

The following Quality Notes (QNotes) 1-14 are the associated Quality Terms and Conditions of Purchase that always apply to any PO placed by Mac Fasteners. Acceptance of the Order, (Providing Services and Invoices for Services or Goods Rendered) is agreement to be bound by these Quality Notes without exception. There may be other Formal Financial Purchasing Terms and Conditions (other than QNotes 1-14) defined on attached PO's and noted by QNOTE on the PO body, except for Certain Supplier Types defined below for which the following QNotes will always apply. These QNotes are in effect until changed and communicated to the suppliers in writing:

Type Supplier	QNOTES APPLICABLE
Plating	1-14,16,18,19,21,22,23,30,38,37
Raw Material	1-14,16,17,18,19,22,23,33,34,35,37
Heat Treat	1-14,16,18,19,21,22,23,30,37
Grind	1-14,18,19,23,30,37
Drill	1-14,18,19,23,30,37
Calibration/Equipment	1-14,15,16,19,30,32

- Q01. External suppliers' interactions will be by Purchasing and Quality departments. External suppliers will be judged based on OTD of the product, and the product's quality both incoming, and as instantiated in Mac Fasteners, Inc.'s products. External suppliers will be managed by Mac Fasteners, Inc.'s SCAR process where remediation's will be provided without undue delay or as defined in the SCAR. Any delivery of quality failures which result in any impact to our OTD or quality to our end customer will require remediation.
- Q02. External suppliers shall build or provide services on Mac Fasteners, Inc. acquired goods in accordance with relevant technical details such as specs, drawings, process requirements, or work instructions provided in, or referenced in the body of the PO. External suppliers shall execute special Requirements, critical items or key characteristics as defined in drawings, and warrants that its product or performance of work complies with all requirements, and complies with all applicable federal, state and local laws and ordinances.
- Q03. External suppliers shall notify Mac Fasteners, Inc. of non-conforming processes, products or services and obtain approval for their disposition prior to shipment. Unless otherwise specified Mac Fasteners, Inc. retains Design Control on any contracted product.
- Q04. External suppliers shall notify Mac Fasteners, Inc. in case of any changes to processes, products or services which might have any impact to Form, Fit or Function of provided components including changes of their external providers or location of manufacture and obtain the Mac Fasteners, Inc.'s approval before implementing the change.
- Q05. External suppliers have the need to flow down to their direct and all sub-tier supply chain applicable requirements including any requirements of Mac Fasteners, Inc. or Mac Fasteners, Inc.'s customer requirements, including terms and conditions and as applicable any critical items or key characteristics.
- Q06. External suppliers shall retain documented information for a minimum of 10 years related to Mac Fasteners, Inc. acquired products and services as part of the external providers quality system. The items marked below with (***) are required to be retained only for 4 years.
 - a. Producing mill Test reports.
 - b. Raw Material Certified Test reports.

- c. Accredited Lab Test reports.
- d. Inspection results and/or reports.
- e. Certificates of conformance.
- f. Customer orders, contracts, delivery orders, purchase orders.
- g. Invoicing and receiving documents.
- h. Non-conforming material and corrective actions, including recall actions and customer notifications and responses.
- i. Manufacturing and Production Records including lot identification.
- j. Calibration documents. (***)
- k. Internal & external Audit documentation. (***)
- l. Personnel qualification records. (***)
- m. Statistical process control records. (***)

- Q07. The need for the right of access by the Mac Fasteners, Inc., their customer, and regulatory authorities to the applicable areas of facilities and to applicable documented information at any level of the supplier's supply chain.
- Q08. The need to ensuring suppliers' personnel are aware of their contribution to product or service conformity, product safety and the importance of ethical behavior.
- Q10. The supplier is to maintain a QMS acceptable to Mac Fasteners, Inc. at a minimum equivalent to ISO9001. Mac Fasteners, Inc. reserves the right to conduct surveillance at supplier's facility to make final determination that Supplier's Quality System meets the requirements, and/or supplier will be required to complete a Supplier Survey Questionnaire. If at the time of this order the supplier has a registered QMS (ISO9001 or greater). The supplier shall maintain such a QMS, and notify Mac Fasteners, Inc. in the case of any changes, including loss of registration.
- Q11. The Supplier's equipment shall be calibrated in accordance with ANSI/NCLSL Z540-1 or ISO 10012-1 and traceable to NIST.
- Q12. External supplier shall control Work Transfer Conditions and Records as defined in the body of the PO.
- Q14. Mac Fasteners, Inc expects Timely performance of all terms of its purchase, and all purchases are subject to final inspection and acceptance or ejection by MacFasteners at their facility.

