on L-Band channels between 1530 MHz to 1660.5 MHz. The satellite-earth link is also able to use C-Band frequencies of 4000 MHz upward via large steerable terrestrial dishes.



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|-----|---|-------|--|
| GES | Ground Earth Station | AFTN | Aeronautical Fixed Telecommunication Network |
| AOC | Aeronautical Operation Control | CIDIN | Common ICAO Data Interchange Network |
| AAC | Aeronautical Administrative Communication | SAR | Search and Rescue |
| APC | Aeronautical Passenger Communication | MET | Meteorology |
| CAA | Civil Aviation Administration | AIS | Aeronautical Information Services |
| ACC | Area Control Centre | | |