

MQP Procedures

Procedure for the Usage of the ITER CAD Manual

This document describes the scope & usage of the ITER CAD Manual.

Approval Process			
	Name	Action	Affiliation
Author	Mann J.	10-Jul-2008:signed	IO/DG/DIP/CIE/DO/DCC
CoAuthor			
Reviewers	Chuyanov V.	10-Jul-2008:recommended	IO/DG/DIP
	Kim Y.- H.	10-Jul-2008:recommended	IO/DG/DIP/CEP
	Tada E.	11-Jul-2008:recommended	
	Martin E.	14-Jul-2008:recommended	IO/DG/DIP/CIE/DO
	Alejaldre C.	17-Jul-2008:recommended	IO/DG/SQS
	Bora D.	17-Jul-2008:recommended	IO/DG/DIP/CHD
	Sovka J.	21-Jul-2008:recommended	IO/PDDG/CCS
Approver	Johnson G.	22-Jul-2008:recommended	IO/DG/DIP/TKM
	Holtkamp N.	22-Jul-2008:approved	
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Abstract

This document describes the scope & usage of the ITER CAD Manual.

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Name		Affiliation
Author	J. Mann	Design Office
Reviewers	C. Alejaldre	SAS DDG
	D. Bora	CHD DDG
	V. Chuyanov	FST DDG
	G. Johnson	TKM DDG
	Y-H Kim	CEP DDG
	J. Sovka	CCS Head
	E. Tada	PO Head
	E. Martin	DO Head
Approver	N. Holtkamp	PDDG

Major Changes

Version	Date	Location	What

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1 Purpose and Scope

The purpose and scope of this procedure is the introduction of the ITER CAD Manual and its usage.

The ITER CAD Manual describes the necessary DO organization & the best practices to be followed to enable an efficient and effective use of the available CAD resources to permit concurrent and collaborative design between all contributors to ITER.

The CAD Manual is a part of the ITER Quality Assurance documentation and is written for the following ITER contributors:

- i. The ITER Site and Domestic Agencies (DA) DO Members.
- ii. The ITER Management, Quality Assurance, Design Integration, Responsible Officers & Engineers and Information Technology.
- iii. The Institutes working with ITER.
- iv. The ITER Suppliers & Contractors.

The ITER CAD Manual is a living document. It will be updated as and when needed to reflect the latest developments in the area of CAD within the IO DO

2 Definitions

The ITER CAD Manual comprises of the following:

- i. The sections of the CAD Manual.
- ii. The How To documentation giving step by step guides to methodologies.
- iii. The avi files containing videos showing specific methodologies.
- iv. The Whitepapers which contain information not suitable for a how to.

3 Roles and Responsibilities

It is the responsibility of all members of the IO DO to comply with the ITER CAD Manual.

It is the responsibility of the DA to ensure compliance to the ITER CAD Manual by the DA members and all contributors outside of the IO.

Members of the IO DO have the responsibility to inform the authors of the CAD manual of any inconsistencies or errors found.

4 Process to be Followed

All members of the IO DO shall comply with the requirements, rules and methodologies contained in the ITER CAD Manual and associated documentation. The ITER CAD Manual shall be used by the members of the IO DO, IO RO, DA DO, DA RO and Suppliers.

5 Records

Compliance with this procedure will be confirmed during the design process using the following methods;

- i. The DWO reports.
- ii. The DIDO meeting.
- iii. The ITER CAD Quality Checking program.
- iv. The promotion to draft status when the CAD data files will be checked to ensure the correct methodologies have been used.
- v. The design review.
- vi. The approval of the CAD files.

6 References and Attachments/Appendices

The following hyperlink points to the CAD Manual introduction that contains hyperlinks to all the parts of the CAD Manual as defined in section 2 above.

[CAD Manual 01 – Introduction = ITER_D_249WLQ](#)