



F7.4.2-P01-I01

DRS-CCI Bridgeport Supplier Quality Clauses

Revision History

Revision	Date	Description Of Change
-	05/02/13	Initial Release.
A	9/17/14	Changed DRS Power Solutions (Fermont) to DRS-CCI Bridgeport throughout. Previous release had QC301 used twice. The second was changed to QC302.

Note: The only controlled version of this document is the one being viewed online. Any printed copy becomes an uncontrolled copy.



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1. PURPOSE

The purpose of this document is to identify supplier quality clauses used on purchase orders issued by the DRS-CCI Bridgeport division only.

2. SCOPE

This procedure applies to all DRS-CCI Bridgeport suppliers. It is intended to establish common language for supplier quality requirements related to DRS-CCI Bridgeport generated purchase orders.

3. DEFINITIONS

N/A

4. ACRONYMS

ABL – As Built List
CCA – Circuit Card Assembly
COTS- Commercial Off The Shelf
C of A – Certificate of Analysis
C of C – Certificate of Conformance
C of T – Certificate of Test
DPA – Destructive Physical Analysis
DSR – Designated Supplier Representative
ESD – Electrostatic Discharge
GSI – Government Source Inspection
KC – Key Characteristic
KPI – Key Process Input
MHP – Mandatory Hold Point
MRB – Material Review Board
M&TE – Measuring & Test Equipment
NDT – Non-Destructive Test
PCB – Printed Circuit Board
PO – Purchase Order
QMS – Quality Management System
QPL – Qualified Parts List
RAB – Registrar Accreditation Board
SQA – Supplier Quality Assurance
SCAR – Supplier Corrective Action Request
UID – Unique Identification



5. RESPONSIBILITIES

- 5.1 It is DRS-CCI Bridgeport's responsibility to determine which codes are applicable to the individual purchase orders. The quality department is also responsible to coordinate the review and approval of this document with supply chain management.
- 5.2 DRS-CCI Bridgeport has configuration and maintenance responsibility for this document. The only controlled version will be available for viewing on the www.drs.com website, under the "contact" tab.
- 5.3 It is the responsibility of the supplier to review all identified quality clauses and ensure compliance to the specified requirements. When there are conflicting requirements between these clauses and any other DRS-CCI Bridgeport documentation, then it is incumbent upon the supplier to contact the DRS-CCI Bridgeport buyer to resolve those conflicts prior to initiating work. The use of the Supplier Request for Information (SRI) form F7.4.1-P01-F08 is required, which can be obtained from and submitted to the DRS-CCI Bridgeport buyer.

6. STAKE HOLDERS

DRS-CCI Bridgeport supply chain and quality personnel who utilize these clauses are stakeholders in this specification.

7. USE OF CLAUSES

7.1 Quality Clause Structure

7.1.1 The Quality clauses are categorized into 100, 200 and 300 series numbers.

7.1.1.1 The 100-series clauses are standard requirements and will normally be identified on all product related purchase orders.

7.1.1.2 The 200-series clauses are commodity specific. The same clause numbers will normally be identified on all purchase orders of the same commodity.

7.1.1.3 The 300-series clauses are item specific.

7.2 DRS-CCI Bridgeport Common Supplier Quality Clauses:

QC100 – Quality Management System: The supplier shall maintain a Quality Management System that is certified to the requirements of AS9100, ISO9001 or TS16949 as applicable (RAB accredited registrar preferred), or a Quality Management System approved by DRS-CCI Bridgeport.

QC101 – Identification, Preservation, Packaging, and Packing: All shipments to DRS-CCI Bridgeport must be packaged to avoid damage and deterioration and must be shipped to the address specified on the PO unless otherwise noted. Packaging and packing shall be in accordance with good commercial practices unless otherwise



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specified on the PO. Parts shall not be intermingled unless otherwise specified. Each box or container shall be labeled and have as a minimum the following information: (1) Part number and revision, (2) PO number, (3) PO Line Item, (4) Quantity and (5) Manufacturer's identification.

