

<b>QED/inc.</b>	<b>QUALITY ASSURANCE PROVISIONS</b>	
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## **I PURPOSE**

This work instruction is to provide quality assurance requirements information to be part of all Purchase orders generated by QED personnel. A copy of this WI shall be posted on the QED, Inc. website. QED purchase orders will reference appropriate QAP's for all goods and services that are to be used in QED manufactured products. It will be the suppliers responsibility to access the applicable referenced QAPs.

## **II SCOPE**

This work instruction establishes definitions for each code printed or recorded on QED purchase order form.

## **III Product category**

### **A**

Products or services that conform to purchasing documents that are verified at QED by reviewing the certification supplied by the supplier (i.e. Calibration, Plating, Heat-treat, Nondestructive testing, Military or other non-QED/inc. specifications, etc.)

### **B**

Product or services that conform to purchasing documents requiring verification upon receipt at QED (i.e. Sub assemblies, parts made for QED based on QED/inc. Drawings and/or QED/inc. specifications, etc.)

### **C**

Products or services that are not subject to quality review. Items in this category should never be used in a shippable product.

### **D**

Customer supplied raw material or components.

## **QAP CODES**

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Code	Description
QAP1	Government source inspection is required prior to shipping by the supplier. The supplier shall notify government representative to plan source inspection
QAP2	Chemical and Physical analysis shall be supplied with the shipment. The supplier shall provide, as a minimum, a copy of the test report and certification of chemical analyses of material.
QAP3	The supplier shall maintain a quality system that is acceptable to QED. (i.e. AS9100, ISO9001, ISO 17025, et cetera)
QAP4	The supplier shall perform and provide a copy of a 1 <sup>st</sup> article inspection to the requirements noted on the purchase order.
QAP5	The supplier shall provide a Certificate of Compliance. (C of C) Each shipment shall be accompanied by one signed and legible copy of a Certification of Compliance identifying the process and/or material, the purchase order number, and the specification to which they conform. Material will not be processed until a certificate is received.
QAP6	The supplier shall maintain raw material records. These shall be maintained on file by supplier and identify lot number, material type, specification, heat number, et cetera. (as appropriate to the products supplied).
QAP7	The supplier shall establish handling procedures to protect threads, machined surfaces, sealing surfaces and other critical attributes during manufacture, processing and shipment of QED products.
QAP8	The supplier shall inspect and verify key characteristics. (These features shall be identified on the purchase order and designated with "KEY" symbol). Statistical process control and capability measures are required to be furnished by the supplier of such products.
QAP9	The supplier shall maintain a Software control Plan in accordance with or compliant to the QED Quality System Manual.
QAP10	The supplier shall report and obtain approval for all changes that may affect QED purchases prior to implementation (i.e. new equipment, process changes, change in supplier, relocation, etc.)
QAP11	Stripping and re-plating are not permitted without prior approval of QED.
QAP12	The supplier shall provide a copy of the MSDS with the shipment of the goods.
QAP13	The supplier shall provide information on the shelf life of the products with the shipment of the goods.
QAP14	No welding, brazing or other similar processes shall be used to rework discrepant parts without prior approval by QED.
QAP15	Specialty metals must meet the requirements of DFARS 225.872-1 and DFARS 252.225-7014.
QAP 16	The supplier shall maintain a documented counterfeit part prevention program. Electronic counterfeit avoidance plans shall be in accordance with AS5553 and AS6174.

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QAP 17	The supplier shall maintain a documented FOD prevention program. The program shall be compliant with National Aerospace Standard NAS-412: Foreign Object Damage/Foreign Object Debris (FOD) Prevention.
QAP 18	Persons carrying out purchased services or providing purchased materials shall be competent on the basis of skills, experience, and/or training and shall be aware of their contribution to product and service conformity and product safety. They shall also be aware of the importance of ethical behavior.
QAP 19	Supplier shall notify QED of nonconforming processes, products or services and obtain approval for their disposition.
QAP 20	Supplier shall use the customer-designated or approved sub-tier supplier provided in the Purchase Order instructions. Deviations are not permitted.
QAP 21	Supplier shall flow down application requirements to sub-tier suppliers
QAP 22	Supplier is required to provide test specimens. Refer to the Purchase Order for required quantity, dimensions, material, condition, etc. as applicable.