



SRC, Inc.
SUPPLIER QUALITY CLAUSES (SQC'S)

01 SOURCE INSPECTIONS

The required level of Source Inspection, if applicable, will be defined on the PO line(s).

| Level | Description |
|--------------|--|
| A1 | Government Source Inspection (GSI): Government Source Inspection is required prior to shipment from your facility. Upon receipt of this purchase order, notify the government representative who services your facility. If a government representative cannot be located, contact the SRC Procurement Department immediately. Evidence of GSI must accompany each shipment |
| A2 | Government Source Inspection (GSI): Government process monitoring, and inspection is required. Evidence of GSI is not required prior to shipment of this product. Upon receipt of this purchase order, notify the government representative who services your facility. If a government representative cannot be located, contact the SRC Procurement Department immediately |
| B | SRC Customer Source Inspection: Source Inspection by an SRC non-government customer is required prior to shipment from your facility. Notify SRC Procurement Department a minimum of 15 days prior to shipment for scheduling purposes |
| C | SRC Source Inspection: SRC, Inc. Source Inspection is required prior to shipment from your facility. Evidence of SRC Source Inspection must accompany each shipment. Notify SRC Procurement Department 5 days prior to shipment for scheduling purposes. SRC reserves the right to waive Source Inspection. If so, the Procurement or SRC Quality Assurance Department will notify the supplier in writing. Include copy of notification with shipment paperwork. |

* The supplier is responsible for assuring that products are ready for SRC source inspection at the scheduled time. The Supplier's readiness includes making available all inspection and test documentation, including the P.O and drawings, inspection/test equipment, and necessary personnel required to complete the source inspection.

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02 Printed Circuit Assembly (PCA) Cleaning Requirements

The required level(s), if applicable, will be defined on the PO line(s).

| Level | Description |
|-----------|---|
| A1 | PCA Cleaning Requirements: PCA to be washed utilizing deionized water. |
| A2 | PCA Cleaning Requirements: PCA to be ROSE tested per IPC-TM-650 Method 2.3.25. Test results shall be provided with each shipment and be less than 1.56 µg NaCl Equivalent per cm ² . |
| A3 | PCA Cleaning Requirements: PCA to be washed utilizing deionized water and saponifier. |
| A4 | PCA Cleaning Requirements: PCA to be visually inspected post saponifier wash per IPC-A-610 Class per drawing. |
| A5 | PCA Cleaning Requirements: PCA to be baked, post wash, at 80°C maximum temperature |
| A6 | PCA Cleaning Requirements: PCA to be locally cleaned using chemistry. Contact SRC for reference designator locations to be cleaned. |
| A7 | PCA Cleaning Requirements: PCA to be locally cleaned using IPA. Contact SRC for reference designator locations to be cleaned. |
| A8 | PCA Cleaning Requirements: PCA to be Vacuum Plasma cleaned using Argon. |

03 Conformal Coat

| Level | Description |
|-----------|--|
| A1 | All product must be fully verified for conformance under 2x to 3x magnification; 4x max referee. |

09 FIRST ARTICLE INSPECTION

- The required Level of First Article Inspection will be identified on the PO line(s).
 - Note: SRC may elect to qualify similar parts (family) or by special process

| Level | Description |
|-----------|--|
| A1 | Delta First Article Inspection: Forms, sample(s), and supporting data submitted to SRC |
| A2 | Complete First Article Inspection: Forms, sample(s), and supporting data submitted to SRC |
| A4 | Complete First Article Inspection: Forms, sample(s), and supporting data reviewed at suppliers manufacturing location |

- FAI quantity is two (2), unless otherwise specified on the PO.

