1.0 PURPOSE AND SCOPE

This procedure establishes the mandatory quality requirements that all suppliers, contractors, and sub-tier suppliers must comply with when providing products, materials, or services to Rolled Alloys Singapore Ltd **(RASG)**. The requirements ensure conformity with **AS9100/AS9120**, **AS13100A and/or ISO 9001:2015** standards, and maintain the integrity, reliability, and safety of products delivered to customers.

This quality requirement document applies to all suppliers who provide products, raw materials, special processes, and/or services that affect the quality of deliverables to Rolled Alloys Singapore Ltd and its customers in the aerospace, defense, and industrial sectors. Suppliers shall clarify in writing to address any compliance concerns.

2.0 NORMATIVE REFERENCES

- **ISO 9001:2015** – Quality Management Systems – Requirements
- **AS9100** – Quality Management Systems – Requirements for Aviation, Space, and Defence Organizations
- **AS9120** – Quality Management Systems – Requirements for Aivation, Space, and Defence Distributors
- **AS13100** – AESQ Quality Management System Requirements for Aero Engine Design and Production Organizations
- **NADCAP** – National Aerospace and Defence Contractors Accreditation Program
- **OASIS** – Online Aerospace Supplier Information System
- **ILAC-MRA** – International Laboratory Accreditation Cooperation Mutual Recognition Arrangement
- **SAC-SINGLAS** – Singapore Laboratory Accreditation Scheme
- **AS6174** – Counterfeit Materiel: Assuring Acquisition of Authentic and Conforming Materiel
- **AS9146** – Foreign Object Damage (FOD) Prevention Program – Requirements for Aviation, Space, and Defence Organizations
- **ISO 22301** – Business Continuity Management Systems
- **ISO 22361** – Security and Resilience – Crisis Management - Guidelines

3.0 GENERAL REQUIREMENTS

3.1 ACCEPTANCE OF THE PURCHASE ORDER

Supplier is responsible for meeting all purchase requirements, including the applicable requirements of this document. If the Supplier engages sub-tier sources to perform work on products and services, the Supplier shall ensure the requirements are flown down.

RASG reserves the right to monitor supplier performance and risks periodically and invoke oversight activities to ensure performance levels are achieved. Suppliers are also expected to conduct additional oversight activities within their own supply chain, as required.

3.2 QUALITY MANAGEMENT SYSTEM

Supplier shall be certified by an accredited 3rd party registrar for the following:

Type	Accreditation / Certification Required
Aerospace (AMS) grade material	AS9100D for manufacturers/distributors, AS9120B for distributors
Non-aerospace grade material	ISO9001:2015
Calibration services	ISO/IEC 17025 / SAC-SINGLAS / ILAC-MRA
Material Testing Services	ISO/IEC 17025 / NADCAP / SAC-SINGLAS / ILAC-MRA / GE-S400

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Suppliers who obtained certification to the above and subsequently change certification/registration bodies, lose registration status, or put on notice of losing registration status, shall notify RASG within three (3) business days of receiving such notice from the certification body.

3.3 AS13100 REQUIREMENTS

AS9100 and/or AS9120-certified suppliers shall be compliant with the latest AS13100 requirements as determined by the Organization Type (Table 1) and QMS certification requirements (Table 2), including their respective sub-tiers, by conducting an AS13100 compliance self-assessment to ensure its Quality Management System is fully compliant. Results of the self-compliance assessment shall be kept up-to-date and provided upon request. An additional level of surveillance may be applied depending on the results.

3.4 PRODUCT & SERVICE CONFORMITY, PRODUCT SAFETY, IMPORTANCE OF ETHICAL BEHAVIOR

Supplier shall be responsible for the conformity of all products purchased by RASG and ensure appropriate communications are made to internal employees and external providers to ensure these individuals understand their contribution to product and service conformity & safety and ethical behavior.

Any potential risks are identified against the purchase orders and appropriate actions are taken to address them as necessary to ensure conformity of the supplied products and services. RASG shall be notified in writing of any variation from the purchase order. Such variation shall not be acted upon without written approval from RASG.

3.5 RIGHT OF ACCESS

Supplier shall provide RASG, its customers, third parties mandated by the customer, contracting parties accompanying the customer's representatives and/or statutory and regulatory authorities with the right of entry to conduct an audit or inspection/investigation at your facility. It shall include access to Quality System documentations, quality records to verify product and processes as applicable.

3.6 ACCESS TO OASIS / NADCAP (AS9100 / AS9120 -CERTIFIED SUPPLIERS)

When requested by RASG and/or its customers, suppliers shall provide access to relevant data within Online Aerospace Supplier Information System (OASIS) and/or NADCAP databases.

3.7 IDENTIFICATION AND TRACEABILITY

The Supplier shall maintain unbroken supply chain traceability that ensures material can be trace back to the mill. This also includes documented information relating to control of work transfers to 3rd party sources. See clause 3.8. Documented information shall be provided upon request by RASG, such as the packing slips /COCs of your supplying source.

3.8 CONTROL OF WORK TRANSFER

When work transfers are required (e.g. 3rd party heat treatment, laboratory testing, etc), Supplier shall ensure control of outsourced processes are established, implemented and maintained to ensure continuing conformity to order requirements. Records of work transfers shall be retained.

