



Air Force Test Center



Shaping the Future of the T&E Enterprise

Elisabetta Jerome
**Technical Advisor for Armament
and Weapons T&E**
AFTC/CZ

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Integrity ★ Service ★ Excellence



NDIA Symposium Theme

- **“Accelerating Acquisition to Maintain the Edge.”**
 - **Air Armament requirements**
 - **Best practices**
 - **Challenges & opportunities**
 - **Enhancing government/industry partnerships.**

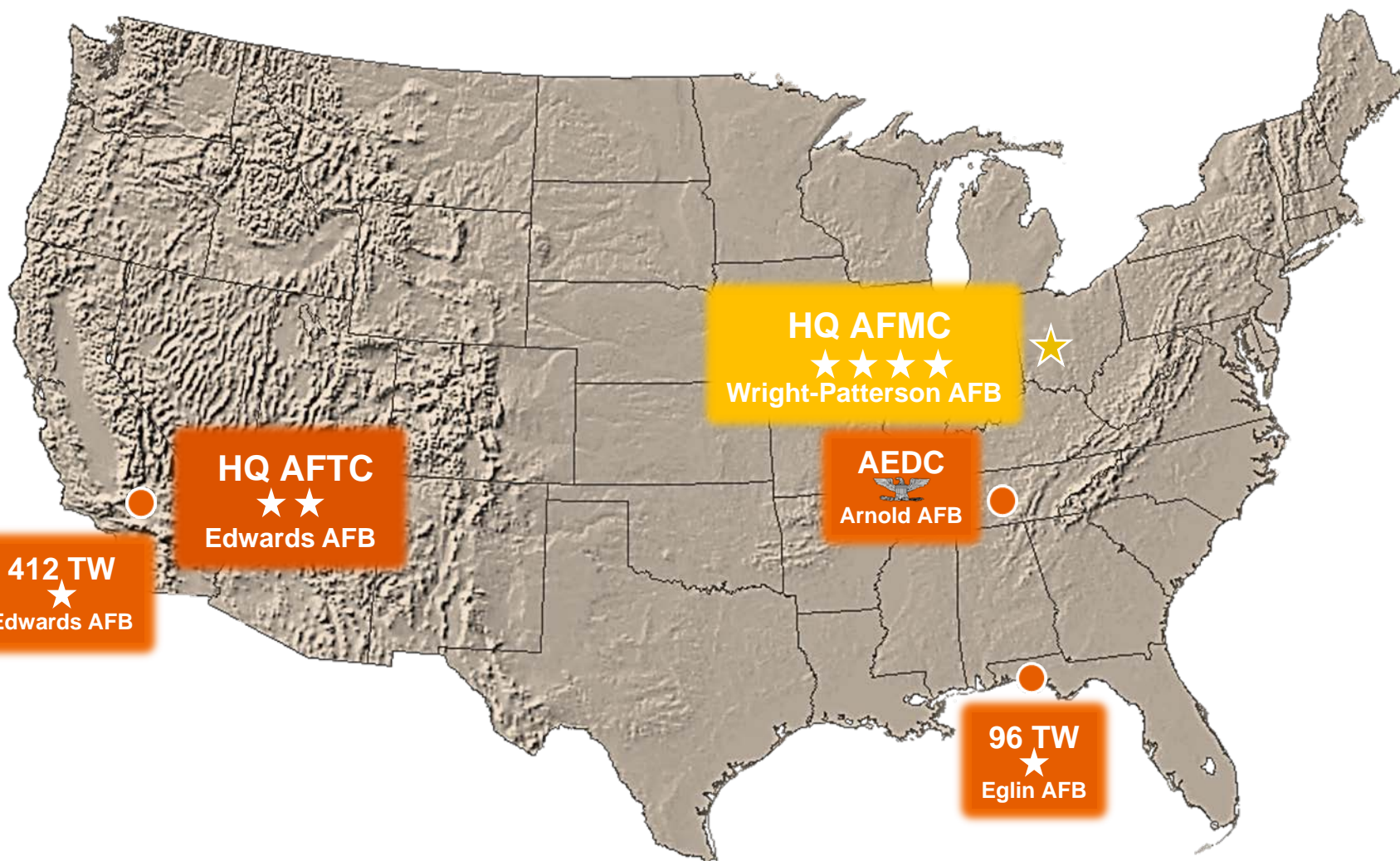


OUTLINE

- **Overview of the Air Force Test Center**
- **“Better” testing to accelerate acquisition – what does that mean**
- **Initiatives to prepare for the future**
- **What’s keeping me up at night**