QC102 – Source of Supply / Counterfeit Avoidance: Suppliers are responsible to ensure compliance for materials used to manufacture parts supplied to DRS-CCI Bridgeport. Suppliers shall only purchase materials from Original Equipment Manufacturers (OEMs), Original Component Manufacturers (OCMs), standard catalogues, or the OEM/OCM authorized franchised distributors. Purchasing from independent brokers or other sources is not authorized unless approved in writing by DRS-CCI Bridgeport.

Suppliers of electronic components will have an established counterfeit avoidance program. That program shall include a process for component authentication/testing with verified traceability to the OCM. Supplier programs that are not certified to either AS6081 / CCAP 101, or audited to SAE AS5553 shall be approved in writing by DRS-CCI Bridgeport prior to providing electronic components or production assemblies with electronic components. Reference QC209.

QC103 – Measuring & Test Equipment: It is the supplier's responsibility to ensure all equipment, including Customer Furnished Equipment and Government Furnished Equipment, used to test and inspect items supplied to DRS-CCI Bridgeport is maintained and traceable to the National Institute of Standards and Technology (NIST) requirements. A calibration system in accordance with ISO 10012-1, ANSI/NCSL Z540-1, or equivalent will be used by the supplier.

QC104 – Control of Quality Records: All records related to the manufacturing, testing and inspection of parts supplied to a DRS-CCI Bridgeport purchase order shall be maintained for a minimum of 7 years unless otherwise specified on the purchase order. These records shall be accessible, upon request, to DRS-CCI Bridgeport, DRS-CCI Bridgeport customers or to regulatory and statutory authorities.

QC105 – Supplier Material Review Board (MRB) Authority: The supplier does not have MRB authority to accept or repair non-conforming product being delivered. Any nonconformances on final deliverable product to the purchase order, drawing, specifications or applicable documents shall be submitted to DRS-CCI Bridgeport for approval prior to shipment.

QC106 – Shelf Life: No materials with a limited shelf-life shall be shipped against a DRS-CCI Bridgeport purchase order with less than 80% of the full shelf-life as determined by the original manufacturer unless previously approved in writing by DRS-CCI Bridgeport. The expiration dates shall be clearly recorded on the packaging and the shipping documents.



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QC107 – Temperature Sensitive Material: The supplier shall identify each shipment of temperature sensitive material with the manufacture date, storage temperature and recommended shelf life, in addition to the normal identification requirements of Name, Type, Size, Lot Clause and Quantity. Identification and special handling conditions shall be recorded on the shipping document.

QC108 – Test and Analysis Data: The data from any qualification testing, functional testing, analysis test and/or lot acceptance test required for the manufacturing of DRS-CCI Bridgeport parts shall be maintained for a minimum of 7 years and available upon request from the buyer.

QC109 – Not Used

QC110 – Notification Responsibility: The supplier shall inform DRS-CCI Bridgeport immediately when there is a reason to suspect that products previously supplied to DRS-CCI Bridgeport may not be in accordance with the DRS-CCI Bridgeport drawing, specification or purchase order requirement. The supplier shall promptly inform DRS-CCI Bridgeport of any circumstance related to materials, manufacturing, processing methods, design, etc. which may make a product susceptible to premature failure or otherwise place the safe operation of that product at risk. The notification shall describe the nature of the discovered anomaly, its applicability to DRS-CCI Bridgeport part number(s), quantities affected and the probable impact to the proper function/performance of the item supplied. DRS-CCI Bridgeport shall also be immediately notified in writing of any change to the Supplier's Quality Management team responsible for DRS-CCI Bridgeport products, other significant change in the Supplier's organization, change in financial condition, change in location or change in ownership of the Supplier.

