

## Manned / Unmanned Teaming

# MUM-T

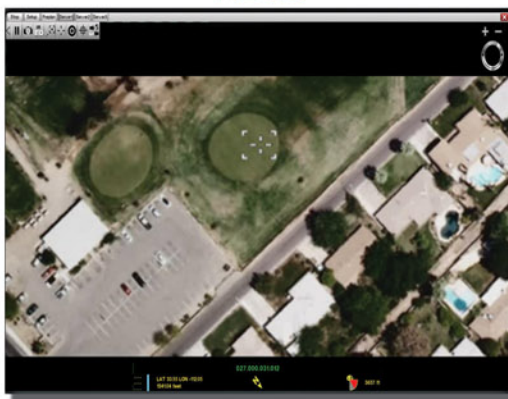
## 4586 Interoperability and Open Architecture Redefined...

The multi-vehicle **Manned / Unmanned** toolkit allows safe, and effective Unmanned Aerial Vehicle (UAV) control from anywhere at any time. The UCS-WG architecture allows a single operator to take “supervised usage” control of multiple manned and unmanned platforms and payloads of through an intuitive user interface.

MAP



VIDEO



### Optional Hardware Interface Capabilities:

- EO / IR / TV Switching
- Black Hot / White Hot Toggle
- Zoom In / Out
- Ability to Slew Payload in 360° Relative to Video
- Ability to Slew Payload in 360° Relative to Map
- Engage / Disengage Payload Auto-Track Capability
- Ability to Engage Payload Track in Search Mode
- Ability to Control with Pilot Gloves



Watch Video of the Common Control System



# MANNED / UNMANNED TEAMING (MUM-T)



(U.S. Air Force photo by Master Sgt. Paul Gorman/Released)



## Manned / Unmanned Teaming Functions:

- Ability to **pre-plan** multiple UAS missions
- Ability to select a “**stare at**” and “**stare from**” point on the map or video screen
- Ability to **change and / or select** UAS to target **standoff distance**
- Ability to **engage / disengage** payload **auto-tracking**
- Ability to engage “**follow me**” mode to keep payload pointed at location
- Ability to engage “**look ahead**” mode to have UAS payload look at a specific area at set distance “**ahead and along**” active flight path
- Ability to nominate survey areas and / or routes and **autonomously image** the area / route
- Ability to engage “**snapshot**” mode to take a photo of currently displayed video frame
- Ability to mark target and **generate a geo-located report** of target
- Ability to engage multiple **cognitive decision aides** to reduce workload