

Leigh Instruments Limited

260 Hearst Way

Kanata, Ontario

Canada K2L 3H1

Tel: (613) 591-3220

Fax: (613) 591-0945

Telex: 053-3554

Ramzi Hashem, Marketing Manager, Navigation Systems

Tactical air navigation system

■ Leigh Instruments' solid-state tactical air navigation (TACAN) beacon system provides navigation guidance to suitably equipped aircraft by providing azimuth and distance information. The company offers single or dual modular beacons or turnkey systems in fixed, mobile, shipboard and VORTAC configurations. Leigh's 3 and 5 kW TACAN will respond to up to 100 aircraft interrogations at one time with a plus or minus one degree accuracy. The range is up to 463 km (250 nautical miles). The system complies with MIL-STD 291-B and ICAO Annex 10. Leigh is supplying the Canadian air force with 60, dual, land-based TACANs to create a national network of fixed navigational aids across Canada. Leigh has also received orders from the Royal Norwegian Air Force and for the Canadian Patrol Frigate project. The company is developing a TACAN-related derivative known as Distance Measuring Equipment (DME) which informs an aircraft of its distance from a fixed base.

Company Profile

Established in 1962, Leigh is a well-established supplier of high-technology electronic products and systems for aerospace and defence markets. The company employs more than 750 people at several facilities located in Ontario, Canada. A subsidiary in the United Kingdom is responsible for European sales and service. Leigh's main manufacturing plant at Carleton Place, Ontario, has 11 330 m² (122 000 sq. ft.) of space and includes a large anechoic test chamber.



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