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|  | | | | | | | | | | | | **APPLICATION FOR ESCC QUALIFICATION APPROVAL** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Page 1 | | | | | | | |
| Component Title: | | | | | | | | | |  | | | | | | | | | | | | | | | | | | | | | | | | | Appl. No. | | | | | | | |
| Executive Member: | | | | | | | | | | | | |  | | | | | | | | | | | | | | Date: | | |  | | | | |  | | | | | | | |
| Components (including series and families) submitted for Qualification Approval | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | |
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| ESCC  COMPONENT. NO. | | | | | | VARIANTS | | | | | | | | RANGE OF COMPONENTS | | | | | | | | | | | | | | | | | BASED  ON | | | | | | TEST  VEHICLE / S | | | | | | | | COMPONENT  SIMILAR | | | | | | | | | |
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| Component Manufacturer | | | | | | | | | | | 2 | | | Location of Manufacturing Plant | | | | | | | | | | | | | | | | | | | 3 | | ESCC Specification used for Qualification | | | | | | | | | | | | | | | | | | 4 | |
| Click here to enter text. | | | | | | | | | | | | | | Click here to enter text. | | | | | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | | | | | |
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| Issue | | | | | | Click here to enter text. | | | | | | | | | | | | | |
| Qualification Report Reference and date: | | | | | | | | | | | | | | | | | | | | | | | | | | | 5 | | **PID** used for manufacturing Qualification Lot | | | | | | | | | | | | | | | | | | | | | | | | | 6 |
| Click here to enter text. | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Date: | | | Click here to enter a date. | | | | | | | | | | | | | | | | | | | | | | |
| **PID** changes since start of qualification | | | | | | | | | | | | | | | | | | | | 7 | | | Current **PID** Verified by | | | | | | | | | | | Click here to enter text. | | | | | | | | | | | | | | |  | | | | 8 | |
| None |  | | | |  | | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | Name of Executive Representative | | | | | | | | | | | | |  | | | | | |
| Minor\* |  | | | | (\* Details not published, provided in confidential annex 2.) | | | | | | | | | | | | | | | | | | Ref No: | | | | | | | | | | | | | Click here to enter text. | | | | | | | | | | | | | | | | | | |
| Major\* |  | | | | Issue | | | | | | | | | | | | | Click here to enter text. | | | | | | | | | | | | | | | | | | |
| Click here to enter text. | | | | | | | | | | | | | | | | | | | | | | | Date | | | | | | | | | | | | | Click here to enter text. | | | | | | | | | | | | | | | | | | |
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| Current Manufacturing facilities surveyed by: | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 9 | | |
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| (Name of Executive Responsible) | | | | | | | | | | | | | | | | | | | | | | | | (Date) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Report Reference | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Satisfactory: | | | | | | | Yes | |  | | | |  | | No | | | |  | | Explain | | | | | | | Click here to enter text. | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Quality and Reliability Data | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | | | | | | | 10 | | | |
| Evaluation testing performed | | | | | | | | Yes | |  | | | | | | | No | | |  | | | | | |  | | | | Failure analysis, DPA, NCCS available | | | | | | | | | | | | | Yes |  | | No | |  | | |  | | | |
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|  | | | **APPLICATION FOR ESCC QUALIFICATION APPROVAL** | | | | | | | | Page 2 | | |
| Component Title: |  | | | | | | | Appl. No. | | |
| Executive Member: | |  | | | | Date: |  |  | | |
| 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 13; that the reports and data are available at the ESCC Executive and therefore applies for ESCC qualification status to be given to the component(s) listed herein. | | | | | | | | | | | | 11 | |
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| Date: | Click here to enter a date. |  | | | | |  | Click here to enter text. | | | | | |
|  | | | | | | | | (Signature of the Executive Coordinator) | | | | |  |
| Continuation of Boxes above: (Only non-confidential comments) | | | | | |  | | | | | | | 12 |
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|  | | | | | | | **APPLICATION FOR ESCC QUALIFICATION APPROVAL** | | | | | | | | | | Page 3 | | |
| Component Title: | | | |  | | | | | | Appl. No. | | |
| Executive Member: | | | | |  | | | Date: |  |  | | |
| Non compliance 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 |
