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| Document Number: PWI-002 | Document Title: Supplier Quality Requirements |
| Revision: M | Released Date: 11-23-2020 |
| Approved By: Dianela Maya | Signature Approval: See Electronic Approval |

Purchase Order compliance to ZA-Q1030 “Requirement Applicable to Suppliers” is mandatory. PWI-002 reflects Supplier Quality Requirements Specific to Safran Electrical Components USA, Inc. In the event of a conflict between ZA-Q1030 and the PWI-002, the PWI-002 shall be the document of precedence.

Link to ZA-Q-1030 and PWI-002 <https://suppliers.labinal.com/terms/SitePages/SECA.aspx>

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1.0 Revision History

| Revision: | Released Date: | Description of Change | Process Owner: | Approved By: |
|-----------|----------------|--|-----------------|------------------|
| - | 02-23-2011 | Reformat and replaced legacy documentation 200-131-0602 Rev. D. Added section 17 through 24 to reflect current practice | Todd Coletti | Debra Cabrera |
| A | 06-06-2012 | Added sole sourced manufacturer in section 18: Right of Entry Agreement | Chris Taylor | Todd Coletti |
| B | 05-09-2013 | Added section 25.0 Counterfeit Parts Requirement | Gregory Bickham | Todd Coletti |
| C | 06-09-2014 | Section 24 Specialty Metals, DFARS clause reference number change from 252.225-7014 to 252.225-7009 or current release. | Chris Taylor | Todd Coletti |
| D | 03-03-2015 | Variance provision added to DFARS Section 24 Specialty Metals | Chris Taylor | Todd Coletti |
| E | 7-19-2016 | Change ICORE International Inc. to ZIUS Addition of ZA-Q1030 Requirement Various Changes as Identified with Solid Bar in Left Hand Side Column | Chris Taylor | Paul D. Scarfone |
| F | 1-12-2017 | Adding a possible exception authorization process in <u>Section 15: Shelf Life Requirements</u> *Exception: In the event a supplier has an item with less than the required 80% shelf life remaining, the supplier must contact the Buyer for a possible authorization PRIOR to shipping the product. If Buyer authorizes the exception, Buyer will then state the exception approval on the PO item line text which will be the communication and record for Incoming Quality Assurance. Suppliers that do not abide by this requirement are subject to Corrective Action and or other penalties. | Chris Taylor | Harold Julander |
| G | 7-30-2018 | Adding paragraphs to Section 2.0 and Section 22 for AS9100D supplier flow down. | Chris Taylor | Harold Julander |
| H | 9-17-2018 | Updated section 7 Nonconforming Product, adding "Processes and Services" | Chris Taylor | Harold Julander |
| J | 9-25-2018 | Added section 27, Boeing Q31 flowdown. | Chris Taylor | Harold Julander |
| K | 10-18-2018 | Added "Safety Data Sheet" requirement to section 12 "Shipping Documents". | Chris Taylor | Gilbert Leon |
| L | 4-22-2020 | Legal name change from Icore International, Inc. to Safran Electrical Components USA, Inc. and replaced ZIUS with SEC. | Anne-Lise Taine | Dianela Maya |
| M | 11-23-2020 | Updated link for ZA-Q-1030 and PWI-002 from http://www.zodiacaerospace.com/en/zodiac-interconnect-us to https://suppliers.labinal.com/terms/SitePages/SECA.aspx | Anne-Lise Taine | Dianela Maya |

2.0 Purpose

Safran Electrical Components USA, Inc. (SEC) requires defect free product from our suppliers. These quality requirements are established and made available to SEC supplier to assure the suppliers are clear on the requirements of doing business with SEC.

SEC requires all of its suppliers and their employees to know and understand the importance of ethical behavior and that their contributions to the goods, products and or services are directly related to product safety.

3.0 Quality System

At a minimum, suppliers are required to implement and maintain a quality system that adheres to AS9100, ISO 9001 and the following requirements:

4.0 Contract Review

Suppliers are required to review SEC purchase orders to ensure they have the correct documentation to ensure they are making the parts to the revision being ordered. This includes any processing standards referenced on the SEC drawing.

5.0 First Article Inspection Reports (must be provided in English)

First Article (FAI) or Delta First Article Inspections reports are required for first time build or first build against a new revision. A copy of the FAI dimensional report is to be sent with the shipment of parts. The FAI must include confirmed compliance to all notes on the part drawing as well as physical and/or chemical reports when specified. AS9102 shall be used.

6.0 Inspection Requirements

Supplier is required to have an inspection system in place to ensure that product being manufactured or shipped to SEC is 100% compliant. Supplier's product is subject to inspection at SEC.

