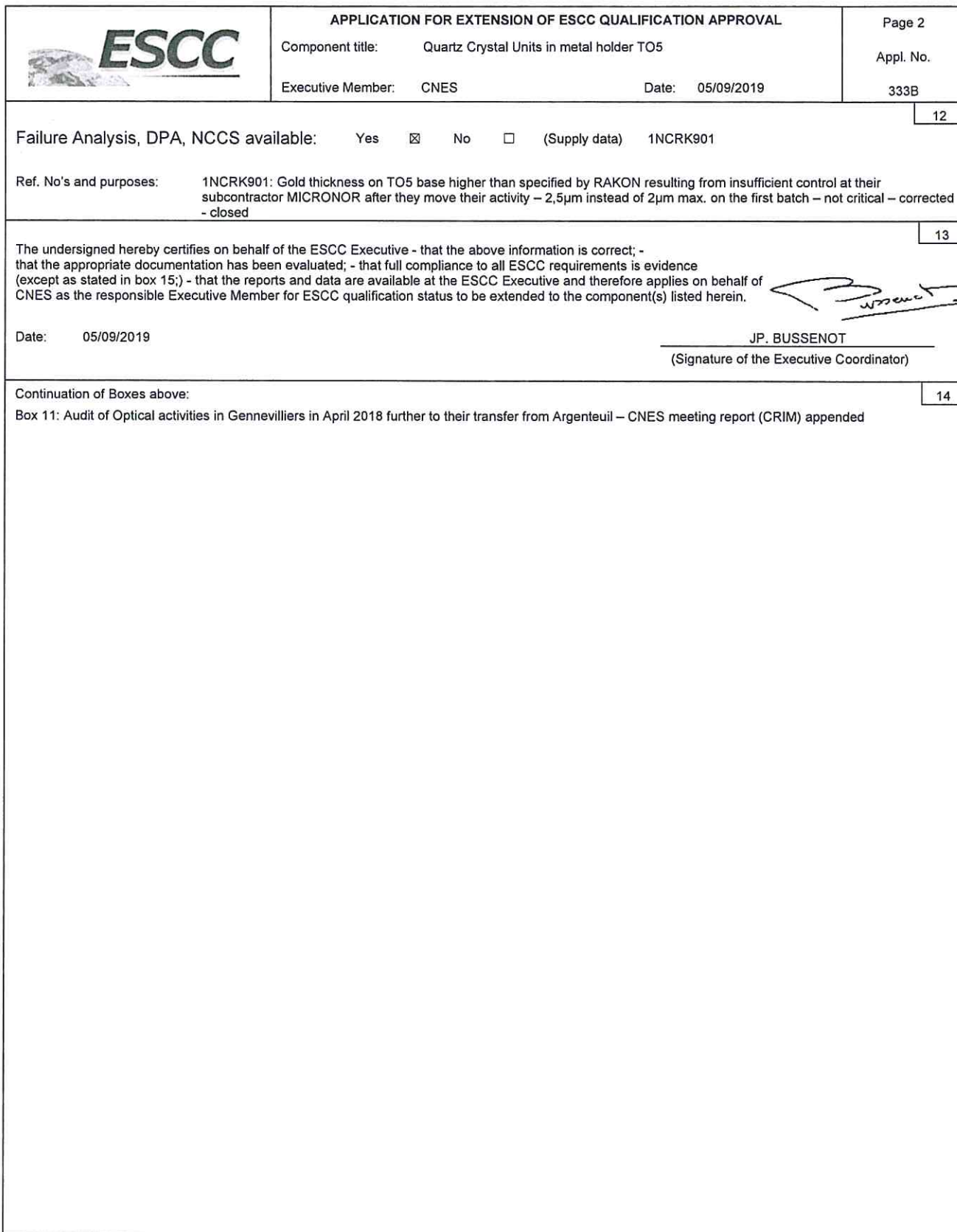
		APPLICATION FOR EXTENSION OF ESCC QUALIFICATION APPROVAL			Page 1 Appl. No. 333B	
		Component Title: Quartz Crystal Units in metal holder TO5				
		Executive Member: CNES			Date: 05/09/2019	
1						
Components (including series and families) submitted for Extension of Qualification Approval:						
ESCC COMPONENT NO.	VARIANTS	RANGE OF COMPONENTS	BASED ON	TEST VEHICLE / S	COMPONENT SIMILAR	
3501/018	All	Frequency Range :15 to 140 MHz	Type T807	STC5896 – C0283 STC5889A – C0278	All other variants	
2		3		4		
Component Manufacturer RAKON France		Location of Manufacturing Plant(s) 2 Rue Rober Keller 10 150 Pont Sainte Marie		Date of original qualification approval: Date: 01/09/2015 Certificate Ref No. 333		
5		6		7		
ESCC Specifications used for Maintenance of qualification testing: Generic: 3501 Issue: 4 Detail(s): 3501/018 Issue: 5		Deviations to LVT testing and Detail Specification used: No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> (supply details in Box 15) Deviation from current Specifications: No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> (Supply details)		Qualification Extension Report reference and date: VOQ_T807_51002109-A0 570_Dossier6270- DC1812&Dossier6273-DC1813.pdf (29/07/2019)		
8						
Summary of procurement or equivalent test results during current validity period in support of this application (those to ESCC listed first)						
Project Name	Testing Level	LAT	Date code	Quantity Delivered		
SalesOverview_Septem- ber2017- August2019.xlsx						
9		10				
PID changes since start of qualification None <input type="checkbox"/> Minor* <input type="checkbox"/> Major* <input checked="" type="checkbox"/>		Current PID Verified by: CNES Name of Agency Representative Ref No: PID ARG_PSM 51001881_D0 Issue: D0 Date: 29/08/2019 Rev Date: 29/08/2019				
*Provide details in box: Relocation of Argenteuil manufacture to Gennevilliers						
11						
Current Manufacturing facilities surveyed by: CNES & ESA on 19/03/2015 (Name of Agency Representative) (Date)						
Satisfactory: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Explain						
Report Reference: RAKPSM-AUD-2015-01 V1 annexes						