| Click here to enter text. | | | | | | | | | | | | | | | | | | |
| Executive Manager Disposition | | | | | | | | | | | | | | | | | | 15 |
| Application Approval: | | | Yes |  | No | |  | |  | | | | | | | | | |
| Action / Remarks: | | |  | | | | | | | | | | | | | | | |
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| Date: | Click here to enter a date. | | | | | | | | | | | | Click here to enter text. | | | |  |  |
|  |  | | | | | | | | | | | | B. Schade: Head of ESA Product Assurance  and Safety Department | | | | | |
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|  | | | **APPLICATION FOR ESCC QUALIFICATION APPROVAL** | | | | | Page 4 | |
| Component Title: |  | | | | Appl. No. | |
| Executive Member: | |  | Date: |  |  | |
| ANNEX 1: LIST OF TESTS DONE TO SUPPORT QUALIFICATION | | | | | | | | 16 |
| Tests conducted in compliance with: | | | | | | | | |
| * ESCC 3601 generic specification; Chart F4 (for ESCC/QPL parts); * Or PID-TFD Click here to enter text. (for ESCC/QML parts) | | | | | | | | |
| Tests vehicle identification/description: | | | | | | | | |
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| Detail Specification reference: | Click here to enter text. | | | | | | | |

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| | Chart F4 | Test | Tick when done | Conditions | Date Code | Tested Qty | No. of Rejects | Comments if not performed.  Comments on Rejection | | --- | --- | --- | --- | --- | --- | --- | --- | | Environmental /MechanicalSubgroup (Column 1) | Thermal Shock |  | MIL-STD-202, Test Method 107 |  |  |  |  | | Low Level Sine  Vibration |  | MIL-STD-202, Test Method 204 |  |  |  |  | | Random Vibration |  | MIL-STD-202, Test Method 214 |  |  |  |  | | Low Level  Mechanical Shock |  | MIL-STD-202, Test Method 213 |  |  |  |  | | Resistance to  Soldering Heat |  | MIL-STD-202, Test Method 210 |  |  |  |  | | Seal (Fine and  Gross Leak) |  | MIL-STD-202, Test Method 112 |  |  |  |  | | External Visual  Inspection |  | ESCC Basic Specification No. 20500 |  |  |  |  | | Environmental /Mechanical Subgroup (Column 2) | High Level Sine  Vibration |  | MIL-STD-202, Test Method 204 |  |  |  |  | | High Level  Mechanical Shock |  | MIL-STD-202, Test Method 213 |  |  |  |  | | Seal (Fine and  Gross Leak) |  | MIL-STD-202, Test Method 112 |  |  |  |  | | External Visual  Inspection |  | ESCC Basic Specification No. 20500 |  |  |  |  | | Endurance Subgroup 1 (Column 1) | Low Level Life |  | ESCC 3601 Para. 8.11.1 |  |  |  |  | | Inductive Life |  | ESCC 3601 Para. 8.11.2 |  |  |  |  | | Seal (Fine and  Gross Leak) |  | MIL-STD-202, Test Method 112 |  |  |  |  | | External Visual  Inspection |  | ESCC Basic Specification No. 20500 |  |  |  |  | |

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|  | | **APPLICATION FOR ESCC QUALIFICATION APPROVAL** | | | | | Page 5 | |
| Component Title: |  | | | | Appl. No. | |
| Executive Member: | |  | Date: |  |  | |
| |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | | Chart F4 | Test | Tick when done | Conditions | Date Code | Tested Qty | No. of Rejects | Comments if not performed.  Comments on Rejection | | Endurance Subgroup 1 (Column 2) | Coil Life |  | ESCC 3601 Para. 8.12 |  |  |  |  | | Seal (Fine and  Gross Leak) |  | MIL-STD-202, Test Method 112 |  |  |  |  | | External Visual  Inspection |  | ESCC Basic Specification No. 20500 |  |  |  |  | | Endurance Subgroup 1 (Column 3) | Intermediate Current |  | ESCC 3601 Para. 8.13 |  |  |  |  | | Mechanical Life |  | ESCC 3601 Para. 8.14 |  |  |  |  | | Seal (Fine and  Gross Leak) |  | MIL-STD-202, Test Method 112 |  |  |  |  | | External Visual  Inspection |  | ESCC Basic Specification No. 20500 |  |  |  |  | | Endurance Subgroup 2 | Resistive Life |  | ESCC 3601 Para. 8.11.3 |  |  |  |  | | Seal (Fine and  Gross Leak) |  | MIL-STD-202, Test Method 112 |  |  |  |  | | External Visual  Inspection |  | ESCC Basic Specification No. 20500 |  |  |  |  | | Assembly Capability Subgroup | Solderability |  | MIL-STD-202, Test Method 208 |  |  |  |  | | Overload |  | ESCC 3601 Para. 8.16 |  |  |  |  | | Permanence ofMarking |  | ESCC Basic Specification No. 24800 |  |  |  |  | | Terminal Strength |  | MIL-STD-202, Test Method 211 |  |  |  |  | | Seal (Fine and  Gross Leak) |  | MIL-STD-202, Test Method 112 |  |  |  |  | | Additional Tests |  |  |  |  |  |  |  | |  |  |  |  |  |  |  | |  |  |  |  |  |  |  | | | | | | | |

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|  | | | | | **APPLICATION FOR ESCC QUALIFICATION APPROVAL** | | | | | | | Page 6 | | | |
| Component Title: | |  | | | | | Appl. No. | | | |
