The following are modifications to the Quality Assurance Provisions (QAP) listed on the Purchase order. These modifications supersede the QAPs as shown below. QAPs listed below that do not appear on the purchase order do not apply.

**Quality Assurance Provisions modifications**

1. **01Q000A, DISCREPANT AND NONCONFORMING ARTICLES**
   a. All critical, major and minor nonconformances, deviations and waivers will be contractually submitted to the Northrop Grumman Innovation Systems Procurement Representative for approval.

2. **01Q003, GOVERNMENT SOURCE INSPECTION REQUIRED**
   a. If imposed, these requirements will be issued by the NGIS DCMA office to the Government inspection office servicing the supplier's facility.

3. **01Q005, APPROVAL OF PLANNING**
   a. Class I and Class II changes shall be approved by the buyer prior to implementation.
   b. In addition, the subcontractor’s Acceptance Test Plans (ATP) will contain, as a minimum:
      i. Test sequence.
      ii. Sample data sheets.
      iii. Quantity of test samples.
         1. 100% testing
         2. Lot acceptance
            a. Definition of lot
            b. Determination of lot sample size

4. **01Q000A, DOCUMENTATION RETENTION**
   a. The records shall be maintained for a minimum of 10 years after the date of completion of this purchase order.
5. **QAP-013B, CERTIFICATION/DOCUMENTATION LOG**

Minimum Certification Requirements:

a. Certification of Conformance (reference 01Q010 or 01Q011)

b. Configuration Record containing, as a minimum for each part:
   description, part number, revision, traceability information, and MRB
   information. Provide NGIS with copy of top level drawings used for
   each part.

c. Acceptance Test Procedure (ATP) data

d. Material Review Board (MRB) activity

e. Deliverable items containing energetics or explosives shall include all
   information required to complete form DD1650 in accordance with
   MIL-STD-1168.

f. The logbook shall be shipped with the deliverable item.

6. **01Q017B, CERTIFICATION REVIEW Prior to shipment**

If NGIS source inspection (01Q002A or 01Q002E) is waived or not
required, CERTIFICATION REVIEW Prior to shipment shall be required.

**Other Requirements**

7. Traceability. Parts, components and materials included in the deliverable
   product will be traceable to their source and to all available objective evidence
   of acceptability. Parts will be identified with the part number (including dash
   number), revision, and serial number and/or lot number.

8. Software and Firmware Quality Control Program. The subcontractor shall
   have a process to control the quality of software and/or firmware to produce
   and/or test delivered products. The subcontractor shall be able to show that
   the software and/or firmware process provides mechanisms for correctness
   verification of the software and/or firmware, as well as providing
   configuration control of the software and/or firmware. The subcontractor
   shall insure that only properly approved versions of the software and/or
   firmware are available for testing delivered products.

9. Statistical Process Control (SPC). The supplier may develop, document and
   implement a process control and improvement plan for all material supplied
   on this purchase order. Applicable processes may be evaluated using SPC
   techniques (capability studies) in order to ensure that problems are detected
   early and that the quality and reliability of physical and functional attributes at
   all levels of assembly are maintained. The process control and improvement
plan may include justification when capability studies indicate that the application of statistical techniques would be a non-value added task.

10 Pure Tin Finishes. Electronic, electrical, electromechanical and mechanical piece parts and assemblies, including the internal fabrication of hardware, delivered under the provisions of this purchase order **shall not have pure tin finishes.** Any tin-lead plating or solder process/processing shall result in a finish of **no less than 3% lead** composition. This applies to component leads and terminations, carriers, bodies, cages, brackets, housings, mechanical items hardware (nuts, screws, bolts), etc. **The subcontractor shall provide a statement of compliance to this provision via the Certificate of Conformance (C of C) with each shipment.** The subcontractor shall be responsible for managing compliance with this requirement with sub-tier suppliers, and provide evidence of the appropriate flow-down and management of this requirement to the satisfaction of the buyer.

11 Alerts and Advisories. The supplier shall participate in GIDEP in accordance with MIL-STD-1556, GIDEP Contractor Participation Requirements. The supplier shall assure that substandard products are not used in hardware provided to NGIS, by taking corrective action in response to Alerts, Safe-Alerts, Problem Advisories and Product Change Notices in all instances where there is an impact on this purchase order. The supplier shall respond to NGIS requests for information regarding MDA or other customer advisories as required.

12 Training and Certification. The supplier shall implement and maintain training and certification programs, as required, based on the type of hardware manufactured and operations performed to ensure that personnel have the necessary skill and knowledge to perform their assigned duties.

13 Risk Management and Metrics. Supplier shall establish and maintain a risk management program to continuously identify, analyze, mitigate, monitor, and report systems engineering process, product, technology, cost, schedule and other program risks as deemed necessary by the product manufactured. Supplier shall notify NGIS buyer of any known risks and the mitigation taken for tracking purposes by NGIS. Results of the risk management process shall be used for continuous improvement and risk reduction. NGIS representatives will be allowed to review at their discretion.