

GENERAL DYNAMICS

Ordnance and Tactical Systems

Weapons Systems Supplier Quality Requirements Site 21-Quality – Williston VT / Saco ME

Quality Clause	Revision	Phase In Date
Q73	0	04/02/2019

Q73–KPC II

Requirements

Variation management of key characteristics in accordance with AS9103 shall be performed on key characteristics or processes identified on the part or assembly drawing. The AS9103 specification with applicable forms can be found at www.sae.org. Forms provided in AS9103 or equivalent shall be used to document the results, for each part or assembly produced, of key characteristics and manufacturing process elements that influence variation in key characteristics as well as the control techniques and measurement methods. Any dimensional documentation must be in the same unit of measurement as specified in the technical data package. Copies of the AS9103 report for each lot of product produced shall be submitted to the GD-OTS SQE on a quarterly basis via SharePoint.

The supplier and/or sub-tier supplier shall execute a plan for KPCs identified on the drawing/specification. The plan shall be designed to minimize KPC variation from nominal. The supplier and/or sub-tier supplier shall implement SPC or other control measures to ensure KPCs meet a minimum Cpk of 1.33 if using SPC or a 99.9934% yield (64 ppm defective) if using other control measures. The supplier and/or sub-tier supplier shall document action plans for improvement to processes not meeting the minimum capability requirement. This shall include process monitoring of KPCs or may consist of the monitoring of other appropriate characteristics. A PowerPoint training module is available from your SQE to provide further details.