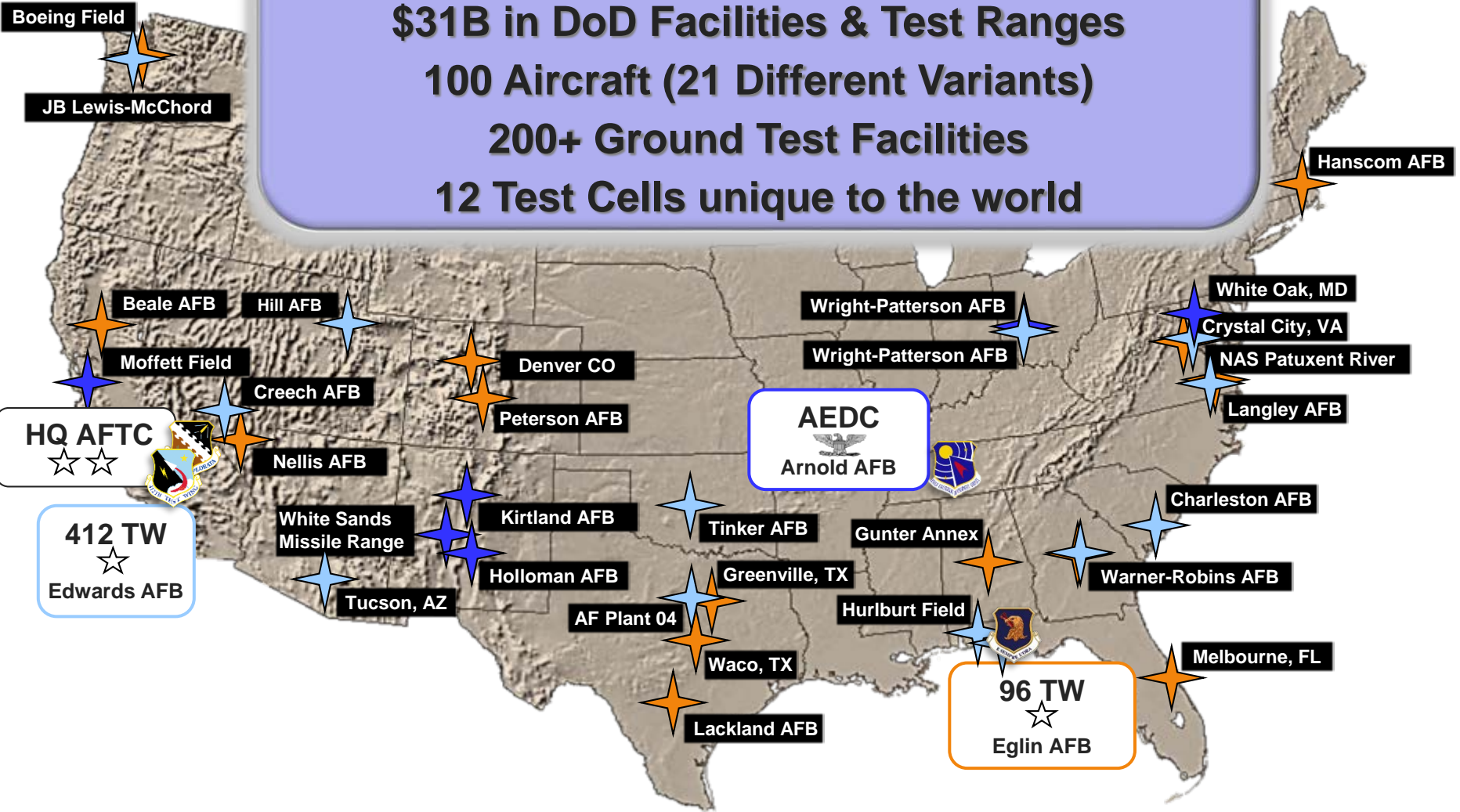
Span of Operations





Span of Operations

32 Locations Total
\$2B Annual Budget, BOS at 3 Major Installations
\$31B in DoD Facilities & Test Ranges
100 Aircraft (21 Different Variants)
200+ Ground Test Facilities
12 Test Cells unique to the world





AFTC Priorities

- **Agile** – Must be able to rapidly respond in all phases of our mission
- **Ready** – Must be proactive and forward thinking to position us for success in the future
- **Right** – Must be correct in our answers to decision makers



One Enterprise providing world-class test



“Better” Testing to accelerate acquisition

- **Early DT/OT involvement in the acquisition process**
- **Realistic and testable requirements**
- **“Smart” testing**
 - **DOE techniques**
 - **Data analytics, data mining, data collection**
 - **Modeling and Simulation**
 - **Digital twin/ digital thread**

It does not mean to cut testing in half!



AFTC Initiatives

- **Establish a space warfighting test organization and define requirements and plan to develop a Space Test and Training Range.**
- **Develop a plan including resource requirements for maturing directed energy testing.**
- **Build a capability for testing autonomous and machine learning systems.**
- **Define a vision for the art of the possible with live, virtual, constructive systems and apply it to the Joint Simulation Environment.**

Shaping the future of the T&E Enterprise



What is keeping me up at night

- **SPECTRUM**
 - Management, efficiency, non-traditional, new technologies
- **Cybersecurity issues**
 - Avionics Cyber Range
- **Funding woes**
- **IT Issues**
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Conclusions

- **Accelerating acquisition does not mean to skip or skimp on testing**
- **Future technologies and realities will challenge the Air Force Test Center**
- **We have to work together – within the government and with our industry partners**



Questions??