The following Terms shall apply only as referenced and clarified in the PO body:

- Q15. External supplier shall provide Initial Calibration Certification Required- ON RCPT NOTIFY Equipment Manager
- Q16. A certification is required, stating that all of the products or services meet the contractual or purchase order requirements. The certificate must list the part number and all of the applicable process specifications, including up to date revision levels.
- Q17. Supplier shall submit Chemical and Physical test reports in accordance with the latest material specifications and revision. Distributors must provide a certification verifying the materials traceability to the Mill test reports when supplied.
- Q18. External suppliers shall permit a Mac Fasteners, Inc. Source Inspection if requested

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- Q19. External supplier shall use Mac Fasteners, Inc.-designated or approved external provider including process sources for special processes if requested.
- Q20. Special processing NADCAP approval is required. The special process requirements will be listed on the actual purchase order.
- Q21. The Supplier is to perform a special process on this purchase order. Special processing may include one of the following processes: heat-treating, stress relieving, plating/coatings process or Nondestructive testing. Mac Fasteners, Inc. shall identify the specific process specification and the end user on the purchase order. The Supplier should maintain its special process approval with the end user. If the Supplier is not currently approved for the specified process, it is the Supplier's responsibility to Mac Fasteners, Inc. immediately.
- Q22. All parts/batches should have unique serial numbers assigned. Supplier is to maintain traceability throughout the production stage.
- Q23. All parts/batches should have unique serial numbers assigned. Supplier is to maintain traceability throughout the production stage. If key characteristics are defined in Mac Fasteners, Inc. drawings the supplier shall provide traceable dimensional data on a by part basis.
- Q24. External suppliers shall support a 1st Article approval as required with data and part maintained at the Supplier's Premises for a period defined in the body of the PO. First article shall be to AS9102.
- Q25. External suppliers shall support a 1st Article approval as required with data and part provided to Mac Fasteners, Inc.. First article shall be to AS9102.
- Q26. External supplier shall use the special test, inspection and verifications including any approved use of statistical techniques for product acceptance; and the instructions for the product's acceptance by the Mac Fasteners, Inc. as defined in the PO.
- Q27. External supplier shall provide test specimens for design approval, inspection/verification, investigation, or auditing by Mac Fasteners, Inc., the quantity of such is defined in the PO.
- Q28. External supplier shall demonstrate specific competence of personnel including required qualifications if required by Mac Fasteners, Inc. should this affect the product or services conformance to requirements.
- Q29. The supplier is required to maintain a Quality System in compliance to AS9100. If facility is not certified to AS9100, buyer reserves the right to conduct surveillance at supplier's facility to make final determination that Supplier's Quality System meets the requirements, and/or supplier will be required to complete a Supplier Survey Questionnaire.
- Q30. Supplier is to return all furnished property to Mac Fasteners, Inc. at the completion of the purchase order. Furnished property may include but not be limited to the following: drawings, mylars, process specification, tooling, fixtures, and excess raw material.
- Q31. The Supplier is to identify parts in accordance with purchase order requirements.

- Q32. The calibration vendor shall be accredited to ISO17025. All measuring and test equipment shall be calibrated in accordance with ANSI/NCLSL Z540-1 or ISO 10012-1 and traceable to NIST.
- Q33. Items procured under this purchase order must be compliant with DFAR 252.225-7000, "The Buy America Act".
- Q34. The Supplier shall maintain a special process approval from The Boeing Company on this purchase order.
- Q35. The supplier must have a process in place to detect and prevent the use of counterfeit materials.
- Q36. Supplier shall attest that they have not exposed the parts, nor processed the parts so that they have come in any contact with mercury, mercury vapor, or mercury compounds including test equipment, inspection equipment, handling, packaging material and/or any other associated material that may come in contact with the furnished items,, materials or assemblies
- Q37. Conflict Minerals Policy Statement- In response to violence and human rights violations in the mining of certain minerals from the " Conflict Region" , which is situated in the eastern portion of the Democratic Republic of the Congo (DRC) and surrounding countries, the U.S. Securities and Exchange Commission (SEC) has adopted rules to implement reporting and disclosure requirements related to "conflict minerals," as directed by the Dodd-Frank Wall Street Reform and Consumer Protection Act of 2010. The rules require manufacturers who file certain reports with the SEC to disclose whether the products they manufacture (process) or contract to manufacture (process) contain " conflict minerals" that are " necessary to the functionality or Production" of those products .
 Mac Fasteners is committed to the responsible sourcing of the " conflict minerals" (Gold, Tin, Tantalum, and Tungsten) throughout our supply chain and to continuing to comply with the underlying SEC rules and regulations surrounding " conflict minerals" .
 Your company may be required to fill out a Conflict Minerals Survey, We appreciate your assistance and cooperation if requested.

REV.	Editor	Description	DATE	AUTHORIZED BY
F	AP	Reworded the first paragraph for better understanding.	8/6/21	NR
E	JAF	To amend table per 180924-1A16-CA-RC	11/5/17	JAF
D.1	RMM	Editorial Change Only- numbering	11/15/17	RMM
D	RMM	Modify Template, Numbering	10/19/17	JF
C	RMM	Modify Template, Add more special processes.	10/10/17	JF
B	RMM	Update for AS9100D, practices	08/28/17	JF
A	KMD	Initial Approval	10/23/14	KMD