

# Third Laureate Research & Development

◆ **Project title:** Tactical Air Navigation

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## **Abstract:**

Airborne TACAN transceiver is used to provide the position of aircraft, in polar coordinates (Bearing and Distance) with respect to a TACAN ground beacon and to measure distance, either to a DME beacon or to another airborne TACAN unit (A/A mode). In addition, this system determines identity code of TACAN ground station for Pilot. En-route navigation, homing, blind approaches, air refueling and updating of INS data are the main application of airborne TACAN.

TCN1284 airborne TACAN is based upon the state-of the art design technologies and meets MIL-STD-291B standard. Modular structure, ARINC600 mounting, digital and analog interfaces, built-in test capability, digital control box and distance/ velocity/ time (D.V.T) indicators are part of its features. TCN1284 is qualified for all type of air vehicles.