

PROJ1.1 Statement of Compliance

Bidders are to provide a statement of compliance supported with supporting evidence to confirm how each requirement in Section 4 of the 'UK SBS PR19062 ISO SOW R100 STC 00014' document will be met.

Please ensure you complete the PROJ1.1 Statement of Compliance template for your response. Attachments are permitted and must be in PDF format.

A separate attachment is not required for each technical point, responses can be combined but must clearly reference the requirement number in which the response relates to.

Failure to provide a response to all of the criteria will result in your bid being non-compliant. Please ensure you use the Statement of Compliance Template for your response and ensure any attachments are referenced.

Failure to use the template will result in your bid being non-compliant.

For the avoidance of doubt, if a bidder scores 0 against criteria R-7, it will be deemed non-compliant to the Statement of Work and bidder guidance to AW6.1 would apply to such a response. This is due to R-7 being a requirement of UKRI STFC Health and Safety rules.

If the final score for PROJ1.1 is 49 or less, it will be deemed non-compliant to the Statement of Work and bidder guidance to AW6.1 would apply to such a response.

<u>Criteria</u>	
R-1. The helium-gas leak rate for the SIVL and SIVL/PS interface pipework assembly shall be < 1e-9 mbar.l / s. The leak rate is to be validated after installation for both the vacuum jacket and the fluid pipe.	
Attachment reference	Compliant Yes / No
R-2. For a 28x1mm fluid pipe containing liquid nitrogen (LN2) at <90K, the thermal heat leak rate shall be less than 0.3W per metre of length, less than 2.3W for a bayonet joint, and less than 2.8W for a welded coupling.	
Attachment reference	Compliant Yes / No
R-3. The outside diameter of the SIVL should be 75 ± 5 mm to interface with existing LN2 valve boxes.	
Attachment reference	Compliant Yes / No

R-4. Each SIVL/PS interface pipework assembly shall include a pressure release valve (PRV) on the LN2 pipe, a pump-out port incorporating over-pressure release on the vacuum jacket, and a pneumatic valve to allow/stop LN2 flow.	
Attachment reference	Compliant Yes / No
R-5. PRVs shall have a suitable operating pressure which is above the operating pressure of the PRV on the phase separator, and with adequate flow rate.	
Attachment reference	Compliant Yes / No
R-6. PRVs shall be installed at an appropriate angle so that all vented flows are directed safely away from areas where an operator might be situated.	
Attachment reference	Compliant Yes / No
R-7. Each SIVL/PS interface pipework assembly shall have a burst disc in case the PRV fails to open.	
Attachment reference	Compliant Yes / No
R-8. The SIVL and interface pipework shall be designed, manufactured, and tested to withstand pressures up to 1.5 x PRV.	
Attachment reference	Compliant Yes / No
R-9. Pneumatic valves shall be DN20.	
Attachment reference	Compliant Yes / No

R-10. Pneumatic valves shall operate with compressed air at a supply pressure of 70-90 psig.	
Attachment reference	Compliant Yes / No
R-11. The SIVL/PS interface pipework and SIVL shall be designed and manufactured to withstand a useful working lifetime of 20 years.	
Attachment reference	Compliant Yes / No
R-12. Pump out ports shall be easily accessible for regular maintenance and with minimum maintenance specialist equipment.	
Attachment reference	Compliant Yes / No
R-13. A suitable pump cart shall be supplied to be used for future maintenance of the vacuum jacket of the SIVL.	
Attachment reference	Compliant Yes / No
R-14. The weight of the SIVL shall be supported by appropriate bracketry supplied by the Contractor and not impart any load onto the valves when connected.	
Attachment reference	Compliant Yes / No