

Customer Specific Requirements

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Raytheon

Document responsibility:

If you have any queries about this document, then please contact your contracting manager within the GKN Aerospace Systems Europe and Asia (ASEA) organisation who will be able to put you in contact with the appropriate person(s).

Scope:

This Customer Specific Requirements per Programme applies to all suppliers, each of its employees, subcontractors, sub-tier supplier, consultants or agents (all referred as “**Supplier**”) who provides Articles or Services to GKN ASEA and its organisations, irrespective of:

- (i) where the Supplier is located;
- (ii) the industry within which the Supplier operates;
- (iii) any certifications and/or accreditations which the Supplier may have.

This Customer Specific Requirements per Program are in addition to the Supplier Quality Assurance Requirements (“SQAR”) and any other agreement or terms and conditions that may be in place between GKN ASEA and the Supplier.

Record of Revisions

Issue	Date	Summary And Reasons For Changes
0	January 01, 2020	Initial Issue

Purpose

This SQAR details specific requirements and expectations of GKN ASEA, based on the AS/EN/JISQ 9100/9110/9120 requirements. This means that the paragraph structure of this SQAR remained the same. All AS/EN/JISQ 9100/9110/9120 chapters not referenced in this SQAR document shall be interpreted as "Comply with AS/EN/JISQ 9100/9110/9120", with no additional requirements.

Any approval which GKN ASEA gives to the Supplier under or pursuant to this SQAR is solely for the purposes of ensuring that the Supplier meets the minimum quality requirements required by GKN ASEA.

GENERAL

The Supplier shall comply with:

- (a) The requirements specified in the latest revisions of each Specification called out on engineering drawings, planning, purchase order, engineering specifications, Article Data Package (ADP), Procurement Data Package (PDP) and/or other applicable design documents as supplier and/or Reference Documents

Raytheon (Mald Fuselage and Sea Sparrow)

As referenced in the Quality note EN-3, First Article Inspection/Test requirements, latest revision under chapter 4.5 Interruption of Production states a FAI is performed after 1 year of production interruption. If required see: <http://qnotes.raytheon.com/>

Prohibition of pure tin, Raytheon RQN-BF: <http://qnotes.raytheon.com/>

The uses of Pure Tin Plated finishes are strictly PROHIBITED. Any Tin Plating or Solder processes shall contain no less than 3 percent Lead composition, unless specifically authorized in writing by Buyer. These restrictions apply for all types and levels of procurements, with the Supplier responsible for communicating these restrictions to Subcontractors or sub-tier Suppliers as required.

EXCEPTION: If GKN ASEA Technical Data Package (GKNA ASEA Drawing or Military Specification) referenced on the Order specifies the use of pure tin finishes this prohibition is NOT applicable.

Component Lead/Termination Solderability (ANSI/J-STD-002), Raytheon RQN-BF <http://qnotes.raytheon.com/>. Components and components in completed subassemblies furnished under the Order shall be delivered with one of the approved termination finishes as listed below. The termination finish shall meet the solderability requirements of IPC/EIA-J-STD002 (Category 3, Test Method A, B or C, as applicable). A double tinning or dynamic solder wave process shall be used for any gold plating removal. Approved Termination Finishes:

- Tin-Lead (SnPb) with a minimum of 3% lead (Pb).
 - Palladium-Silver (Pd/Ag)
 - Nickel palladium gold (Ni/Pd/Au) with less than 150 angstroms of gold
 - Gold (Au) on surface mount components in unformed flat packs and unformed quad packs
 - Gold (Au) on through-hole components/terminals, gold thickness of less than 100 micro inches (2.5 um)
- Specifically DISALLOWED finishes are all other finishes containing tin (Sn) with less than 3% lead (Pb) content, including pure tin (Sn), tin-bismuth (SnBi) and tin-silver-copper (SnAgCu).

Soldering requirements IPC/EIA-J-STD-001, Raytheon RQN-BF

IPC/EIA-J-STD-001(Latest Revision) Requirements for soldered electrical and electronic assemblies, Class 3, Is a requirement of this Purchase Order. Compliance to the requirements of this standard is subject