SPIRE-MSS-MOM-000842

MEETING WITH LIGHT ALLOY LIMITED, IPSWICH ON TUESDAY 28 AUGUST 2001-08-29

PRESENT

Light Alloy Limited – Robin Johnson, Special Projects Engineer

MSSL - John Coker
Chris Brockley-Blatt

INTRODUCTION

The meeting was held to discuss the concept design for the transport container for the Spire instrument. Light Alloy Limted have had previous experience of building containers for similar applications. These have included STRV, MHS and GOSMOS (for RAL, Matra Marconi Space and BAe).

DISCUSSION

The discussion centred on the design features that Light Alloy could provide. These included

- Interface base plate
- Anti-static shielding, held on a spider frame
- Wiring looms
- Lifting slings, used for both the lid and the base
- Filtration and desiccation
- Humidity sensors
- Shock recorders (mainly mechanical type)
- Pressure relief valves, set at 1 to 1 ½ PSI
- Removable guide rails
- Storage for documentation and slings in the base
- Duramex sealant on panels
- Cross bracing within the lid

ACTIONS

- MSSL to confirm size and thickness of the base plate and the weight and total height of the instrument.

  ACTION CBB
- MSSL to confirm ESA mass and size limits for the container as well as any specified shock loads.

  ACTION CBB
- On receipt of data, Light Alloy to prepare a quotation based upon one and 2 unit batches.

  ACTION Light Alloy