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|               |  | <b>SPECIFICATION No.</b> | <b>Q-023-EXT</b>  |
| <b>TITLE:</b> | <b>FLOW DOWN OF CUSTOMER QUALITY SYSTEM REQUIREMENTS</b> | <b>DATE ISSUED:</b>      | <b>11-13-2014</b> |
|               |  | <b>DATE REVISED:</b>     | <b>04-01-2020</b> |

**1. Purpose**

\*To provide a method of flowing RTI Extrusions, Inc. (RTI) and/or customer Quality System requirements to suppliers.

**2. Scope**

\*Purchase orders and conversion releases issued to a supplier may contain a code or codes listing which Quality System Requirements apply to their process or raw material to be supplied to RTI.

**3. Responsibility**

\*Quality Assurance shall be responsible for the flow down of RTI and/or customer system requirements to suppliers and contractors.

At time of purchase requisition approval, the codes and applicable descriptions shall be added to the purchase requisition for transfer to the purchase order or conversion release.

By accepting the purchase order, the supplier/contractor shall also be indicating that they accept all indicated "flow downs".

Purchasing and Quality Assurance will be responsible for the administration of this procedure.

**4. Procedure**

**4.1 Characteristic Flow Down:**

Where a critical characteristic is to be flowed down to a Subcontractor, the characteristic shall be documented on the conversion release/purchase order. A complete description of the characteristic and what is expected from the contractor shall be detailed.

**4.2 System Flow Down**

\*RTI shall flow down Quality System Requirements to the extent necessary to ensure that characteristics not verifiable upon receipt are adequately controlled by the subcontractor. Again this shall be done via the Conversion Release/Purchase Order. Supplier Requirements Matrix is available online at <https://www.howmet.com/bu-supplier-information/> link to be included in purchase orders. The specific section on the website is under "Howmet Structure Systems".

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**5.    Country of Origin**

5.1    \*If requested, supplier shall disclose to RTI, on an annual basis, on a conflict minerals reporting template, if any material contains tin, tantalum, tungsten or gold (“3TGs”) that is necessary to the functionality or production of such material manufactured by you or supplied by you to RTI and to use commercially reasonable efforts to conduct a reasonable country of origin inquiry to determine the country of origin of such 3TGs. Supplier further agrees to provide any additional documentation requested by RTI to ensure compliance with Section 1502 of the Dodd-Frank Wall Street Reform and Consumer Protection Act (the “Act”).

If the supplier identifies that the country of origin of the 3TGs is the Democratic Republic of the Congo or its adjoining countries, Angola, Burundi, Central African Republic, the Republic of the Congo, Rwanda, South Sudan, Tanzania, Uganda, and Zambia, then it shall use commercially reasonable efforts to conduct, and assist RTI in conducting, due diligence on the chain of custody of the source of the 3TGs for the purpose of identifying the smelter of those 3TGs. In addition, supplier agrees to require of its lower tier sellers this same obligation.

5.2    **CODES:**

\*Attachment A, Supplier Requirements Matrix, details the codes, which may be flowed down on the conversion release/purchase order.

\* Denotes change and/or addition

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**Approved by:**

\_\_\_\_\_

Steven Worthen  
*Quality Assurance Manager*

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Date

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Malek Aburas  
*General Manager*

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Date

Electronically signed on Q-Pulse

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**CHANGE HISTORY:**

**Any Changes to this specification, please contact the Local Quality Representative and/or Local Quality Documentation Specialist. All changes will be noted with an asterisk (\*).**

*Critical to Quality (CTQ) points are highlighted in **RED**. Safety requirements are highlighted in **GREEN**.*

This is a newly issued specification dated 11-13-2014 and originated by Lauren Vincent.

**4-28-2015 Originated By: Lauren Vincent**

No procedural changes were made. The code matrix was updated to reflect new requirements that may be flowed down via Purchase Order to suppliers.

**10-28-2015 Originated by: Lauren Vincent**

Section 5.2: Identified the name of the matrix

Supplier Requirements Matrix: Added Code 03 to address control and used of Acceptance Authority Media by suppliers.

Delegation of Approval has been given to Lauren Vincent on behalf of Steven Worthen.

01-08-2016 Originated by: Steve Worthen

Addition of DPAS, Acceptance Authority Media requirements, and ISO 17025 requirements to the code matrix.

03-21-2018 Originated by: Ed Kundrat

Section 4.2: Added matrix location, <https://www.arconic.com/global/en/contact/business-unit-terms-and-conditions.asp>

Attachement A: Code 1, Point 12 added: "Supplier shall ensure that persons are aware of their contribution to product or service conformity, their contribution to product safety, the importance of ethical behavior."

04-01-2020: Originated by Steven Worthen

Sections 1, 2, 3. 4.2, and 5.1: changed name from "Houston Extrusions Operations" to "RTI Extrusions, Inc."

Section 4.2: updated website location to Howmet's site

Section 5.2: editorial change to title of matrix

Editorial revision to Supplier Requirements Matrix to delete reference to Arconic.

Supplier Requirements Matrix: deleted sentence requiring supplier specifications define retention period (this is defined in PS-127-EXT).