DISA Computing Ecosystem

Mr. Tony Purvis
Chief, Computing Ecosystem
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DECC Computing Model

Geographically-Based, Independent Computing Sites

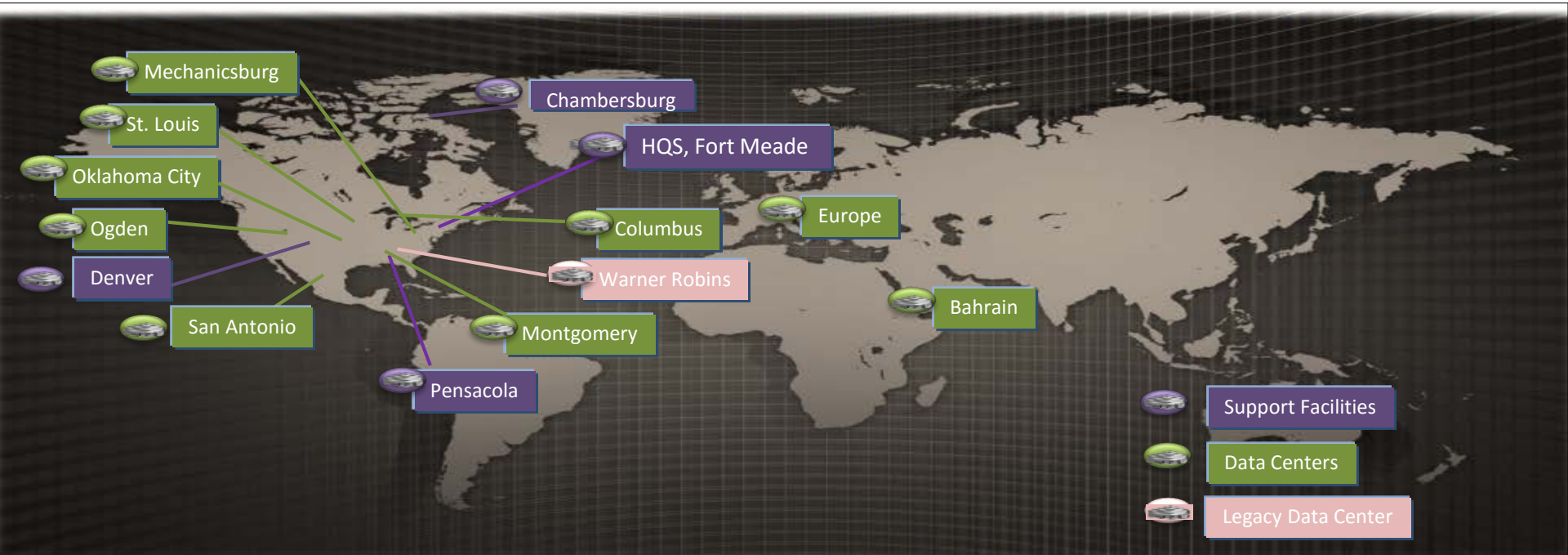**Each DECC operates autonomously and processes workload independently:**

- **Columbus, OH**
- **Montgomery, AL**
- **Mechanicsburg, PA**
- **Ogden, UT**
- **Oklahoma City, OK**
- **San Antonio, TX**
- **St. Louis, MO**
- **Germany**
- **Bahrain**

Other Computing Locations:
- **Chambersburg, PA**
- **Denver, CO**
- **Fort Meade, MD**
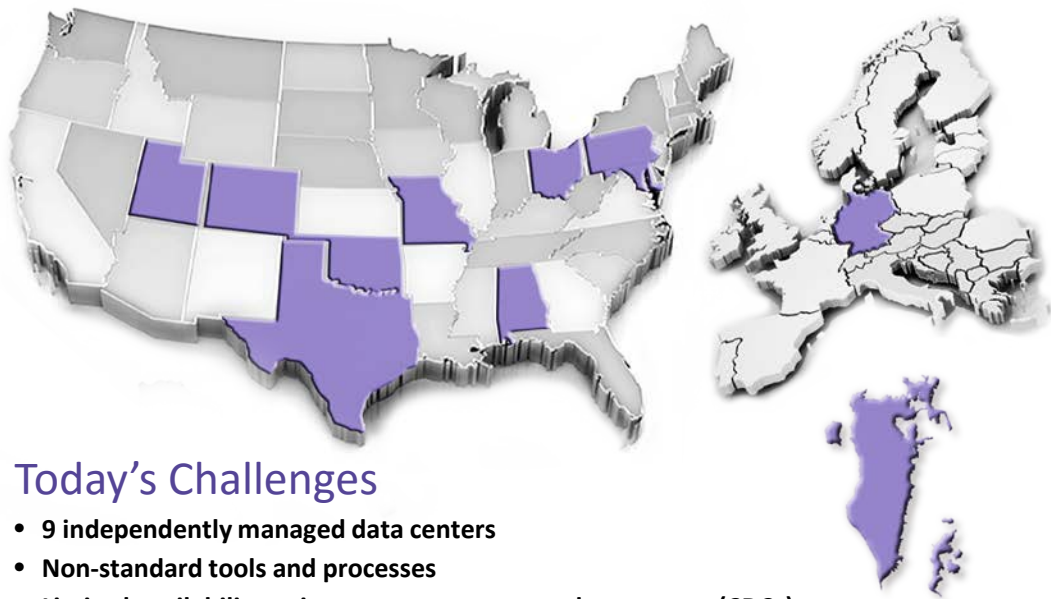
Today's Challenges

