

| | | | |
|----------------|---|----------------------------------|--------------------|
| Type : | Quality | Procédure / Procedure No.: | Q-023CLR |
| Titre / Title: | Flow Down of Additional Requirements | Date d'émission / Issued Date: | 02-07-2012 |
| | | Date de révision / Revised Date: | 2 Sept 2021 |

1. PURPOSE

This procedure provides method for flowing down RTI Claro and customer requirements to suppliers.

2. SCOPE

Purchase orders issued to RTI Claro suppliers as required.

3. REFERENCES

3.1. RTI Claro

Form_Q-108.1D-CLR Supplier Non-Conforming Report

3.2. Bell Helicopter

SQRM-001 Supplier Quality Requirements Manual
 299-100-837 Approved Metallic Materials Source List

3.3. Boeing

D6-85622 Foreign Object Debris/Foreign Object Damage (FOD) Prevention Requirements for Boeing Suppliers
 X31764 Quality Purchasing Data Requirements (BCA)
 D6-82479 Boeing Quality Management System Requirements for Suppliers
 D1-4426 Approved Process Sources (website)

3.4. Bombardier

QD 4.6-40 Requirements for Suppliers
 BAEMM-001 Engineering Material Manual

3.5. Others

AS 9146 Foreign Object Damage Prevention Program
 DFAR Defense Federal Acquisition Regulation (website)
 AS 9138 Statistical Product Acceptance Requirements
 AS 9145 Planning and Production Part Approval Process

| | | | |
|----------------|---|----------------------------------|--------------------|
| Type : | Quality | Procédure / Procedure No.: | Q-023CLR |
| Titre / Title: | Flow Down of Additional Requirements | Date d'émission / Issued Date: | 02-07-2012 |
| | | Date de révision / Revised Date: | 2 Sept 2021 |

4. DEFINITIONS AND ACRONYMS

Not applicable.

5. RESPONSIBILITY

- 5.1. The Quality system requirements for the supplier can specify applicable code for supplier per appendix below.
- 5.2. The purchasing department is responsible for the flow down of RTI or customer requirements defined by this procedure. At the time of issuance of the purchase order the applicable codes and descriptions shall be added as required.
- 5.3. By accepting the purchase order, the supplier/contractor shall also be indicating that they accept all identified flow downs.
- 5.4. The supplier is responsible for meeting the Quality Management System requirements identified by purchase order. The supplier shall also be responsible for meeting additional requirements identified by code on the purchase order.

6. FLOWDOWN

6.1. Characteristic Flow down

Where a critical characteristic is to be flow down to a Subcontractor, the characteristic shall be documented on the Purchase Order or Condition of Supply. A complete description of the characteristic and what is expected from the subcontractor shall be detailed.

6.2. System Flow downs

Additional requirement can be flow down using following codes on the Purchase Order to ensure that specific requirement is met.

6.3. Responsibility

Purchasing department will be responsible for the administration of this procedure.

7. CODES

The "Supplier Requirements Matrix" details codes, which may be flow down to supplier.

| | | | |
|----------------|---|----------------------------------|--------------------|
| Type : | Quality | Procédure / Procedure No.: | Q-023CLR |
| Titre / Title: | Flow Down of Additional Requirements | Date d'émission / Issued Date: | 02-07-2012 |
| | | Date de révision / Revised Date: | 2 Sept 2021 |

