

	Doc or ECO #:	ECO-70273-002	Date:	3/9/2020	Author:	Aeg
	Rev. #:	A				
Engineering Change Order (ECO)	Engineering Approval:	Aeg	Date:	3/9/2020	Quality Approval:	SL

P/N #:	70273	Effective Date:	March 9, 2020
Title:	Firmware Update to Allow for Mag Field Mapper Usage		

1.0 Purpose / Summary:

The mag field mapper software requires the transmission and prioritization of very large ethernet packets. The firmware was modified to ensure that these large packets are transmitted in a manner that allows proper operation.

The new firmware is v1.4.4

2.0 Parts Affected:

Part Number	Notes	Removed	Added	New	Modified	REV
70273	ATM IMU Assembly	☐	☐	☐	☒	E

3.0 Detail:

- Increased tcp/ip buffers and prioritization.
- Decreased tcp/ip tick time
- Decreased latency in serial to tcp/ip bridge for large packets

4.0 Disposition of Material:

- Update all stock on hand and systems on the production floor.
- Update systems as they are returned for repair.
- Custom support can update fielded systems on a case by case basis

5.0 Action Items:

Action	Department	Acknowledgement Initials
• Update firmwarwe on provisioning machine	Eng	AEG
• Update revision on QC sheet	Eng	AEG
• Ensure all outgoing AHRS have been updated	Production	KK

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6.0 Modified / Referenced Documents:

Document	Current Revision
QC-70273-IMU_Checklist	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
3/9/2020	Initial Release	Initial Release	SL