



ACVIP Acquisition Management Guidance and the Open Source AADL Tool Environment (OSATE)

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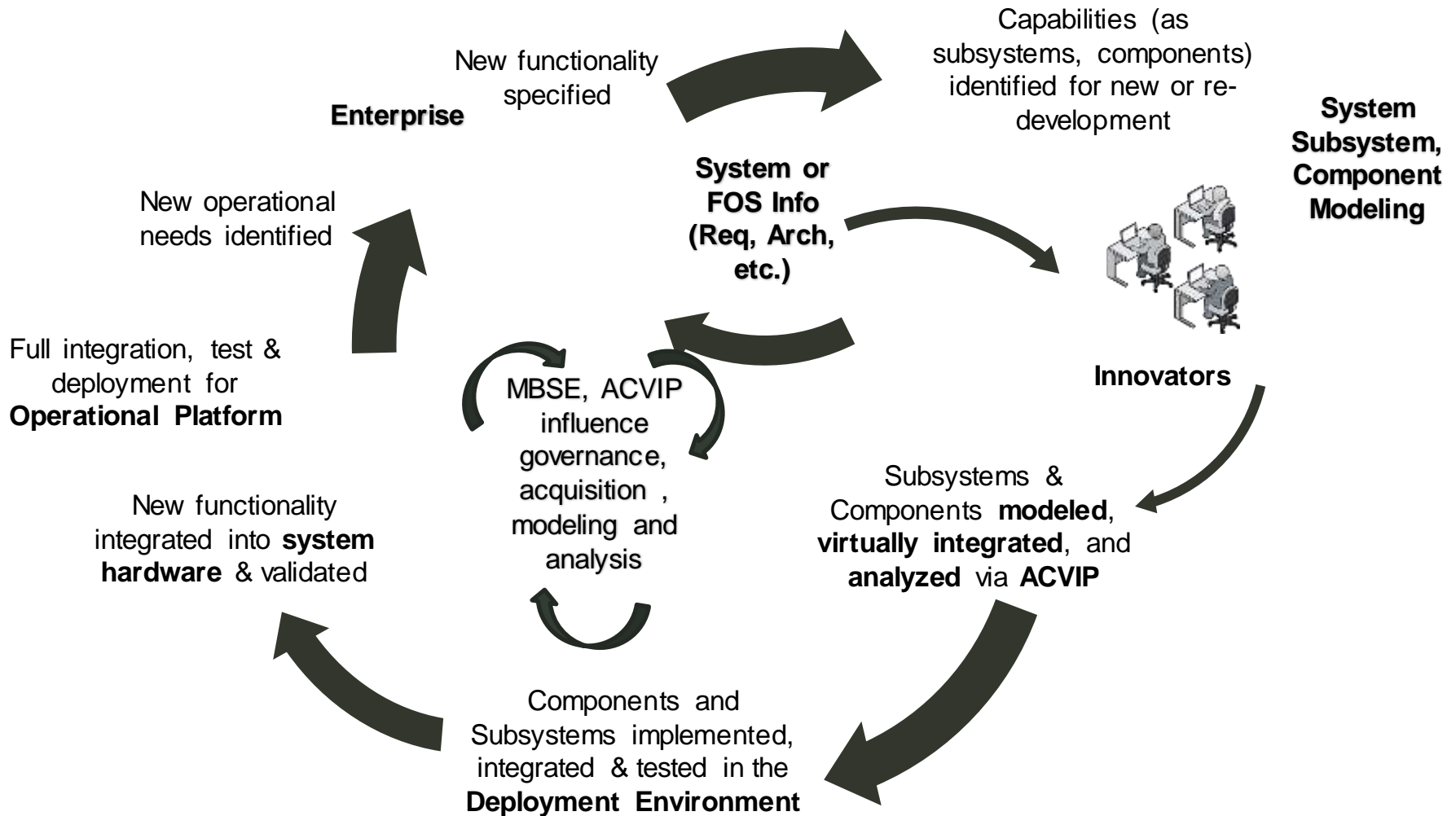
ACVIP RESEARCH, APPLICATION, AND IMPACT



- **July 2019, Dan Bailey, PM FARA Competitive Prototype, asks what must be accomplished to “get ACVIP on FARA Contract”**
- **SEI response**
 - Developed and matured tools and techniques in support of ACVIP for embedded computing systems software modeling with analysis
 - Integrated ACVIP into MBSE framework for Army Digital Engineering Transformation
 - Applied initiatives to provide proof-of-concept and prototype development to TRL-6 in multi-year SBIR and science & technology
 - Transitioned documentation, modeling, and tool support to acquisition, engineering, and operations for Major Army Acquisition