RTI CLARO INC. - SUPPLIER REQUIREMENTS MATRIX

| CODE | REQUIREMENT |
|------|--|
| 01 | <p>General Quality Requirements for Supplier: When Code 01 is called out on PO, the following requirements apply:</p> <p>A. The supplier is responsible for meeting all requirements of specifications, drawings, and other purchase order instructions relating to the following:</p> <ul style="list-style-type: none"> • Requirements for approval of process / product. • Personnel qualifications. • When using sampling plan for inspection, the sampling plan shall meet all requirements of SAE AS 9138. However, sampling plan is not authorised for any critical characteristic defined per drawing. <p>B. Any supplier involved in the Chemical Process, Non Destructive Testing or Surface Enhancement (shot peen) must be NADCAP certified for the appropriate scope of process done.</p> <p>C. Supplier involved into manufacturing of:</p> <ul style="list-style-type: none"> • An aerospace component part shall perform a First Article Inspection (FAI) in accordance with the latest revision of AS 9102 and shall provide copy to RTI Claro Quality assurance for approval prior to certify (C of C required) and ship parts to RTI Claro. • A fixturing component named class 1 on PO shall provide an inspection report including 2D bubbled drawing for approval prior to certify product (C of C required) and ship parts to RTI Claro. • A fixturing component named class 2 on PO shall provide only a C of C with parts delivered to RTI Claro. <p>D. The supplier shall notify RTI Claro of change:</p> <p>In its organization that may affect the products supplied or the quality system processes. Such changes include but are not limited to: change of manufacturing process, change of address location, change in ownership, change of company name, change of quality manager, change in quality system registration, change of approved suppliers, etc. Written notification of changes shall be sent to RTI Claro procurement representative including the impact of applicable change. When required DFAI requirement will apply.</p> <p>E. In the event that during the PO review the supplier determines that the requirements of the PO cannot be met, the supplier must:</p> <ul style="list-style-type: none"> • Notify RTI of the situation, and • Prior to processing obtain, in writing, a revised PO or detail instructions. <p>F. The supplier shall allow right of access to RTI, its customers, and all appropriate regulatory or governmental authorities. They shall have the right to enter supplier's facility at reasonable times to inspect the facility, goods, materials, applicable records, and any property of Purchaser covered by this order.</p> <p>G. All requirements of a PO received by a supplier from RTI Claro must be flowed down to any sub-tier supplier.</p> |

See next page

| | | | |
|----------------|---|----------------------------------|--------------------|
| Type : | Quality | Procédure / Procedure No.: | Q-023CLR |
| Titre / Title: | Flow Down of Additional Requirements | Date d'émission / Issued Date: | 02-07-2012 |
| | | Date de révision / Revised Date: | 2 Sept 2021 |

| CODE | REQUIREMENT |
|---------------|---|
| 01 | <p>H. The shipping documentation of any supplier shall contain the following:</p> <ul style="list-style-type: none"> • A signed or stamped and dated Certificate of Conformity (C of C) statement on the packing sheet certifying its Quality Assurance department has inspected the articles and they adhere to all contract requirements, applicable drawings, and/or specifications. • When applicable, refer to a non-conformance/rejection tag number on C of C. • When applicable, include the nonconforming tag with the articles shipped. <p>I. Unless otherwise specified, all documentation shall be maintained for a minimum of (thirty) 30 years by the supplier or sub-tier supplier. Supplier procedure shall include what production records, test records and test samples are kept, and where the records and test samples are stored for final retention.</p> <p>J. The supplier shall notify RTI of any nonconforming material. For any nonconforming product or process, supplier must obtain, in writing, approval to ship the nonconforming product to RTI Claro.</p> <p>K. If at any time the supplier detects a process violation, purchase order noncompliance, or part non-conformance, RTI Claro shall be informed as soon as practicable. Nonconforming material or parts shall be segregated and tagged as nonconforming. Tags shall indicate the nature of the non-conformance. Root cause & corrective action shall be determined and submitted within 10 working days of detection of the non-conformance unless otherwise agreed upon by RTI Quality Assurance. Non-conformance shall be submitted to RTI Quality Assurance on form: "Form_Q-108.1D-CLR" for disposition prior to release for shipment at HowmetLavalMachiningNCR@howmet.com</p> <p>L. The supplier is required to establish and maintain a FOD prevention program in compliance with AS 9146.</p> <p>M. If DPD/MBD (Model Base Definition) is called out by purchase order or referring document, the supplier must be DPD/MBD approved by RTI Claro or have 2D drawing review and approved by RTI Claro.</p> <p>N. Supplier purchasing raw material, for Boeing D6-82479 or Bell Helicopter (SQRM-001) program shall periodically validate test reports for raw material accepted based on test reports. That validation test shall be accomplished by the supplier, the sub-tier supplier or an independent party through periodic, scheduled tests of raw material samples. Schedules for frequency of tests will be established by supplier based on historical performance of the raw material supplier.</p> <p>When supplier utilizes test reports to accept raw material purchased from sub-tier, the following requirements apply. The supplier shall:</p> <ul style="list-style-type: none"> • Review/verify test reports at 100% against applicable requirements of material specifications, • Perform validation test periodically, • Record results of test reports and of validation test results as quality record. |
| See next page | |

