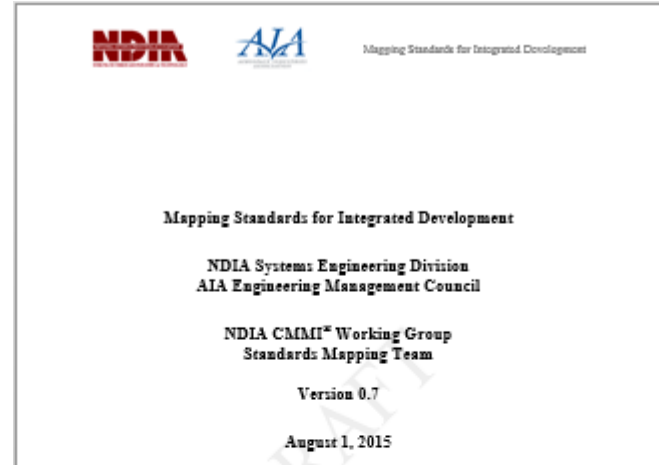# NDIA CMMI Working Group

NDIA System Engineering Division

August 26, 2015

15288 vs. CMMI Mapping Guidance

CMMI WG initiative to provide work aids for transition to IEEE 15288 standards

- Conops and guidance document
- Consensus mappings between ISO/IEC/IEEE 15288 (and DoD 15288.1 addendum) and CMMI-DEV v1.3

Seeking NDIA SE Division Steering Committee approval to publish

- Inputs due Wed Sep 2

Mapping Standards for Integrated Development

NDIA Systems Engineering Division
AIA Engineering Management Council

NDIA CMMI® Working Group
Standards Mapping Team

Version 0.7

August 1, 2015

	A	B	C	D	E	F
1	ISO/IEEE 15288:2015 to CMMI-DEV v1.3 Map (with IEEE 15288.1 additions)					
2						
3	Task ID	ISO 15288 Keywords	CMMI Practices	Conf	Aggregate Conf	Gap Comment
280	6.3.8	Quality Assurance Process				
281	6.3.8.3	Activities and tasks				
282	6.3.8.3a	Prepare for quality assurance				
283	6.3.8.3a 1	Define strategy	PPQA GP 2.2 / PPQA GP 3.1 / IPM SP 1.1 / PP SP 2.7	Strong / Strong / Medium / Weak	Strong	
284	6.3.8.3a 2	Establish independence	PPQA GP 2.4 / PPQA SP 1.1 / PPQA SP 1.2	Strong / Medium / Weak	Strong	Objectivity stressed but establishing independence not specific.
285	6.3.8.3a 3	Confirm supplier quality (added per IEEE 15288.1)	SAM SP 1.3 / QPM SP 1.1	Medium / Weak	Medium	Supplier Quality requirements not explicit in CMMI.
286	6.3.8.3b	Perform product or service evaluations				
287	6.3.8.3b 1	Evaluate product	PPQA SP 1.2 / * GP 2.9	Strong / Strong	Strong	
288	6.3.8.3b 2	Ensure conformance	VER SP 3.1 / VAL SP 2.1 / PPQA SP 1.2 / VER SP 2.2	Strong / Strong / Medium / Weak	Strong	

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Conops – IEEE 15288.1 Deployment Strategy and Integrated Standards Mappings in Acquisition

DoD

15288.1 Deployment Strategy (OSD)
- RFP language
- Tailoring guidance
- Compliance and monitoring approach

- Joint DoD/NDIA WG

Acquisition Program Office

RFP (levy tailored 15288.1)

Contract Monitoring (compliance)

- Tailoring
- 15288.x conformance

- Work products
- Activities, tasks

Industry

Companies can leverage NDIA consensus standards mappings and extend for their respective org processes and products.

Company Processes

Proposal (Org mappings to15288.x)

SEMP (Contractual)

- SEMP and org 15288.x mappings provided with proposal responses

Company mappings

Consensus mappings

Requirements	Standards				Products			Company Mappings		
	☑				☑			☑		
	☑	☑		☑		☑			☑	
		☑			☑		☑		☑	☑
	☑		☑		☑			☑	☑	☑

(15288.1 outputs only)

IEEE 15288/15288.1 Deployment Work Aids

NDIA CMMI WG

Consensus Industry Mappings among leading standards

Priority: CMMI vs. 15288

CMMI

AS9100 / ISO 9001

IEEE 15288 and .1 DoD

Publish consensus standards mappings in a format that can be extended by companies for their company-specific details.