

	Doc or ECO #:	ECO-51010-51011-50245-002	Date:	9/11/2019	Author:	GD
	Rev. #:	A				
Engineering Change Order (ECO)	Engineering Approval:	Aeg	Date:	11/19/2019	Quality Approval	aeg

P/N #:	ECO-51010-51011-50245	Effective Date:	November 18, 2019
Title:	Replacing obsolete M100 modem		

1.0 Purpose / Summary

The M100 Ethernet Modem Board (De-cased) (VR PN: 50153) is obsolete and a new modem assembly, RAK Modem G100 MSS Subsea Assembly (72247), has been introduced to replace the outgoing M100 modem used inside Pro4 ICB Panel Assemblies (51010 & 51011) and M100 ICB Kit (50245).

2.0 Parts Affected

Part Number	Notes	Removed	Added	Modified	REV
51010	Pro4 ICB, BlueView with M100 Modem Ready	☐	☐	☒	B
51011	Pro4 ICB, BlueView with M100 Modem Ready, Integrated Lynn Hawk	☐	☐	☒	B
50245	M100 ICB Kit	☐	☐	☒	D
50153	M100 Ethernet Modem Board (De-cased)	☒	☐	☐	A
72247	RAK Modem G100 MSS Subsea Assembly	☐	☒	☐	A

3.0 Detail

The M100 modem is used on Pro4 ICB Panel Assemblies to convert 4 wire Ethernet to 2 wire Ethernet and vice versa for Ethernet communication between the ROV and the top side ICB panel. The M100 has become obsolete and a new modem assembly based on LX200V30 (RAK) Modem has been designed to replace the M100 modem. This ECO deals with all changes involved is the replacement of M100 modem with new RAK modem assembly.

4.0 Disposition of Material

The remaining (If any) stock of M100 should be used in production.

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5.0 Action Items

Action	Department	Acknowledgement Initials
UPDATE PPI with new changes	ENGR	Click here to enter text.

6.0 Modified / Referenced Documents:

Document	Current Revision
Click here to enter text.	Click here to enter text.

7.0 Revision History

Date Revised (mm-dd-yyyy)	Location of Change (section, paragraph no., step no., etc.)	Description of Change Made	Name of Person making the Change
11/18/2019		Initial release	GD