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Model Based Aviation Equipment Research and Development – Technical Data Package

基于模型的航空装备研制 技术数据包

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Model Based Aviation Equipment Research and Development – Technical Data Package

1 Scope

This Standard specifies the contents, organization and requirements for the technical data package of the model-based aviation equipment research and development product (hereinafter referred to as “technical data package”).

This Standard is applicable to the creation and management of the technical data package for the aviation equipment research and development enterprise.

2 Normative References

The following documents are essential to the application of this document. For the dated documents, only the versions with the dates indicated are applicable to this document; for the undated documents, only the latest version (including all the amendments) are applicable to this document.

GB/T 18725 Manufacturing Information - Technical Terminology

GB/T 36252-2018 Model Based Aviation Equipment Research and Development
– Digital Product Definition Principles

3 Terms and Definitions

The following terms and definitions stipulated in GB/T 18725 are applicable to this document.

3.1 Technical data package; TDP

The collection of one or more digitized files.

NOTE: It mainly includes the part and component models of product, data distribution sheet, etc.

3.2 Data distribution sheet

List of files and descriptions in the technical data package.

4 Content Elements

The technical data package generally included:

- a) Model data, as per the contents in 4.2 of GB/T 36252-2018;
- b) Technical document data;
- c) Management data;
- d) Other data.

5 Management Requirements

5.1 Division modes

5.1.1 Division by segments

According to the segment of the aircraft, the data is packaged, such as head data package; the package of segment can also be further divided, such as 11-frame data package.

5.1.2 Division by design modules

According to the aircraft division modules, the data is packaged, such as upper wall plate.

5.1.3 Division by affiliation

According to the affiliation of the aircraft, the data is packaged as per the components (systems) or sub-components (sub-systems) of the aircraft.

5.1.4 Division by change of effect range

According to the change of effect range, the post-changed single or several parts, components are packaged.

5.1.5 Division by work breakdown structure or contract

According to the work division or contract, the data is package.

5.2 Identification

5.2.1 Naming rules

The naming of the technical data package shall meet the following requirements:

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