

Notice to Suppliers



Introduction of Model based Definition Technical Data Package

Originator: Phil Dawson
Job Title: Chief of Model Based Enterprise
Business Unit: Civil Aerospace

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For the attention of **Manufacturing Manager, Engineering Manager and Quality Manager**

Dear Sir or Madam,

Scope/Applicability:

All suppliers to our Civil Aerospace supply chain

Introduction:

Rolls-Royce will transition to the use of Model Based Definition for the issue of engineering definitions from 18th November 2019. From this date onwards, the technical data package delivered to suppliers will include technical definitions available in various CAD formats, including 3Dpdf, which will replace the traditional 2D drawing definition format. All technical content (dimensional and specification references/notes etc.) will be detailed in the available formats. Rolls-Royce will cease to issue traditional 2D drawings for parts created in the CAD/3Dpdf formats. The technical data package will also contain supplementary file types which include 3d geometry with Product Manufacturing Information (PMI). This has the potential to enable advanced techniques for consumption of this data.

Note: Initially the transition to Model Based Definition will be for new part numbers only. Existing part numbers with existing 2D definition will continue to be updated in their original format where a drawing revision is required.

Note: CAD formats available: NX Part File, Step 242, Step 203, JT and 3D PDF

For further information please contact: MBECapability@rolls-royce.com, or visit the *Digital Supply Chain App*, which covers the key concepts and soon an introductory video for MBD will be added. The video can also be requested through ForumPass via the relevant MEP.

Action Required:

All Civil Aerospace suppliers to ensure they are trained to interpret and consume either the CAD formats or the new 3Dpdf definition format.

Introductory communications for 3Dpdf interpretation will be offered by Rolls-Royce to all suppliers who require it. Please ensure suitably qualified supplier representatives' attend the sessions offered by Rolls-Royce.

NTS Category:

Engineering / Technical

Authorised by:

Nick Straker
Head of Model Based Definition/Enterprise