

RFD/RFW Number:	FLX-RFD-ALM-CU-0009	Issue	1.0
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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-4165	
Item	-	References	-	
Serial No.	EQM, PFM			

RFW/RFD Title	CU Mass
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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	5.3.1.3				
Description of Deviation / Discrepancy / Non-Conformance								
<p>FLO-CU-URD-REQ-0390 says :</p> <p><i>The maximum CU total mass, i.e. all units and harness, shall be lower than the values reported in Table 1, including all margins.</i></p> <table><tr><td><i>Sub-System</i></td><td><i>Total mass [kg]</i></td></tr><tr><td><i>CU</i></td><td><i>7.5 including margins</i></td></tr></table> <p><i>Table 1 - Sub-Systems total mass</i></p> <p>Current design gives a total mass of 7.169 kg without margins and a value of 8.469 kg with margins.</p>					<i>Sub-System</i>	<i>Total mass [kg]</i>	<i>CU</i>	<i>7.5 including margins</i>
<i>Sub-System</i>	<i>Total mass [kg]</i>							
<i>CU</i>	<i>7.5 including margins</i>							
Other Items or Requirements (Potentially) Affected								
None								
Need for RFW/RFD and Rationale for Acceptance								
<p>Almatech designed the CU to be as light as possible.</p> <p>Current design is within requirements without margins and above with these margins.</p> <p>The design is done to survive the mechanical constraints defined in the other requirements.</p>								

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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: