



DIICE

Digital Innovation & Integration Center of Excellence

Driving Culture Change with Digital Training

Richard Ott, Ph.D.
Technical Director

Digital Innovation & Integration Center of Excellence

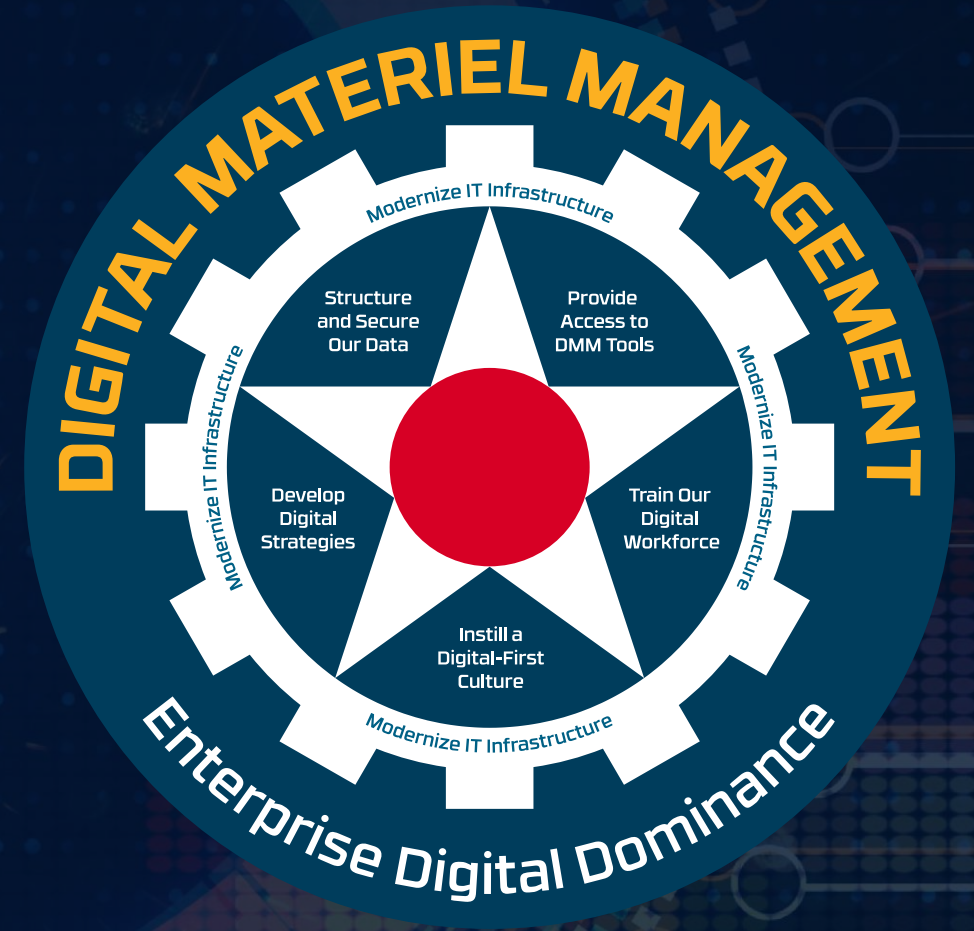


AIR FORCE INSTITUTE OF TECHNOLOGY



LOES	Structure & Secure Data	Provide Access to DMM Tools	Train Our Digital Workforce	Instill a Digital-First Culture	Develop Digital Strategies	Modernize IT Infrastructure
LOE 1: Educational Excellence	●	●	●	●	●	●
LOE 2: Research and Technology Transfer	●	●	●	●	●	●
LOE 3: Consulting	●	●	●	●	●	●
LOE 4: Best Practices	●	●	●	●	●	●

● = Directly creating and shaping outcomes ● = Influencing outcomes



DIICE LOEs directly shape DMM culture, strategy, & training



DIICE Objectives

- Support cross-functional digital strategy adoption through process digitization & education
- Facilitate DMM tool adoption through process optimization
- Enable process automation through data structure development & adoption