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- Produce production-representative samples, to the fullest extent possible using equipment, tooling and processes that will be used in the production of said product.
- FAI approval from SRC applies to the product and associated processes
- Supplier process changes following FAI approval shall be controlled and communicated to SRC (See “Change Management / Process Changes” in Supply Chain Manual)
- Supplier shall not ship additional quantities of product until FAI approval. Additional quantities of product produced prior to FAI approval are at the Supplier’s risk unless they have prior written authorization from their Purchasing Agent.
- FAI approval does not relieve the Supplier of the responsibility and/or liability for full compliance with all contract requirements.
- Supplier may use AS9102 forms, SRC **First Article Inspection Forms** or equivalent. The PO number and line shall be referenced regardless of form choice.
 - SRC First Article Inspection Forms are provided at <http://www.srcinc.com/suppliers/supplier-quality.html>

Required Documentation

The Supplier shall provide items #1-11 below, with #12-16 as applicable along with **FAI Checklist** (SQA-F-600) which identifies and accounts for all requirements that comprise a complete FAI package submittal

- Item #1: SRC Form 1 First Article Submission/Authorization (SQA-F-500)
 - Item #1A: In addition to SRC Form 1 (SQA-F-500), the supplier may include AS9102 Form 1 or equivalent.
- Item #2: SRC Form 2 - Product Accountability - Material, Special Process & Functional Testing (SQA-F-501) or AS9102 Form or equivalent
 - Material and special processes certs are required. Qualification-type (i.e. environmental, MIL-STD) testing may be required as specified on the design documentation, unless otherwise waived by SRC
 - “Qualifying by Similarity” must be approved by SRC prior to submission, with the approval included as part of the Form 2 section
- Item #3: SRC Form 3 - Characteristic Accountability and Verification Form (SQA-F-502) or AS9102 Form 3 or equivalent. Accounts for all characteristics (e.g. Notes, Dimensions, and Specifications)
- Item #4: Drawings and Specifications that reference the characteristic with a numbered balloon. Actual measurements are to be recorded. Test data is required in addition to Form 3 data entry.
- Item #5: Certificate of Compliance (CoC) in accordance with the Supply Chain Manual
- Item #6: Certificate of Compliance (CoC) for subcomponents **ARE** required for Mechanical and Cable products
- Item #7: Certificate of Compliance (CoC) for subcomponents **ARE NOT** required, but are acceptable, for CCA/PCB and Electronics products

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Note: It is required that all CoC's for subcomponents are retained at the supplier and are available for review whether they have been submitted or not.

- Item #8: Copy of Purchase Order. Include the most recent Change Order.
- Item #9: Process flow diagram or process router/traveler.
- Item #10: Process risk analysis (PFMEA or equivalent)
- Item #11: Control Plan
- Item #12: Electrical / Electro Mechanical – Acceptance Test Procedure (ATP) for part number with a SRC, SCP, or GS prefix
 - An ATP shall be developed for final product acceptance. The APT shall account for all Critical to Function (CTF) characteristics/features identified on the drawing, specification, or Statement of Work (SOW), as applicable
 - Once approval has been granted, the ATP will be “frozen”. 100% test is required. Changes to the ATP must be submitted to SRC, via the Supplier Change Request (SCR) form, for review and approval **prior** to incorporation.
- Item #13: Gage R&R - Non-Electrical (Metal Fab, Cables, etc.) ONLY
 - All Critical to Function (CTF) **and** all dimensions with a total tolerance of less than or equal to .010” (.254 mm) will require a GR&R for each gage type used for acceptance inspection.
- Item #14: Suppliers of Special Processes – shall submit the validation plan and report or a documented verification plan.
- Item #15: Waiver/Deviation Request (as applicable)
- Item #16: Other Supporting Documentation (as applicable, per PO)
- Complete and attach **Product Alert** (SQA-F-200) forms to the outside of the shipping container. Quantity 2, one each on adjacent sides, is preferred.
- Ship hard copy of FAI report along with samples **AND** email an electronic copy to supplierqa@srcinc.com

Revision History:

| Revision | Date | Description |
|----------|------------|--|
| U | 2/6/14 | Changed document number from QMS to SCM |
| V | 6/28/19 | Removed 07, 08, 11, 15, 16, 18, 19, 20, 21, 22, 23, and 24 Updated 09 |
| W | 03/11/2020 | Added Section 02 |
| X | 4/24/20 | Added 03 – Conformal Coat, Updated 09 FAI, Required Documentation, to include subcomponent CoC requirements, re-numbered items accordingly, form renumbering, added clarification regarding Gage R&R requirements, added “Note: SRC may elect to qualify similar parts (family) or by special process” under 09, |