



## Modern Industries Inc.

### Fabrication of UTC Products Purchase Order Quality Requirements

1. Supplier shall notify Modern Industries' Purchasing Department when:
  - a. The PO price and suppliers quoted price are different, no price on the PO or are unable to comply with all PO and Quality Requirements. Non-Compliance may render the product unfit for use.
  - b. Any non-conformance from the requirements of the drawing specification, delivery or purchase order requirements must be reported with cause and corrective action in writing. All non-conformances shall be documented within shipping documents and individual parts specifically identified as non-conforming.
2. Modern Industries maintains a 3-day ship window on all shipments. Any shipment arriving outside this window is subject to refusal of shipment and returned to supplier at the supplier's expense.
3. Supplier shall:
  - a. Ensure all communications and correspondences with United Technologies Corporation (UTC) are conducted through Modern Industries' Purchasing and or Quality Department.
  - b. Meet all Aerospace Quality Requirements set forth by UTC.
    - **HSM17** Supplier Product-Release Programs (Random Audit Process & Authorization To Release)
    - **ASQR-01** Supplier Quality System Requirements
    - **ASQR-07.5** Control of Software
    - **ASQR-09.1** Flight Safety Parts Program
    - **ASQR-09.2** UTC Production Part Approval Process (UPPAP)
    - **ASQR-15.1** Foreign Object Damage/Debris Prevention, Handling, Storage, Packaging, Preservation and Delivery
    - **ASQR-20.1** Supplier Sampling Requirements
    - **ASQR-01 Form 4** Supplier Work Transfer Request.
    - **UTCQR-09.1** Process Certification Requirements.
  - c. Return parts, prints, documents and gages in the same containers as received unless otherwise directed in writing from Modern Industries.
  - d. Not subcontract items listed on the PO without Modern Industries' written approval.
  - e. Not change or modify without Modern Industries' written approval operations, process, manufacturing location or inspection techniques that have been identified as being Fixed, Frozen or Significant.
  - f. Ensure Customer Approved Vendors are utilized for ALL special processes.

- g. All Distributors in the supply chain shall be included on the UTC Qualified Distributor List, or be certified by an accredited CB to AS/EN/JISQ 9100 or AS/EN/JISQ 9120.
    - Supplier shall request and obtain approval using **ASQR-01 Form 9** prior to the use of any distributor not on the UTC Qualified Distributor List when procuring metals, electronics, and hardware from a distributor.
  - h. Control their sub-tiers and ensure all PO requirements are flowed down.
  - i. Maintain ALL Quality Records in accordance with **UTC ASQR-01 sec 4.2.4** or forward ALL Quality Records to Modern Industries with shipment.
  - j. When applicable; Maintain Test Specimens used for testing to assure process of product conformity as required by governing specification
  - k. Furnish certifications identifying processes performed. Certifications shall provide current specification level, items such as but not limited to thickness, hardness, results, or special process perimeters with each shipment.
  - l. Manage Process Variation - Provide SPC process charts when “Key Characteristics” are identified with a Key, Ckey or Mkey (Reference UTCQR 09.1).
4. Part(s) must meet customer drawing, specifications and current revision level.
- a. As Required by **HSM17 Paragraph 5.7.5** Supplier shall not ship production castings or forgings to Hamilton Sundstrand or another Hamilton Sundstrand supplier (Modern Industries) without having a written FAI approval from Hamilton Sundstrand Procurement Quality Assurance (PQA). Modern Industries requires this written approval to be forwarded with each First Article per sec 5.b. of this document.
  - b. Provide First Article Inspection Report (FAI) for each new part number, revision level change or a lapse in production for two years. FAI shall be performed in accordance with SAE AS9102.
  - c. Each shipment shall be accompanied with a Certificate of Conformance (MII-FRM-00111), Material Certification, Certification for each Special Process performed and Detailed Inspection Report (DIP) with corresponding “Bubbled Print”.
  - d. Qualified Personnel shall complete inspection and tests as applicable and in accordance with **ASQR-01 Sec 6.2.2**.
5. Modern Industries, it’s Customers and Regulatory Agencies reserve the right of access to the supplier’s premises to determine quality of work, records and material on parts and processes noted herein.
6. In the event of a failure including, but not limited to, form, fit or function; the supplier shall provide a written and detailed failure analysis with appropriate objective evidence upon request

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**REVISION LIST:**

| <b>DATE</b> | <b>CHANGE DESCRIPTION</b>                                                                                                                                                                                                                                            |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 04/12/2005  | Initial Release                                                                                                                                                                                                                                                      |
| 02/15/2010  | Revised the format and removed the revision level from the ISO 9001 and the AS 9100                                                                                                                                                                                  |
| 05/03/2016  | Removed lot FAI and annual FAI from 5 b. add added "lapse in production for two years"                                                                                                                                                                               |
| 09/26/2016  | Changed MII to Modern Industries.                                                                                                                                                                                                                                    |
| 4/10/2017   | Incorporated ASQR rev 10 changes. Removed ASQR-07.5 Control of Software, changed Form 4 Supplier Work Transfer Request, Updated ASQR reference paragraphs. Added paragraph 3 g.                                                                                      |
| 7/10/2017   | Corrected typing error on revision from 10/10/2017 to 7/10/2017.                                                                                                                                                                                                     |
| 4/4/2018    | Added ASQR-09.2 UTC Production Part Approval Process (UPPAP) and UTCQR-09.1 Process Certification Requirements to paragraph 3b. Revised the title for ASQR-15.1 in paragraph 3b. Revised 3i to add "Manage Process Variation -..." and "... (Reference UTCQR 09.1)". |