

RADAR ALTIMETER

TEST PROGRAM SET (TPS)

I-LEVEL CASS TPS FOR THE RT-1015A/APN-194(v) RADAR ALTIMETER (RADALT)

Arcfield has developed a Consolidated Automated Support System (CASS) I-Level TPS to support the RADALT and replace the more than 30 year-old benchtop tester. Arcfield has developed a test requirement specification to completely replicate the existing I-Level test scheme, alignments, and diagnostics to shop replaceable unit (SRU) level on the CASS family of testers. This fully supportable I-Level TPS supports this mission critical line replaceable unit and mitigates the inherent obsolescence associated with the benchtop tester.

CAPABILITY HIGHLIGHTS:

- Eliminates obsolescence concerns, reliability issues, and maintenance costs by replacing the benchtop tester
- Reduces end-to-end test time by at least 50% when compared to the benchtop tester
- Testing includes a complete interface device self-test and calibration
- Any CASS trained operator can now repair the RADALT with no additional training
- Currently used by the Royal Canadian Air Force

FEATURES:

- Only automatic test equipment based RADALT capability available to U.S. Navy I-Level maintenance organizations
- Replicates the existing I-Level test scheme, alignments and diagnostics to SRU level on the CASS family of testers
- Consists of an Interface Device with built-in self-test capability and cable set that includes 10 cable types – 4 analog and 6 radio frequency (RF)
- Eliminates operator interpretation of test data through automated verification of unit under test (UUT) responses
- Reduces operator interventions by using automated RF and analog switch connections
- Reduces training and maintenance costs associated with operating a stand-alone system; any CASS trained operator can test the RADALT

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ABOUT ARCFIELD

Arcfield Canada Corp. supports innovative next-generation cooperative military advancement to the defence and aerospace industry. As a trusted partner to Canada's defence community, Arcfield supplies world-class mission sustainment solutions through its In-Service Support and Integrated Logistics Support capabilities. For more than 35 years, Arcfield has been a dedicated partner to the Canadian Armed Forces and is Canada's only prime contractor for the sustainment of avionics systems, electronic warfare, and automated test equipment on a fighter platform. Headquartered in Chantilly, VA the company employs 1,200 people across the U.S. and Canada.

6732 8TH STREET NE CALGARY, AB,
CANADA T2E 8M4

360 ALBERT STREET, SUITE
620, OTTAWA ON K1R 7X7

CANADA@ARCFIELD.COM
ARCFIELD.CA

