ESCC	APPLICATION FOR EXTENSION OF ESCC QUALIFICATION APPROVAL Component Title: **POLYIMIDE INSULATED WIRES AND CABLES, SHIELDED CABLES WITH DRAIN WIRE, LOW FREQUENCY, 600V, -200 TO +200°C, BASED ON TYPE SPL AND SPLD ACCORDING ESCC DET. SPEC. NO. 3901/019 & 3901/021** Executive Member: DLR Date: 16.02.2022	Page 1 Appl. No. 380

1

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

ESCC COMP. NO.	VARIANTS	RANGE OF COMPONENTS	BASED ON	TEST VEHICLE / S	COMPONENT SIMILAR
3901/019 **3901/021**	**01 to 94** **01 to 41**		**SPL** **SPLD**	**3901/021-12B**	**covered by similarity**

2

Component Manufacturer
WL Gore & Associates GmbH

3

Location of manufacturing plant

Nordring1
91785 Pleinfeld
Germany

4

Date of original qualification approval

Date: **Feb 1994** **Nov 1994**
Certificate Ref. No.: **229** **219**

5

ESCC Specifications used for maintenance

Generic: **ESCC 3901 Issue 3 / 01.2017**
Details: **ESCC 3901/021 Issue 4 / 10.2014**

6

Deviations for testing level B,

LAT1 and Detail Spec. used:

No ☒ Yes ☐ (supply details) (in Box 15)

Deviation from current Spec.

No ☒ Yes ☐ (supply details)

7

Qualification Extension Report ref. and date:

T.D.T-No. 9023-5

25.11.2021

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
Various See Appendix: Order list space products **ESCC 3901021 Issue 02.02.2022**			See Appendix	

9

PID Changes since Original Qual. or last extension of Qual.

None ☐
Minor* ☒ **Front Page updated (Approval ESCC Executive, included), Document reference changed to SP-0181, Typo corrected, New layout for change table, Process visualization improved, Added additional test capability. Lot traveller example update.**
Major* ☐

10

Current PID Verified by: **B. Gökgöz, DLR**
Name Executive Representative

Ref. No.: **PLFWI-1531 (3901/019)**
Issue: **2** Date: **17.11.2020**
Ref. No.: **PLFWI-1532 (3901/021)**
Issue: **2** Date: **17.11.2020**

Rev.: **H**
Date: **04.10.2021**

11

Current Manufacturing Facilities surveyed by **G. Joormann, DLR** (Name Executive Representative) on **27.-28.11.2015** (date)

Satisfactory:
Yes ☒ No ☐ Explain: new audit performed in February 2022 successful, report not available

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

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12

Failure Analysis, DPA, NCCS available: Yes ☐ No ☒ (supply data)

Ref. No's and purposes:

13

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 for ESCC qualification status to be extended to the component(s) listed herein.

Date: 23.03.2022

I.A. B. Gökgöz DLR
(Signature of the Executive Coordinator)

14

Continuation of Boxes above:

ESCC	**APPLICATION FOR EXTENSION OF ESCC QUALIFICATION APPROVAL** Component Title: **POLYIMIDE INSULATED WIRES AND CABLES, SHIELDED CABLES WITH DRAIN WIRE, LOW FREQUENCY, 600V, -200 TO +200°C, BASED ON TYPE SPL AND SPLD ACCORDING ESCC DET. SPEC. NO. 3901/019 & 3901/021** Executive Member: DLR Date: 16.02.2022	Page 1 Appl. No. 380

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:

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

ESCC	**APPLICATION FOR EXTENSION OF ESCC QUALIFICATION APPROVAL** Component Title: **POLYIMIDE INSULATED WIRES AND CABLES, SHIELDED CABLES WITH DRAIN WIRE, LOW FREQUENCY, 600V, -200 TO +200°C, BASED ON TYPE SPL AND SPLD ACCORDING ESCC DET. SPEC. NO. 3901/019 & 3901/021** Executive Member: DLR Date: 16.02.2022	Page 1 Appl. No. 380

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 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.
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	Fill in Table as requested.
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 or QML entry, letters to the manufacturer, etc. shall be entered clearly in Box 19, signed by the representative for ESA, and dated.
Box 18	Fill in Table as requested.
Box 19	Confidential Details of PID changes including those of a confidential nature, shall be provided.
Box 20	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 21	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 22	Additional Comments.