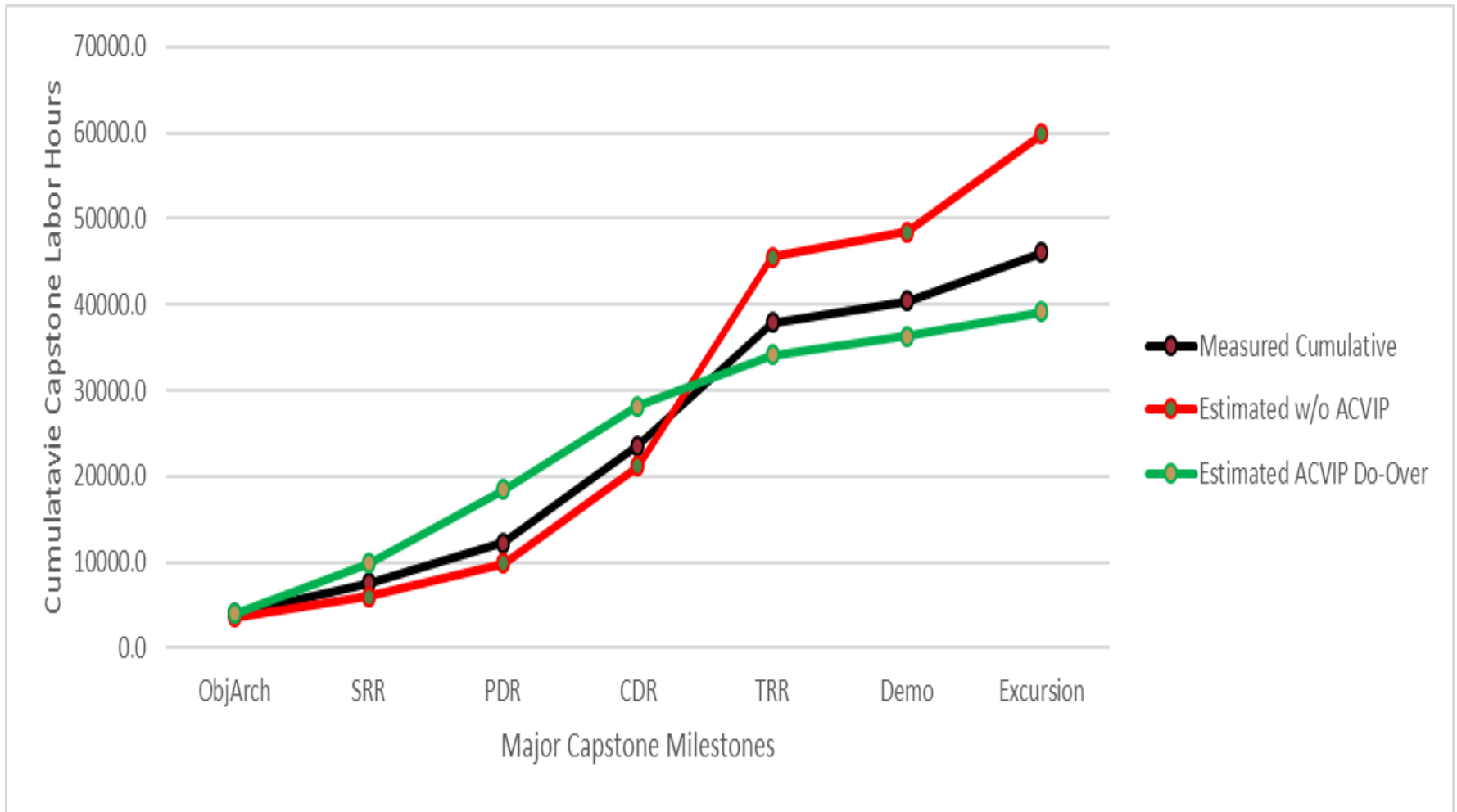


ROLE OF ACVIP IN ACQUISITIONS





ACVIP IMPACT REPORTED BY CAPSTONE CONTRACTOR





CURRENT RESEARCH AND TRANSITION DIRECTION



- **Integrate ACVIP and modeling with analysis into DoD digital transformation activities including MOSA, DEV/OPS, agile and other approaches**
- **Integrate with large scale acquisition and development programs**
- **Develop plan for applying ACVIP modeling that is not AADL- and OSATE-dependent**
- **Apply modeling with analysis to product line development to achieve systematic reuse and other MOSA objectives**
- **OSATE maturation**
 - Address new AADL standards
 - Improved graphics capabilities
 - New and validated introductory examples
 - Totally reworked analysis tools



WORKING WITH THE SEI



- **Understanding our technology**
 - Publications that document ACVIP for Digital Engineering transformation of acquisition and development
 - Acquisition Handbook (including generic ACVIP Plan and ACVIP Management Plan)
- **Using our technology**
 - Open-source tools, examples and case studies for download
 - Introductory webinars and examples
 - Web-based training
- **Digital Engineering Transformation support**
- **Contact: Matt Milazzo mdmilazzo@sei.cmu.edu**