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REQUIREMENTS FOR SUPPLIERS

LNQA0500

Issue 12

April 2019

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Issued By: C Bennett – Compliance Manager NMB-Minebea UK Ltd
Current release updated By: Josh Beaven
All approvals are electronically signed as per the Procedure Management System I.A.W LNQA0365 & LNQA0172.

Iss	Amendment Record	Date
1	New Issue	12 th Feb 04
1A	4.2; AS/EN9100 certification 4.4; IAQG Standards 6.7; Corrosion and Damage Protection	14 th Oct 04
2A	Section 5.2.3 amended to include rights of access.	02 nd Feb 07
3A	Section 14.2 amended to include period records are to be retained for.	06 th Feb 08
3B	Section 3.12 amended to include the flow down requirements of AS9120	09 th Apr 08
4A	Section 7.1 External Processor requirements added.	23 rd Dec 08
4B	Section 9.4 Added – Reference customer FAIR requirements	08 th Dec 11
5	New Company Logo Approvals titles changed Rev levels removed – Issue Numbers now only apply	13 Jun 14
6	Section 3.13 Flow down means statement amended	30-Apr 2015
7	Section 3.15 Corporate & Social Responsibilities	08-Dec 2016
8	New company logo & references to MinebeaMitsumi added Title changed – was Quality Requirements for Suppliers Section 1 – Scope amended Section 3 – changed to General Requirements Section 3 – the term 'product and/or services' added Section 3 – 'interested parties' added throughout Section 3.15.4 – amended to include Environmental obligations & requirements Section 3.15.5 - added	26-Jun 2017
9	Section 5 amended to include purchase order governance Appendix A added	25-Oct 2017
10	2.3 Scope amended	24-May 2018
11	Section 4 – CSR added and general updates to clauses	01-Jun 2018
12	Section 7.8 added & approvals from document removed I.A.W LNQA0365 & LNQA0172.	08-April 2019

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Appendix A NMB-Minebea UK Prime Customers

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1. Purpose

To define the Supplier Requirements placed on external organisations used for supplying products, processes and services for use in NMB-Minebea UK Ltd (NMBUK-R&S) products, processes and services and the expectations thereof.

2. Scope

- 2.1. This document details the requirements to be satisfied by suppliers to NMB-Minebea UK Ltd. of the MinebeaMitsumi Rod End & Fasteners Business Unit, hereafter referred to as NMBUK-R&S.
- 2.2. NMBUK-R&S requires each supplier to comply with the requirements set forth in this document and to maintain a quality system that ensures compliance with all requirements.
- 2.3. These requirements are applicable to all Suppliers on whom Purchase Orders in furtherance of NMBUK-R&S work are placed and are mandatory to the extent specified in the Purchase Order and applicable, drawings & specifications hereafter referred to as the Purchase requirements.
- 2.4. In the event of any conflict between the requirements of the Purchase Order and this LNQA0500 document, the Purchase Order has precedence.

3. General Requirements

- 3.1. Suppliers shall, where appropriate, design, manufacture, service, release and deliver all products processes and services in accordance with the purchase requirements.
- 3.2. All products, processes and services shall be provided strictly and in accordance with the purchase requirements.
- 3.3. Following prior approval by NMBUK-R&S, suppliers shall only use sub tier processors who are NMBUK-R&S approved, unless supplier is purchasing recognised proprietary products or national / international standard parts.
- 3.4. When the supplier is providing a product or service against NMBUK-R&S prime customer drawings or specifications they shall only use NMBUK-R&S and NMBUK-R&S customer approved suppliers as stipulated on the purchasing requirements.
- 3.5. The supplier shall operate a quality system that ensures product quality, safety and integrity is maintained throughout.
- 3.6. Suppliers shall demonstrate compliance with this standard and any other procedures / specifications relevant and / or specified by the purchase requirements. This compliance shall be maintained and subject to audit at any time.
- 3.7. Where suppliers consider this standard conflict's with their organisations operational standards the supplier may seek variations or exemptions in writing from NMBUK-R&S Compliance Manager.
- 3.8. NMBUK-R&S pursues continual improvement through Quality, Cost and Delivery initiatives and suppliers are expected to have plans in support of these improvement activities.
- 3.9. The supplier shall grant right of access to NMBUK-R&S, its customers and any regulatory authorities necessary, to all facilities involved in the order fulfilment and to all applicable records upon reasonable request and without restrictions.