7.0 Nonconforming Product

Nonconforming product, processes and or services must be identified and immediately segregated from conforming product, processes and services. Supplier must not knowingly ship nonconforming product, processes or services to SEC unless authorized in writing (SEC Authorized Variance form). If so authorized, nonconforming product, processes or services must be tagged as nonconforming and a copy of the Safran Authorized Variance form must be included with the shipment. Failure to do so will result in a rejection of the product.

8.0 **MRB**

Suppliers are not allowed to disposition nonconforming material to be shipped to SEC. A disposition of “rework to print” or “scrap” is allowed.

9.0 **Nonconformance Notification**

Suppliers are required to immediately notify SEC if they suspect that nonconforming product has been shipped. If it is determined that nonconforming product has been sent to SEC, the supplier is required to notify SEC within 24 hours, in writing, identifying the SEC PO number, date shipped, quantity shipped, and lot number if available.

10.0 **Corrective Action**

SEC will notify the supplier if nonconforming product has been received. The supplier is required to take immediate action to isolate any additional nonconforming product at their facility. The supplier is expected to implement corrective and preventive action(s). SEC may also require a written corrective action. This will be indicated on the Nonconformance notification and will require a response within a specified time frame.

11.0 **Traceability**

Suppliers are required to have a system in place that provides product lot traceability. This includes traceability to raw materials used to manufacture product, traceability to the OEM, and traceability to the SEC purchase order.

12.0 **Shipping Documents (must be provided in English)**

SEC utilizes various suppliers. The documents required with each shipment to SEC depend on the product being purchased from the supplier. The following is an example of supplier types that SEC may purchase product from and what type of document is required with each shipment:

Note: All Certificates of Conformance documents must be on official company letterhead and reference:

SEC Purchase Order #,
Part Number,
Revision Level,
Part Description

Certificate of Conformance must be fully traceable (via PO#, Lot #, etc.) to raw material certs. If raw material cert does not reference a required industry standard (referenced on SEC drawing) the Certification of Conformance must reference that product meets the required industry standard.

When applicable, Certificate of Conformance must also include Lot numbers, Serial numbers or Date codes and name of OEM.

- a) **Manufacturers** - Certificate of Conformance and inspection report or evidence of inspection
- b) **Distributors** - Certificate of Conformance referencing the OEM (when possible)
- c) **Processors** - Certificate of Conformance referencing process specifications or standards
- d) **Bar/Tube Stock** - Certificate of Conformance referencing the heat # from the material cert and a material test analysis (Reports from Originating Mill)

Safety Data Sheet (SDS)

As applicable, the Supplier shall provide SEC with a current Safety Data Sheet (SDS) in conformance with the Occupational Safety and Health Administration's (OSHA) Hazard Communication Standard (29 CFR 1910.1200) that align with the UN Globally Harmonized System of Classification and Labelling of Chemicals (GHS). Submittal of the SDS shall be made at the time of initial shipment or receipt.

13.0 Packaging Requirements

For custom manufactured parts, bagged parts are to be labeled with SEC part number, PO number, quantity, part description (and lot # if applicable). Unless specific packaging requirements constitute a part of SEC's drawing or specification, best practices shall apply. All parts shipped to SEC are to be packaged in a way to prevent damage during shipment. Cost associated with damage and/or loss incurred due to poor packaging shall be the responsibility of the supplier.

14.0 Record Retention

Unless otherwise specified on the PO, Suppliers are required to retain Quality records (i.e. receiving documents, inspection records, material reports, purchase order, routers, etc.) for a minimum of 10 years.

15.0 Shelf Life Requirements

Products with shelf life requirements must have, at a minimum, 80% of shelf life remaining.

*Exception:

In the event a supplier has an item with less than the required 80% shelf life remaining, the supplier must contact the Buyer for a *possible authorization* PRIOR to shipping the product. If Buyer authorizes the exception, Buyer will then state the exception approval on the PO item line text which will be the communication and record for Incoming Quality Assurance.

Suppliers that do not abide by this requirement are subject to Corrective Action and or other penalties.

16.0 Special Processes

Contractually, SEC may be required to use Customer Approved Suppliers for special processes. Under these circumstances, SEC will flow this information to the supplier via the purchase order. The supplier will be required to use only the Customer Approved Suppliers specified for any sub-contracted special processes.

17.0 Notification of Quality System Changes

Suppliers are required to notify SEC of any significant changes to their quality system.

18.0 Right of Entry Agreement

By accepting a purchase order from SEC, the Supplier agrees that SEC, its customers and regulatory agencies, may have access to the Supplier's facility and all facilities involved in satisfying the order for inspection and/or surveying purposes.

