

RFD/RFW Number:
FLX-RFD-ALM-CU-0015
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-4173	
Item	-	References	-	
Serial No.	EQM, PFM			

RFW/RFD Title
Calibration Unit Center of Gravity position

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	5.3.1.3
Description of Deviation / Discrepancy / Non-Conformance				
<p>FLO-INS-GDI-REQ-0391 says :</p> <p><i>The CU CoG position shall be according to drawing in Figure 17.</i></p> <p>Mass optimisation has been conducted to lower the rotor CoG, to minimize bending moment on ball bearing. The current CU COG position is (90.56, 40.49,-70.26) mm, and deviated from the specified CoG of (106.67, -42.25, -105) mm.</p>				
Other Items or Requirements (Potentially) Affected				
None				
Need for RFW/RFD and Rationale for Acceptance				
The mass optimization is conducted in order to centre the rotor COG w.r.t. the rotational axis of the mechanism. The overall unit CoG follows the results of this optimization and cannot be brought to the required position.				

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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: