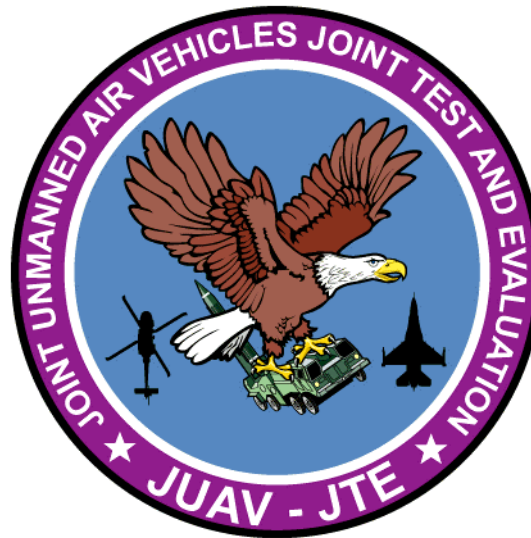


# Joint Unmanned Aerial Vehicles Joint Test & Evaluation



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# Report Documentation Page

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# Briefing Contents

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- **NAS Fallon History/Missions**
- **JT&E Basics**
- **UAV Problem Background**
- **Our Proposed Test**
- **Our Legacy**



# Where is Fallon and why is the Navy in Nevada?





# **NAS Fallon**

## **Missions/Functions**

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- **USN/Fallon history dates to 1942**
- **STRIKE U/Air Wing Training in 1984**
- **NSAWC (Naval Strike & Air Warfare Center) established July '96 with merger of "STRIKE", "TOPGUN", "TOPDOME"**
- **Primary authority for graduate level aviation strike warfare training**
  - \* Air Wing Training
  - \* Individual Training
- **Real World Operational Support**
- **3000 Pers, 68 AC, 42K Sorties/Year**



# Range Ops/Capability

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- **57 Threat Systems - Operators in the loop**
- **Tracking/Instrumentation (TACTS)**
- **FAA Waiver for UAVs**
- **6.5 million acres, 600 people**





# “JTE 101”

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- **Chartered by OSD Acquisition, Tech & Logis. (ATL) Senior Advisory Council (SAC)**
  - 5 SES-5s from OSD
  - 6 Flag/General Officers (1/2 star)
- **“Do better with what we have”**
  - Joint Tactics, Techniques & Procedures
  - Lead service commits for infrastructure
  - All services commit for people
  - Typically a 3 year test – Approx \$13M
- **8 JTEs in existence (JUAV plus:)**
  - Theater Distribution
  - Close Air Support
  - Ship/Helo Integration
  - BDA
  - GPS Countermeasures
  - Cruise Missile Defense
  - C2ISR



# Why a Joint Test?

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- **USA Initiatives**
  - Hunter Stand-off Killer Team (HSKT) ACTD
  - Shadow OpEval/IOC
- **USN/USMC Initiatives**
  - UAV/Air Wing TACD&E
  - Pioneer/USMC (CAX)
- **AF Initiatives**
  - Predator Hellfire Demo
  - Hunter Night CAS Demo
  - FAC/A Role (15th RS)





## **JUAV - JTE Test Objective:**

# **Develop Joint Tactics, Techniques and Procedures for UAVs in a Tactical Role**

### **Standardized**

- **Command & Control**
- **Deconfliction**
- **Target Designation**
- **Mission Procedures**





# JUAV-JTE Focus

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- **Tactical and above classes of vehicles**  
(No micro, mini, small)
- **Mission Areas**
  - **Air Interdiction/Armed Reconnaissance**
  - **Fire Support**
  - **Special Operations (NEO and CSAR)**

