
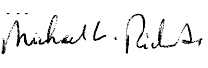

 Christian-Albrechts-Universität zu Kiel	<b>Solar Orbiter EPD Energetic Particles Detector RFD/RFD</b>		Number: SO-EPD-KIE-RD-0009 Issue: 2.0 Date: 08.12.2015	
<b>Business Agreement:</b>  <b>Order:</b>			<b>Classification: Major/Minor</b>	
<b>Originator site: CAU - Kiel (D)</b>				
<b>Item designation:</b> EPD/EPT-HET & EPD/STEP			<b>Model: FM</b>	
			<b>S/N: N/A</b>	
<b>Affected item(s):</b> EPT-HET and STEP			<b>Affected document(s):</b> Experiment Interface Document-Part A	
<b>Short Description:</b> Withdrawal of RFD-0009 issue 1 since now all EPD/Kiel FM boards are compliant to ECSS.				
<b>Detailed Description:</b> After production of FM/FS boards for the EPT-HET and STEP units, Invotec measured the annular rings for the finished holes on the boards during the coupon testing. Those measures resulted in 0.1mm on the component side and 0.2mm on the soldered side. Those values are fully compliant with the ECSS (ECSS-Q-ST-70-11C) design rules. See attached documentation (Product Quality Audit reports by Invotec)  Therefore, there is no longer the need to request the production of these boards according to IPC 6012 Class 3 specifications as stated in the issue 1 of this RFD-0009. Thus, we withdraw this RFD-0009.				
<b>Reason for Request:</b> FM design of electronic boards fully compliant with ECSS (ECSS-Q-ST-70-11C). There is no need to continue the request of issue 1 of this RFD.				
<b>Adverse Effects:</b> N/A				
<b>PRESENTING INSTITUTION</b>				
<b>Engineering</b>   Mahesh Yedla	<b>PA</b>   Michael Richards	<b>PM</b>   César Martin	<b>PI</b>   Robert Wimmer	
<b>CONSORTIUM</b>				
<b>SE</b>	<b>PA</b>	<b>EM</b>	<b>PI</b>	
<b>ESA APPROVAL</b>				
<b>Engineering</b>	<b>PA</b>	<b>PM</b>	<b>PI</b>	

Instructions as per ECSS-M-ST-40C: *remove when filling in the RfD, use this page for annex when the fields are not sufficient.*

**Table I-1: Request for deviation scope and content**

<b>Id</b>	<b>Data</b>	<b>Description</b>
1	Organization	Identification of the request for deviation originating organization
2	Number	Unique identification and register number
3	Issue	Issue status of the request for deviation
4	Date	Issue date of the request for deviation
5	Classification	Recommended classification (i.e. major or minor)
6	Project	Project under which the nonconforming item is supplied
7	Business agreement	Business agreement identification under which the nonconforming item is supplied
8	Order	Order number under which the nonconforming item is supplied
9	Originator site	Location of the request for deviation originator
10	Item designation	Identification of the nonconforming item per name and number, according to its configuration item data list
11	Affected item(s)	Identification of the CI(s) (number and name) affected by the deviation
12	Effectivity	Effectivity of the deviation by model or serial number
13	Affected document(s)	Identification of the document(s) to which the item does not conform (document number and issue, paragraph or requirement id)
14	Short description	Title or short description of the request for deviation
15	Detailed description	Description of the deviation from the relevant requirement or design feature
16	Reason for request	Reason why the proposed deviation can be accepted (rationale)
17	Adverse effects	Item characteristics affected by the deviation
18	Approval	Decision, names, date and signatures of the relevant authorities