CASCADE ENGINEERING TECHNOLOGIES, INC.	**SUPPLIER FLOWDOWN REQUIREMENTS FOR** **Northrop Grumman Aeronautics Systems**	**POFD-003** **Rev: 01** **03/10/2025**

Scope:
This document contains the minimum requirements for QCS-001, Northrop Grumman ASPL, and NADCAP Process Sources performing work on behalf of Cascade Engineering Technologies. This document forms a part of Cascade Engineering Technologies purchase order. It is emphasized that requirements specified in this document are complementary (not alternative) to the contractual and applicable law and regulatory requirements.

SQAR & SQARSUP-0130 Requirements:
Processing to be accomplished in performance of this purchase order is directly related to a "Northrop Grumman Aeronautics Systems" purchase order and must be accomplished in accordance with process specification(s) on this purchase order and Northrop Grumman Aeronautics Systems Company SQAR & SQARSUP-0130. Processing instructions and/or planning shall include and meet, at a minimum, the requirements of SQAR & SQARSUP-0130 located at:
Northrop Grumman Quality Requirements > Appendices for each process performed.
Seller must file and maintain a copy of all purchase orders containing the above statement and make them available for review upon request.

Work Under This Purchase Order:
Work under this PO is subject to Buyer's (Cascade Engineering Technologies) and Buyer's Customer periodic surveillance/audit of Seller's compliance with Seller's internal procedures and other documents applicable to this PO. Seller shall provide access to any and all facilities where work is being performed or is scheduled to be performed. Buyer and Buyer's Customer shall have the right to perform in-process inspections, audits, or system surveillance at Seller's facility as part of verification of conformance to the requirements of this PO.

Certificate of Conformance (C of C):
As applicable, the seller must submit a Certificate of Conformance ("C of C") with a unique certification number containing the following information:
1. Title and specification number (including revision letter) of the process.
2. Name and address of the process or non-destructive testing ("NDT") facility.
3. Supplier's Lockheed Martin assigned identification number (vendor or processor code).
4. Date the C of C was issued.
5. Purchase order part number.
6. Quantity of parts (to include quantity accepted/rejected).
7. Signature and title of authorized quality agent of Seller.
8. Fracture durability classification or serialization, when required.

Foreign Object Debris (FOD) Prevention Program:
Seller shall maintain a FOD prevention program in compliance with NAS-412 in order to prevent, detect and remove foreign objects throughout all processes. This program shall include the review of design and manufacturing processes to identify and eliminate foreign object entrapment areas and paths through which foreign objects can migrate. Seller shall ensure work is accomplished in a manner preventing foreign objects or material in deliverable items. Work areas, tools, parts, and materials must be controlled to preclude the risk of FOD incidents. All FOD incidents must be documented and investigated to ensure elimination of the root cause.

Counterfeit Prevention and Certified Materials:
Seller shall establish and maintain a Counterfeit Prevention and Control Plan (CPCP) AS6174 (Ref. elements of Section 3) to ensure that Counterfeit Work is not delivered to Buyer. Seller's CPCP shall document the processes used to prevent, detect, mitigate, disposition, and report suspected or confirmed counterfeit parts, materials, or assemblies containing the same.
As communicated in QJ, the Process Source shall establish and maintain controls to prevent the use of non-certified materials, expired time-sensitive materials and materials which have exceeded temperature requirements when using certified materials (i.e. EMAP).

Inspection and Validation of Product/Process:
The seller must develop and maintain a documented process to inspect and test activities that confirm product or process compliance with specified requirements. Product acceptance inspection may require up to 100% for all characteristics. The product or process must be inspected to ensure alignment with the purchase order, contract, drawings, and specifications. Inspection activities must be traceable to the individual responsible for acceptance, and the data in the reports must meet applicable specification standards when certification test reports are used to approve materials. If any goods are found at any time to be defective in material or workmanship or otherwise not in conformity with the requirements, processor shall notify CET immediately for disposition. Additionally, appropriate controls shall be established for acceptance media, such as stamps, electronic signatures, and similar methods.

Traceability:
The Process Source must establish and sustain a method to identify products or lots using appropriate means from receipt through all stages of production and delivery. Traceability must be preserved throughout the entire process when Cascade Engineering serialization is provided. Additionally, accountability and configuration control of all parts must be maintained during every phase of processing. The process must also include documentation and control measures for split orders.

Preservation of Product:
As per PM-5010, the seller must establish and maintain a process for handling, storing, packaging, preserving, and delivering products to prevent damage or deterioration. This process must also include measures to prevent, detect, and eliminate foreign objects throughout all processes. When packaging or special handling requirements are specified in CET purchase order documents or work instructions, the seller is required to comply. If compliance is not feasible, the seller must notify CET in advance.