

NOTE TO SUPPLIERS:

1. All Items supplied to AMETEK Hughes-Treitler are subject to inspection upon receipt. Items found to be discrepant after the receiving inspection process are still the responsibility of the supplier.
2. In addition to hardware or performance non-conformances reasons for rejection include (but are not limited to) missing paperwork, illegible paperwork, incorrect paperwork, insufficient packaging and incorrect quantity as identified on the paperwork.
3. Supplier performance is based on quality and delivery.
 - a. Supplier performance is reviewed on a minimum annual basis for quality (DPPM) OTD and risk. Corrective actions may be issued based on the results of this review based on this review or individual rejects or late deliveries.
 - b. DWR submissions always require a Corrective Action as part of the submission as required by the DWR form.
4. Standard clauses apply to all POs as applicable.

End User: As identified on PO**Q1 Standard Clause:** Registered Quality System

Items supplied on this order shall be designed and/or produced and serviced under a quality system certified to ISO9001/AS9100. For distributors, AS9120 may be substituted.

The system must ensure that persons are aware of the following:

- their contribution to product or service conformity.
- their contribution to product safety.
- the importance of ethical behavior. Suppliers may anonymously raise any concerns regarding ethical behavior as it relates to AMETEK Hughes-Treitler, its products, product quality, product safety or its employees to the AMETEK corporate Hot Line: 1 (800)461-9330.

Or

Q2 Standard Clause: Compliant Quality System

(a) Items supplied on this order shall be produced and serviced under a quality system compliant to ISO9001/AS9100. (b)

For distributors, compliance to AS9120 may be substituted.

The system must ensure that persons are aware of the following:

- their contribution to product or service conformity.
- their contribution to product safety;
- the importance of ethical behavior. Suppliers may anonymously raise any concerns regarding ethical behavior as it relates to AMETEK Hughes-Treitler, its products, product quality, product safety or its employees to the AMETEK corporate Hot Line: 1 (800)461-9330.

Q3 Standard Clause: Nadcap Special Process Approval

Items supplied on this order shall be processed only by Nadcap Accredited Sources for special processes.

Q4 Standard Clause: Calibration Services

Calibration services required by this order shall comply with the requirements of ISO10012-1 and/or ANSI / NCSL-Z540-1.

Unless otherwise stated on the Purchase Order or Shipping Memo, the degree of accuracy shall be in accordance with the OEM's specifications.

Q6 Standard Clause: Certificate of Compliance

The supplier shall submit a Certificate of Conformance with each shipment certifying that supplies shipped against the packing slip have been manufactured in accordance with the applicable purchase order requirements, drawings and specifications and shall, if applicable, list serial numbers of the items supplied. The Certificate of Conformance must be signed by an authorized representative of the supplier's quality management. Unless otherwise stated on the Purchase Order, it is the supplier's responsibility to ensure they are working to the current revision of the document/specification.

Q7 Standard Clause: Material Certification/Counterfeit Prevention

(A) Raw Material Suppliers or Suppliers Fabricating from Raw Materials including Original Equipment Manufacturers of non-standard electrical parts (OEMs) shall submit copy of Raw Material Certifications with each shipment certifying Chemical and Physical (C & P) Analysis identified with material lot number(s) traceable to the mill/foundry heat lot number. The certification shall be signed by an authorized representative of the supplier's quality management.

(B) Distributors or brokers that supply non-electrical standard parts, like fasteners, nuts, washers, O-rings, inserts, pins, etc., shall supply with each lot/shipment to Ametek Hughes-Treitler a certification from the Original Component Manufacturer (OCM) / Original Equipment Manufacturer (OEM) or Authorized Aftermarket Manufacturer (AAM) and be able to supply the information in item A upon request. The seller shall maintain a method of commodity and item level traceability that ensures tracking of the supply chain back to the manufacturer of the materiel being delivered per this order. This traceability method shall clearly identify the name and location of all of the supply chain intermediaries from the manufacturer to the direct source of the materiel for the seller, and shall include the manufacturer's commodity or item level identification for the item(s) such as date codes, lot codes, heat codes, serializations, unique item identifiers, or batch identifications. The buyer may

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requests tests be performed to verify authenticity.

(C) Suppliers in categories A and B above are required to retain Certificates of Conformance and Certificates of Authority and provide upon request.