*

| | | | |
|----------------|---|----------------------------------|--------------------|
| Type : | Quality | Procédure / Procedure No.: | Q-023CLR |
| Titre / Title: | Flow Down of Additional Requirements | Date d'émission / Issued Date: | 02-07-2012 |
| | | Date de révision / Revised Date: | 2 Sept 2021 |

| CODE | REQUIREMENT |
|---------------|---|
| 01 | <p>O. Metallic wrought materials such as Plate, Bar, & Tubing that are (procured under Industry, Military, or Federal specifications) used in the manufacture of BELL Helicopter designed Primary, Critical, Flight Safety, or Critical Safety Items (CSI) parts shall be procured from sources approved Bell helicopter per document # 299-100-837.</p> <p>Metallic material (Aluminum, Titanium, etc.) bought for a BELL Helicopter parts shall be melted in the United States or in Country qualified per DFAR clause '225.872-1'. Refer to clause 39 of Bell Helicopter contract and the following link.</p> <p>Note: The supplier shall insert the substance of this clause in all applicable subcontracts. Refer to: http://www.acq.osd.mil/dpap/dars/dfars/html/current/225_8.htm#BM225_8.</p> <p>P. SOURCE OF SUPPLY FOR BOMBARDIER PROGRAM:</p> <p>Bombardier <u>Quality requirements for Suppliers as per QD 4.6-40</u> apply for all parts manufactured, and Raw materials shall be purchased only from manufacturers listed in the Bombardier Approved Supplier Listing on the Internet and must comply with the requirements of the BAEMM-001. Raw material manufacturers are subject to further control under BAEMM-001 or other engineering documentation.</p> <p>Q. SUPPLIER APPROVED TO PROCESS BOEING PARTS:</p> <p>Refer to Boeing web site and D1-4426 Approved Sources requirements. In accordance with Federal Regulations and other customer requirements, D1-4426 approval is required for those processes and raw materials listed.</p> <p>R. SHOT PEENING</p> <p>When shot peening operation is required on purchase order parts shall be cleaned after shot peening by supplier unless otherwise noted on RTI Claro purchase order / condition of supply. The cleaning operations must be performed per shot peening specification specified on purchase order / drawing. If cleaning operation cannot be performed, supplier shall advise RTI Claro purchasing agent.</p> <p>S. PREVENTION OF COUNTERFEIT PARTS</p> <p>Supplier shall mitigate the risks associated with any counterfeit material. The supplier shall plan, implement and control the product for prevention of counterfeit or suspect counterfeit part used and any possible inclusion in product(s) to be delivered and certified to RTI Claro per AS9100 requirements.</p> <p>T. Supplier shall comply with AS/EN/JISQ 9100 requirements and with X31764 document for Boeing product regarding the using of the Acceptance Authority media (Stamp Control Process). The supplier's Quality system shall establish and document the controls for the stamps or electronic passwords (if used).</p> <p>U. For Boeing product, supplier shall ensure compliance with X38656 document and to AS 9145 requirements for <i>Advance Product Quality Planning (APQP)</i> and <i>Production Part Approval Process (PPAP)</i>. Seller shall flow-down to its Supply Chain the applicable provisions/requirements of AS 9145 that are needed to assure overall compliance to Boeing requirements and expectations.</p> |
| See next page | |