- **9 independently managed data centers**
- **Non-standard tools and processes**
- **Limited availability to incorporate more core data centers (CDCs)**
- **Duplicative overhead costs**
- **Varying chains of command**
- **Inability to reduce costs further without organization change**
- **Cost container business model**

Computing Environment

	FY90 DMRD 924		FY92 DMRD 918		FY96		FY08		FY16		Ecosystem
Sites	194	→	59	→	16	→	12	→	10	→	1

Mechanicsburg

Chambersburg

St. Louis

HQS, Fort Meade

Oklahoma City

Ogden

Columbus

Europe

Denver

Warner Robins

San Antonio

Bahrain

Montgomery

Pensacola

Support Facilities
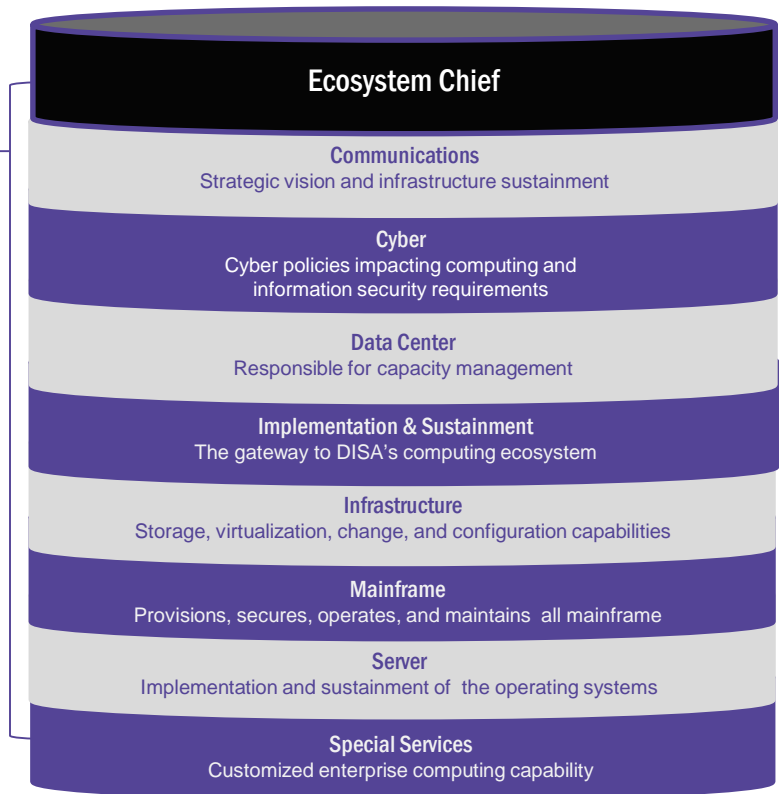
Data Centers

Legacy Data Center

Lines of Business

Lines of Business (LOBs)

- **Aligns like functions across a single computing enterprise**

- **Establishes a unified computing structure operating under a single command**

- **Prioritizes excellence in service delivery, process efficiency, and standardization (tools and processes)**

