

DPD Purchase Order Addendum

Digital Dataset Requirements for Summit Aviation Inc. Suppliers

1 Boeing Contracts

- 1.1 For any contract or order for which Summit Aviation has provided Boeing authority datasets or dataset derivatives for manufacturing or product acceptance, the supplier must comply with Boeing document D6-51991, "Quality Assurance Standard for Digital Product Definition at Boeing Suppliers." This document is available at: <http://www.boeing.com/companyoffices/doingbiz/dpd.html>.
- 1.2 Prior to the release of digital data from Summit Aviation to its suppliers, the supplier shall complete Boeing's Digital Product Definition/Model Based Definition Checklist to ensure compliance with the document referenced above.
- 1.3 If the supplier is already DPD certified with Boeing, a copy of the checklist is not needed. A copy of the certification file shall be submitted to Summit Aviation to maintain on file.
- 1.4 This is to be completed by the supplier as a self-verification. However, Summit Aviation & Boeing reserve the right to conduct an on-site DPD audit shall they deem necessary.

NOTE: These requirements apply to any sub-tier suppliers that SAI's suppliers may use. This document shall be included as a quality clause in the purchase order to the sub-tier as well and they will be held to the same requirements.

2 Northrup-Grumman Corporation (NGC) Contracts

- 2.1 For any contract or order for which Summit Aviation has provided NGC authority datasets or dataset derivatives for manufacturing or product acceptance, the supplier must comply with NGC SQAR Supplement for the Control and Use of Digital Datasets. This document can be accessed at: <https://www2.northropgrumman.com/suppliers/Pages/ASQualityDocs.aspx>.
- 2.2 Prior to the release of digital data from Summit Aviation to its suppliers, the supplier shall complete NGC's "Control and Use of Digital Data Survey Checklist" to ensure compliance with the document referenced above.
- 2.3 If the supplier is already DPD certified with NGC, a copy of the checklist is not needed. A copy of the certification file shall be submitted to Summit Aviation to maintain on file.
- 2.4 This is to be completed by the supplier as a self-verification. However, Summit Aviation & NGC reserve the right to conduct an on-site DPD audit shall they deem necessary.

NOTE: These requirements apply to any sub-tier suppliers that SAI's suppliers may use. This document shall be included as a quality clause in the purchase order to the sub-tier as well and they will be held to the same requirements.

3 All Other Contracts Requiring Digital Datasets

- 3.1 If the supplier is not DPD certified by an OEM and the contract requires the use of any digital datasets, they shall submit a completed copy of SAI's "7530-QSP-FORM-002, DPD Supplier Checklist" to Summit Aviation's QA department prior to the release of the digital datasets.
- 3.2 If assistance is needed in obtaining this document, contact the Summit Aviation Buyer or QA Manager.
- 3.3 Supplier's DPD approval shall be completed by SAI's Quality Assurance Manager and/or the Director of Quality. This approval shall be documented in the supplier's record in Q-Pulse.
- 3.4 The supplier shall establish and maintain a documented plan that governs receipt, usage, and distribution of product definition datasets (digital data) from PPG Aerospace Transparencies, or its customers. This plan shall ensure that the configuration of the following digital product systems are identified, controlled and recorded:
 - a. Product Acceptance Software (PAS)
 - b. Computerized Measurement Systems (CMS)
 - c. CAD/CAM Software and Datasets
 - d. Data Analysis Software
 - e. Supplier Generated Datasets (Derivative Datasets)
 - f. Datasets flowed to supplier sub-tier suppliers
- 3.5 The supplier shall develop and maintain a comprehensive audit plan for all operations affecting digital data and related documentation to assure compliance with contractual requirements, whether imposed by SAI purchase order or contract, or by direct reference to SAI customer documents.
- 3.6 All digitally defined tools, physical inspection media (check fixtures, templates, etc.) and product acceptance software will be traceable to the authority dataset and to any tool inspection datasets.
- 3.7 In the event that a customer of Summit Aviation specifies supplier compliance to specific document standards in addition to this document, these requirements will be communicated to the supplier through purchase order or contract.

NOTE: These requirements apply to any sub-tier suppliers that SAI's suppliers may use. This document shall be included as a quality clause in the purchase order to the sub-tier as well and they will be held to the same requirements.

4 Delivery of Digital Datasets

- 4.1 Once the supplier has been approved by SAI’s Quality Assurance Manager/Director of Quality, digital data can be released and retrieved through the following approved methods;
1. Delivery from SAI Buyers through the use of FileCloud,
 2. SAI provided Q-Pulse Supplier Login.
- 4.2 SAI suppliers shall include translation validation reports for the receipt of the data, any additional derivatives that are created, and a final report prior to sending the data back to Summit Aviation in the part’s certification package. This is to ensure the integrity of the data has not been compromised and that no data has been lost during any of the events mentioned above.