

RFD/RFW Number:

FLX-RFD-ALM-CU-0014

Issue

1.0

Spacecraft / Project	FLORIS	Originator's Name	Thomas Gandy	
System / Experiment / Model	FLEX	Signature / Date		
Sub-System		Request Type (Highlight applicable request)	Waiver (RFW)	Deviation (RFD)
Assembly	EQM/PFM	Organisation	Almatech	
Sub-Assembly	Calibration Unit	Ref. Doc. / Drwg No.	ALM-PRO-4172	
Item	-	References	-	
Serial No.	EQM, PFM			

RFW/RFD Title	Single Point Failure
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End Items(s) Affected (Hardware, Software)				
Name	CI-Number	Model(s)		
Calibration Unit		EQM, PFM		
Requirement / Interface Documents Affected				
Specification/Drawing Title	Number	Issue	Date	App. Paragraph
FLORIS Calibration Unit URD	FLX-RS-FNM-INS-0006	6D01.1	10.07.2018	5.1.1
Description of Deviation / Discrepancy / Non-Conformance				
<p>FLO-INS-GDI-REQ-0030 says :</p> <p><i>The unit concept shall not have single points of failure.</i></p> <p>Notes:</p> <ul style="list-style-type: none">- <i>With the exception of the CU motor body;</i>- <i>Single Point Failure to be agreed with customer for bearings.</i> <p>Almatech is not compliant with this requirement as the following items are single point failure :</p> <ul style="list-style-type: none">- Reduction Drive- Ball bearings				
Other Items or Requirements (Potentially) Affected				
None				
Need for RFW/RFD and Rationale for Acceptance				
The listed elements cannot be made redundant.				

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RFD/RFD CLOSED	Name	Sign & Date	
		Approved	Rejected
Project Manager / Engineering: (Sub System)	Gianluigi Capo		
Engineering: (Almatech)	Marco Lai		
Product Assurance: (Almatech)	Thomas Gandy		
Project Manager: (Leonardo)			
Engineering: (Leonardo)			
Product Assurance: (Leonardo)			
Engineering (ESA)			
Contract Manager (ESA)			

Continuation sheet: