ATEC IN ACTION

Truth In Testing

Week 37 7-11SEP 2020

ATC

IM-SHORAD Full-Up System Level Live Fire Test & Evaluation

Four test events to evaluate Mission Equipment Package (MEP) and crew vulnerabilities to real threats

The Initial Maneuver - Short Range Air Defense (IM-SHORAD) Full-Up System Level (FUSL) Live Fire Test and Evaluation (LFT&E) program will assess the vulnerability of the Mission Equipment Package (MEP), crew occupants, and Stryker Double V-Hull (DVH).

WDTC

Screening Obscuration Module (SOM) underwent validation and verification testing at our West Desert Test Center. Testing will continue into next year at WDTC.

DPG

CENTAUR testing Capabilities to Enhance Threat Awareness, Understanding and Response

CENTAUR consolidates its instruments within or around the Point Sensor Enclosure (PSE), which communicates with the large viewing screen. The layout of the PSEs at DPG duplicates the PSE placement on another (unnamed) Army post that may someday face a chemical or biological threat.

YPG

Lot Acceptance Testing is an important part of the workload at YPG One recent case in point involved a test of the M795 High Explosive 155mm projectile that looked specifically at the munition's metal parts, which has a different process than other lot acceptance tests.

For decades, YPG has been at the forefront of artillery test and evaluation. This fact, combined with the proving ground's extensive institutional knowledge makes it an ideal test location for all facets of artillery development and sustainment.

ATEC IN ACTION

Week 36 31AUG-4SEP 2020

Truth In Testing

RTC

VALOR FLIGHT

U.S. Army Redstone Test Center Experimental Test Pilots, MAJ Wesley Paulsen and Department of the Army Civilian Adam Cowan, conducted a flight of the Bell V-280 Valor. The flight is part of the ATEC preparations for Future Vertical Lift's Future Long-Range Assault Aircraft (FLRAA) test effort.

ATC

Amphibious Combat Vehicle/Reliability Qualification Testing ACV/RQT

The ACV is an eight-wheeled armored personnel carrier capable of transporting 13 embarked Marines, three Marine crew and two days of supply. The vehicle also contains a modern driver vision enhancement system. In preparation for Full Rate Production, RQT has been ongoing at ATC for the last several months. RQT provides data to address performance specifications in the areas of availability and maintainability.

Testing is expected to conclude on 1 October 2020.

WSMR

Soldiers and civilian test evaluators gathered to test how well the prototype Aerosol Vapor Chemical Agent Detector could be seen and heard when sounding its alarm.

YPG

Sikorsky CH-53K King Stallion

Equipped with three 7,500 horsepower engines and built to carry a nearly 30,000 pound external load for over 100 miles, the CH 53K King Stallion boasts a 20% increase in heavy lift capability over its predecessors.

ATEC IN ACTION

Week 35 24-28 August 2020

Truth In Testing

MFT 2 LCHR crew – Launcher crew after successful intercept of CM surrogate, using a PAC 2 missile during Missile Flight Test 2.

Black Dagger Launch - TBM target (Black Dagger) launched in support of MFT 2.

ATC

Armored Multi Purpose Vehicle Live Fire Testing.

ATC testers conduct "cook off" and high temperature reliability testing of the NGSW-AR.

Notice the barrel is glowing!

WSMR

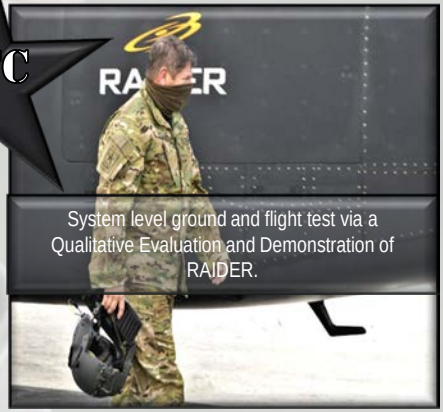
MFT 1 LCHR – Launcher crew, data collector, and Field Service Representatives (FSR) after successful intercept of CM surrogate using a PAC 3 missile during MFT 1.

YPG

Aerosonde UAV testing- Catapult-launched and net recovered.

RTC

ATEC and RTC start integrating with SIKORSKY for planned RAIDER X Combined Test Team.



System level ground and flight test via a Qualitative Evaluation and Demonstration of RAIDER.

DPG

COMET Testing- Cryogenic Oxygen-Methane Explosion Test Sponsored by Air Force & NASA

ATEC IN ACTION

Week 34 17-21 August 2020

Truth In Testing

EPG

EPG tests the Generation 2 Collins Manpack Radio for the Record Test Event, testing the radio in real-world conditions on Fort Huachuca. This test is the decision point, after multiple test-fix-test, cycles, to test if the radio is free of issues when tested on the move and in various terrain environments.

