

***Software Maintenance/Sustainment:  
Delivering Assured Warfighter Capability Across the Life Cycle***

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# DoD is in the Software Business!

“. . . the capacity of the Department of Defense (DoD) and the military commands to defend our country will depend more on their ability to develop the **best software** rather than on the physical design chosen for the weapons.”

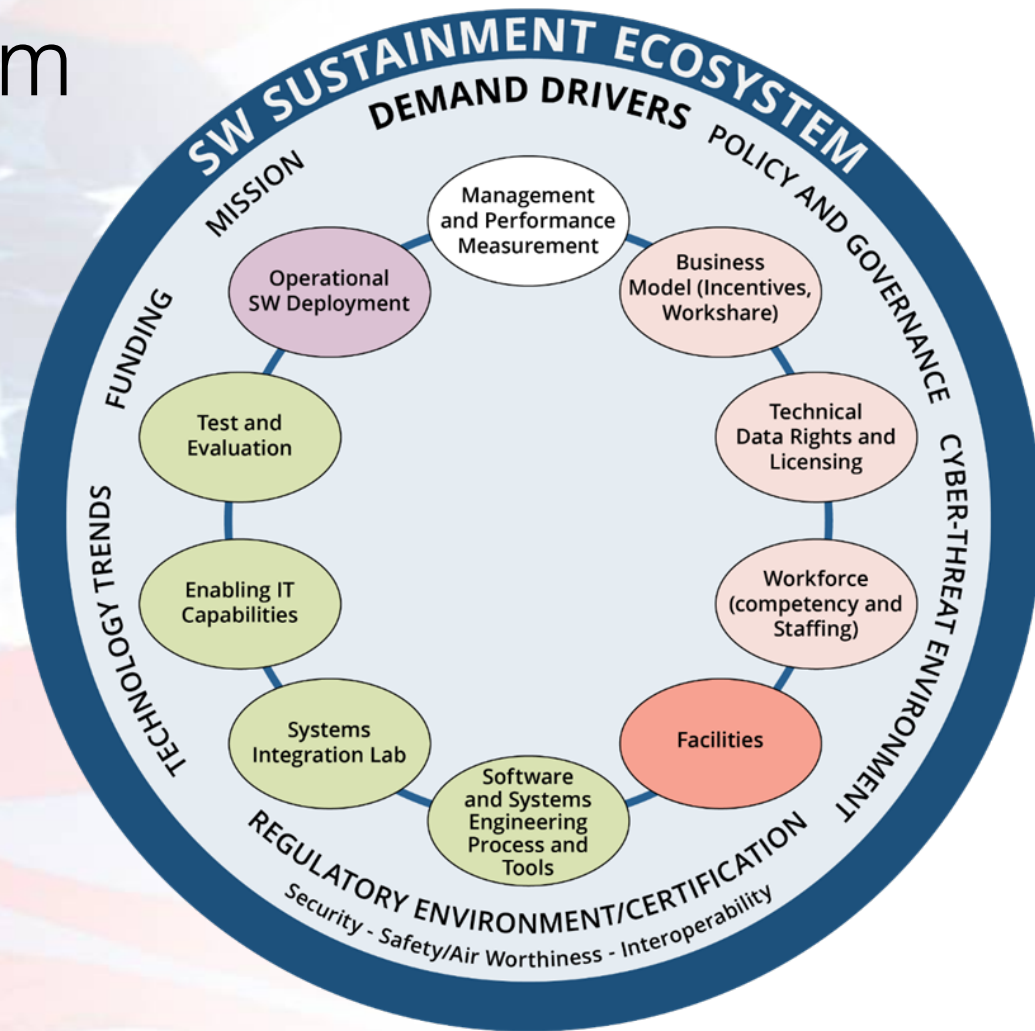
Christian Hagen and Jeff Sorensen, “Delivering Military Software Affordably,” *Defense AT&L*, March-April 2013

# For DoD, What Does it Mean to be in the SW Business?

- Be a smart buyer – acquisition
- Own the technical baseline - engineering
- *Not about Mx...about continuous software engineering across the lifecycle*
- Establish/preserve a core capability (10 USC 2464)
  - Ensure ready/controlled source of technical competence and resources; effective/timely response to mobilization, national defense contingency situation and other emergency requirements
  - Ready/controlled capability - government-owned/ government-operated, including government personnel and government-owned and government-operated equipment and facilities

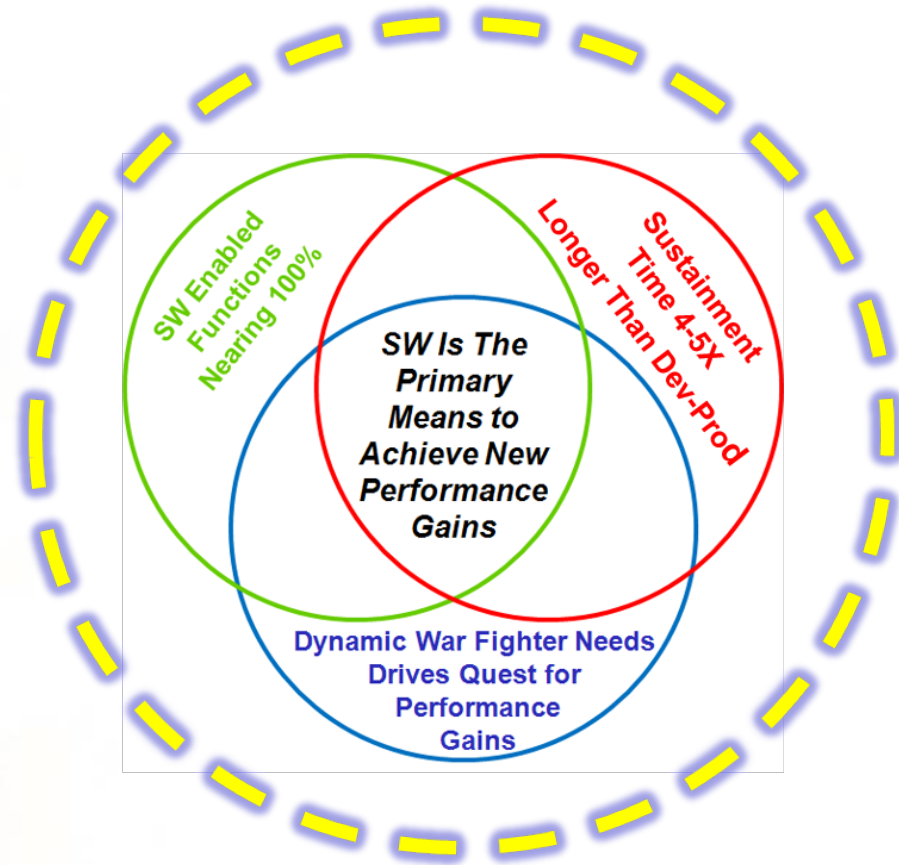
# Software Ecosystem

- Four *infrastructure elements*: Basic, fundamental resources necessary for the sustainment activities
- Three *knowledge and expertise elements*: Skill sets, the government organic workforce, access to necessary technical information needed to deliver and deploy the capabilities for the warfighter
- Three ungrouped elements:
  - Facilities
  - Operational SW Deployment
  - Mgmt / Performance Measurement



# Our Goal Today is to...

- Enhance understanding of the critical role and value of software across the life cycle
- Highlight the scope and complexity of addressing the current and coming SW sustainment tsunami
- Advance knowledge of software innovation – research and practice – to deliver speed delivery of higher quality software more affordably
  - Practitioners
  - Senior leaders to leverage innovation at enterprise level



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