PULSAR-N

GROUND-BASED VDL MODE 4 STATION

PULSAR-N Ground-Based VDL Mode 4 Station is designed to arrange automatic dependent surveillance-broadcast (ADS-B) over aircrafts and other mobile objects based on VDL mode 4 in accordance with ICAO standard (DOC 9816 AN/448).

FUNCTIONALITIES

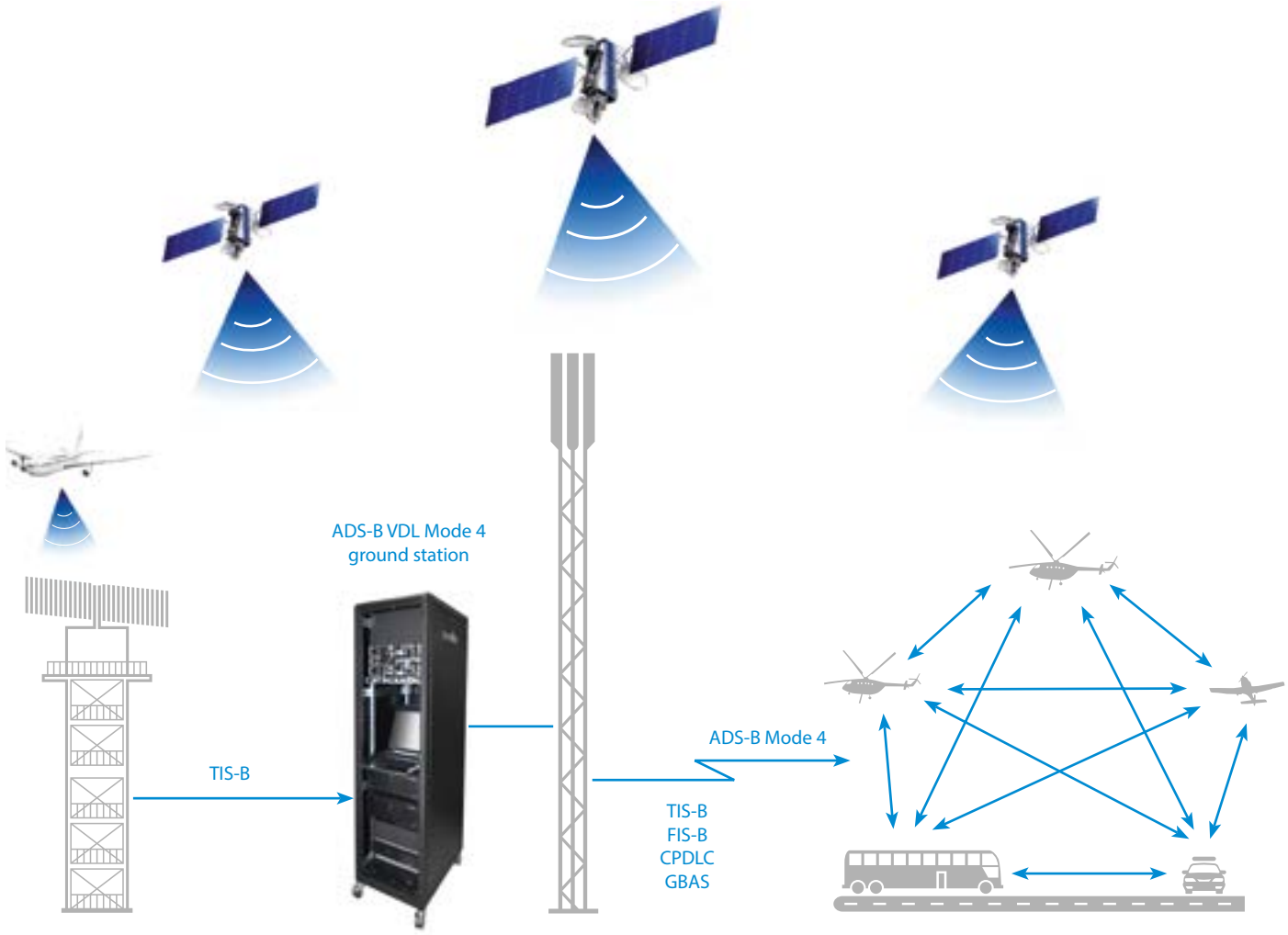
The station provides:

- reception of data on position of objects fitted out with ADS-B mode 4 equipment
- generation and issuing data in ASTERIX format to consumers
- transmission of weather data and other flight information (FIS-B function)
- capability to transmit surveillance data on objects unequipped with ADS-B tools (TIS-B function)
- receipt and rebroadcast of differential corrections with data about integrity from ground-based augmentation system (GBAS) through GNSS satellites
- capability to arrange pilot-controller communication via data link (CPDLC function)
- data exchange with other ground-based stations via communication lines
- monitoring of data integrity of surveillance navigation GPS/GLONASS satellites (optional)

PRODUCT VERSIONS

- PULSAR-N Ground-Based VDL Mode 4 Station
- PULSAR-K Shipboard VDL Mode 4 Station

The use of ADS-B network VDL Mode 4 equipment provides for situational awareness in the environment.


ADS-B VDL Mode 4
ground station
TIS-B
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TIS-B
FIS-B
CPDLC
GBAS