19.0 Change in Manufacturing

Supplier is required to notify SEC should a change in the manufacturing location occur. Additionally, suppliers are required to notify SEC of any changes to product that may affect form, fit or function of the product. Suppliers manufacturing to SEC drawings are not allowed to make changes indicated above.

20.0 Calibration

Tools and equipment used in the final acceptance of manufactured product shall be calibrated in accordance with ANSI Z540-1 or ISO 10012-1 or TS/ISO16949.

21.0 Design, Data, and Configuration

Supplier shall maintain their data and configuration to ensure the most current revisions are used during the manufacturing process as required by the purchase order. Deviations to SEC drawings are not permitted without written approval.

22.0 Sub-tier Supplier Control

Suppliers will flow down SEC Quality requirements to all their sub-tier suppliers. All suppliers are responsible for their sub-tier suppliers. SEC requires all of its suppliers and their employees to know and understand the importance of ethical behavior and that their contributions to the goods, products and or services are directly related to product safety

23.0 Training

Suppliers will ensure that the workforce is aware and competent in performing work affecting conformity to the product requirements. The supplier will maintain appropriate records of education, training, skills and experience.

24.0 Specialty Metals

Material must be compliant in accordance with Domestic Specialty Metals, DFARS 252.225-7009 or current release country of origin list. Each shipment must be accompanied by a certification that all material has been procured and processed in accordance with this specification.

Where there are exceptions a variance (QF-007 Authorized Variance) will be completed prior to PO issuance. A variance can be completed if needed for a project. If this is the case signoffs from project manager, quality manager and purchasing manager will be on record with the exception of the project manager designees may sign. For customers that have DFAR statements in our contracts or otherwise stated there will be no exceptions.

25.0 Counterfeit Parts**a) Electrical Parts**

All electrical, electronic and electro-mechanical parts delivered and/or used in the manufacture of deliverable products shall be from the Original Component Manufacturer (OCM)/ Original Equipment Manufacturer (OEM) or franchised source.

Parts shall not be used or reclaimed and misrepresented as new.

The supplier must have a certification from the OCM/ OEM, and that certification shall be delivered with each lot/ shipment.

Companies that procure electrical, electronic and electro-mechanical parts need to have a counterfeit parts program plan to ensure it does not receive counterfeit parts into inventory, use them in manufacturing, or inadvertently sell them to other parties.

The supplier shall have a counterfeit detection process that meets the intent of SAE standard AS5553, Counterfeit Electronic Parts, Avoidance, Detection, Mitigation, and Disposition.

Suppliers that deliver next higher assemblies shall flow this requirement down to all their sub-tier suppliers to prevent the inadvertent use of counterfeit parts and materials.

Suppliers of next higher assemblies shall specify on their purchase order to their sub-tier suppliers that they shall only procure electrical, electronic and electro-mechanical parts from the original manufacturer of the part or the original manufacturer's franchised distributor only.

b) Non-Electrical Parts

Companies that procure non-electrical standard parts need to have a counterfeit parts program plan to ensure it does not receive counterfeit parts into inventory, use them in manufacturing, or inadvertently sell them to other parties.

The supplier shall have a counterfeit detection process that is similar to, and meets the intent of, SAE standard AS5553, Counterfeit Electronic Parts, Avoidance, Detection, Mitigation, and Disposition.

Suppliers of next higher assemblies shall flow this requirement down to all their sub-tier suppliers to prevent the inadvertent use of counterfeit parts and materials. Distributors or brokers that supply non-electrical standard parts, like fasteners, nuts, washers, springs, O-rings, inserts, and pins, must have a certification from the Original Component Manufacturer (OCM)/ Original Equipment Manufacturer (OEM), and that certification shall be delivered with each lot/ shipment. Parts shall not be used or reclaimed and misrepresented as new.

26.0 Foreign Object Prevention

The Supplier shall implement all necessary arrangements required to prevent, detect and eliminate foreign object debris during manufacturing, assembly, inspection, storage, maintenance, packaging and shipping.

27.0 The BOEING Company Quality Note 31 Requirements

SEC is an original equipment manufacturer and requires its suppliers to abide The Boeing Company Quality Note 31 requirements stating that the components it purchases from its supply base: hereby acknowledges that the parts and/or materials being shipped under this order are intended for use under Boeing's Federal Aviation Administration (FAA) issued Production Certificate 700 and no articles (or constituent parts thereof) or the accompanying paperwork (e.g., packages, shippers, etc.) contain any Federal Aviation Administration- Parts Manufacturer Approval (FAA-PMA) markings