- **Consolidates talent, skills, and employee training**

- **Expands technology and resource availability**

- **Optimizes support to customers and stakeholders**

Ecosystem Chief

Communications
Strategic vision and infrastructure sustainment

Cyber
Cyber policies impacting computing and information security requirements

Data Center
Responsible for capacity management

Implementation & Sustainment
The gateway to DISA's computing ecosystem

Infrastructure
Storage, virtualization, change, and configuration capabilities

Mainframe
Provisions, secures, operates, and maintains all mainframe

Server
Implementation and sustainment of the operating systems

Special Services
Customized enterprise computing capability

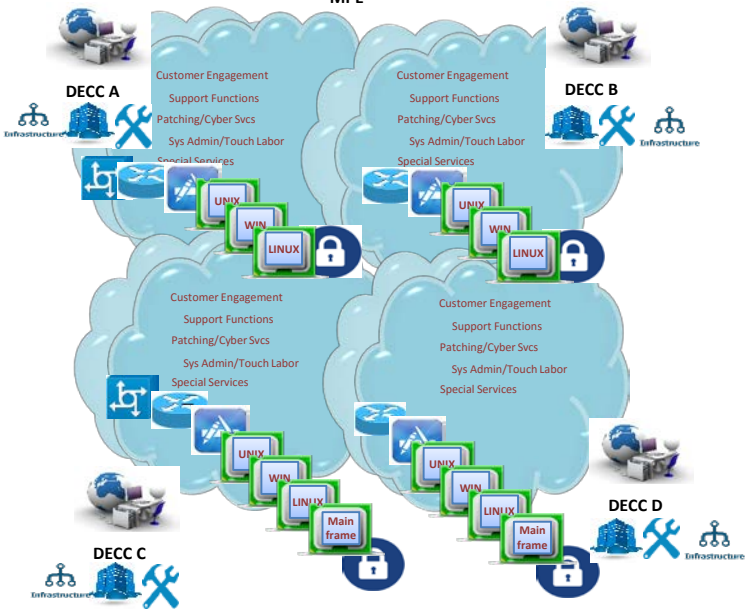UNITED IN SERVICE TO OUR NATION

DISA's Computing Ecosystem
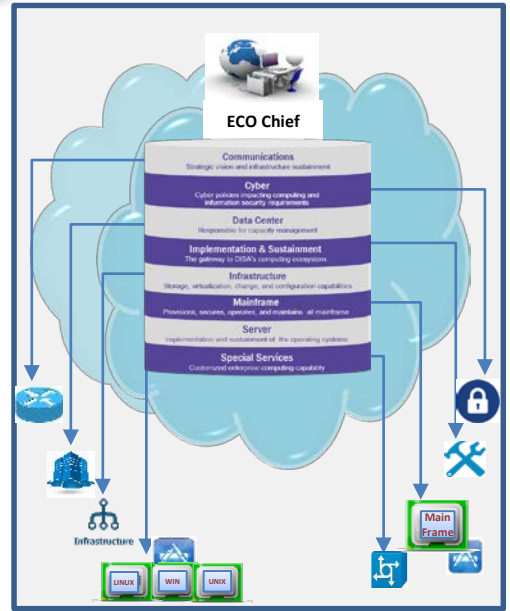

so-what factors

BEFORE

- Customized and dedicated top to bottom support
- Patch/OS/HW requires Mission Partner approval
- Mission Partner working w/ different DECCs for each implementation
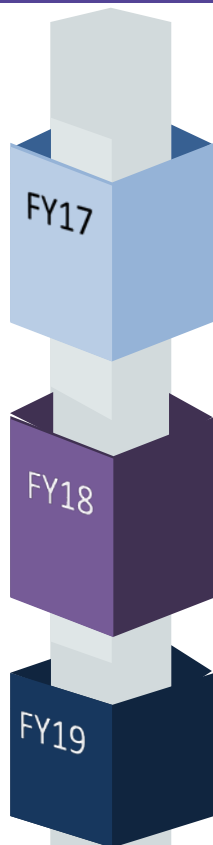- Unique/boutique solutions

AFTER

- Standardized support
- Patch/OS/HW upgrades w/ limited Mission Partner involvement
- Standardized implementations
- Standard offerings

Ecosystem Timeline

FY16   **Develop concept / Initial POM input**

FY17   **Implement concept**

1 Jan 17	**Implement new JTD Ecosystem Structure**
30 Jun 17	**Vector check of LOB structures (Optimization)**
FY17	**Consolidate NETOPS reporting through standard Command & Control processes**
FY17	**Standardize cyber compliance and reporting**

FY18   **Standardize**

FY18	**Standardize NETOPS monitoring and management tools**
FY18	**Increase efficiencies through use of automation tools**
FY18	**Decrease implementation timelines for mission partners**

FY19   **Optimize**

FY19	**Continue to identify and implement efficiencies**

FY17

FY18

FY19

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Panel Discuss

- Members:
    - Bob Torres
    - Mark Foster
    - Rick Doering
    - Tania Wilkes
    - Patrice Wilmot
    - Rob Reed

Panel Discuss

- Questions

  - Rick/Bob – What new capacity contracts do you see being released and when?

  - Tania/Mark – In the previous session, John Hale mentioned DISA Cloud Services, what are we doing in the ecosystem to support those offerings?

  - Bob/Mark – What are you doing to get more efficient under the ecosystem in your respective areas

  - Tania/Patrice – What are doing to reduce timelines to provide service faster – what type of things are you looking at implementing

  - Rob/Bob - We have started some automation, can you talk about what you have done and where you see this going

  - Bob/Mark – What are some barriers to virtualization and standardization?

  - Patrice – How do you see RMF changing the way the ecosystem interacts with mission partners

  - Group - How can mission partners/industry help us implement the previous topics