

PROJECT: SPIRE	MINUTES OF MEETING	Doc. No: SPIRE-RAL-MOM-001153 Date: 13-Feb-2002 No. of Sheets: 5
Subject: Progress Meeting With AS Scientific		
Meeting Place: AS Scientific - Abingdon Date/Time: 13-Feb-2002 Agenda Dated: 13-Feb-2002	Chairman: D.L. Smith Secretary: D.L. Smith Close of Meeting:	
PARTICIPANTS		ADDITIONAL DISTRIBUTION
D.L.Smith (RAL) M.Harman (RAL) Colin Hilier (AS Scientific) Eric Sawyer (RAL - SPIRE) - Part Time		Beth Evans (AS Scientific) Ken King (RAL - SPIRE)
Agenda: 1. Drawing Approval - BS5500 2. Schedule Management 3. Heater wires 4. Adjustment of shields 5. N2 Probes 6. AOB		
Attachments:		

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Action / Comment Number	Short Title	Action (A), Recommendation (R), Decision (D), Observation (O)	Action / Ref. with:	Action Deadline
A-01	Drawing Approval - BS5500	<p>Outstanding issue on approving 3 of the drawings for 77K, 10K and 4K vessels.</p> <p>Colin explained that there is a difficulty in applying BS5500 for cryostats with thin walled vessels.</p> <p>However, weld procedures for ASSP cryostats are approved, and welders are approved.</p> <p>Colin to make a written statement explaining the welding and approval processes that are in place at ASSP.</p> <p>Mark has already suggested this to Beth Evans as a way forward.</p> <p>Currently affecting parts procurement.</p>	CH	22-Feb-2002
A-02		<p>Communicate problem with RAL safety office.</p> <p>Inner vessels will be proof tested to 1.5 bar</p>	MH	15-Feb-2002
A-03		<p>Drawings to be modified and re-issued incorporate the references to the ASSP procedures. A copy of the procedures will be sent to RAL.</p>	CH	22-Feb-2002

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A-04	Schedule Management	<p>Current estimate is that cryostat will arrive in August 2002.</p> <p>MSSL are planning on delivering the structure in August.</p> <p>Current plan needs 3 months between delivery of cryostat and start of STM tests to allow cryostat integration and testing. Latest delivery date is mid July.</p> <p>Stainless metalcraft have only just started preparing materials with an expected delivery date week starting 3rd March. Work was supposed to be completed in January according to contract milestone dates.</p> <p>ASSP are responsible for tracking Stainless Metalcraft's schedule.</p> <p>Colin Hillier to visit Stainless Metalcraft.</p> <p>MH or DS to go to Stainless Metalcraft the following week pending outcome of CH meeting.</p> <p>Top spinning is on order</p> <p>Copper tubing is in factory</p> <p>Materials can be ordered</p>	CH	22-Feb-2002

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A-05	Wiring	<p>Schedule to be updated and milestone dates to be updated</p> <p>Mark Harman will continue fortnightly meetings with ASSP and weekly phone call.</p> <p>Need to identify some additional milestones:</p> <ul style="list-style-type: none"> Helium vessels (1.7K, 4K and flexibles) Liquid Nitrogen vessel Radiation shield Support feet assembly Assembly of components on vessel Leak testing and pressure testing Wiring prep for final testing Cryotest <p>It may be possible to supply RAL vacuum system to ASSP for testing.</p> <p>A spare loom will be provided for redundancy for existing thermometers.</p> <p>Additional heaters will need to be wired via cold blackbody port.</p>	CH/BE	22-Feb-2002

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	Adjustment for 9K and 77K shield N2 Probes	<p>Allowance can be made for vertical motion, but now allowance can be made for vertical movement.</p> <p>Predicted movement will be 3mm - a best estimate adjustment will be sufficient.</p> <p>Difficulty in getting standard capacitance probes into current cryostat design. Possibility of using series of PT100 probes as an alternative to give indication of level.</p> <p>Capacitance probes are prone to spurious readings.</p> <p>Agree to use resistance probes instead. Colin to investigate using photodiodes as an alternative.</p>		