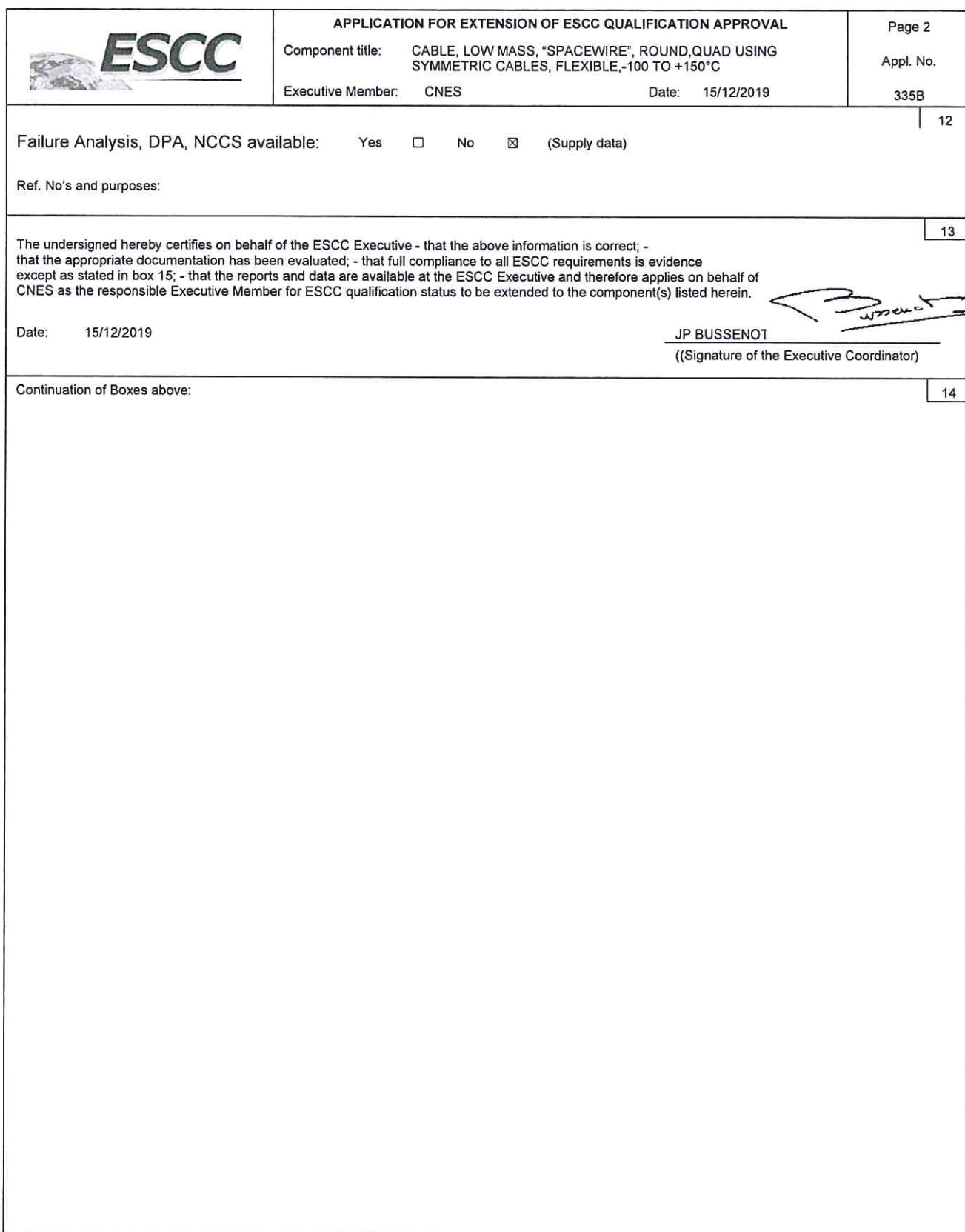


	APPLICATION FOR EXTENSION OF ESCC QUALIFICATION APPROVAL	Page 1 Appl. No. 335B			
Component Title: CABLE, LOW MASS, "SPACEWIRE", ROUND, QUAD USING SYMMETRIC CABLES, FLEXIBLE, -100 TO +150°C Executive Member: CNES Date: 15/12/2019					
Components (including series and families) submitted for Extension of Qualification Approval: 1					
ESCC COMP. NO.	VARIANTS	RANGE OF COMPONENTS	BASED ON	TEST VEHICLE / S	COMPONENT SIMILAR
3902 004	01	Variant 01 AWG 28/07 Data Rate, Operating Voltage (Continuous), Current Variant 01: 100Mb/s - 400MHz, 200V, 1.5A	Space wire	3902 004 01	
Component Manufacturer Axon		Location of Manufacturing Plant Axon Cable SA Route de Chalons en Champagne 51210 Montmirail		Date of original qualification approval: Date: 15/06/2009 Certificate Ref No. 291	
ESCC Specifications used for Maintenance of qualification testing: Generic: 3902 issue 2 Detail(s): 3902 004 issue 1		Deviations to LVT testing and Detail Specification used: No ☒ Yes ☐ (supply details in Box 15) Deviation from current Specifications: No ☒ Yes ☐ (Supply details)		Qualification Extension Report reference and date: PV4348A, 21 st November 2019	
Summary of procurement or equivalent test results during current validity period in support of this application (those to ESCC listed first) 8					
Project Name	Testing Level	LAT	Date code	Quantity Delivered	
See appendix					
PID changes since start of qualification 9 None ☐ Minor* ☒ Major* ☐ *Provide detail			Current PID Verified by: CNES 10 Name of Executive Representative Agency Ref No: ESA-PID-01-AXON Issue: 15 Date: 15/12/2019 Rev Date: 17/12/2018		
Current Manufacturing facilities surveyed by: CNES on 30/05/2018 11 (Name of Executive Representative Agency) (Date) Satisfactory: Yes ☒ No ☐ Explain Report reference CR-AXON -Mai2018					