New Equipment Training

In preparation for MPF Production Prove-out Test, Gold Vendor FSRs are training 8 ATC contractor drivers and 8 ATC contractor turret operators on their vehicle. Training is expected to conclude on 21 August 2020 at which time the PPT will commence with vehicle Initial Inspection followed by Software Safety testing.

Mobile Protected Firepower
Gold Vendor New Equipment Training

ATC

DPG

CENTAUR -Technicians make adjustments to a Point Sensor Enclosure (PSE) in the field. The tan box inside is a biological agent detector.

Expeditionary Point Sensor Enclosure is more portable than the Point Sensor Enclosure, and solar-powered rather than requiring electrical connection. [left pic.] The Q display for the Capabilities to Enhance Threat Awareness, Understanding and Response (CENTAUR) test conducted August/September 2020 at Dugway Proving Ground.
The Q displays the current status of chemical and biological detectors, motion-sensing cameras, infrared cameras, meteorological instrumentation and other instruments to aid in decision making.

YPG

The Bradley Fighting Vehicle has remained viable and relevant thanks to Army modernization efforts and extensive testing of all upgrades at U.S. Army Yuma Proving Ground. An M2A4 Infantry Fighting Vehicle and M7A4 Fire Support Vehicle are among the variants currently undergoing performance, reliability, and maintainability testing. YPG has the range space to conduct live fire tests of the vehicle from both stationary and moving positions, as well as mobility tests across hundreds of miles of road courses.

ATEC IN ACTION

Week 34 17-21 August 2020

Truth In Testing

U.S.ARMY

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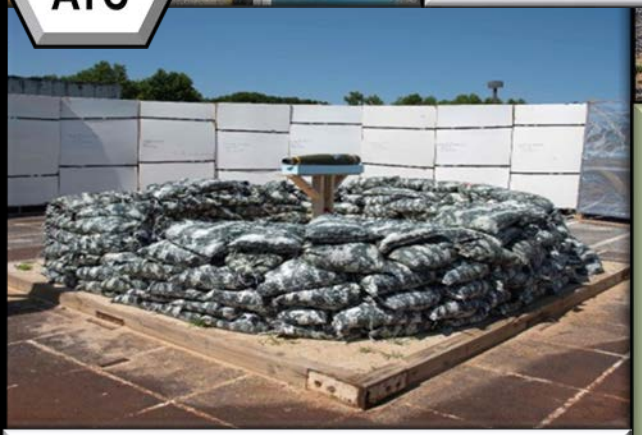
ATEC IN ACTION

Week 33 10-14August 2020

U.S.ARMY

ATC

ATC testers resume toxic fume testing on NGSW rifle and AR using a lanyard firing system to mitigate exposure to testing personnel.



155mm, XM1113 Rocket Assisted Projectile (RAP) Arena Test Test consist of six arena shots to collect fragmentation characteristics to determine the lethality of the projectile.

YPG

YPG is evaluating Advanced Running Gear for potential use on the NGCV using an existing Bradley Fighting Vehicle as a surrogate test platform. The new running gear provides more ground clearance and increased transportability and survivability, boasting an adjustable ride height that makes it easier to load on a trailer or navigate beneath bridges or other low-hanging obstructions. It also has a wider track than the currently-fielded Bradley, AMPV and PIM platforms.

OTC

Soldiers performing launcher power plant checks and missile readiness checks in preparation for missile flight test operations.

RTC

Javelin Stock Pile Reliability Program (SRP) TC17/TC11 HOT Flight Test The Javelin is a man-portable, fire-and-forget, antitank missile employed by dismounted infantry to defeat current and future threat armored combat vehicles.

Most Recently six soldiers from the 1st Battalion, 6th Infantry Regiment, FT Bliss, TX participated in the program, in preparation for their upcoming deployment. All six soldiers successfully fired and defeated their targets with the skills they learned throughout the program. One of the soldiers commented that “This is the best training I have been through.”

ATEC IN ACTION

Week 32 3-7August 2020

Truth In Testing

EPG

Manpack Testing

EPG tests the Generation 2 Collins Manpack Radio at numerous locations with varying terrain on Fort Huachuca as an ongoing test event to detect and resolve communication and software issues with the radios, on a test-fix-test basis.