QC111 – Control of Lower-Tier Suppliers: The supplier shall flow-down all applicable DRS-CCI Bridgeport purchase order requirements, including, but not limited to: Terms and Conditions, Quality Clauses, FAR and DFARS to Sub-Tiers performing work involving this purchase order.

QC112 – Supplier Corrective Action Request: A supplier Corrective Action shall be forwarded by DRS-CCI Bridgeport to a supplier when corrective action is required. Upon notification of the non-conformance, the supplier shall take immediate containment action and complete the analysis of cause and proposed corrective action within 10 days. Failure to respond in a timely manner may result in the removal of supplier from the Approved Suppliers List. Upon notification of the non-conformance, shipments may be suspended until containment processes are enacted.

QC113 – Certificate of Compliance (Conformance) (C of C): Supplier shall submit with each shipment either on their packing list, or attachments, a Certificate of Conformance or Certificate of Compliance, which shall be dated and bear the signature and title of an authorized supplier's quality representative, stating that the materials



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furnished to DRS-CCI Bridgeport are in conformance with the applicable requirements of the contract, drawings, and specifications and that the supporting documentation is on file and shall be made available to DRS-CCI Bridgeport, DRS-CCI Bridgeport customer, Government Representative, or any other regulatory or statutory agency upon request. Certification must include the following:

- The supplier's full name and address
- DRS-CCI Bridgeport purchase order number
- DRS-CCI Bridgeport part number, revision, and as applicable, serial numbers
- Quantity shipped
- Name of lower-tier supplier and description of service provided (if applicable)
- C of C from any/all lower-tier suppliers (if applicable)
- Authorized signature and date
- Statement of Compliance (Conformance) by the supplier declaring the product or service has met all the requirements of the purchase order including drawings and specifications at the prescribed revision level

An example of an acceptable statement of Certification of Compliance (Conformance) is as follows: This is to certify that all items noted are in conformance with the contract, drawings, specifications and other applicable documentation and that all process certifications, chemical and physical test reports are on file at this facility and are available for review by DRS-CCI Bridgeport.

If the supplier is not the original fabricator, processor, or assembly source of the product(s) which makes up the deliverable end item, the supplier shall obtain and maintain lower-tier supplier/processor Certificates of Conformance (Compliance) documentation on file for a minimum of 7 years. Unless specifically required per purchase order, the Supplier's lower-tier supplier / processor Certificates of Compliance (Conformance) shall be made available to DRS-CCI Bridgeport, DRS-CCI Bridgeport customer, authorized Government Representative, or any other regulatory or statutory agency upon request.

QC114 – Parts Substitution: Part and special process substitutions are not authorized unless DRS-CCI Bridgeport and / or DRS-CCI Bridgeport customers have approved them in writing as evidenced by a formally released DRS-CCI Bridgeport alternate parts document, other document or instruction. Supplier shall notify DRS-CCI Bridgeport of any End of Life, obsolete or Form, Fit, Or Function issues for 10 years beyond the award date of the PO.



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QC115 – Material Safety Data Sheet (MSDS): Global Harmonized System (former MSDS) and label requirements: Each shipment shall contain appropriate hazard and precautionary information using Safety Data Sheets (formerly MSDS) and labels in accordance with the Global Harmonized System.

QC116 – Right of Access: During the performance of this order, DRS-CCI Bridgeport, DRS-CCI Bridgeport customers, and/or a regulatory or statutory agency including Government Representatives, reserve the right to attend, review, and participate in the supplier's quality systems and associated manufacturing processes including inspection and testing of any work related to this contract. DRS-CCI Bridgeport, DRS-CCI Bridgeport customer, and/or regulatory or statutory authorities shall be afforded the right to verify at the supplier's premises (or Supplier's subcontracting premises) that the supplier's product conforms to all specified requirements.

QC117 – Mercury Prohibition: Mercury or mercury containing compounds shall not come in direct contact with any hardware or supplies furnished under this contract.

