



U.S. ARMY ARMAMENT RESEARCH, DEVELOPMENT, & ENGINEERING CENTER (ARDEC)



# *SERC Doctoral Fellows Program*



***TECHNOLOGY DRIVEN. WARFIGHTER FOCUSED.***

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**Director, Systems Engineering**

## MISSION

***Empower, unburden and protect the Warfighter by providing superior armaments solutions that dominate the battlefield.***

- *A full life-cycle Engineering Center; with a cross-product SE competency Directorate*
- *Support over 40 Major Customers and 1000+ fielded products*
- *Conducts State-of-the-Art Armaments Science and Technology Efforts*
- *3500+ Employees*

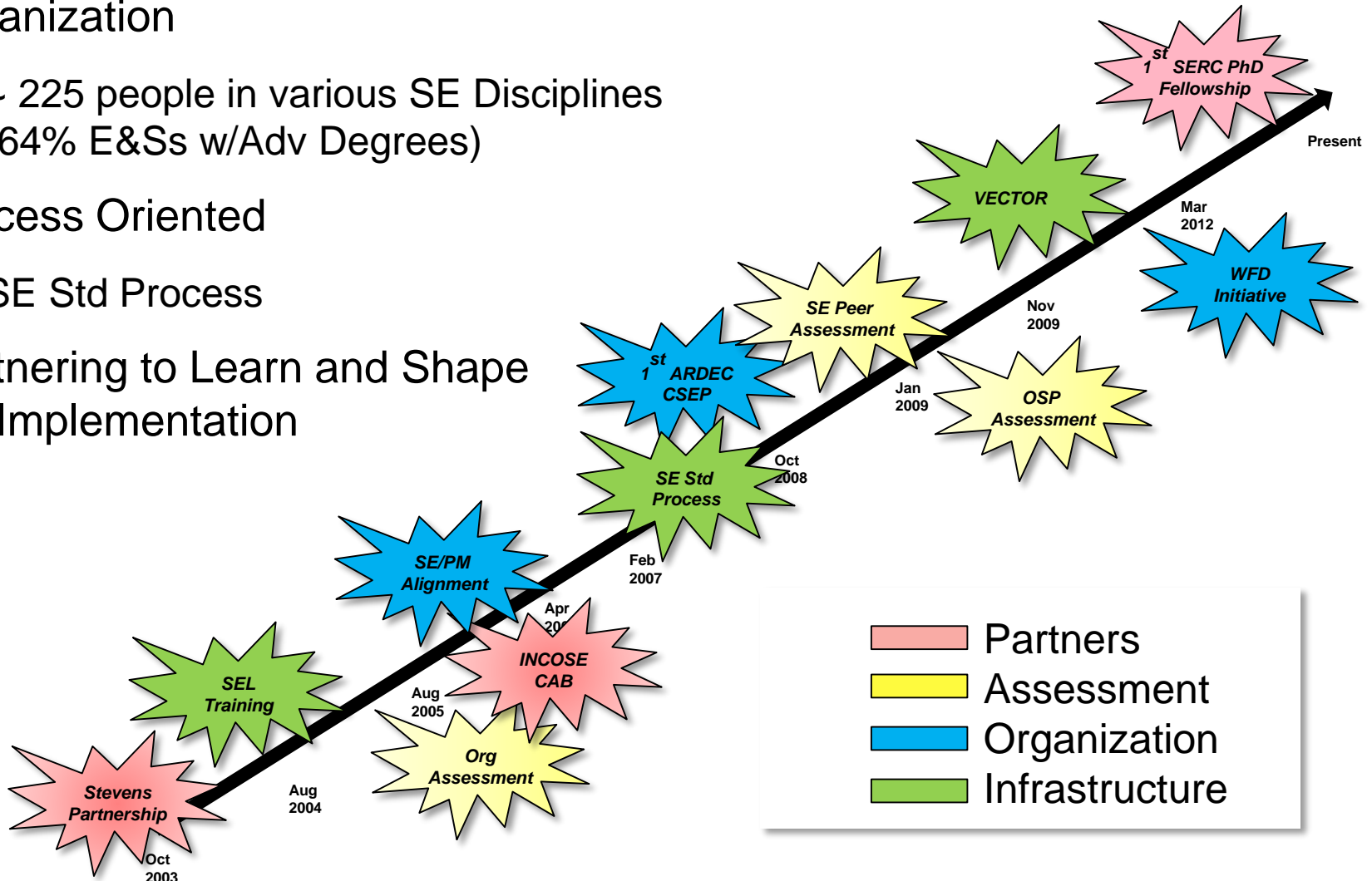


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**APPROVED FOR PUBLIC RELEASE**



- In-House Competency Based Organization
  - ~ 225 people in various SE Disciplines (64% E&Ss w/Adv Degrees)
- Process Oriented
  - SE Std Process
- Partnering to Learn and Shape SE Implementation



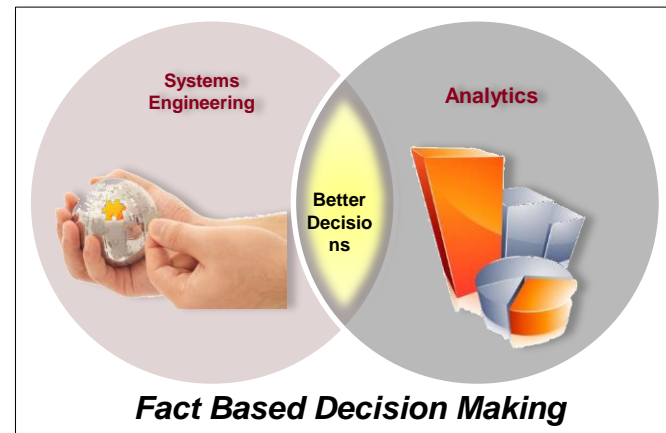
- Weapon System Acquisition Reform Act (WSARA 2009: PL 111-23)
  - Directed acquisition improvements through early SE and DP activities
- 2010 Army Acquisition Review
  - “Major Problems Hamper Acquisition”
  - Make Requirements Process Collaborative and Timely
- Integrated acquisition systems – SoSE
- Data Driven Decision Making at the Army Portfolio Acquisition Level
- “Building of the SE Bench” and Application

**2010 Army Acquisition Review Charter**

**Provide a blueprint for near-term actions to improve the efficiency and effectiveness of the Army's acquisition system, including:**

- Requirements process
- Acquisition workforce
- Organizational/policies
- Funding
- Key Acquisition processes
- External relationships and oversight
- Acquisition programs
- Assessment of recent studies and laws

**2010 Army Acquisition Review**



- Re-enforces commitment to our employees
  - Opportunity to grow and advance the career's of our workforce
  - Increases **Value** to our customers
- Exposure to the latest SE methodologies
  - Graphical CONOPS
- Introduction to the Innovators of SE capability advancements and Leaders in SE application
  - Helix Participation
  - SE training
  - SE Experience Accelerator



- We are committed to developing an organic robust and competent SE workforce
- SE will provide needed discipline and structure to improve the effectiveness and efficiency of Army Acquisition
- Our relationships with the SERC has already paid dividends; We are excited about our partnership with the SERC PhD Fellowship