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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 37003.1-2018

**Document management -- Engineering document format using
PDF -- Part 1: Use of PDF1.6 (PDF/E-1)**

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Foreword

GB/T 37003 "Document Management Document Format for Document Management" is divided into the following sections.

--- Part 1. Use of PDF1.6 (PDF/E-1);

--- Part 2. Support for long-term preservation (PDF/E-2) in ISO 32000-2.

This part is the first part of GB/T 37003.

This part is drafted in accordance with the rules given in GB/T 1.1-2009.

This section uses the translation method equivalent to ISO 24517-1.2008 "Documentation Management Document Format PDF Part 1

Points. Use of PDF1.6 (PDF/E-1).

Introduction

GB/T 37003 defines a file format for various groups using engineering documents for PDF-based engineering documents.

Exchange. The standard consists of several parts, and the subsequent parts will cover future workflow and data requirements. Whether in the company

Or extended to partner companies, suppliers, customers, government organizations and citizens, the adoption of GB/T 37003 can enhance the internal workings of engineering workflow

File exchange, collaboration and print accuracy improve engineering workflow efficiency and integrate different complex documents to increase productivity and productivity

The ability of the market to deliver better products faster. The standard defines the requirements, recommendations, restrictions in creating, viewing, marking, printing, and transferring engineering documents.

And forbidden PDF features, taking into account the different needs of interactive and non-interactive readers.

GB/T 37003 proposes the correct way to display and print engineering documents using PDF. Also defined in compliance with standards

A framework for describing the logical structure and other semantic information of a project document.

GB/T 37003 is intended to provide a format for the development of various applications, such as reading, rendering, writing, printing and verifying documents.

No products that meet the PDF specifications. Different products will integrate various functions to prepare, interpret and process compliance objects. Adobe

Systems has published the PDF specification. Due to its inclusive and feature-rich features, the format requires additional use.

Restrictions to make it suitable for engineering workflow documentation.

PDF/E enables engineering professionals to reliably create, exchange, and review engineering documents, including large format documents. PDF/E let the organization

Work more efficiently when creating or exchanging engineering documents.

Document management adopts PDF engineering document format

Part 1. Use of PDF1.6 (PDF/E-1)

1 Scope

This part of GB/T 37003 specifies the use of Portable Document Format (PDF) version 1.6 in the generation of engineering documents.

This section does not define the following aspects.

- Electronic publishing method;
- A method of converting paper or electronic documents into PDF/E format;
- Specific technical design, user interface or software implementation;
- required computer hardware and/or operating system;
- PDF/E file or reader consistency check method.

2 Normative references

The following documents are indispensable for the application of this document. For dated references, only dated versions apply to this article.

Pieces. For undated references, the latest edition (including all amendments) applies to this document.

GB/T 23286.1-2009 Document management format for long-term preservation of electronic documents - Part 1. PDF1.4 (PDF/A-1)

Use (ISO 19005-1:2005, IDT)

ICC.1.2004-10 (version 4.2.0.0) Image Technology Color Management - Architecture, Description Format and Data Structure, International Color Consortium

Npes.org/standards/toolspdfx.html)

Adobe PDF Reference (5th Revision 1.6) Errata, August 31, 2005 (available at. [http://](http://www.npes.org/standards/toolspdfx.html)

www.npes.org/standards/toolspdfx.html)

[Standards/toolspdfx.html](http://www.npes.org/standards/toolspdfx.html))

XMP Specification, XMPTM. Making Media Smart, Adobe Systems, Inc., September 2005 (available at. [http://](http://partners.adobe.com/public/developer/en/xmp/sdk/xmpspecification.pdf)

[Partners.adobe.com/public/developer/en/xmp/sdk/xmpspecification.pdf](http://partners.adobe.com/public/developer/en/xmp/sdk/xmpspecification.pdf))

3 Terms and definitions

The following terms and definitions apply to this document.

3.1

Reader reader

A software application that can read and process files.

3.2

PDF/E-1 Compliance Reader PDF/E-1conformingreader

A software application that reads and processes PDF1.6 (PDF/E-1) files in this section.