QC118 – Government Furnished Material / Customer Furnished Material: When applicable, material supplied by DRS-CCI Bridgeport customer(s) and/or the Government to be incorporated into the supplier's finished product shall be inspected upon receipt for evidence of acceptance and be maintained throughout the manufacturing process. Equipment, tools, gauges, etc. supplied by DRS-CCI Bridgeport customer(s) and / or the Government to be used while processing the supplier's finished product shall be inspected upon receipt for evidence of acceptance, calibration, and maintained throughout the manufacturing process.

QC119 – Specifications: Specification revision level in effect at time of PO placement applies, unless otherwise specified.

QC120 – Foreign Object Damage (and Debris) Elimination (FOD): The material supplied on this purchase order shall be manufactured in an environment that is free of foreign objects. The supplier's program shall utilize effective FOD prevention practices. The program shall be proportional to the sensitivity of the product design to FOD, as well as the FOD generating potential of the manufacturing method(s) used.

The supplier's program shall include FOD prevention practices in packaging and packaging containers. Foreign objects can include staples used for closure of unit packaging, foam "peanuts" used for cushioning and Styrofoam (can break down and particulate clings to parts) used for cushioning. In general, no packaging material shall be used that will leave any residue from the packaging material on the parts as a result of packing/packaging or unpacking/unpackaging the product.

The written policies or procedures developed by the supplier shall be subject to review upon the request by DRS-CCI Bridgeport or DRS-CCI Bridgeport customers.



QC121 – First Article Inspection: A first article inspection in accordance with AS9102 or a DRS-CCI Bridgeport approved process is required for this purchase order if one of the following apply:

- First time submission (part or new supplier)
- Revision change affecting form, fit, or function
- A process change used to manufacture the part
- Change in manufacturing location (facility)
- 24 months or longer have passed since the supplier last produced part
- As requested by DRS-CCI Bridgeport

All first article inspections performed by the seller shall be accompanied with a First Article Inspection Report (FAIR) and all other approved documentation showing conformance to the contract, purchase order, drawing, or performance requirements specified by DRS-CCI Bridgeport. Note: This clause does not apply to COTS items.

7.3 DRS-CCI Bridgeport Commodity Specific Supplier Quality Clauses:

QC201 – Solderability: All parts that require soldering shall meet industry standards for hand and machine soldering. The supplier shall ensure compliance to IPC/EIA J-STD-002 Solderability Tests for Component Leads. Components that require tinning shall be tested and certified to IPC/EIA J-STD-002 section 4.3.1 test "E" for leaded components, 4.3.2 test "F" for leadless components and IPC/EIA J-STD-013 Implementation of Ball Grid Array and Other High Density Technology Outlines for ball grid arrays. The supplier shall retain all records of assembly and inspections/tests verifying compliance and shall make these records available upon request for a period of 7 years following the last delivery on this PO. Reference QC206.

QC202 – Printed Circuit Boards (PCB): PCBs will comply with IPC-A-600 Acceptability of Printed Boards unless otherwise specified. Reference QC206.

Note: The supplier shall default to Class 3 requirements if the class is not otherwise specified on the PO or other DRS-CCI Bridgeport supplied documentation.

Note: This clause does not apply to COTS items.

QC203 – Circuit Card Assemblies (CCA): CCAs will comply with IPC-A-610 Acceptability of Electronic Assemblies, unless otherwise specified. CCAs will comply with IPC-J-STD-001 Requirements for Soldered Electrical and Electronic Assemblies unless otherwise specified. Reference QC206.



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Note: The supplier shall default to Class 3 requirements if the class is not otherwise specified on the PO or other buyer supplied documents.

Note: This clause does not apply to COTS items.

QC204 – Wiring Harness: Cables and wiring harnesses shall comply with IPC/WHMA-A-620 unless otherwise specified. Cables and wiring harnesses must be 100% electrically tested per IPC/WHMA-A-620. Reference QC 206.