3.9 FOREIGN OBJECT PREVENTION (FOD)

Controls shall be established per AS9146 for the preservation of outputs within their operational processes to prevent, detect and remove foreign objects. When applicable, Supplier's FOD control program shall include controls to preclude FOD or contamination at their sub-tier sources. Materials shall be free of contamination, burrs, and foreign materials prior to shipment.

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3.10 COUNTERFEIT MATERIAL PREVENTION

Controls shall be established to prevent the delivery of counterfeit, suspected counterfeit, and unapproved material as defined in AS6174.

Supplier shall promptly provide written notification to RASG **within 24 hours** should the organization become aware or suspect that counterfeit, suspected counterfeit, and unapproved material has been supplied to RASG.

Upon confirmation of a supplied counterfeit material, Supplier shall bear any remedial costs incurred to RASG and its customer should the counterfeit material escaped. RASG and its customers are not obligated to return suspect or confirmed counterfeit material and may elect to scrap any known counterfeit material to prevent it from entering the supply chain.

3.11 NOTICE OF NONCONFORMITY/ESCAPE

RASG shall be notified in writing of any product nonconformity (including, but not limited to suspected unapproved, unapproved, and counterfeit materials) relating to the purchase order and/or customer-specific requirements. If the product has escaped from the Supplier's facility, Supplier shall promptly notify RASG of the nonconformance with detailed descriptions. Supplier shall exhibit effective remedial course of actions to ensure the conformance is contained.

3.12 CERTIFICATE OF CONFORMANCE (COC)

Distributors who supply aerospace grade materials to RASG shall be accompanied with a Certificate of Conformance (CoC) along with the shipping paperwork and authentic material test certificate(s). This documentation shall contain, at the minimum, the following information to properly reflect supply chain traceability back to the material source origin:

Supplier Name	Supplier Sales Order Number	Customer Name
Customer PO Number	Sold To Address	Deliver To Address
Date of Supply	Manufacturer Name	Country of Origin
Material Description	Heat / Cast Number	Lot / Tracer Number
Quantity Supplied	Applicable Industry / AMS standards	Supplier's authorized quality representative and job title signing the COC

3.13 RETENTION OF RECORDS

Quality records shall be retained for a minimum period of 10 years and shall also meet any specific records requirements specified by RASG and/or its customer minimum retention requirement. In the event of differing retention period, the stricter requirement shall take precedence.

3.14 CORRECTIVE ACTION

RASG may issue an investigation request when a nonconformance is identified. Supplier shall have a documented procedure for complaints handling and taking appropriate corrective actions. The default problem solving methodology is Eight Disciplines (8D) or similar.

3.15 ACCEPTANCE AUTHORITY MEDIA (AAM)

Where product acceptance authority media are used (e.g. inspection stamps, electronic signatures, etc.), the Supplier shall establish controls for the use of AAM within its QMS. AAM shall be controlled and secure to:

- Avoid misuse.
- Establish traceability to the authorized user.
- Avoid duplication.

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- Align to responsibilities and authorities defined within Supplier's quality management system.
- Maintain in good condition and legibility.

3.16 CLIMATE CHANGE

Suppliers shall conduct appropriate climate change risk assessments on relevant external and internal issues that affect your ability to achieve the intended results to your QMS and stakeholders.

3.17 RISK MANAGEMENT

Supplier shall establish a risk management process within their organization and ensure effective review of their risk management system is conducted at least annually. Risk management includes establishing crisis management and business continuity plan which impact their ability to supply to RASG. Supplier shall notify RASG of such issue within 3 working days.

3.18 BUSINESS CONTINUITY PLAN (BCP) / CRISIS MANAGEMENT PLAN

Supplier shall establish crisis management and BCP plan and address the following points, at the minimum. RASG shall be notified in writing, within 3 working days should any of the following occur:

- Change in business company name, ownership/leadership or discontinuation of business activities
- Changes to QMS certification status, including lapses/withdrawal/major audit findings
- Changes to nominated QMS Quality leadership personnel
- Major incidents that affect and impact your ability to meet customer commitments
- Risks that could affect the continuity of your business operations
- IT security breaches
- Risks that affect the supply of materials due to laws and regulations concerning the control or use of such materials

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4.0 REVISION HISTORY

REVISION #	DESCRIPTION OF CHANGES	RELEASED DATE
0	New release	26 Sept 2016
1	• Clause 2 – added responsibility for contribution to product/service conformity, product safety, and ethical behavior • Clause 5 – added requirement to notify RASG on suspected unapproved, unapproved, and counterfeit material • Clause 7 – revised statement to add clarity • Clause 8 – revised statement to notify RASG of changes to quality leadership, certification scope, QMS registration address, controlled process certification status, including suspensions or disapprovals	30 Sept 2017
2	• Renamed document name from Rolled Alloys Singapore Purchasing Conditions to RASQR-01 Supplier Quality Requirement • Overhaul of entire document by defining and rewriting 1.0 Purpose and Scope, 2.0 Normative References, 3.0 General Requirements and its sub-headings • Newly added requirements include: ○ 3.2 Quality Management System ○ 3.3 AS13100 Requirements ○ 3.6 Access to OASIS/NADCAP ○ 3.8 Control of Work Transfer ○ 3.9 Foreign Object Prevention (FOD) ○ 3.12 Certificate of Conformance (COC) ○ 3.14 Corrective Action ○ 3.15 Acceptance Authority Media (AAM) ○ 3.16 Climate Change ○ 3.17 Risk Management ○ 3.18 Business Continuity Plan (BCP) / Crisis Management Plan	13 October 2025

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