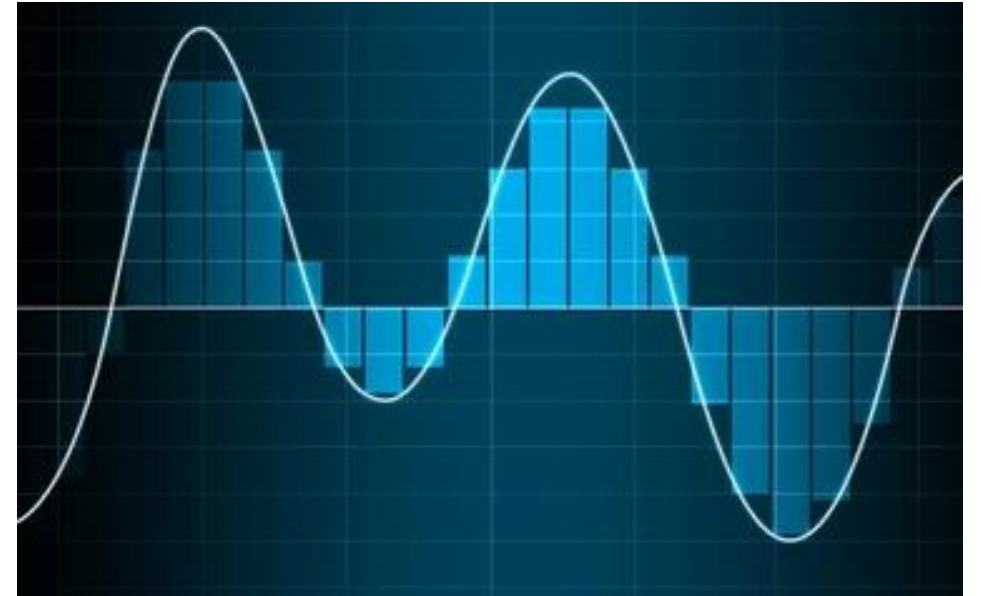
DIICE aims to demonstrate tactical outcomes of strategic DMM initiatives positioned for enterprise adoption via cross org education & process improvement.

Culture and DIICE Tactics

CULTURE

The collection of beliefs, values, behaviors, and practices that are shared by a group of people

- Analog
 - Signals or information represented by a continuously variable physical quantity
- Digital
 - Signal expressed as a scaled quantization value, at a discrete sample rate, typically representing a physical quantity
- Changing beliefs, values, behaviors, and practices...
 - Foster innovative thinking
 - Give ownership
 - Provide opportunity for accomplishment



Digital Materiel Management Academy

WHEN

Alpha Cohort
Jun 3 – Jul 12, 2024

WHY

- **Digitally Literate Force** - Need for immersive curriculum producing digitally literate multi-functional AFMC graduates
- **Digital Twin Generation** - Integrates education, tool training, & exercises to produce program digital artifacts
- **Digital Thread Generation** - Modeling towards answering program and technical milestone reviews

WHAT

WDMMA 001 Research and Early System Development

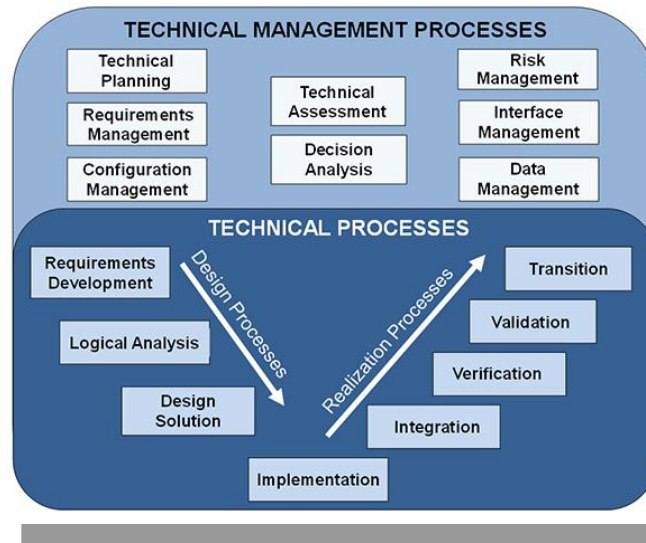
Pre Milestone-A through
~SRR

WDMMA 002 System Acquisition

~SRR through
~CDR/Fielding

WDMMA 003 System Acquisition

Fielding through Service
Life



HOW

- Delivered in an environment programs have access to – LAUNCHPAD
- Integrated product team focused curriculum, working through tool/data/IDE interoperability
- Asynchronous theoretical content delivery coupled with instructor-led “lab” time working toward program relevant application
- Pre-attendance DIICE consulting aligns data, artifacts, and objectives for participants and aids in expediting learning curve