RTC

CH-47F Common Infrared Countermeasure (CIRCM) Integration Flight Test

After an extensive initial test on the UH-60 Black Hawk, the CIRCM system is now being tested on the CH-47F Chinook. Testing included initial hardware integration, pilot interface, events to establish system pointing accuracy during normal Chinook modes of flight, and an evaluation of how the system responds to threats in a controlled environment. This flight test will allow PMO ASE to continue the fielding process of this next generation aircraft survivability technology to the Warfighter. RTC flight test engineers operated test instrumentation to capture CIRCM flight test data.

Week 31: 27-31 July 2020

ATEC IN ACTION

Truth In Testing

An ATC tester fires a candidate NGSW with the intent of measuring the toxic fumes being released within the shooter's vicinity.

RTC Strap Packs
The work of RTC's material analysis group is a driving factor in improving the overall safety of the Army helicopter fleet. Since 2018, Dr. Kevin Minor and his team have been working on the Apache strap pack. The data derived by Product Quality Deficiency Reporting (PQDR) testing conducted by RTC directly supports Army Safety of Flight messages. These are notifications concerning any defect or hazardous condition of an Army-fielded system that can lead to injury, death, or damage to the platform. Pictured is a strap pack that was first measured in metrology this week to discover any dimensional discrepancies, and subsequently underwent a teardown inspection to determine the root cause of premature failure.

RTC tests DroneHunter Net Capture System
The DroneHunter Net Capture testing conducted at RTC, was for Product Manager Integrated Fires/Rapid Capabilities Office. This test was the first integration test of FAD-C2, government developed C2 software, with the Dronehunter Skydome software and the Dronehunter UAS. Testing included target handover from the FAD-C2 software to the Skydome software, as well as launch and capture of threat representative small UASs, both quadcopter and fixed wing threats by the Dronehunter UAS.

Open Architecture Data Management System (OADMS) project upgrades to the current software and hardware to produce a first-of-its-kind system for Army Test and Evaluation Command Aerial view of Target S, an instrument tower used for outdoor testing of defenses against simulated chemical and biological agents. These towers are transported by trailer and can setup easily. OADMS will provide a comprehensive, fully instrumented and networked outdoor test capability at DPG to conduct developmental or operational tests on chemical or biological defenses, chiefly detectors. Also will significantly reduce upgrade and operational costs.

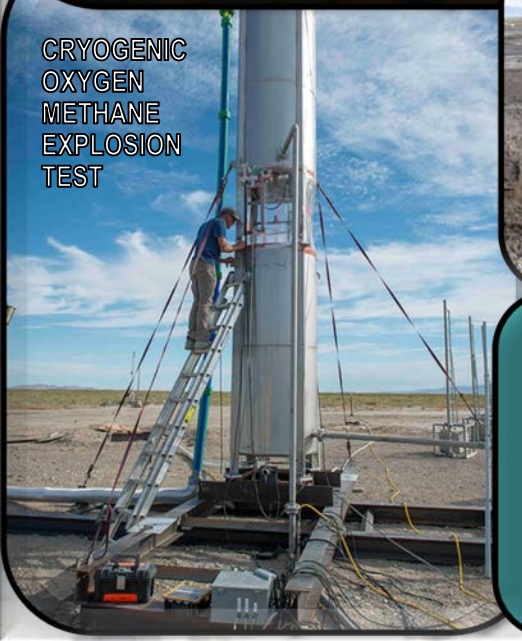
ATEC IN ACTION

Week of 20-24July 2020

Truth In Testing

Engagement Operation Center (EOC) crews fighting air battles during AIAMD LUT while adhering to CDC recommended guidelines.

ATC testers complete shock profile testing on NGSW weapons to support development and testing of the NGSW-FC.



Testing involves multiple detonations of a new liquid natural gas/liquid oxygen [LNG/LOX] rocket fuel. The replicated rocket fuselage used for COMET has two tanks separated by a glass barrier. The glass barrier is remotely broken, allowing both liquids to mix, causing an explosion. Each explosion damages the pad and requires rebuilding before the next detonation.

Operator preparing IFCN relay for operations during AIAMD LUT.

AMPV
End of Contract [EOC] Testing.

The intent of this effort is to identify reliability issues of the AMPV variants prior to Production Qualification Testing. Two variants, the Medical Evacuation (ME) and the Mission Command (MCmd) were tested over a period of 11 months. The vehicles were exposed to 2000 miles of RAM, shock and vibration, automotive performance, human factors and environmental and mechanical stressors during operations. Photo of ME variant while operating on the Munson Test Area (MTA) 6-inch washboard

ATEC in ACTION

Truth In Testing

Week of 13-17July 2020

ATEC Change of Command
General Joseph Martin (VCSA) passing the colors to BG James Gallivan

ATEC

ATEC Salute Battery

Honorable James McPherson (Under Sec Army), General Joseph Martin (VCSA), and Mary Jane Jernigan (MD CASA) with ATEC test officer.