**Tactical**



**MAE**

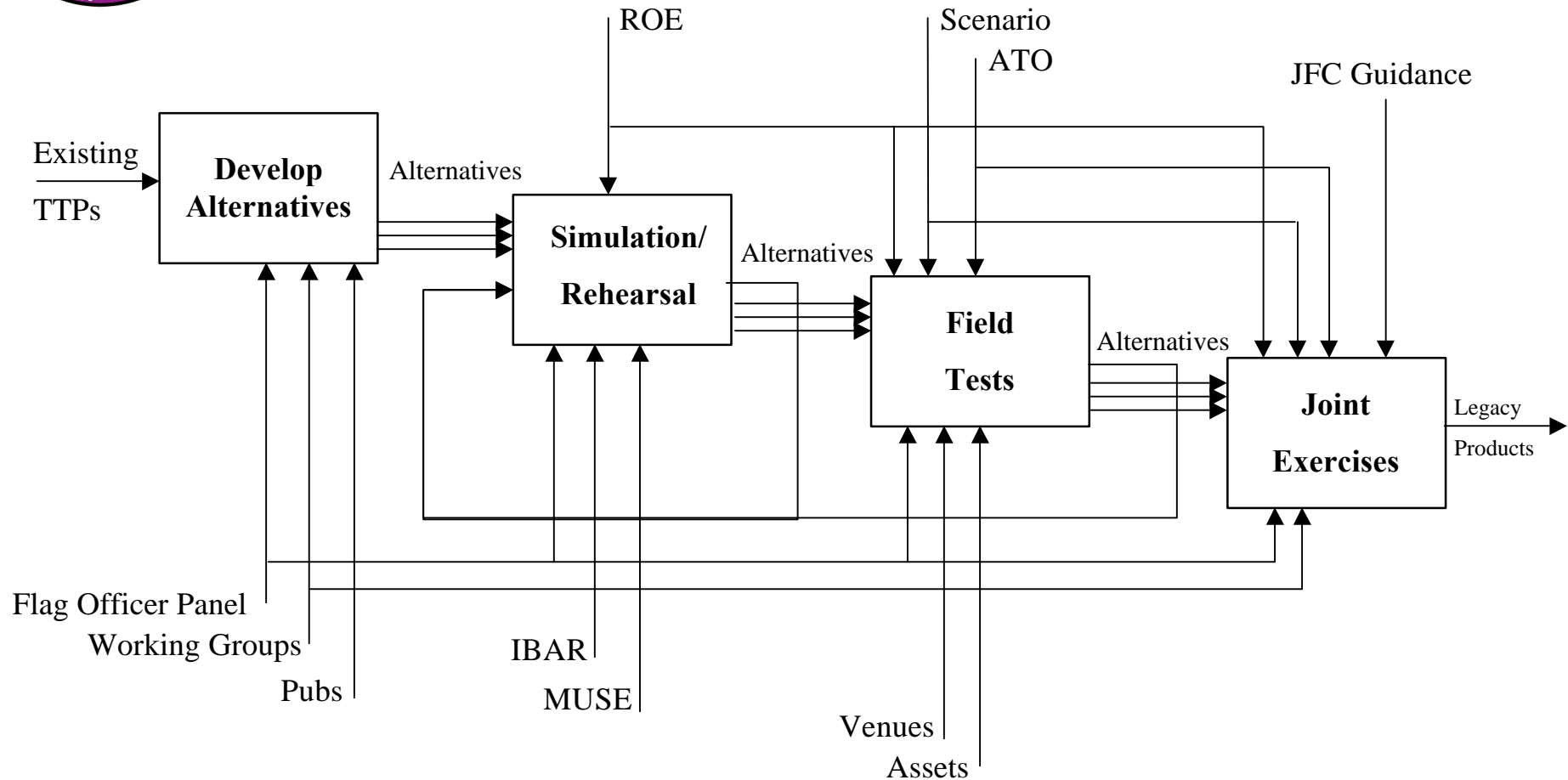


**HAE**



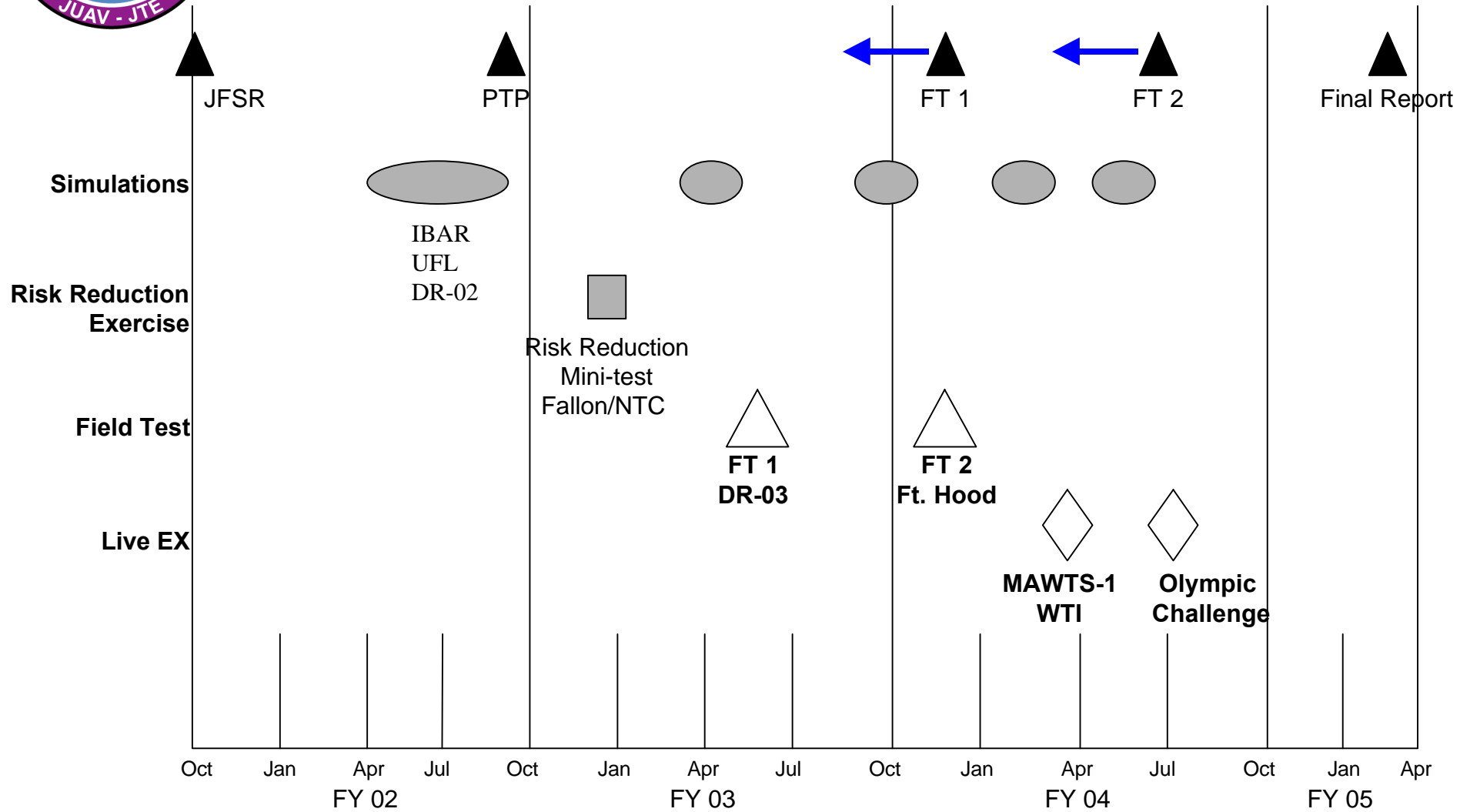


# JUAV Test Concept



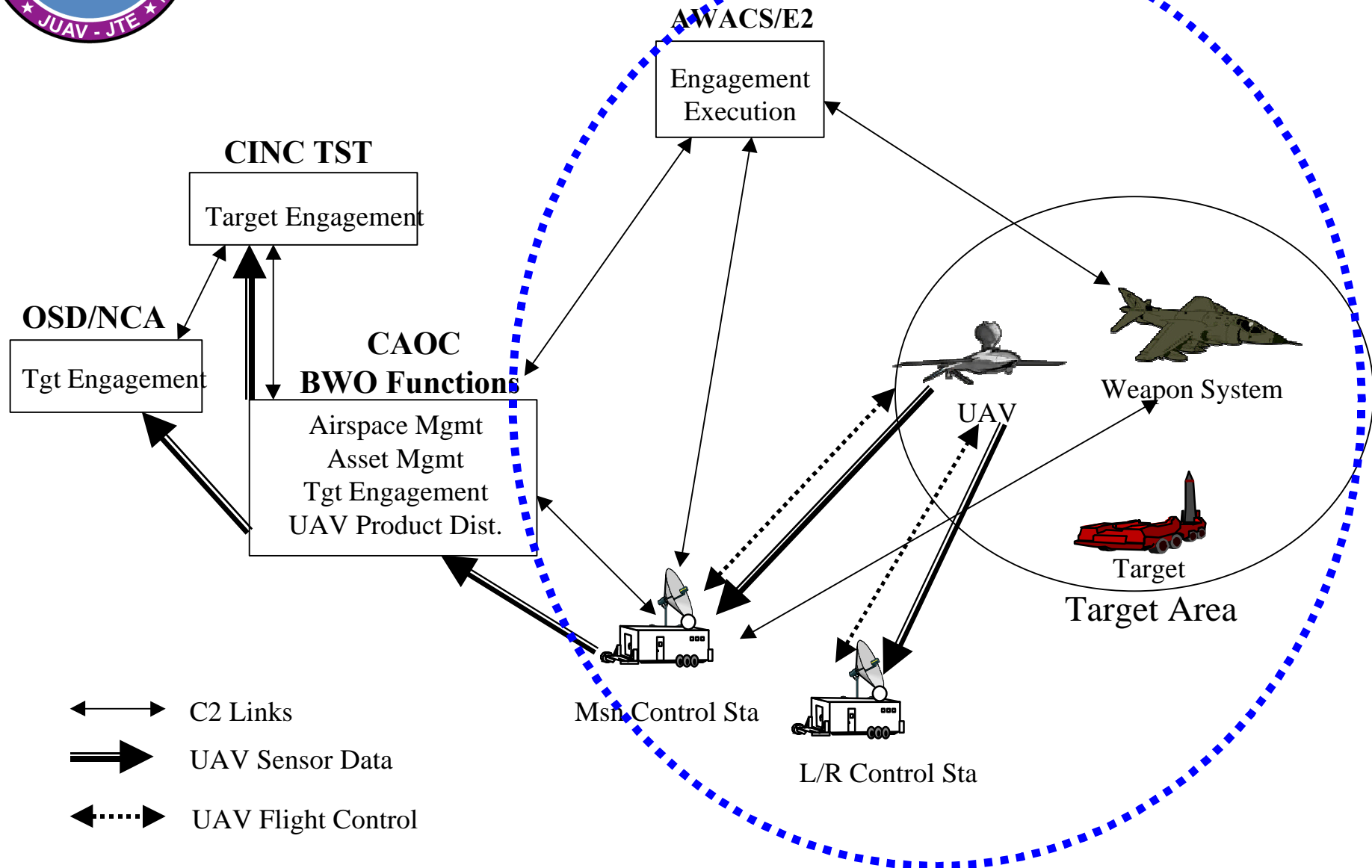


# Test Schedule





# OEF UAV C2





# Theater Numbers

(as of 1 June)

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- **1200+ UAV sorties**
- **12 UAVs in theater (2 losses)**
- **700+ targets destroyed with UAV in a tactical role**
  - **Hellfire**
  - **Laser for TacAir**
  - **TacAir "Talk-Ons"**



# JUAV Products/Customers

	Selected Applicable Joint Publications	Doctrine Authorities	Trainers
	<p><b>2-01.1: Intel Support to</b></p> <p><b>2-01.3: JTTP for Joint Intel Preparation of the Battlefield</b></p> <p><b>3-07.5: JTTP for NEO</b></p> <p><b>3-09.1: JTTP for Laser Design Ops</b></p> <p><b>3-09.3: JTTP for CAS</b></p> <p><b>3-50.21: JTTP for CSAR</b></p> <p><b>3-56.1: Joint Air Operations</b></p>		<p><b>Army Warfighting</b></p> <p><b>-1</b></p> <p><b>USAF Red Flag</b></p> <p><b>USAFSOS</b></p>



# Summary

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- **UAVs in a tactical role are here to stay**
- **By Fall 2002 USAF Predators will be Laser Design and Hellfire equipped**
- **Shadow IOC is early 2003 (4 Systems)**
- **Interim Deliverables by 31 Dec 2002 (Sim Results)**
- **JUAV-JTE as a Joint TTP clearinghouse**
- **Must do better with UAV before we get to UCAV**
  
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