Note: The supplier shall default to IPC/WHMA-A-620 Class 3 requirements if the class is not otherwise specified on the PO or other buyer supplied documents.

Note: This clause does not apply to COTS items.

QC205 – Rework / Repair* of Circuit Card Assemblies: Rework shall be in accordance with IPC-7711/7721 Rework, Modification and Repair of Electronic Assemblies.

*Only after first obtaining written approval for a repair proposal from DRS-CCI Bridgeport, repair shall be in accordance with IPC-7711/7721 Rework, Modification and Repair of Electronic Assemblies. Important reference: QC105

QC206 – Moisture Sensitive Components: The supplier shall ensure packaging and handling of all moisture sensitive components, as classified by, and in accordance with IPC/JEDEC J-STD-033 Standard for Handling, Packing, Shipping, and Use of Moisture/Re-flow Sensitive Surface Mount Devices and IPC/JEDEC J-STD-020 Moisture/Reflow Sensitivity Classification for Nonhermetic Solid State Surface Mount Devices or other documented procedure.

QC207 – Electrostatic Discharge Control (ESD): All electrostatic discharge sensitive devices shall be packaged, marked and handled in compliance with ANSI/ESD S20.20 Protection of Electrical and Electronic Parts, Assemblies and Equipment (Excluding Electrically Initiated Explosive Devices), or equivalent.

QC208 – Magnetic Core Packaging Requirement: Magnetic Cores shall be bagged/boxed in a manner to prevent contact with each other.

QC209 – Broker part: If the required items cannot be procured from Original Equipment Manufacturer (OEM) or OEM's authorized distributors, use of product without appropriate traceability documentation from supplier (Independent distributors, brokers or other sources) is only authorized when specifically approved in writing by DRS-CCI Bridgeport in advance. The supplier shall present a complete test plan for each part being procured in compliance with AS6081 or CCAP101 counterfeit electronic part avoidance programs. The test plan shall ensure the parts thus procured are functional and legitimate parts. This test plan shall be approved by DRS-CCI Bridgeport and referenced on subject



Purchase Order. Test results shall be maintained by supplier and presented to DRS-CCI Bridgeport upon request. Supplier must be AS6081 or CCAP101 certified by an independent registrar. Reference: QC102.

QC210 – Certification of Special Processes: If drawings and/or specifications listed in this purchase order require special processes at the supplier's facility or the supplier's sub-tier facility, these processes shall be documented, reviewed and approved by DRS-CCI Bridgeport prior to production. Approval of special processes by DRS-CCI Bridgeport does not absolve the supplier from supplying conforming product.

These processes include, but are not limited to, the following: Bonding, brazing, casting, chemical surface treatments, composites, conformal coating, contamination control, destructive physical analysis (DPA), dye penetration inspection, forging, heat treating of metals, painting, plating, pressure testing, magnetic particle inspections, radiographic inspection, soldering, ultrasonic inspection, welding, or any other process defined in the purchase order.

7.4 DRS-CCI Bridgeport Item Specific Supplier Quality Clauses:

QC300 – Chemical and Physical Test Reports: The supplier furnishing components or assemblies to DRS-CCI Bridgeport shall maintain a complete set of results of all chemical and/or physical test reports (i.e. chemical analysis, tensile test, etc.). The supplier shall retain any other reports necessary to substantiate that all material used in the manufacture of components or assemblies, whether purchased by the supplier or of supplier manufacture, meet the requirements and/or specifications.