(D) Any deviations from the above shall be approved by AHT Quality in writing prior to shipment.

Q8 Standard Clause DoD Programs: DFAR 252.225-7003, 252.225-7008, 252.225-7009, 252.225-7012, 252.225-7014, 252.246-7007, 252.225.7048 apply.

Q9 Standard Clause: Special Process Certifications

Special Processes Certifications shall be submitted for each lot processed with serial numbers, as applicable, processes performed, referenced specification(s) with revision level(s) and shall be signed by an authorized representative of the suppliers' quality management. Unless otherwise stated on the Purchase Order, it is the supplier's responsibility to ensure they are working to the current revision of the document/specification.

Q10 Inspection and Test Data

- A) The supplier shall submit copy of Inspection and Test Data with each shipment certifying specific test and/or inspection data for serial numbers referenced and shall be signed by an authorized representative of supplier's quality management.
- B) Interface dimensions and dimensions identified as Key Characteristics must be 100% inspected and documented, for both serialized and non-serialized parts. Sampling/AQLs are not permitted on Interface or Key Characteristic dimensions. Supplier to submit a copy of Inspection Data of Interface and Key Characteristics with each shipment and shall be signed by an authorized representative of the supplier's quality management.

Q11 Standard Clause: Record Retention

The supplier shall maintain documented information related to the manufacture, test and acceptance of product or services provided for a minimum of ten years from the end of the contract date or in accordance with AHT customer requirements as noted on the PO and within the customer's supplier quality manual as identified in these clauses unless otherwise specified. At the end of the applicable retention period records shall be disposed of in a manner that precludes their use by other than the intended parties.

Q12 Standard Clause: AS9102 First Article Inspection Report

The supplier shall submit a complete First Article Inspection (FAI) Report, in accordance with AS9102 current revision. This report must, as a minimum, include completed AS9102 Forms 1, 2 and 3, special process certifications, material certifications (must include chemical and physical analysis), a fully ballooned drawing, functional test data as required and 100% acceptance to all requirements specified on the purchase order.

When the end user is identified as Lockheed Martin FAIRs must conform to the requirements of Q2A.

Q13 Standard Clause: Workmanship, Surface Finish, Deburring and FOD

Items supplied to the AHT shall be free of nicks, dents, gouges, scratches, tool marks, mismatches, raised material, stains and contamination. Items must be produced in a fashion so there is no metal to metal contact during the production cycle. Parts must be packaged individually or in a fashion that prevents metal to metal contact and damage during shipping. Only manual deburring is permitted. Tumbling of parts is prohibited unless otherwise noted on the drawing. When not otherwise specified on the drawing AHT WP 05 and WP 99 or their AHT equivalents shall define all other workmanship requirements.

Q14 Standard Clause: Material Review Authority

Material Review Authority is not granted to the supplier without specific written approval from the AHT's authorized quality assurance and engineering representatives

Q15 Standard Clause: Nonconforming Material Waiver/Deviation

The supplier shall not ship non-conforming product prior to receiving a signed waiver/deviation approval from AHT's engineering and quality representatives. The supplier shall request the waiver/deviation form from AHT's purchasing representative and submit the completed form to the AHT.

Q16 Standard Clause: Process Changes

Changes to the supplier's system and/or processes that impact quality must be submitted for review in writing prior to shipment, to Ametek Hughes-Treitler Quality Assurance. A FAIR shall be submitted for the first shipment produced with the revised process. **Q16a Standard Clause:** Suppliers utilizing AHT approved frozen process shall notify AHT prior to making any changes to the process and shall not proceed with the new process until approved by AHT. FAIR requirements apply.

Q17 Standard Clause: Age Limited Material

All material on this purchase order having an Age Limit (Shelf Life) specified by the manufacturer, shall require the inclusion of the age limit (Shelf Life) information on the required certificate of conformance.

Q18 Standard Clause: TBD

Q19 Standard Clause: Government Tooling Control

Tooling supplied with this P.O. that is the Property of the U.S. Government shall be handled and maintained in accordance with FAR 45. Tooling shall be returned to AMETEK HUGHES-TREITLER at the completion of this P.O. Contact AMETEK HUGHES-TREITLER manufacturing engineering via the AHT buyer prior to return of Tooling for written authorization.

