Omterra - Subsea

ElecTRON

Operation TC6A-945 interface blanking plug

Document Name: **OPERATION OF TC6A-945 INTERFACE BLANKING PLUG**

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Revision	Author	Checker	Approver	Issue Date
A	**D. M^{C}DOUGLE**	**C. HARRISON**	**S. KELLY**	**16/07/2024**
	INITIAL ISSUE			
B	**D. M^{C}DOUGLE**	**N/A**	**J. Pridmore**	**14/01/2025**
	Correction to information in document header. Reference to MAWP reworded in Section 1.			
C	**D. M^{C}DOUGLE**	**N/A**	**J. Pridmore**	**18/05/2026**
	Added details regarding post-install testing and reference to test adaptors. Updated reference to PDS and purpose paragraph.			

REVISION CONTROL: History of Revision Control is Managed by the Document Management System.

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1 PURPOSE & SCOPE

The purpose of this procedure is to detail the process for the use of the dry mate receptacle interface blanking plug TC6A-945.

This interface blanking plug is designed to replace the TC6A-512 & TC6A-716 Tubing Hanger Dry Mate Receptacle connectors when the feedthrough channel does not require populating with a "live" connector. The maximum allowable working pressure (MAWP) of this interface blank is 22,500 psi, which must not be exceeded.

The interface blank can be used repeatedly, as long as the checks in Section 0 are satisfied.

2 ASSOCIATED DOCUMENTS AND DRAWINGS

Number	*Name*	*Location*
10204852	ElecTRON Installation, Operations and Maintenance Manual	omterra.com/subsea
E1A4318573	Operation of TC6A-1380 Test Adaptor	Teamcenter
E1A4405430	Operation of TC6A-1190 Test Adaptor	Teamcenter
E1A4618412	TC6A-945 PDS	Teamcenter
T23575	TC6A-945 Drawing and Associated BOM	Teamcenter

3 EQUIPMENT

The following equipment will be required to complete this installation:

- Loctite 2400 (optional if blank to be long term deployed).
- Goop anti-gall compound.
- Installation Tool GB9:HI-SK4048-00.
- 1" Socket and appropriate Torque Wrench rated for 100 lbf·ft.

4 GENERAL SAFETY INFORMATION AND RISKS

- For full Safety and Hazard information, please consult the ElecTRON IOM or Safety Data Sheet for the test media in use.

	**Warning.** Risk of minor personal injury to persons with sensitivities to mineral based oils. Wear appropriate hand protection when handling products or mineral or synthetic based oils.
	**Warning.** Risk of minor personal injury and/or material or environmental damage during assembly. Caution shall be exercised during assembly to ensure that fittings and hydraulic/pneumatic equipment are correctly installed.
	**Warning.** Risk of bodily injury caused by pressure retaining parts becoming projectile due to user over-pressurising the system.
	**Warning.** Hydraulic injection risk. Only to be used to MAWP with oil and suitable pump in lines with Pressure Equipment (Safety) Regulations (2016) or relevant local alternative when used abroad.

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5 PREPARATION

- Visually inspect the blanking plug assembly, ensure there is no damage to the sealing cone, elastomeric seal, threads, or body of the blanking plug. If there is any doubt over the integrity of the blanking plug or any of its components, stop work immediately and contact the Omterra Technical Department.

6 PROCESS

1. Refer to the relevant assembly/installation procedure and connector/scope drawing for installation location, and optional test pressure to be used.
2. OPTIONAL IF USED FOR LONG TERM DEPLOYMENT. Apply a small amount of Loctite 2400 thread lock to the threads of the retaining ring.
3. Apply a smear of Goop to the conical sealing face and fit the blanking plug into its interface using tool GB9:HI-SK4048-00. Torque to 100 lbf·ft (136 Nm).
4. If installation verification testing is required by the client, pressure test adaptors TC6A-1190 or TC6A-1380 may be used for hydrostatic testing. Refer to Operating Instructions as appropriate, listed in associated documents table, observing the MAWP of the test equipment used.

END OF PROCEDURE

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