QC301 – Certificate of Analysis (C of A): A Certificate of Analysis shall accompany all materials supplied to this purchase order. The C of A will include:

- Manufacturer's name
- Country of origin/melting/smelting
- Specification number
- Material grade
- Material condition
- Size
- Heat lot
- Date code
- Chemical analysis



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- Physical properties applicable to the procured material

QC302 – Certificate of Test (C of T): All parts supplied to this purchase order shall be accompanied by a C of T. The C of T will be dated and signed by the responsible company representative certifying the supplied parts meet all purchase order, specification, and drawing requirements from the buyer. Certifications must include the following:

- DRS-CCI Bridgeport PO Number
- DRS-CCI Bridgeport Part Number, Revision, Serial Numbers and Date/Lot Codes where applicable
- Quantity Shipped
- Name of approved lower-tier supplier and descriptions of service provided (if applicable)
- Authorized signature and date
- Test Results
- Name and Address of the tester or independent laboratory
- Date and run time if applicable

QC303 – Unique Identification (UID) marking requirements: Unique Identification (UID) marking on labels, decals or metal plates shall be per MIL-STD-130M. The UID marking shall have a minimum Grade of B when verified per ISO/IEC 15415. Sampling of the verification of the UID marking requirements shall be per ANSI/ASQC Z1.4 using General Inspection Level II and Single Sampling Plans for Reduced Inspection at an AQL of 1.0. The first and last UID marking on labels, decals or metal plates of the lot shall be part of the samples that are verified.

Deliverable: A Certificate of Conformance stating that the labels, decals or metal plates were manufactured in accordance with MIL-STD-130M and verified per ISO/IEC 15415. The Certificate of Conformance shall also state the Grade that was achieved when verified per ISO/IEC 15415. A legible and reproducible copy of the verification that was performed on the labels, decals or metal plates of the sample shall be included with each shipment.

QC304 – Not Used

QC305 – Key Characteristic flow down: DRS-CCI Bridgeport shall provide and identify Key Characteristics (KC) which the supplier must control. The supplier shall collect and record KC data on a DRS-CCI Bridgeport approved control plan. DRS-CCI



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Bridgeport may also identify process parameters as Key Process Inputs (KPI). When denoted, KPIs shall be controlled accordingly. If key characteristics have not been provided, the supplier must evaluate for them. All parts, including first articles, required to be manufactured to this KC flow down requirement shall be represented on a control plan, or equivalent, with the KC block completed prior to going into production. The information on this form, or equivalent documentation, is auditable and must be revised as necessary. The supplier shall collect and analyze appropriate information and data to determine KCs. DRS-CCI Bridgeport will supply an engineering specification (engineering requirements such as KPI parameters or dimensional specifications) and key characteristics identified by either DRS-CCI Bridgeport or DRS-CCI Bridgeport customer must be recorded on the control or manufacturing plan (or equivalent). The process step, control chart used, sample size, and sampling frequency shall be recorded on the control or manufacturing plan (or equivalent). Each KPI parameter and the control methods used to monitor it shall be recorded on the control or manufacturing plan (or equivalent). The Supplier must continuously monitor KCs.

QC306 – Non-Deliverable Software Requirements: The supplier shall plan, develop and implement those practices and procedures that are necessary to assure compliance with the following requirements for hardware designed, tested, supported or operated by software. Supplier shall provide controls to ensure that different software program versions are accurately identified and documented that no unauthorized modifications are made, and that all approved modifications are properly incorporated, and that software used for testing is the proper version. Supplier shall ensure that support software and computer hardware to be used to develop and test software or hardware under the procurement agreement are acceptable to DRS-CCI Bridgeport. Supplier shall establish a baseline of procured or developed software by performing validation tests that include demonstration of pass/fail criteria. DRS-CCI Bridgeport reserves the right to observe all validation tests and shall be notified at least three (3) days in advance of the start of testing.

QC307 – Tailored Software Quality Assurance Program Requirements for MIL-S-52779A: The supplier's software quality system shall conform to the requirements of MIL-S-52779A and is subject to review and approval at all times by DRS-CCI Bridgeport.

QC308 – Fastener Quality Requirements: The supplier shall have a system which controls threaded steel fasteners Grade 5 and higher as defined in SAE-J429 and metric fasteners with strength designations of 8.8 and higher as defined by SAE-J1199, or DIN standards with equivalent strength designations.