	APPLICATION FOR EXTENSION OF ESCC QUALIFICATION APPROVAL	Page 3	
	Component title: CABLE, LOW MASS, "SPACEWIRE", ROUND, QUAD USING SYMMETRIC CABLES, FLEXIBLE, -100 TO +150°C Executive Member: CNES	Date: 15/12/2019 Appl. No. 335B	
Noncompliance to ESCC requirements:		13	
No.:	Specification	Paragraph	Non compliance
Additional tasks required to achieve full compliance for ESCC qualification or rationale for acceptability of noncompliance:		14	
Executive Manager Disposition		15	
Application Approval: Yes ☒ No ☐			
Action / Remarks:			
Date: 27.01.2020		 B. Schade, Head of ESA Product Assurance and Safety Department	

	APPLICATION FOR EXTENSION OF ESCC QUALIFICATION APPROVAL		Page 4
	Component title: CABLE, LOW MASS, "SPACEWIRE", ROUND, QUAD USING SYMMETRIC CABLES, FLEXIBLE, -100 TO +150°C Executive Member: CNES	Date: 15/12/2019	Appl. No. 335B

NOTES ON THE COMPLETION OF THE APPLICATION FORM FOR ESCC QUALIFICATION EXTENSION APPROVAL

ENTRIES

Form heading shall indicate: - the title of the component as given in its detail specification or the name of the series, family; - the Executive Member; - the entering date; - the certificate number and its sequential suffix.

Box 1 shall provide details given in the table; in particular there shall be listed: - the variants or range of variants; - the range of components (the ESCC code is recommended to indicate the values or values range, the tolerance, the voltage, etc); the designation given in the detail specification as 'base on'; - under Test Vehicle enter either an ESCC code or the specific characteristic capable of identifying the component tested (e.g., voltage of coil for a relay); - under component similar enter a cross if relevant.

Box 2; 3 and 4 As per QPL entry; otherwise, an explanation of the changes must be supplied.

Box 5 Will show the ESCC Generic and Detail specifications, including issue number and revision letter, current at the time the tests reported were performed. If the specifications are different from those current on the date of the application, see Box 6.

Box 6 Will show the deviations from the Generic and Detail Specifications listed in Box 5, in particular deviations from testing. In case of deviations this must be listed in Box 15. In case the referenced specification in Box 5 have currently a different issue and/or revision indicate also whether the test data deviates or not from such current documents.

Box 7 Must reference the report(s) supplied in support of the application.

Box 8 Should provide details of procurement to the full ESCC System, documentation of all of which should already have been delivered to the ESCC Executive under the terms of the relevant Generic Specification. An appropriate table has been drawn in this box.

Box 9 If the PID evolved after the Original Qualification or after the last Extension of Qualification, adequate details of such evolution shall be provided together with the reasons for the changes. Major changes shall be clearly marked.

Box 10 Identify the current PID issue status, date and actual date of verification. The date of verification of the current PID should be arranged as close as possible to the required date of extension.

Box 11 This box can be completed only after a physical visit to the plant to confirm that no unexplained changes occurred and that the practices, procedures, material, etc. used in manufacturing the components are as described in the PID. This survey shall be carried out in accordance with the requirements of ESCC Basic Specification No. 20200 and its findings shall be recorded.

Box 12 Provide details of, or reference to, any Destructive Physical Analysis (DPA) and Failure Analysis reports as well as any Nonconformance(s) (NCCS) occurred during the qualification validity period, stating if established corrective action have produced satisfactory results.

Box 13 Enter only the name of the Executive Member (i.e., CNES, DLR, ESTEC, etc.) and the signature of the responsible Executive Coordinator.

Box 14 To be used when there is a need to expand any of the boxes from 1 through 12. Identify box affected and reference the Box 14 in the relevant Box. Box 14 can be broken into 14a, 14b, etc. if several boxes have to be expanded.

Box 15 State noncompliance with reference to specification(s) and paragraph(s). To simplify reference in Box 16 each nonconformance shall be sequentially numbered. If relevant state 'None'.

Box 16 Any additional action deemed necessary by the Executive Member to bring the submitted data to a standard likely to be accepted by the ESCC Executive should be listed herein or the reason(s) to accept the noncompliance.

Box 17 All Executive Manager recommendations on the application itself, special conditions or restrictions, modifications of the QPL entry, letters to the manufacturer, etc. shall be entered clearly in Box 17, signed by the representative for ESA, and dated.