A Physical Inventory of all Government provided by Ametek Hughes-Treitler under this P.O. shall be performed annually and submitted to AHT's buyer each September. Any damage/loss shall be reported to Ametek Hughes-Treitler within 24 hours of the occurrence.

Q20 Standard Clause: Right of Entry

Government/Customer representatives shall have the right to perform on-site Surveillance of the seller or its subcontractors during the performance of this purchase order for the purpose of determining progress, performing surveillance, making inspections, or witness

Q21 Standard Clause: Customer and AHT Owned Tool Control

Tooling supplied with this P.O. that is the Property AHT customers or AHT shall be handled and maintained in a manner that prevents damage and degradation (corrosion e.g.). Tooling shall be returned to AMETEK HUGHES-TREITLER at the completion of this P.O. Contact AMETEK HUGHES-TREITLER manufacturing engineering via the AHT buyer prior to return of Tooling for written authorization.

A Physical Inventory of all tooling provided by Ametek Hughes-Treitler under this P.O. shall be performed annually and submitted to AHT's buyer each September. Any damage/loss shall be reported to Ametek Hughes-Treitler within 24 hours of the occurrence.

The supplier shall comply with the requirements of The Boeing Company's D950-11059-1 Production Equipment and Special Tooling Quality Standard when Boeing is identified as the asset owner via the P.O.

Q22 Standard Clause: TBD

Q23 Standard Clause: End User Identification

The supplier shall list the end user of this product or service, as noted on the AHT purchase order, on the suppliers packing slip and Certificate of Conformance

Q24 Customer Approved Sources:

Approved Sources shall be used to perform special processes in accordance with drawing and/or specifications listed in accordance with the applicable prime contractors' source approval list. If a Boeing/MDA Process Specification is listed on the drawing (ie PS13201), then Boeing D1-4426 Approved Process Sources applies.

Q25 Standard Clause: FOD Program

Suppliers are expected to implement and maintain FOD prevention practices compliant to AS9146 including the following:

Prior to closing inaccessible or obscured areas and compartments during assembly, Seller shall inspect for foreign objects/materials and ensure no FOD barriers remain embedded, e.g. embedded protective plugs. Seller shall ensure tooling, jigs, fixtures, and test or handling equipment are maintained in a state of cleanliness and repair sufficient to prevent FOD. By delivering Items to Buyer, Seller shall be deemed to have certified to Buyer that such Items are free from any foreign materials that could result in FOD.

These requirements shall be flowed down to every tier.

Q26 Standard Clause: Counterfeit Parts Prevention Program

The supplier shall have a documented Counterfeit Parts Prevention Program in place per AS5553 and AS6174.

Q27 Standard Clause: Escape Notification

The supplier shall notify AHT within 24 hours of identification of an escape or potential escape and have in place appropriate containment action. The supplier shall flow this requirement down to its sub-tier suppliers.

Q28 Standard Clause: Quality Management System Registration/Special Process Certification Notification

The supplier shall notify AHT of loss of certification, registration and/or accreditation status of its third party registered quality management system or special process certification status (Nadcap) or customer approvals within 48 hours of receiving notification of the change

Q29 Standard Clause: BAE QMS (applies when specified as End User)

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Supplier shall meet the applicable requirements of BAE QMS-JSF-141-DV and SC1 and maintain ethical business practices in procurement and sales. Record retention shall be minimum 42 years.

Q30 Standard Clause: Lockheed Martin Appendix QX and Record Retention (applies when specified as End User)

Supplier shall meet the applicable requirements of Lockheed Martin Appendix QX. It is the supplier's responsibility to ensure they are working to the correct revision of the document. Record retention shall be minimum 42 years. Features identified on drawings as "Critical Characteristics" or "Flight Safety Characteristics" shall be inspected 100%. FOD requirements per Appendix QX 10 or current later revision apply for all POs issued after 3 January 2024. For POs issued prior to 3 January 2024 Q4R applies.

In addition to AS9102, first articles shall be performed in accordance with Lockheed Martin Q2A..

Q31 Standard Clause: RTX

For product where the end user is specified as Collins, P&WA or P&WC (or other RTX entities) ASQR-01 applies.

Pratt and Whitney (applies when specified as End User)

P&W World Wide Procurement / General Instructions: Terms & Conditions Of Purchase / Appendix I – Pratt & Whitney Additional U.S. Government Flowdown Clauses apply. It is the supplier's responsibility to ensure they are working to the correct revision of the document.