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3.10. The supplier shall ensure these requirements and those detailed on drawings, specifications and purchase orders are communicated (flow down) to approved sub-tier suppliers including where appropriate the requirements for:

- 3.10.1. approval of product, processes, equipment and procedures
- 3.10.2. qualification of personnel
- 3.10.3. quality management system
- 3.10.4. the description product name or any other positive identification, including the relevant issue levels of drawings, specifications, processes, inspection procedures and any other relevant technical data.
- 3.10.5. notification of any nonconforming product
- 3.10.6. any changes to product definition
- 3.10.7. rights of access by NMBUK-R&S, our customers, and or regulatory authorities to all facilities involved in the order and all applicable records
- 3.10.8. a certificate of conformity, any test reports and/or airworthiness approval from the approved manufacturer / repair station

3.11. Further 'Flow Down' of customer requirements by NMBUK-R&S is via, but not limited to;

- 3.11.1. The declaration on the Purchase Order stating the order is in furtherance of a customers order place on NMBUK-R&S and therefore subject to compliance with said customers associated Quality Standards (i.e. GRAMS, Safran GRP-0087; Rolls Royce SABRe; GLG Doc300 etc)
- 3.11.2. Source control drawings – either NMBUK-R&S customer or the NMBUK-R&S drawings
- 3.11.3. Technical specification(s)
- 3.11.4. Procurement specifications
- 3.11.5. Written instruction in the form of purchase order statement
- 3.11.6. Where a supplier operates out of more then one site, each site must hold the appropriate approvals.

4. Corporate Social Responsibility

NMBUK-R&S recognises:

- 4.1. The need to integrate business values and operations to meet the expectations of NMBUK-R&S interested parties who include (but not limited to) it owners, customers, employees, investors, suppliers, community, authorities, controlling and regulating authorities and the environment.
- 4.2. The social, economic and environmental responsibilities to interested parties are integral to the business and aims to demonstrate these responsibilities through actions and within the business operating policies and procedures.
- 4.3. Take seriously all feedback received from interested parties and, where possible, maintain open dialogue to ensure we fulfil the requirements outlined therein.
- 4.4. Shall be open and honest in communicating the strategies, targets, performance and governance to interested parties in commitment to sustainable development through Business Operating Systems, Quality and Environmental Management System and Health and Safety Systems.
- 4.5. Consequently, NMBUK-R&S expects the commitment from its Suppliers of products, processes and services to comply with and fulfil their obligations, including but not limited to, Quality, Cost and Delivery, Environmental obligations, responsibilities and operational controls, Health and Safety, Corporate and Social Responsibilities, (3TG) Conflict Minerals, Modern Day Slavery Act – 2015, Hazardous Substances including REACH legislative requirements.

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- 4.6. NMBUK-R&S expects it's suppliers of products, processes and services to adopt and encourage operational controls relative to environmental compliance as defined by local agencies and regulatory authorities, and demonstrate best practices compliant with ISO 14001 Environmental Management System.

5. Quality Management System

- 5.1. Approval by an appropriately accredited certified review body to ISO 9001 shall represent the minimum acceptable Quality Management System certification for all suppliers of product, processes or services to NMBUK-R&S.
- 5.2. Suppliers supporting Aerospace related activities shall hold accreditation to the AS/EN9100 series. If suppliers do not wish to operate a QMS under this series, assessments shall be made based upon the scope of activities to determine continued suitability as a supplier to NMBUK-R&S.
- 5.3. Objective evidence shall be made available to demonstrate compliance with the accredited approval – NMBUK-R&S Forms QA0018 and/or QA0020 apply.
- 5.4. NMBUK-R&S supports IAQG initiatives and subject to the suppliers scope of activities expects implementation of IAQG standards in relation to Aerospace activities.
- 5.5. Should a supplier not hold a recognised accreditation, NMBUK-R&S shall conduct a Quality Audit to determine the capability of the supplier in meeting the standards required. This may include prime approvals to carryout the product, process or service as defined on the purchase requirements.
- 5.6. The Supplier shall ensure that quality system procedures are available to all personnel, customers and relevant authorities.

6. Purchase Order Review

- 6.1. Governance
- 6.1.1. All purchase orders may be in furtherance of NMB-Minebea UK customer orders and goods are to be compliant with the associative Quality Standards. Refer to Appendix A for prime customers.
- 6.2. General Requirements, the supplier shall ensure;
- 6.2.1. All purchase orders and requirements are subject to Contract Review prior to acceptance.
- 6.2.2. Appropriate approvals and accreditations are maintained permitting the supplier to fulfil the purchase requirements inclusive of Prime Approvals.
- 6.2.3. Current releases of all drawings, processes and specifications quoted within the purchase requirements are available and are the responsibility of the supplier or sub-contractor of the product, process or service provision.
- 6.2.4. Should problems relating to fulfilment of the purchase requirements be identified, they shall be resolved with full agreement of NMBUK-R&S Purchasing, Compliance and Quality Management and a formal amendment to the purchase order shall be made.

