

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 Calgary, AB the company employs 1,600 people across the U.S. and Canada.

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