QC309 – ITAR: U.S. STATE DEPARTMENT EXPORT LICENSE REQUIRED FOR DISTRIBUTION TO FOREIGN DESTINATIONS OR FOREIGN PERSONS, WHEREVER LOCATED. This document contains Technical Data controlled under the US International Traffic in Arms Regulations (ITAR), 22 CFR 120-130, and shall not be exported or transferred to any Foreign Person, foreign country or foreign entity, by any means, without prior written approval from the U.S. Department of State, Directorate of Defense



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Trade Controls (“DDTC”) and DRS Technologies, Inc.

QC310 – DRS-CCI Bridgeport Assigned Serial Numbers: The supplier’s end items shall be identified with DRS-CCI Bridgeport or DRS-CCI Bridgeport customer’s serial numbers, as defined in the applicable contract and drawing requirements. Serial numbers shall provide an audit trail to all material, fabrication, assembly, inspection, and test documents.

QC311 – Supplier Assigned Serial Numbers: The supplier shall assign serial numbers to all delivered items. Serial numbers shall not be duplicated and shall provide an audit trail to all material, fabrication, assembly, inspection, and test documents.

QC312 – Lot Traceability: Materials used shall be traceable to records of acceptance and identified by applicable lot number, date code, material type, specification, and applicable lot number. Parts fabricated by the supplier shall be identifiable to the lot of material used. Traceability records shall be available for review upon receipt.

QC313 – As-Built List (ABL): The supplier shall track and record the as-built configuration by serial number including serialized lower level subassemblies. An ABL including the part number, serial number, completion date and ship to location shall be provided with the shipment.

QC314 – Requirement for 100% Inspection by the Supplier: The supplier shall perform 100% inspection of all items to ensure conformance to drawing and specification requirements. Evidence of such inspections shall be on file and available for review by DRS-CCI Bridgeport SQA.

QC315 – Special Instructions: Special instructions/requirements are applicable to this order. They are either described in the context of the purchase order or on an attachment to the purchase order. If an attachment is not enclosed stating the special instructions, please contact the cognizant buyer at DRS-CCI Bridgeport.

QC316 – RoHS Compliance: The supplier shall have a program in place to assure that goods and/or special processes provided under this purchase order are RoHS compliant.

QC317 – REACH Compliance: The supplier shall have a program in place to assure that goods and/or special processes provided under this purchase order are REACH compliant.

QC318 – Personnel and Equipment Certifications: The supplier shall ensure that all personnel performing special processes such as welding, soldering, and non-destructive testing are certified to perform the special process in accordance with the requirements of this PO, and any specifications referenced directly or indirectly therein. The supplier shall ensure the associated equipment used for these processes is certified as appropriate.



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QC319 – Qualified Products List (QPL): Where controlling government specifications referenced on this PO specify qualification and require that the manufacturer be listed on the Government's QPL, the supplier shall provide and certify to DRS-CCI Bridgeport on a Certificate of Conformance or Compliance that the referenced parts being supplied are, or have been produced by, a qualified manufacturer listed on the QPL.

QC320 – Flow Plan for Manufacturing, Inspection and Test: The supplier shall provide a flow plan (any format; diagram, traveler, etc.) which documents the sequence, location, and description of manufacturing processes, inspections, and tests. The Flow Plan shall be submitted for DRS-CCI Bridgeport approval within thirty (30) days prior to use.

QC321 – Deliverable Data – Non-Destructive Test (NDT) Report: The supplier shall provide a copy of NDT reports (radiographic, ultrasonic, penetrant, etc.) for each item, authorized by a representative of the Supplier's quality function, with each shipment.

QC322 – Deliverable Data – Dimensions: The supplier shall provide a final inspection report of dimensions for each item, in supplier's format and authorized by a representative of the supplier's quality function, with each shipment.

