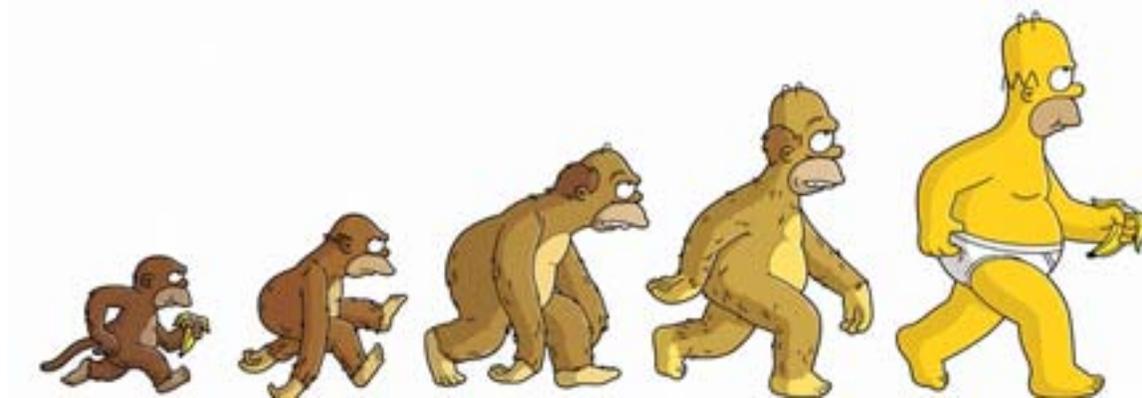


Headquarters U.S. Air Force

Integrity - Service - Excellence



From Plugfest “Plus” to Open System Acquisitions Evolving the Air Force Acquisition System

19 May 2015



U.S. AIR FORCE

Need for Change

- **AF leadership is committed to maintaining global vigilance, reach and power today and for decades to come**
- **Weapon system costs are escalating and development times increasing at an unsustainable rate**
- **AF strategy calls for “strategic agility” in all acquisition activities**
- **Air Force Acquisition Enterprise directive to become the most agile and effective acquisition force in government**
- **Office of Transformational Innovation (OTI) and Bending the Cost Curve (BTCC) Initiative formed to spur dialogue, innovation, and action**





Office of Transformational Innovation (OTI)

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- OTI goal is to identify and execute broad sweeping changes within Air Force acquisition *processes* to deliver better capability, faster and cheaper
- “Transformational” Innovation:
 - Results in marked improvement (> ~10%) over conventional practices
 - Causes a fundamental paradigm shift in an activity or organization
 - Requires as much effort to reverse as to enact
 - Engages new stakeholders and/or old stakeholders in a new way
 - Is disruptive to the status quo



Crawl



Walk



Teleport



Bending the Cost Curve Initiative

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- **BTCC includes a growing and evolving set of acquisition reform activities**
 - **All activities defined in collaboration with industry**
 - **Activities are focused on promptly achieving tangible actions**
 - **Emphasis on measurable outcomes**
- **BTCC activities identified in 3 categories:**
 - **Improve internal AF acquisition processes**
 - **Enhance interactions with industry throughout acquisition lifecycle**
 - **Expand competition among traditional and non-traditional industry partners**

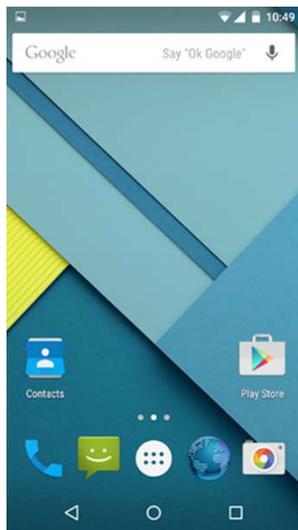




Open System Architectures

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- **Transitioning Air Force systems to open architectures is a cost, schedule, and capability imperative. But why aren't we there yet?**
 - **Agreement on standards...or even basic principles of open architectures**
 - **Archaic and cumbersome acquisition process**
 - **Archaic and cumbersome accreditation & authorization process**



Download an App using the Defense Acquisition System

- 2+ years to procure
- ~2 years for A&A

Would you buy the app...or the phone?



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PlugFest Plus (PFP)

- **PFP combines the PlugFest collaborative approach to open system development with an agile acquisition model developed by the Army Contracting Command**
- **Goal is to achieve 3 week time-to-award from PlugFest event and link to real program requirements (mission threads)**
- **Demonstrating acquisition concept with Air Force Distributed Common Ground Station (DCGS)**
 - **17 companies participating in 10 teams**
 - **14 of 17 companies identified as “non-traditional” defense contractors**
 - **Participants using virtualized DCGS environment on Hanscom AFB milCloud**
 - **Access to sample data, product testing, and developer resources**
 - **Acquisition event scheduled for week of 8 June at Joint Base Langley-Eustis**
- **Lessons from demonstration to be incorporated into Open System Acquisition (OSA) follow-on effort**



Open System Acquisitions (OSA)

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- We need a permanent, agile process to harvest operational and financial efficiencies of open architecture systems.
- Transitioning PFP to a formalized structure, called Open System Acquisitions
 - AFRL has released a DRAFT RFP for the first Air Force Open System Acquisition Consortium
 - View on FedBizOpps or www.plugfestplus.org
 - Agile acquisition vehicle with \$99M cap per consortium
 - Capturing demonstrated acquisition best practices in templates
 - Seeking to integrate processes to expedite A&A completion
 - Agnostic to specific architectures
 - May be used for software and hardware integration
 - Intent is to expand beyond AF DCGS as sole customer
- Heavily leveraging COTS ecosystem to recreate and expand upon successes of PFP demonstration and ongoing PlugFest community



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Partnering for Success

- **As with all BTCC activities, success cannot be achieved without significant collaboration with industry:**
 - **Join the Open System Acquisition Consortium (or compete in the RFP process to establish the consortium)**
 - **Evaluate the PFP process to determine areas of goodness and for improvement**
 - **Tell a friend**
- **Partnerships with other DOD and federal agencies is also critical:**
 - **Open System Acquisition vehicle is available to all government entities**
 - **Input from other potential government customers is incredibly valuable**
 - **Tell more friends**





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Conclusion

- **The Air Force is committed to identifying and implementing innovative business approaches to deliver better, faster, and cheaper capabilities to our Airmen**
- **Open Architecture Systems are an integral part of Air Force goals, but current business practices are prohibitive**
- **PlugFest Plus and the Open System Acquisition efforts aim to close that gap**
- **Continued partnerships with industry (and other government agencies) are integral to building a viable acquisition process for the 21st Century**