

Guideline (not under Configuration Control)

CAD Manual 04-0 Introduction to Design Processes

This document describes the design processes in the IO DO.

<i>Approval Process</i>			
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<i>Change Log</i>			
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v3.1	In Work	30 Jul 2009	ITER logo updated. Figure 4.2-7 renamed.
v3.2	Signed	31 Aug 2009	Error in section numbering corrected
v3.3	Signed	11 Sep 2009	Section 4.1 updated Sections 4.6 & 4.7 CMM topic heading added.
v4.0	Approved	28 Sep 2009	Section 4.6 added
v5.0	Approved	18 Jan 2010	Document split into sub-sections (new documents)



ITER CAD Manual

Section 4-0 Introduction to Design Processes

Abstract

This document introduces the design processes in the IO DO.

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Major Changes

Version	Date	Location	What
2.0			First Release
2.4	18-02-08	4.1	DWO Forms. Section 4.7 replaced by Section 5.10
2.5	19-02-08	4.1	DWO Process updated
2.6	22-04-08	4.1; 4.1.9; 4.3.1; 4.5.1	4.1 DWO template revised 4.1.9 Log book section inserted. 4.3.1 RT section inserted. 4.5.1 Draft of Plant design section added
2.7	16-05-08	4.4	Sections 4.4.1; 4.4.2; 4.4.5 updated
3.0	19-11-08	4.1, 4.2; 4.3; 4.3; 4.4; 4.5; 4.6	Figure 4.1.2 updated, Sections 4.2.3; 4.2.4.6, 4.2.6.1.6; 4.2.8.2.2/3; 4.3.2.3; 4.3.3.2; 4.4.4; 4.4.6; 4.4.7 4.5.1; 4.5.1.2; 4.5.1.3 updated Section 4.6 replaced by section 5 Table 4.2-2 updated
3.1	30-07-09	4.2.4.1	ITER logo updated. Figure 4.2-7 renamed.
3.2	31-08-09	All	Section numbering corrected
3.3	11-09-09	4.1; 4.6; 4.7	Section 4.1.1 - updated to suit the DWM system. Section 4.1.2 - was DWC process now replaced by DWR process. Section 4.1.5/6/7 – text additions & updated figure 4.1-2. Section 4.1.10 - TCM was CCB2. Fig 4.1-4 updated. Sections 4.6/7 – Topic heading added
4.0	28-09-09	4.6	Section 4.6 added.
5.0	18-01-10	all	Document split into sub-sections. Sections 4.1 to 4.7 moved to new docs

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4.0 Introduction to Design Processes

4.0.1 Foreword

This document the 'CAD Manual Section 4 - Design Processes' has been sub-divided into sub-sections. This document contains the hyperlinks to the new documents while retaining the original IDM id used for section 4.

4.0.2 Purpose

This document defines and describes the CAD design processes to be followed by participants to ITER. All participating disciplines are considered to the extent needed to fulfil the specified requirements.

Making reference to this document invokes all the sub-sections contained within this document.

4.0.3 Hyperlinks to the sub-sections

Hyperlinks to the sub-sections of the CAD Manual Section 4 - Design Processes.

[CAD Manual 04-1 Design Task Monitoring \(35P3NM\)](#)

[CAD Manual 04-2 CAD Data Structuring \(34VSEC\)](#)

[CAD Manual 04-3 Mechanical Design Methodologies \(33XVW6\)](#)

[CAD Manual 04-4 Design Work Performed by Suppliers using CATIA V5 \(35KYEJ\)](#)

[CAD Manual 04-5 - Plant Design Processes \(33PE8P\)](#)

[CAD Manual 04-6 Mechanical Design Configuration Models Management \(33ARZ2\)](#)