| | | | |
|----------------|---|----------------------------------|--------------------|
| Type : | Quality | Procédure / Procedure No.: | Q-023CLR |
| Titre / Title: | Flow Down of Additional Requirements | Date d'émission / Issued Date: | 02-07-2012 |
| | | Date de révision / Revised Date: | 2 Sept 2021 |

| CODE | REQUIREMENT |
|------|--|
| 01 | <p>V. AWARENESS Supplier shall ensure that personnel are aware of their contribution to product or service conformity, their contribution to product safety and the importance of ethical behavior”.</p> <p>W. COUNTERFEIT PARTS The supplier shall plan, implement and control its processes or product for the prevention of counterfeit part or suspect counterfeit part used in any product(s) to be delivered to RTI Claro. Supplier shall:</p> <ul style="list-style-type: none"> • Immediately notify RTI Claro if it becomes aware that it has furnished (or suspects) a Counterfeit Part. • Provide all documentation/information that authenticates traceability of the affected items to the applicable OEM when specifically requested by RTI Claro. • Include counterfeit requirements from section U of this document (or equivalent) in its sub Orders. <p>X. SPECIFICATION / STANDARD Supplier must use revision of specifications / standards specified on purchase order / drawing or use last the revision if not specified. When a required revision of specification is missing, supplier must request to get the revision level missing prior to perform any work. This include but limited to supplier involved in machining, chemical processing, process control tests, calibration services, materials, equipment, cleaning/etching, and NDT inspection.</p> <p>Y. OZONE DELETION SUBSTANCE Ozone-depleting substance means any substance the Environmental Protection Agency designates in 40 CFR Part 82 as:</p> <ol style="list-style-type: none"> 1) Class I: including, but not limited to, chlorofluorocarbons, halons, carbon tetrachloride, and methyl chloroform; or 2) Class II: including, but not limited to hydrochlorofluorocarbons. <p>Supplier or any sub-supplier shall label shipping or storage containers of ozone depleting substance and products that contain or are manufactured with ozone depleting substances in the manner and to the extent required by 42 U.S.C. 7671j (b), (c), and (d) and 40 CFR Part 82, Subpart E, as applicable:</p> <p>Warning Contains * _____, a substance(s) which harm(s) public health and environment by destroying ozone in the upper atmosphere.</p> <p>Warning Manufactured with * _____, a substance(s) which harm(s) public health and environment by destroying ozone in the upper atmosphere.</p> <p>* Seller shall insert the name of the relevant substance(s) when required.</p> |

See next page

| | | | |
|----------------|---|----------------------------------|--------------------|
| Type : | Quality | Procédure / Procedure No.: | Q-023CLR |
| Titre / Title: | Flow Down of Additional Requirements | Date d'émission / Issued Date: | 02-07-2012 |
| | | Date de révision / Revised Date: | 2 Sept 2021 |