For product where the end user is specified as P&WA, SQR01-01 applies.

For product where the end user is specified as P&WC, SQOP-01-01 applies

Q32 Standard Clause: Rolls Royce SABRe (applies when specified as End User)

Supplier shall meet the applicable requirements of RRES9000 (SABRe). It is the supplier's responsibility to ensure they are working to the correct revision of the document.

Suppliers shall not make design changes, outsource or subcontract design activity without documented approval from AHT design engineering.

Q33 Standard Clause: When a Rockwell Technology Systems Member Company (Collins, Pratt and Whitney, Pratt and Whitney Canada) is specified as the end user the following applies:

ASQR-09.2 UTC Production Part Approval Process (UPPAP): This specification defines requirements for validating a manufacturing or assembly process which produces parts for a Rockwell Technology System (RTS) Member company.

Q34 Standard Clause The supplier shall flow down the applicable PO and Q Clause requirements to their sub-tiers.

Q35 Standard Clause: All packages shall be marked with a printed label that contains the following information at a minimum:

The Supplier's Name; AMETEK Hughes-Treitler or catalog part number; AMETEK Hughes-Treitler PO number; Quantity, Number of Cartons (x of y) and carton weight. Packages in excess of 35 lbs (see Q36 below) shall have the word "HEAVY" on the label or the package.

Q36 Standard Clause **Individual Package Weights** shall not exceed 35 lbs. Packages that weigh in excess of 35 lbs. shall be put on a pallet (skid). Pallets shall not exceed 75 lbs. Package and pallet weights shall be visible on the shipment.

Q37 Standard Clause AS13100. When the End User is identified as: GE, Pratt & Whitney America, Rolls Royce, Safran, GKN Aerospace, Honeywell, Howmet Aerospace, IHI, MTU, or PCC, or there is a specific flow down on the PO, the requirements of AS13100 current revision apply.

REVISION SUMMARY AND APPROVALS

DATE	REVISION	REVISION SUMMARY
12/29/2017	A	Initial Release
05/09/2018	B	Revised: Created Q32 – Incorporate UTC Member ASQR-09.2 UTC Production Part Approval Process (UPPAP) requirements. (P. Baatz 05/09/2018)
01/10/2019	D	Added requirement for DFAR 252.225.7048, ITAR requirements flowdown. (T. Frye 01/10/2019)
12/13/2019	E	Revised Clause 10: Added: Interface dimension must be 100% inspected and documented. Sampling/AQLs are not permitted on interface dimensions
2/8/2021	F	Revised Q11, added acceptance note criteria on first page and Q 33 and removed reference to 2.1. Features identified on drawings as “Critical Characteristics” shall be inspected 100%.
12/01/2021	G	Revised Q29 by adding the following: Features identified on drawings as “Critical Characteristics” shall be inspected 100%.
3/10/2022	H	Revised Q10, revised/added inspection criteria for Interface and Key Characteristic dimensions.
6/15/2022	J	Added Clause Q34 FOD Prevention Program Added C to Q7 Material Certification requiring objective evidence of a counterfeit parts prevention program. Added Clause Q35 package weights
12/07/2022	K	Revised Clause Q4, added text: Unless otherwise stated on the Purchase Order or Shipping Memo, the degree of accuracy shall be in accordance with the OEM’s specifications. Revised Clause Q6, added text: Unless otherwise stated on the Purchase Order, it is the supplier’s responsibility to ensure they are working to the current revision of the document/specification. Revised Clause Q9, added text: Unless otherwise stated on the Purchase Order, it is the supplier’s responsibility to ensure they are working to the current revision of the document/specification. Corrected numbering sequencing of Clauses. (P. Baatz 12/07/2022) Revised Clause Q25, combined text from Q35. Removes duplicate requirement.
1/23/2023	L	To address AS9100 audit made significant changes to Q7: See redline
5/26/2023	M	Added 252.225-7012 and 252.225-7014 to Q8 Standard Clause DoD Programs To address Rolls Royce design audit added the following to Q32: Outsource or subcontracting of design activity shall not proceed without documented approval from AHT design engineering.
8/4/2023	N	To address P&WC audit finding: Revised: From: Q31 Standard Clause : Pratt and Whitney (applies when specified as End User) To Q31 Standard Clause : RTX Added For product where the end user is specified as Collins, P&WA or P&WC (or other RTX entities)ASQR-01 applies. For product where the end user is specified as P&WA, SQR01-01 applies.
11/3/2023	O	Added the following to Q31 For product where the end user is specified as P&WC, SQOP -01-01 applies.
5/20/2024	P	Added to Q25 the following: Prior to closing inaccessible or obscured areas and compartments during assembly, Seller shall inspect for foreign objects/materials and ensure no FOD barriers remain embedded, e.g. embedded protective plugs. Seller shall ensure tooling, jigs, fixtures, and test or handling equipment are maintained in a state of cleanliness and repair sufficient to prevent FOD. By delivering Items to Buyer, Seller shall be deemed to have certified to Buyer that such Items are free from any foreign materials that could result in FOD.

