



APPLICATION FOR EXTENSION OF ESCC QUALIFICATION APPROVAL

Page 1

Component Title: **Flexible Coaxial, Triaxial and Symmetric Cables, -200°C to +180°C, based on type GCX, GSC, GTX and GBL according to ESCC Det. Spec. 3902/002**

Appl. No.

255 M

Executive Member: DLR

Date: 21.03.2022

Components (including series and families) submitted for Qual. App. 1

ESCC COMP. NO.	VARIANTS	RANGE OF COMPONENTS	BASED ON	TEST VEHICLE / S	COMPONENT SIMILAR
3901/002	03 to 06 10 to 13 20 to 30		GCX GSC GTX GBL	3902/002-24B	

Component Manufacturer WL Gore & Associates GmbH 2	Location of manufacturing plant 3 Nordring1 91785 Pleinfeld Germany	Date of original qualification approval 4 Date: January 1999 Certificate Ref. No.: 255
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ESCC Specifications used for maintenance 5 Generic: ESCC 3902 Issue 2 / 05.2013 Details: ESCC 3902/002 Issue 6 / 06.2014	Deviations for testing level B, 6 LAT1 and Detail Spec. used: No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> (supply details) (in Box 15) Deviation from current Spec. No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> (supply details)	Qualification Extension Report ref. and date: 7 T.D.R.-No. 9048-5 07.05.2021
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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
Various See Appendix: Confidential: List of Space Cable Order 07.03.2022			See Appendix	

PID Changes since Original Qual. or last extension of Qual. 9 None <input type="checkbox"/> Minor* <input checked="" type="checkbox"/> *Front Page updated (Approval ESCC Executive included), New layout for change table, Document reference changed to SP-0181, Abbreviations added, Process visualization improved, Added additional test capability Major* <input type="checkbox"/>	Current PID Verified by: B. Gökğöz, DLR 10 Name of Executive Representative Ref. No.: PLFWI-1494 Issue: 2 Date: 17.11.2021 Rev.: H Date: 06.10.2021
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Current Manufacturing Facilities surveyed by G. Joormann, DLR on 27.-28.11.2015 11
(Name of Executive Representative) (date)

Satisfactory:
Yes No Explain:

Report Reference : **REF GORE-AU-2015**

	<p align="center">APPLICATION FOR EXTENSION OF ESCC QUALIFICATION APPROVAL</p> <p>Component Title: Flexible Coaxial, Triaxial and Symmetric Cables, -200°C to +180°C, based on type GCX, GSC, GTX and GBL according to ESCC Det. Spec. 3902/002</p> <p>Executive Member: DLR Date: 21.03.2022</p>	<p>Page 1</p> <p>Appl. No.</p> <p align="center">255 M</p>
<p>Failure Analysis, DPA, NCCS available: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> (supply data) 12</p> <p>Ref. No's and purposes:</p>		
<p>The undersigned hereby certifies on behalf of the ESCC Executive - that the above information is correct; - that the appropriate documentation has been evaluated; - that full compliance to all ESCC requirements is evidence (except as stated in box 15;) - that the reports and data are available at the ESCC Executive and therefore applies on behalf of DLR as the responsible Executive Member for ESCC qualification status to be extended to the component(s) listed herein. 13</p> <p align="right">  <u>I.A. B. Gökgez</u> (Signature of the Executive Coordinator) </p> <p>Date: 23.03.2022</p>		
<p>Continuation of Boxes above: 14</p>		


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Page 1

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255 M

15

Noncompliance to ESCC requirements:

No.:	Specification	Paragraph	Non compliance

16

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

17

ESCC Disposition:


Application Approval: Yes No

Action/Remarks:

Date:

Britta Schade Digitally signed
by Britta Schade
Date: 2022.04.28
17:37:35 +02'00'

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

	<p style="text-align: center;">APPLICATION FOR EXTENSION OF ESCC QUALIFICATION APPROVAL</p> <p>Component Title: Flexible Coaxial, Triaxial and Symmetric Cables, -200°C to +180°C, based on type GCX, GSC, GTX and GBL according to ESCC Det. Spec. 3902/002</p> <p>Executive Member: DLR Date: 21.03.2022</p>	<p>Page 1</p> <p>Appl. No.</p> <p style="text-align: center;">255 M</p>
<p>NOTES ON THE COMPLETION OF THE APPLICATION FORM FOR ESCC QUALIFICATION EXTENSION APPROVAL</p>		
<p>ENTRIES</p> <p>Form heading</p> <p>Box 1</p> <p>Box 2; 3 and 4</p> <p>Box 5</p> <p>Box 6</p> <p>Box 7</p> <p>Box 8</p> <p>Box 9</p> <p>Box 10</p> <p>Box 11</p> <p>Box 12</p> <p>Box 13</p> <p>Box 14</p> <p>Box 15</p> <p>Box 16</p> <p>Box 17</p> <p>Box 18</p> <p>Box 19</p> <p>Box 20</p> <p>Box 21</p> <p>Box 22</p>	<p>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.</p> <p>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.</p> <p>As per QPL entry; otherwise, an explanation of the changes must be supplied.</p> <p>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.</p> <p>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.</p> <p>Must reference the report(s) supplied in support of the application.</p> <p>Should provide the 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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>Enter only the name of the Executive Member (i.e., CNES, DLR, ESTEC, etc.) and the signature of the responsible Executive Coordinator.</p> <p>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.</p> <p>Fill in Table as requested.</p> <p>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.</p> <p>All Executive Manager recommendations on the application itself, special conditions or restrictions, modifications of the QPL or QML entry, letters to the manufacturer, etc. shall be entered clearly in Box 19, signed by the representative for ESA, and dated.</p> <p>Fill in Table as requested.</p> <p>Confidential Details of PID changes including those of a confidential nature, shall be provided.</p> <p>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'.</p> <p>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.</p> <p>Additional Comments.</p>	