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6.3. Specific Requirements

- 6.3.1. The supplier may not 'sub-let' to a third party without written authorisation from NMBUK-R&S Purchasing, Quality and /or Compliance Management.
- 6.3.2. If any second tier subcontract is required it is the supplier's responsibility to ensure all purchase conditions, including this requirement, are cascaded to the subcontractor. It is the responsibility of the supplier to ensure the product / process conforms to all purchase requirements and traceability / records are maintained.
- 6.3.3. The supplier's subcontractors may not then subcontract the purchase order.
- 6.3.4. NMBUK-R&S its Customers and/or any relevant Regulatory Authority shall be afforded the right of access to all facilities involved in the order and to all applicable records. They shall also be afforded the right to verify at source or upon receipt that purchased product conforms to specified requirements. This shall not absolve the supplier of responsibility for the quality of the delivered product nor preclude its subsequent rejection should other quality issues arise
- 6.3.5. If the supplier is to sub-let, their identification and selection shall form part of the suppliers initial contract review and shall only be deemed suitable in the following circumstances
 - 6.3.5.1. The sub-tier supplier is approved by NMBUK-R&S.
 - 6.3.5.2. Where necessary the supplier is an approved processor by the prime.
 - 6.3.5.3. For aerospace raw materials, the supplier shall comply with the requirements of IAQG AS9100 or AS9120.
 - 6.3.5.4. The work is within their scope of approval.
 - 6.3.5.5. The supplier has approved the subcontractor.
 - 6.3.5.6. The supplier shall have documented evidence of the review of any subcontractor and their suitability for use.
 - 6.3.5.7. The supplier shall ensure the flow down of all contract / design & test requirements to their sub-contractor and shall ensure control & verification of all characteristics of product / processes supplied

7 Manufacturing and Process Control

- 7.1. The supplier shall maintain an infrastructure to achieve conformity in accordance with purchase requirements that shall include but is not limited to;
 - 7.1.1. Buildings, workspace and associate utilities
 - 7.1.2. Process equipment
 - 7.1.3. Support services
- 7.2. All products, processes and or services specified in the purchase requirements are to be carried out in full.
- 7.3. Suppliers should operate statistical process techniques for determining process capability where appropriate and as defined by purchase requirements.
- 7.4. When approved by NMBUKR&S Quality Management, the supplier may use sample inspection as a means of product acceptance. When applied, the sampling plan shall be founded upon recognised models and statistically valid. Documented procedures and records to demonstrate this shall be available
- 7.5. All parts are to be identified in accordance with the requirements of the drawings, specifications or purchase order.

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- 7.6. Suppliers shall maintain records to identify the drawings, specifications, materials used and the manufacturing and processing history of each batch of products, processes and/or service provided. Batches shall be identified to enable retrieval of all associated records.
- 7.7. The application of temporary anti-corrosion products and the use of damage protection media during manufacture, storage and delivery of product is mandatory.
- 7.8. When general tolerance's are not stated on the provided NMB-Minebea drawing then all suppliers must apply general tolerances in accordance with NMB-Minebea specification PDS0001 (General & Geometric Tolerances, Surface Texture & Deburring) or if applicable the general tolerance specification stated on the drawing.

8 Traceability

- 8.1. All products, processes and services shall be traceable to the origin of manufacture. Copies of the original manufacturers/processors certificate of conformance, and where relevant, all test data shall be supplied with the product, process or service and copies retained for record by the supplier.
- 8.2. The supplier shall implement a program for the prevention of counterfeit or suspect counterfeit parts use in fulfilment of the order
- 8.3. Supplier's traceability shall facilitate the timely identification of any part delivered and suspected of being defective. Containment action must be implemented immediately on any defects found that affect quality of the product, process or service provided.

9 Change Control

- 9.1. Changes to the management representative responsible for Quality or significant change in the supplier's organisation or ownership shall be notified in writing to the NMBUK-R&S Compliance Manager, Supply Chain Manager and Quality Assurance Manager.
- 9.2. Changes in premises shall be notified in writing sufficiently in advance to the NMBUK-R&S Compliance Manager, Supply Chain Manager and Quality Assurance Manager
- 9.3. The supplier shall not make any changes to the product, process or service as defined in the purchase requirements without written consent from NMBUK-R&S Quality and / or Engineering Management.
- 9.4. Change approvals from NMBUK-R&S shall stipulate any resultant mandatory requirements as a consequence of the change, such as a Risk Analysis, P-FMEA, FAI etc

10 First Article Inspection

- 10.1. Where specified on the purchase order a First Article Inspection (FAI) report shall be provided with the product, process or service in accordance with AS/EN9102.