| CODE | REQUIREMENT |
|------|--|
| | <p>Boeing requires that the provisions/requirements set forth above be included in Seller's direct supply contracts as well as the obligation that they be flowed to the sub-tier supply chain. For the purpose of this note Supply Chain shall mean Seller's direct and indirect suppliers performing value-added activity on the products and services. It focuses on direct and lower-tier suppliers. Refer to Boeing note T88.</p> <p>Z. DENTIFICATION</p> <p>Unless otherwise specified (MEPS, COS, etc.) the identification of a finished (turnkey) part should be done using the following method:</p> <ul style="list-style-type: none"> Parts must be identified, by supplier, using drawing referenced in RTI Claro purchase order. The batch number identification will consist of <u>maximum 10 digits</u>. The batch number identification must be unique to each batch of a particular part number. The first 5 digits of the batch number are the last 5 digits of the Vendor No. This number is located on the purchase order (See in red below). The last 5 digits of the batch number identification are an alpha or numeric combination of supplier choice. <p>Should you need information regarding the batch number please contact the purchasing agent issuing the order.</p> <p>See below 2 examples of acceptable batch number identification:</p> <p>Ex. 1: <u>17881</u>AB251 or ex. 2: <u>17881</u>40251 Vendor No. Supplier choice Vendor No. Supplier choice</p> <div style="border: 1px solid black; padding: 10px; margin-top: 20px;"> <p>A subsidiary of Arconic Arconic Titanium & Engineered Products Laval, Machining & Integrated Structures Operations 5515 Ernest Cormier Laval, QC H7C 2S9 Page 1 of 4</p> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>STROCO MANUFACTURING INC. 628 LAMBERT POINTE DRIVE HAZELWOOD MO 63042 USA</p> </div> <div style="width: 45%; border: 1px solid gray; padding: 5px;"> <p style="text-align: center;">Purchase Order</p> <p>PO Number: 9000016054 Date 26.01.2017</p> <p>Contact Person: Alberto Stagnaro</p> <p>Telephone: 450-786-2001 Fax: 450-661-6844</p> <p>Email: Alberto.Stagnaro@Arconic.com</p> <p>Our VAT Registration No. GST/TPS: 100992783</p> <p>Your Person Responsible Jenna Dailey</p> </div> </div> <p>Your Vendor No. with us: 117881 ↙</p> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>Please deliver to: RTI Claro 5515 Ernest Cormier LAVAL QC H7C 2S9</p> </div> <div style="width: 45%;"> <p>Please bill to: 5515 Ernest Cormier Laval, QC H7C2S9 Attn: Accounts Payable</p> </div> </div> </div> |

| | | | |
|----------------|---|----------------------------------|--------------------|
| Type : | Quality | Procédure / Procedure No.: | Q-023CLR |
| Titre / Title: | Flow Down of Additional Requirements | Date d'émission / Issued Date: | 02-07-2012 |
| | | Date de révision / Revised Date: | 2 Sept 2021 |

| CODE | REQUIREMENT |
|-----------|---|
| 02 | <p><u>100% Dimensional Inspection</u>: When Code 02 is called out on PO, a 100% dimensional inspection is required. => No sampling plan allowed.</p> |
| 03 | <p><u>Source Inspection</u>: When Code 03 is called out on PO, the following requirements apply:</p> <p>RTI Claro source inspection is required on this purchase order. Contact RTI Claro five (5) working days prior to performing services as required by the purchase order to arrange the source inspection/witness.</p> |

| | | | |
|----------------|---|----------------------------------|--------------------|
| Type : | Quality | Procédure / Procedure No.: | Q-023CLR |
| Titre / Title: | Flow Down of Additional Requirements | Date d'émission / Issued Date: | 02-07-2012 |
| | | Date de révision / Revised Date: | 2 Sept 2021 |

APPROVED BY:

APPROVED

By Michel Robinette at 2:29 pm, Oct 07, 2021

Directeur Assurance Qualité
Quality Assurance Manager

Date

APPROVED

By Richard Leboeuf at 12:07 pm, Oct 12, 2021

Directeur des Opérations
Operations Director

Date

| | | | |
|----------------|---|----------------------------------|--------------------|
| Type : | Quality | Procédure / Procedure No.: | Q-023CLR |
| Titre / Title: | Flow Down of Additional Requirements | Date d'émission / Issued Date: | 02-07-2012 |
| | | Date de révision / Revised Date: | 2 Sept 2021 |

CHANGES HISTORY:

of previous revisions is available from Quality Assurance department.

This procedure has been revised on **October 7, 2021** by Michel Robinette to:

- Add NDT and shot peen on section 7, code 01, General Quality Requirement B.
- Modify email address on section 7, code 01, General Quality Requirement K.
- Add SPECIFICATION / STANDARD on section 7, code 01, General Quality Requirement X.