| Executive Member: | | |  | | Date: |  |  | | | |
| ANNEX 2 : CONFIDENTIAL DATA | | | | | | | | | | | |  | |
|  | |
| PID changes details | | | | | | | | | | | | 17 | |
| None |  |  |  | | | | | | | | | |  |
| Minor |  |  |  | | | | | | | | | |
| Major |  |  |  | | | | | | | | | |  |
| Noncompliance to ESCC requirements: | | | | | | | | | | | | 18 | | |
| No.: | Specification | | | | Paragraph | | | Non compliance | | | | | | |
| Click here to enter text. | Click here to enter text. | | | | Click here to enter text. | | | Click here to enter text. | | | | | | |
| Additional tasks required to achieve full compliance for ESCC qualification or rationale for acceptability of  noncompliance: | | | | | | | | | | | | 19 | | |
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| Additional Comments | | | | | | | | | | | | 20 | | |
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|  | | **APPLICATION FOR ESCC QUALIFICATION APPROVAL** | | | | | Page 7 | |
| Component Title: |  | | | | Appl. No. | |
| Executive Member: | |  | Date: |  |  | |
| ***NOTES ON THE COMPLETION OF THE APPLICATION FORM FOR ESCC QUALIFICATION APPROVAL*** | | | | | | |
| **ENTRIES**   |  |  | | --- | --- | | **Form Heading** | shall indicate:— the title of the component as given in its detail specification or the name of the series or family; — the entering date; — the serial number and the suffix of the form. | | **Box 1** | shall provide details given in table; in particular there shall be listed - the variants or range of variants; the range of components by using the ESCC code for values tolerances, etc.; the designation given in detail specification as 'based on'; ---under Test Vehicle enter either a cross or the specific characteristic capable to identify the component tested; — under component similar enter a cross. | | **Box 2 and 3** | Manufacturer’s name and location of plant where the components were manufactured and tested. | | **Box 4** | Generic and detail specifications used during qualification program. | | **Box 5** | Reference to test report(s) submitted in support of application. | | **Box 6** | Enter details to identify the PID that was applicable at the time the qualification lot was manufactured. | | **Box 7** | If the PID was evolved after qualification lot manufacture, adequate details of such evolution shall be provided together with reasons for changes. Major changes shall be clearly marked. | | **Box 8** | The box serves to identify the current PID and the Executive Representative that has verified it together with the date of this occurrence. | | **Box 9** | This box can be completed only after a physical visit to the plant to confirm that the practices, procedures, materials, 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 10** | Details entered shall be sufficient to evidence that an evaluation program according to ESCC Basic Specification No. 22600 has been performed and that the results thereof are summarized in the survey and test reports. If the evaluation program has not been carried out according to established ESCC documents, the applicant Executive Representative shall provide alternative data and declare its assessed degree of satisfactory compliance with the ESCC basic requirements. Reference shall be made to the reports on Destructive Physical Analysis (DPA), Failure Analysis and Non conformance (NCCS) issued during the Evaluation and/or Qualification Phase. | | **Box 11** | Enter the name of the Executive Coordinator and the signature. | | **Box 12** | To be used when there is a need to expand any of the boxes from 1 through 10. Identify box affected and reference the Box 12 in the relevant Box. Box 12 can be broken into 12a, 12b, etc. if several Boxes have to be expanded. | | **Box 13** | Fill table as requested. | | **Box 14** | Fill in any additional tasks required to achieve full compliance. | | **Box 15** | All Executive recommendations on the application itself, special conditions or restrictions, modifications of the QPL or ESCC QML entry, letters to the manufacturer, etc. shall be entered clearly in Box 15, signed by the ESA Representative. | | **Box 16** | Fill in Table as requested. | | **Box 17** | Confidential details of PID changes shall be provided. | | **Box 18** | State noncompliance with reference to specification(s) and paragraph(s). To simplify reference in Box 18 each nonconformance shall be sequentially numbered. If relevant state 'None' | | **Box 19** | Any additional action deemed necessary by the Executive Representative 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 nonconformance. | | **Box 20** | Additional Comments | | | | | | | |
|  | | | | | | |