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- 10.2. A First Article Inspection Report (FAIR) shall be required under the following circumstances
- 10.2.1. The first batch of any product a supplier manufactures or supplies
 - 10.2.2. A partial FAIR if part of the method of manufacture is changed
 - 10.2.3. A partial FAIR if the drawing issue changes
 - 10.2.4. A FAIR is required either specifically by the purchase order or required by a break in continuous supply greater than 2 years
 - 10.2.5. Specified in the purchase requirement
 - 10.2.6. Additional requirements i.a.w NMBUK-R&S customers specifications

Failure to comply may cause the FAI to be rejected.

11 Control of Non-Conformance

- 11.1. The supplier shall not sanction non-conforming product, process or service.
- 11.2. The supplier shall notify NMBUK-R&S Compliance Department of all non-conformances.
- 11.3. NMBUK-R&S Compliance or Quality shall give instruction on the course of action to be taken
- 11.4. Control of Non-conforming product, process or service shall be fully in accord with AS/EN9100 requirements (including segregation, storage, records etc)
- 11.5. Where the supplier has any reason to suspect non-conformance of any delivered product, process or service the supplier shall immediately notify NMBUK-R&S
- 11.6. All authorised and sentenced non-conforming product shall be clearly identified and segregated when returned to NMBUK-R&S

12 Delivery

- 12.1. A Certificate of Conformity shall accompany all supplied products, processes and services.
- 12.2. Certificates and supporting documentation will be identified by Purchase Order/Contract number and shall include (as a minimum) the following information:
 - Consignee's name and address
 - Consignor's name and address
 - Reference number and date of the certificate
 - Description and quantity of supplies
 - Relevant drawing number and issue number
 - Related specifications and issue levels
 - Identification marks and serial numbers (as appropriate)
 - Manufacturing lot no. or traceability reference
 - For all raw materials cast and/or batch numbers/ date code/lot No., test report reference and, if called for, copies of test results

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- 12.3 The Certificate shall include a statement of conformity individually signed by an authorised signatory of the Supplier and shall be as stated below or similar; 'Certified that the whole of the supplies detailed herein have been manufactured, inspected and tested and, unless otherwise stated, conform in all respects with the requirements of the contract or order.
- 12.4 The Supplier shall ensure completion of all requirements of the purchase order prior to delivery including all processes. Deliveries of goods that do not fulfil the purchase order requirements will not be accepted.
- 12.5 Products with a Shelf Life shall be supplied with a minimum 75% remaining shelf life. Both the date of manufacture and remaining Shelf Life shall be declared on the Certificate of Conformance (Release Certificate).

13 Delivery Rejects

- 13.1 The supplier shall be notified of any non-conforming product, processes or services found by NMBUK-R&S
- 13.2 After notification the supplier shall take immediate action to contain the problem and ensure compliance of any delivered goods, stocks or work in progress. The supplier shall acknowledge receipt of the notification within 7 days.
- 13.3 The supplier shall initiate a non-conformance investigation for Root Cause Corrective Action in the form of an 8D Report where appropriate and/or called for.

14 Supplier Monitoring

- 14.1 Supplier's performance (quality cost and delivery) shall be monitored and those whose performance does not achieve the acceptable standard shall be formally notified of their rating and requirements for improvement actions. Failure to improve or respond positively will result in the withdrawal of approval by NMBUK-R&S.

15 Records

- 15.1 All records shall be legible and identifiable to the product involved. Records shall be stored and maintained in such a way that they are readily retrievable in facilities that provide a suitable environment to minimise deterioration or damage and to prevent loss.
- 15.2 Documentation and Records applicable to NMBUK-R&S shall be kept indefinitely, and shall not be destroyed without prior written permission from NMBUK-R&S Compliance or Quality Management.
- 15.3 Documentation and records applicable to NMBUK-R&S shall not be amended with correction fluid. A single inked line shall delete any revisions and/or correction of errors and will be accompanied by an approved signatory and date. Retrospective amendment of any product related record is not permitted.

Appendix A: NMB-Minebea UK Prime Customers (for the purpose of this procedure);

Airbus
 Asco
 BAe
 GE Aviation
 GKN

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HDI
Honeywell
Leonardo-Agusta
Rolls-Royce
Safran
UTC

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