

46th Test Squadron Detachment 2

War-winning Capabilities...On Time, On Cost



U.S. AIR FORCE

46th Test Squadron Detachment 2 Overview



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War-winning Capabilities... On Time, On Cost

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Overview

War-winning Capabilities... On Time, On Cost

- **Who I am**
- **What I can do for you**
- **What you can do for me**



46 TS Det 2



War-winning Capabilities... On Time, On Cost

Mission

Reduce risk to cyberspace operations and acquisition by conducting responsive, timely, and economical test, range management, and operations support to the warfighter and mission partners.

Vision

Be the DoD center of excellence for cyberspace developmental testing, mission rehearsal, and test and training infrastructure, using state of the art philosophies.

Chain of Command



Air Force



AF Materiel Command



Air Force Test Center



96th Test Wing



96th Operations Group



46th Test Squadron

Key Information

-Mission Areas

- DT management, execution, and support
- Cyber warfare test and training range O&M
- Ops support – manpower and facilities

Organizations Supported

- AFLCMC C3I Infrastructure Division
- AFLCMC Cyber Warfare Systems Branch*
- Twenty Fourth Air Force*
- 67th Cyber Operations Group*
- 346th Test Squadron*
- AFRL Info Dominance Directorate
- Joint Partners



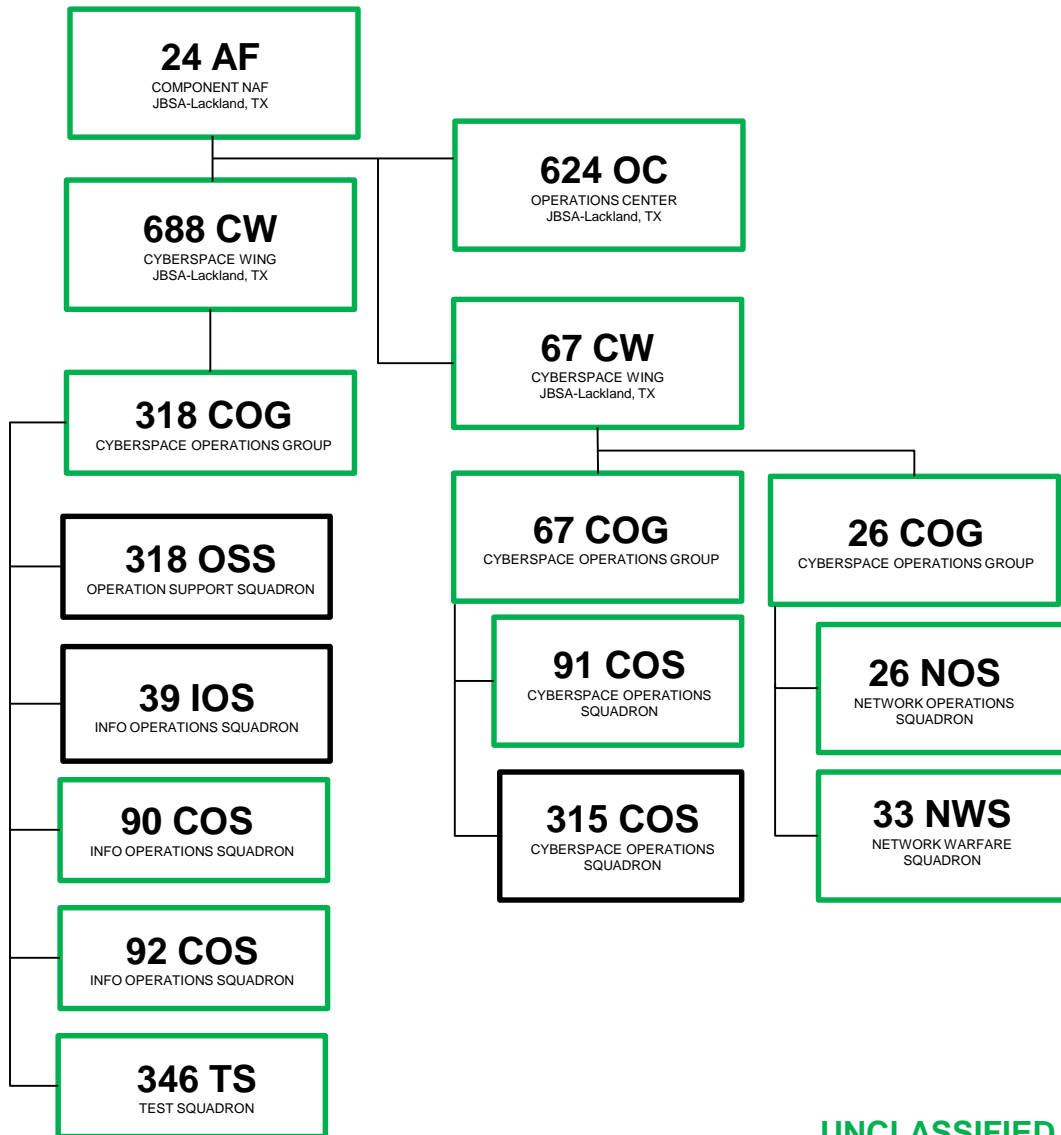
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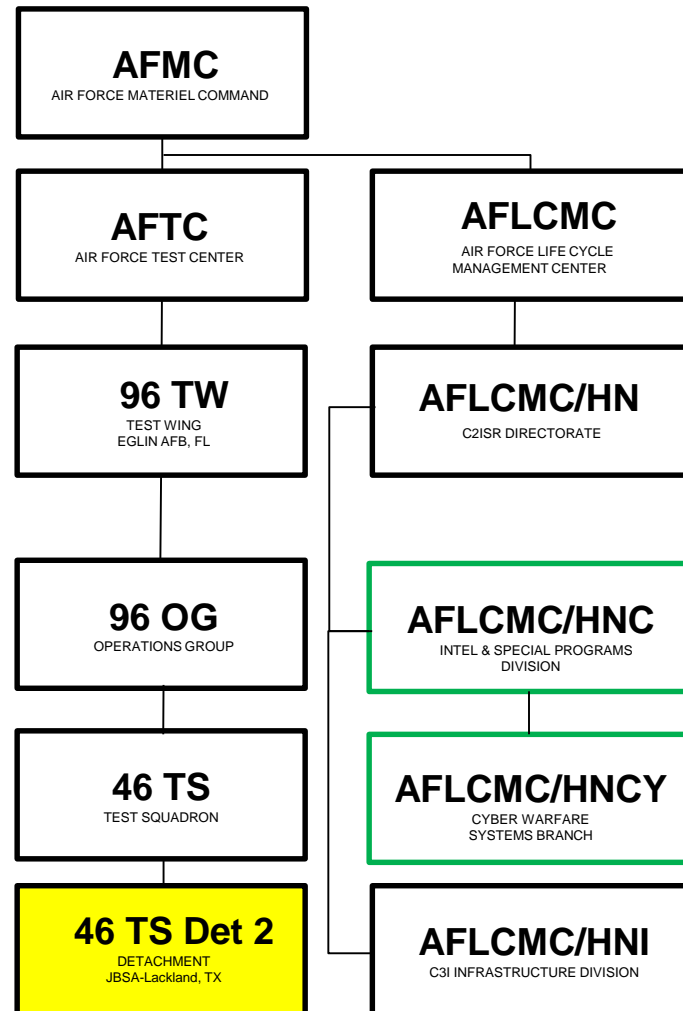
USAF Cyber Community

