

Monthly Progress Report
SPIRE Test Facility and Scientific Support

Contract Number: 9F007-020251/001/SR
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Date: 2 December 2002
Period: November 2002

Part 1

1. Is the project on schedule? **Yes.**
2. Is the project within budget? **Yes.**
3. Is the project free of any areas of concern in which the assistance or guidance of Canada may be required? **Yes.**

Part 2

Task 3.1: Provide SPIRE Test Facility FTS

- The linear stage from Aerotech has arrived at the University of Lethbridge. First checks have been promising. In-depth tests will be performed to verify its performance.
- All optical and mechanical components necessary to build the Test Facility have been identified and quotes have been solicited by Joe Taylor (UoS) and David Naylor (UoL).
- The optical beam splitter mounts have been manufactured at the UoL according to requirements from stainless steel.
- The time synchronization issue between the EGSE and the Test Facility FTS has been discussed with Dave Smith (RAL). A possible solution (drive a counter to listen to the 315 kHz signal from the DPU slow interface) has been put forward and is currently under review.
- The draft ICD for the Test Facility FTS Data has been prepared by Ian Schofield (UoL). Currently available is version 0.4.
- A basic Win32 server application has been developed for the control software of the test FTS by Ian Schofield (UoL).
- Insurance issues concerning materials bought from CSA money have been clarified by a risk manager at the UoL. Equipment to be shipped abroad is insured under general university insurance up to a value of \$100'000 CAD.
- Joe Taylor (UoS) has visited the research group at the University of Lethbridge for four days to finalize specifications for the Test Facility FTS, prepare the quarterly progress report, and pass on his experience to the research group at the University of Lethbridge.
- The quarterly progress report for the time period September through November 2002 has been submitted to Brenda Whitten (PWGSC) and Victor Zilinskas (CSA).

Task 3.2: Provide SPIRE Data Analysis Software

- The job ad for the software engineer position has been posted to various physics websites. Applications are under review.

Task 3.3: Canadian SPIRE Team Support

- Nothing to report.

Task 3.4: SPIRE ITT and ICC Support

- The job ad for the ICC position has been posted on various physics related job boards after it has been discussed with Ken King (RAL).
- The job ad for the ITT position has been drafted and sent for comments to Bruce Swinyard (RAL).