



**Axiom Engineering**  
**F-025 DPD / MBD Vendor Survey**

Page 1 of 4  
 Rev. New  
 Date: 10/24/2019

<b>Company Information</b>	Street	
	City, State, Zip	
	Phone	
	Fax	

<b>DPD Administrator / or Engineer</b>	Name	
	Title	
	Phone/Ext	
	Email	

Notes:

<b>DPD / MBD Information</b>	Does your company have a documented DPD / MBD system?	YES	NO
	If yes, has your DPD / MBD system been approved by a major customer (Boeing, Spirit, Grumman, Lockheed, etc.)?	YES	NO
	List the major customers who have approved your DPD / MBD system below:		
	Notes:		

If you have indicated that your company's DPD/MBD system has not been approved by a major customer, please complete section A of the survey. If you have indicated above that your company's DPD/MBD system has been approved by a major customer stop here and send this form and approval documentation to [info@axiomeng.com](mailto:info@axiomeng.com)

<b>DPD / MBD Information Completed By:</b>		
	PRINT	SIGN
<b>Title:</b>		
<b>Date Completed:</b>		



**SECTION A QUESTIONNAIRE BEGINS BELOW**



<b>Section A:</b> Mark Yes / No / NA to the questions pertaining to your current digital product definition system.				
No.	Requirement	Yes	No	N/A
<b>A. Digital Product Definition (DPD):</b>				
1	Is there a process to control configuration of datasets from receipt throughout the manufacturing and acceptance processes?			
2	Does the supplier verify dataset translations?			
3	Does the supplier have a process that includes control of obsolete datasets and dataset derivatives?			
4	Does the supplier have a process to control configuration of dataset derivative media?			
5	Are dataset derivatives traceable back to the current master dataset?			
6	Does the supplier have a process to verify dimensional accuracy of dataset derivatives, including plotted media, as compared to the master dataset?			
7	Is the supplier's CAD system software compatible with Boeing site(s) design system software when required?			



**Axiom Engineering**  
**F-025 DPD / MBD Vendor Survey**

Page 3 of 4  
 Rev. New  
 Date: 10/24/2019

8	Is there a process in place to validate product acceptance software?			
9	When CMS operations are performed in a non-controlled environment, does the process compensate for environmental variation?			
10	Does the supplier have a corrective action process for resolution of software and dataset issues?			
11	Does the planning process document traceability to the current master dataset?			
12	Does the supplier have a process to ensure verification of all engineering feature requirements of the master dataset?			
13	Is there a process to maintain configuration of digitally defined tools to the current master dataset?			
14	Is there a process to periodically verify accuracy and repeatability of digitally defined tooling used as media of inspection?			
15	Does the supplier have a process to flow down DPD requirements to sub-tier suppliers who receive digital data?			
16	Does the supplier have a process to assess, monitor and control sub-tier compliance with DPD requirements?			
17	Has the supplier identified specific training requirements for all functions associated with use and control of digital datasets?			

**B. Portable Coordinate Measurement Systems (PCMS):**

1	Does the supplier have a process to control critical functions of the PCMS? (e.g., temperature compensation / scaling, targeting, data collection parameters, operator calibration / field checks, manipulating of coordinate systems, data format and storage, and multi station setups)			
2	Are scale bars of comparable coefficient of thermal expansion (CTE) used in the supplier's PCM			

**C. Model Based Definition (MBD):**

1	Does the supplier's CAD system have the ability to view annotation based on Boeing site-specific requirements			
2	Does the supplier have a process to determine when visual aides (e.g., views/sketches) are needed to supplement the master dataset?			
3	Is there a process in place to document FAI's for product produced from MBD datasets?			



**Axiom Engineering**  
**F-025 DPD / MBD Vendor Survey**

Page 4 of 4  
 Rev. New  
 Date: 10/24/2019

4	Does the supplier have a process to assure sub-tier suppliers' ability to work with MBD information			
5	Has the supplier identified specific training requirements for all functions associated with use and control of MBD datasets? (e.g. planning, purchasing, contract review and Mfg.)			

**D. Best Practice (optional):**

1	Are terminals for viewing datasets available on the manufacturing floor?			
2	Is simulation software being used?			
3	Does the supplier have a process to assure parts are machined to nominal? (e.g., programming to nominal, simulation software, down-stream controls, weighing parts)			
4	Is there a process to install Enhanced Reference Systems when used on large assembly tools?			
5	Is coordinate measurement system equipment used to troubleshoot problems with tooling and/or problems throughout the manufacturing process?			

Send this completed form to [info@axiomeng.com](mailto:info@axiomeng.com)

VES Completed By:	
Title:	
Date Completed:	

Axiom Engineering Use Only.

VES Verified By:				
	PRINT		SIGN	
Title:				
Vendor Approved:	YES	NO	Other:	
Notes:				