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Operational Community



Acquisition Community



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Cyber Test & Evaluation

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- **Air Force's Cyber Warfare Developmental Test Experts**
 - Original mission supported Offensive Cyber testing
 - Evolved into full spectrum Cyber LDTO, to include Defensive weapon systems (CVA/H, CSCS, C3MS, AFINC, CDA, ACD)
- **Expertise in testing software, hardware and network systems**
 - “Cyber Test Pilot” certifies testers on Weapon Systems
- **6- Step Test Process ensures Test Discipline**
 - Derived from aircraft testing
 - I. Notification
 - II. Concept Definition
 - III. Test Plan Development
 - IV. Test Execution
 - V. Data Analysis & Reporting (Quicklook and/or Detailed)
 - VI. Closeout (Lessons Learned & Archive)
- **Combined DT/OT test force with 346th TS**

Agile and scalable test solutions for every size project



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Cyber Range Operations

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- **Mange/operate closed, secure multi-level security test and training Cyber Warfare range**
- **Range Capabilities**
 - Rapidly reconfigurable/archivable virtualized environments
 - IP networks
 - Network infrastructure
 - Telephony (POTS/Mobile)
 - USAF Weapon Systems (limited)
 - Telephony training and mission rehearsal environment
- **Joint Information Operations Range (JIOR) connectivity**
- **4-5 annual exercises (RED FLAG, Weapon School, etc.)**

Virtual & bare iron range solutions supporting cyber test and training

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Modernization and Improvements

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- **Automation**
 - **Statistical testing**
 - **Feed the Cyber JMEM process!**
- **Cybersecurity**
 - **Increased collaboration... with ourselves!**



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What can we do better?

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- Sprint testing
- Test Jets



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Let's Play the Feud!

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Round 4

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1	5
2	6
3	7
4	8

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Win Low Cheer Boo Silence

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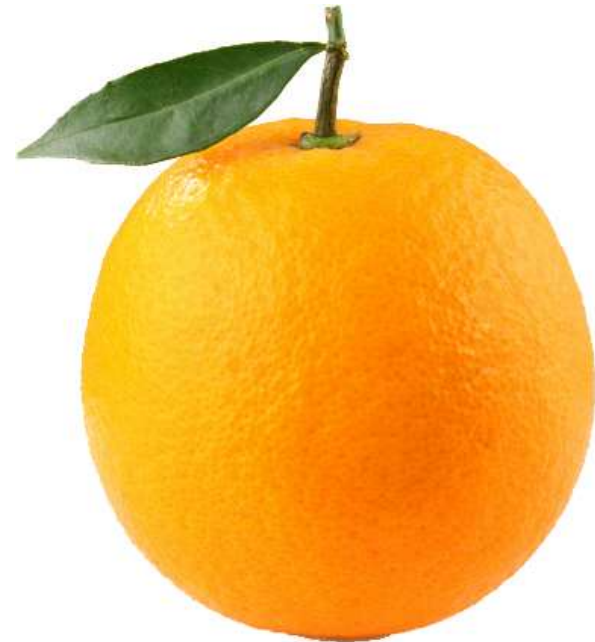


Opinion that will make you mad

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Test

Training



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