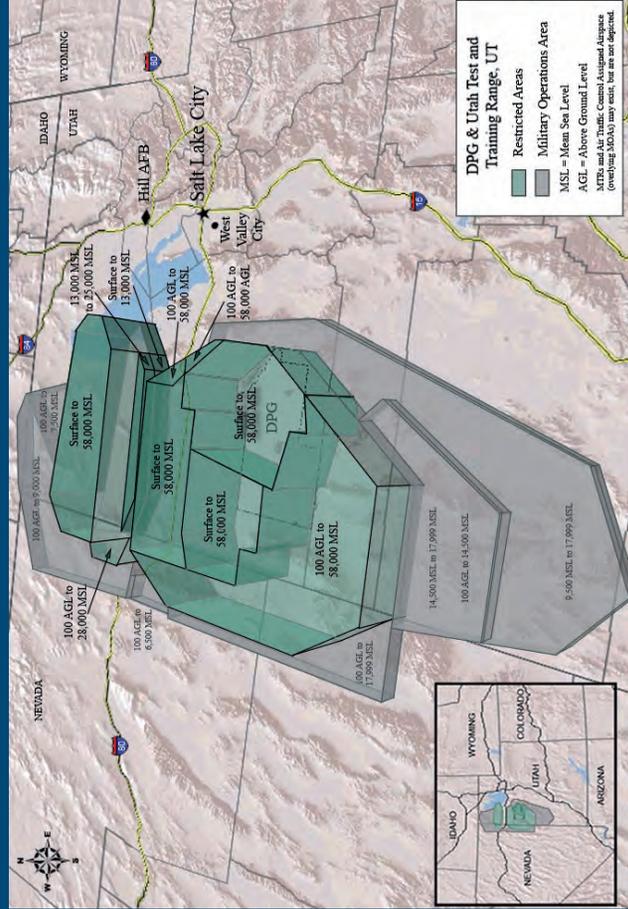


# Dissemination & Explosives

- Experts in dissemination of chem/bio simulants, TICs, TIMs, and interferents
- Explosives dissemination
- Design and fabrication of dissemination equipment
- Smoke and Obscurants testing
- Over 600 km of outdoor test space w/ environmental permits
- MIL STD 810G facilities for climatic and dynamic testing of munitions and equipment
- Over a dozen instrumented test ranges



**DUGWAY PROVING GROUND**

**ATEC**

[www.dugway.army.mil](http://www.dugway.army.mil)

**DPG**

**U.S. ARMY**

# Dugway Proving Ground

## Dissemination & Explosives



Specialized Testing & Support

Science Serving Warfighters and Citizens

# Smoke & Obscurants

# Munitions Testing

# Dissemination Test Support

## *ATEC's Dissemination, Munition and Explosives Experts*

### *Developmental Testing of Smoke & Obscurant Munitions:*

- *Dynamic Cloud Target Obscuration Measurement System (DCTOMS)*
- *3D Cloud Analysis Visualization (3D CAV)*
- *Performance reliability tests after environmental conditioning*
- *High-definition optical data*

### *Operational Testing and Military Training Support:*

- *Open-air test ranges for simulated battlefield and urban scenarios*
- *Emplacement, loading, firing & dud recovery of virtually all smoke-producing munitions*



### *40 Climatic and Dynamic Test Chambers and Fixtures:*

- *Temperature & humidity*
- *Altitude & precipitation*
- *Salt fog, sand & dust*
- *Physical & thermal shock*
- *Vibration*
- *Shock & Bounce*
- *60-foot drop tower*

### *Over a Dozen Instrumented Test Ranges:*

- *Facility & ground-mount firing*
- *Analytical instrumentation*
- *Velocity radars*
- *Smear & tracking camera facilities*
- *Instrument observation points*
- *Range and deflection data from 500 and 13,500 meters downrange*

### *Munitions Recovery & Disposal*

### *Non-destructive Testing:*

- *X-ray facility with four radiographic systems*
- *Mobile X-ray for in-field inspection*

### *Environmental Permits in Place for Field Dissemination of Chem/Bio Test Material:*

- *Chemical and biological simulants*
- *Toxic industrial chemicals and materials (TICS/TIMS)*
- *Battlefield obscurants and interferents*

### *Dissemination Systems and Methods:*

- *Stationary and portable systems for liquid, vapor, aerosol or powder*
- *Explosive dissemination via airburst or single-point detonation*
- *Aerial dissemination via helicopter with slung disseminator*
- *In-house design and fabrication of specialized dissemination systems*

## **Contact:**



*Dissemination & Explosives Div.: 435-831-5221*  
*West Desert Test Center (inquiries regarding all Dugway testing & training): 435-831-5382*  
*Public Affairs (general inquiries): 435-831-2116*