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Non compliance to ESCC requirements:

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No.:	Specification	Paragraph	Non compliance

Additional tasks required to achieve full compliance for ESCC qualification or rationale for acceptability of noncompliance:

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Executive Manager Disposition


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Application Approval: Yes ☒ No ☐

Action / Remarks:

Date:

B. Schade: Head of ESA Product Assurance and Safety Department

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ANNEX 1: LIST OF TESTS DONE TO SUPPORT EXTENSION OF QUALIFICATION

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Tests conducted in compliance with:

- ESCC 3501 generic specification; Chart V (for ESCC/QPL parts);
- Or PID-TFD (for ESCC/QML parts)

Tests vehicle identification/description:

STC5896-C0283/39.975000MHz	
STC5889A-C0278/36.000000MHz	

Detail Specification reference: 3501/018

Chart V	Test	Tick when done	Conditions	Date Code	Tested Qty	No. of Rejects	Comments if not performed. Comments on Rejection
Environmental/Mechanical Subgroup (Column 1)	Shock	<input checked="" type="checkbox"/>	IEC Publication No. 68-2-27	1813	6	0	
	Vibration	<input checked="" type="checkbox"/>	IEC Publication No. 68-2-6	1813	6	0	
	Seal Test	<input checked="" type="checkbox"/>	IEC Publication No. 68-2-17	1813	6	0	
	Electrical Measurements at Reference Temperature	<input checked="" type="checkbox"/>	Table 2 of the Detail Specification	1813	6	0	
	External Visual Inspection	<input checked="" type="checkbox"/>	ESCC Basic Specification No. 20500	1813	6	0	
Environmental/Mechanical Subgroup (Column 2)	Climatic Sequence	<input checked="" type="checkbox"/>	ESCC 3501 Para. 9.14	1813	6	0	
	Rapid Change of Temperature	<input checked="" type="checkbox"/>	IEC Publication No. 68-2-14	1813	6	0	
	Seal Test	<input checked="" type="checkbox"/>	IEC Publication No. 68-2-17	1813	6	0	
	Electrical Measurements at Reference Temperature	<input checked="" type="checkbox"/>	Table 2 of the Detail Specification	1813	6	0	
	External Visual Inspection	<input checked="" type="checkbox"/>	ESCC Basic Specification No. 20500	1813	6	0	
Endurance Subgroup	Life Test	<input checked="" type="checkbox"/>	ESCC 3501 Para. 9.17	1812	5	0	
	Electrical Measurements during Endurance Testing	<input checked="" type="checkbox"/>	Table 6 of the Detail Specification	1812	5	0	
	External Visual Inspection	<input checked="" type="checkbox"/>	ESCC Basic Specification No. 20500	1812	5	0	
Electrical Subgroup – Electr. Meas.	Electrical Measurements at Reference Temperature	<input checked="" type="checkbox"/>	Table 2 of the Detail Specification	1812	3	0	
	Electrical Measurements at High and Low Temperatures	<input checked="" type="checkbox"/>	Table 3 of the Detail Specification	1812	3	0	



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Chart V	Test	Tick when done	Conditions	Date Code	Tested Qty	No. of Rejects	Comments if not performed. Comments on Rejection
Electrical Subgroup – Ass. Capab. Tests	Solderability	<input checked="" type="checkbox"/>	IEC Publication No. 68-2-20	1812	2	0	
	Permanence of Marking	<input checked="" type="checkbox"/>	ESCC Basic Specification No. 24800	1812	2	0	
	Robustness of Terminations	<input checked="" type="checkbox"/>	ESCC 3501 Para. 9.16	1812	2	0	
Additional Tests		<input type="checkbox"/>					
		<input type="checkbox"/>					
		<input type="checkbox"/>					