QC323 – Acceptance Test Procedure (ATP): The supplier shall generate an ATP for final acceptance testing. The ATP shall include equipment lists, equipment calibration status, test procedure and data sheets necessary to verify the functional requirements, weight, and outline dimensions required by the equipment specification. This ATP and any subsequent changes shall be submitted for approval within thirty (30) days prior to testing deliverable end items.

QC324 – Deliverable Data – Acceptance Test Procedure (ATP): The supplier shall provide final complete detailed ATP data for each item, in Supplier's format and authorized by a representative of the Supplier's quality function, with each shipment.

QC325 – Test / Inspection Report Data: When specified on the drawing or specification, test/inspection report data sheets are required with the product shipped. The data shall include the actual measured value and be traceable to the product lot code or serial number.

Test/Inspection records shall be retained by the seller for a minimum of seven (7) years, or longer if indicated in the Purchase Order. These records shall be available upon request to DRS-CCI Bridgeport or to DRS-CCI Bridgeport customer(s). Supplier must notify Buyer before destruction of quality records. As an alternative to the retention requirement, the supplier may submit test/inspection records with the shipment. Test report shall be signed (including title) by the supplier's authorized representative.

All records submitted are subject to DRS-CCI Bridgeport review and approval prior to acceptance.



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QC326 – Source Inspection at Seller’s Facility: Parts and materials supplied to this purchase order require source inspection by DRS-CCI Bridgeport or government representative prior to shipment. This requirement shall not be bypassed without written authorization from the DRS-CCI Bridgeport buyer. The supplier shall notify DRS-CCI Bridgeport) at least ten (10) days in advance of the date material is expected to be ready for inspection. Mandatory Hold Points (MHP) may be required. DRS-CCI Bridgeport may designate MHP defining operations in the supplier’s manufacturing and/or inspection sequence that are required to be witnessed by DRS-CCI Bridgeport or DRS-CCI Bridgeport customer(s) prior to completion by the Supplier. This activity shall be performed in such a manner to not disrupt normal processing and shall be conducted on a non-interference basis. Supplier shall, without additional charge, provide a safe place to work and reasonable facilities and assistance for the convenience of DRS-CCI Bridgeport or DRS-CCI Bridgeport customer(s) in the performance of their duties. If DRS-CCI Bridgeport or DRS-CCI Bridgeport customer(s) inspection or test is made at a point other than the premises of supplier or a subcontractor, it shall be at the expense of DRS-CCI Bridgeport except as otherwise noted in the Purchase Order. In case of rejection, DRS-CCI Bridgeport shall not be liable for any reduction in value of samples used in connection with such inspection or test.

QC327 – Government Source Inspection (GSI): If specified in the PO, Government Source and / or Process Inspection (GSI) shall be required prior to shipment from supplier’s facility. Upon receipt of this order, promptly notify and provide a copy of this purchase order to the Government Representative who normally services the facility so that appropriate planning for Government inspection can be accomplished. In the event the representative cannot be located, Supplier shall contact the DRS-CCI Bridgeport purchasing representative.

Unless otherwise agreed to in writing, the supplier shall provide the Government Representative with:

A.) Ten (10) working days advance notification of readiness for performance or witnessing of government designated inspections or tests.

B.) All applicable documents requested and reasonable conditions for conducting or witnessing the inspection or test.

QC328 – No Changes Without Approval: Except for first time purchases, items furnished under this PO shall be identical in fit, form and function to a product previously approved by the DRS-CCI Bridgeport purchasing representative. The seller shall notify the cognizant DRS-CCI Bridgeport purchasing representative of any proposed changes including changes in design, materials, parts, fabrication methods or processes, major plant rearrangement, or plant relocation and changes that could impact fit, form and/or function. Prior to fulfilling a DRS-CCI Bridgeport PO, DRS-CCI Bridgeport must approve any/all changes with notification provided to the seller by the cognizant purchasing representative. Reference QC121.



DRS-CCI Bridgeport

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8. REFERENCE DOCUMENTS

N/A