DATE	REVISION	REVISION SUMMARY
8/2/2024	R	Added "compliant to AS9146" to Q25. Added "FOD requirements per Appendix QX 10 or current later revision apply for all POs issued after 3 January 2024. For POs issued prior to 3 January 2024 Q4R applies" to Q30.
9/16/2024	S	To align with revisions to SMC 1, 2, and 3 Revised From: 1. <u>Supplier performance is based on quality and delivery.</u> a. <u>Suppliers will receive a Corrective Action Request if quality performance has greater than a maximum Defective Parts Per Million of 10,000 in a three-month rolling average and may receive a Corrective Action Request based on one non-conforming shipment.</u> b. <u>DWR submissions always require a Corrective Action as part of the submission as required by the DWR form.</u> c. <u>Suppliers who fail to meet on time performance of 95% over three consecutive months will receive a Corrective Action request.</u> To: 1. <u>Supplier performance is based on quality and delivery.</u> a. <u>Supplier performance is reviewed on a minimum annual basis for quality (DPPM) OTD and risk. Corrective actions may be issued based on the results of this review based on this review or individual rejects or late deliveries.</u> b. <u>DWR submissions always require a Corrective Action as part of the submission as required by the DWR form.</u>
3/28/2025	T	Added to Q30: or "Flight Safety Characteristics". In addition to AS9102, first articles shall be performed in accordance with Lockheed Martin Q2A.. Added to Q12: When the end user is identified as Lockheed Martin FAIRs must conform to the requirements of Q2A.
5/29/2025	U	Added the following: <u>Q35 Standard Clause:</u> All packages shall be marked with a printed label that contains the following information at a minimum: The Supplier's Name; AMETEK Hughes-Treitler or catalog part number; AMETEK Hughes-Treitler PO number; Quantity; Number of Cartons (x of y) and carton weight. Packages in excess of 35 lbs (see Q36 below) shall have the word "HEAVY" on the label or the package.
7/17/2025	V	Added: <u>Q37 Standard Clause</u> AS13100. When the End User is identified as: GE, Pratt & Whitney America, Rolls Royce, Safran, GKN Aerospace, Honeywell, Howmet Aerospace, IHI, MTU, or PCC, or there is a specific flow down on the PO, the requirements of AS13100 current revision apply.
8/4/2025	W	Responding to PWA audit finding by adding the following to Q1 and Q2: Suppliers may anonymously raise any concerns regarding ethical behavior as it relates to AMETEK Hughes-Treitler, its products, product quality, product safety or its employees to the AMETEK corporate Hot Line: 1 (800)461-9330.
5/6/2026	X	Added to address The Boeing Company tooling requirements <u>Q21 Standard Clause:</u> Customer and AHT Owned Tool Control Tooling supplied with this P.O. that is the Property AHT customers or AHT shall be handled and maintained in a manner that prevents damage and degradation (corrosion e.g.). Tooling shall be returned to AMETEK HUGHES-TREITLER at the completion of this P.O. Contact AMETEK HUGHES-TREITLER manufacturing engineering via the AHT buyer prior to return of Tooling for written authorization. A Physical Inventory of all tooling provided by Ametek Hughes-Treitler under this P.O. shall be performed annually and submitted to AHT's buyer each September. Any damage/loss shall be reported to Ametek Hughes-Treitler within 24 hours of the occurrence. The supplier shall comply with the requirements of The Boeing Company's D950-11059-1 Production Equipment and Special Tooling Quality Standard when Boeing is identified as the asset owner via the P.O.
9/18/2026	Y	In Q32 changed RR9000 to RRES9000

