

CMII-500D

The CMII Model

CMII: The Path to Integrated Process Excellence

This is a 3-page overview of the CMII model as defined in CMII-500D which is comprised of 65 pages.

The model includes a strategic business plan which identifies 19 core business process and their owners.

The capabilities of the 19 core business processes are described with 225 operating standards.

Of the 225, 117 reside in the domain of CM and 100 need the support of enabling tools.

Of the 100, 74 reside in the domain of CM and 40 of the 100 are categorized as mandatory.

CMII-500D is a supplement to Course CMII-06 which completes the requirements for CMIIC certification.

Students that complete CMII-06 receive a copy of CMII-500D and the CM process assessment guide.

CMII-500D

The CMII Model

CMII: The Path to Integrated Process Excellence

Strategic Business Plan

Core Business Processes

CMII Operating Standards & Tool Requirements

CMII Tenets, Templates and Examples

Cover Page
by the
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NATIONAL AMERICAN UNIVERSITY

THE UNIVERSITY of
TENNESSEE 
Center for Executive Education

CMII Operating Standards & PLM Tool Requirements

Core Business Process Categories	Operating Standards	Tool Requirements	
		Total	Mandatory
1.0 As-Planned/As-Released Baselines	21	24	21
2.0 4-Tier, 9-Step Development Process	29	4	2
3.0 Naming, Numbering and Reuse	10	7	4
4.0 Data and Record Integrity	9	10	5
5.0 Validation and Release Records	9	6	3
6.0 Changes and Revision Records	30	16	5
7.0 As-Built and Verification Records	9	7	0
8.0 Information Systems	4	2	0
9.0 Facilities and Asset Management	9	5	0
10.0 Security, Safety and Environmental	9	6	0
11.0 Business Program Management	9	1	0
12.0 Research and Development Engineering	9	4	0
13.0 Marketing, Sales and Contracts	9	3	0
14.0 Supply Chain Management	9	5	0
15.0 Order Fulfillment and Verification	17	0	0
16.0 Operation, Maintenance and Logistics	9	0	0
17.0 Human Resources and Training	8	0	0
18.0 Financial Accounting and Reporting	7	0	0
19.0 Process Oversight and Internal Audit	9	0	0
Totals:	225	100	40

PLM Tools (and 5-Star Rating Scale)

1	2	3	4	5	Criteria as of Aug, 2000	Criteria as of May, 2011
*					Tool provides the mandatory elements of functionality required for CMII certification.	Tool provides the 40 mandatory elements of functionality required for CMII certification.
	*				Developer has continued to improve overall CMII functionality since initial certification.	*The tool provides at least 14 of the 60 additional elements of desired functionality.
		*			Feedback from CMII grads using and/or evaluating the tool is highly positive.	The tool provides at least 28 of the 60 additional elements of desired functionality.
			*		The as-certified tool is used internally to manage its baseline and ongoing changes.	The tool provides at least 42 of the 60 additional elements of desired functionality.
				*	Tool provides robust functionality across the full spectrum of CMII requirements.	The tool provides at least 56 of the 60 additional elements of desired functionality.

PLM Tools: Market Focus and CMII Ratings

PLM Tool Name, Provider and Website	Version Certified	1st & last ass'mts	Market Focus and Most Popular Applications	CMII Rating				
				1	2	3	4	5
KONFIG® CM Auto-trol Technology www.auto-trol.com	7.0.2	Sept, 01 TBD	To be defined	*	*	*	*	
Teamcenter Enterprise Siemens PLM Software www.plm.automation.siemens.com	5.0	Feb, 05 TBD	To be defined	*	*	*		
eB CM Bentley Systems www.enterpriseinformatics.com	14.2	Jul, 05 TBD	To be defined	*	*	*	*	
Agile PLM Oracle www.oracle.com	9.0	Sep, 05 TBD	To be defined	*	*	*	*	
ARAS PLM ARAS Corporation www.aras.com	9	Oct, 05 Sep, 08	30% Government, 70% Commercial. Industry applications include A&D, Auto, HighTech, Life Sciences, Consumer Goods, Food/Beverage. PLM suite available as enterprise open source with CMII model embedded to support CMMI Level 5, MIL-STD-973, ANSI/EIA-649 and various quality standards.	*	*	*	*	
CMIS/JCMIS NAVAIR/IGS www.navair.navy.mil/www.jcmis.net	8.0/1.0	Dec, 05 TBD	100% Government, 100% O&M. Supports the CMII process model and is compliant with DoD 5000.2, MIL-STD-973, MIL-HDBK-61A, and ANSI/EIA-649. Especially beneficial for integrating government practices into the CMII process model.	*	*	*	*	
CMstat TPT Technologies www.cmstat.com	--	Jun, 07 TBD	To be defined	*	*	*	*	
CMPRO Professional Systems Asso. www.pasasys.com	2.2	N/A Oct, 10	80% DOD, 20% DOD contractors. 70% Develop/Produce, 30% O&M. Fully supports the CMII process model, MIL-STD-973 and ANSI/EIA-649. Especially beneficial for integrating DOD practices into the CMII process model.	*	*	*	*	*
Infor PLM 8.4 Infor Global Solutions www.infor.com		Apr, 11	Infor PLM8 is a leading PLM solution geared towards the Discrete Manufacturing Industry. Infor PLM8 is a CAD Neutral Best-of-Breed PLM Solution that is fully integrated into ERP. Infor PLM provides end-to-end Business Process and Configuration Management that spans the enterprise.	In Work				