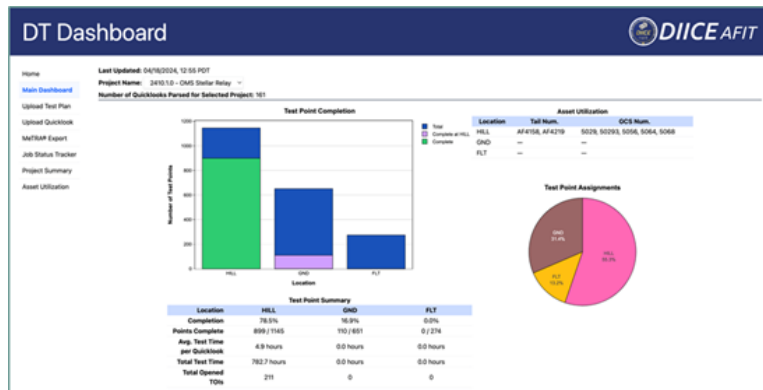




Consulting Highlights

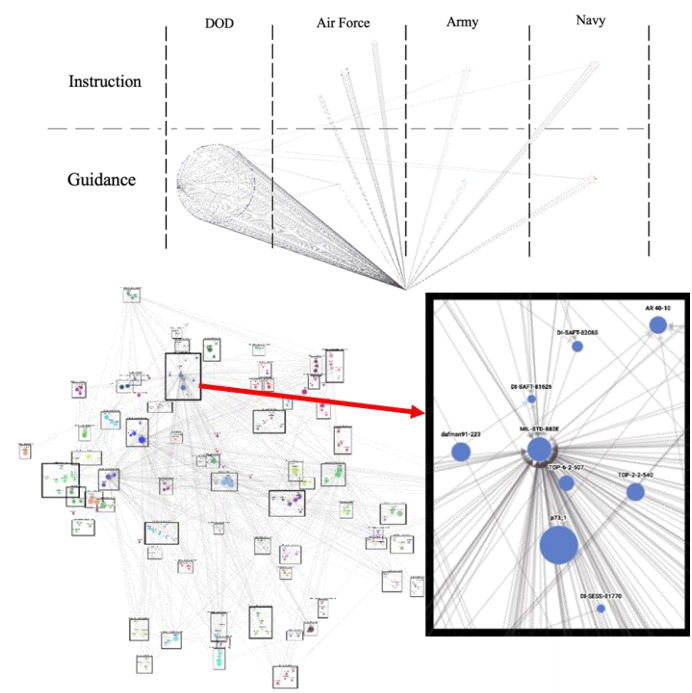
Test Dashboard

- AFLCMC/WII Detachment 3
- Effectively plan, measure, and report critical test objectives supporting execution and strategic planning
- Saved ~150-man hours/test program, ~4 FTEs annually, doubling with similar operational test load



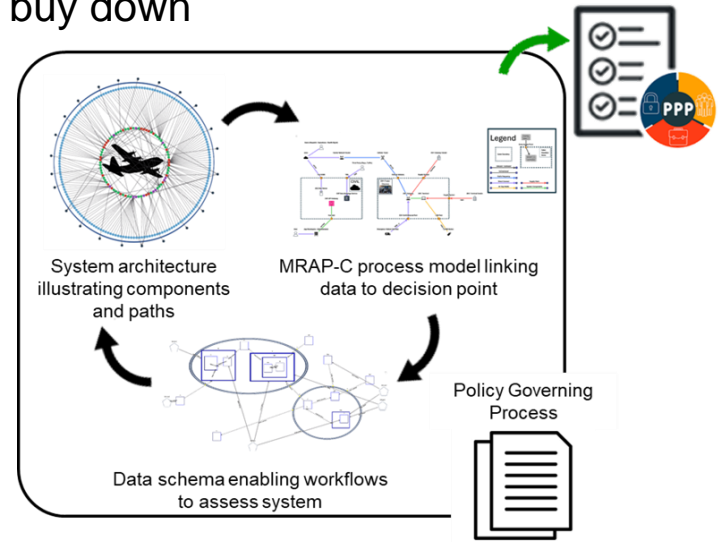
Policy Models

- SAF/AQR
- Map policy, standards, and related documentation to program points of interest
- **Reduced policy mapping from weeks down to hours**



MRAP-C Automation

- AFLCMC/WA
- Support development of a data structure capable of linking cyber assessment tools together to perform automated cyber assessment based on system config
- Will enable broader analysis and better prioritization for program risk buy down



To begin your journey,
contact us:
afit.cz.diice@us.af.mil