By-Wire Active Safety Kit-the intent of the two phased effort is to identify any safety risks associated with adding the Advance Driver Assist System (ADAS). The ADAS consists of driver assist and driver warning (DA/DW) features to a Palletized Load System (PLS) base vehicle platform.

Lance McEntire, WDTC Special Programs Chief, helps 48th CHEM BDE Soldiers become familiar with WDTC training locations such as Mustang Village.

Live tissue training provide the medics with a better understanding of organ/tissue injury from chemical agent warfare in order to provide proper medical treatment.

ATC

DPG

DPG

The 48th CHEM BDE participated in a team-building hike on 4 July on White Rock.

ATEC in ACTION

Truth In Testing

Week of 13-17July 2020

ATEC Change of Command

ATEC

ATEC Salute Battery

ATEC's CG,
BG James Gallivan

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DPG

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ATEC in ACTION

Truth In Testing

Week of 13-17July 2020

DAY ACTIVITY ON SIMULATED CONTAMINATED GROUND

DPG

OBSERVING SIMULATED CONTAMINATION

TESTING VEHICLE FOR SIMULATED CONTAMINATION

DPG

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DPG

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ATEC IN ACTION

Truth In Testing

WEEK 6-10July 2020

NGSW TESTING

ATC

The Powered Air Purifying Respirator [PAPR] may be attached to provide easier respiration and long use.

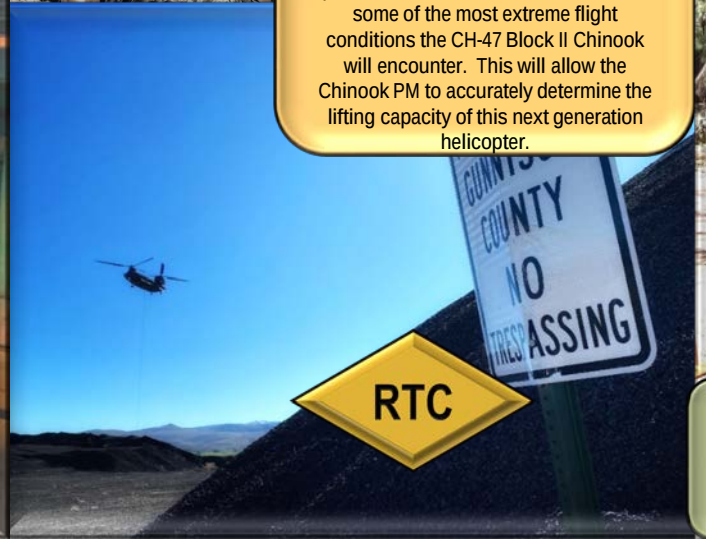
The M53 Protective Mask on the Simulant Agent Resistance Test Manikin (SMARTMAN) fixture, in a chamber of chemical agent vapor. The human bust draws air through mouth, nostrils, forehead and eye, which is continually analyzed to detect mask failure.

DPG Special Operations Soldiers wearing M53 Protective Mask

DPG

CH-47 Block II Chinook Testing

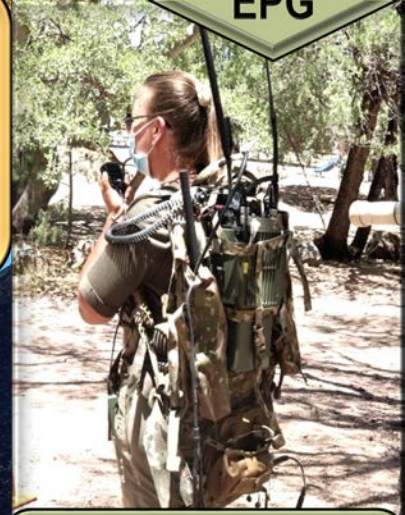
Tethered hover testing in Gunnison, Colorado, as part of a Combined Test Team (CTT) with the Boeing Company. High altitude (7,600 feet) site allowed the CTT to provide accurate hover performance data to the Chinook PM in some of the most extreme flight conditions the CH-47 Block II Chinook will encounter. This will allow the Chinook PM to accurately determine the lifting capacity of this next generation helicopter.



RTC

Generation 2 Manpack radio alongside the Leader Radio at numerous locations with varying terrain on Fort Huachuca.

EPG



Gen 2 Manpack provides the latest upgrade to the warfighter with the TSM and MUOS waveforms in addition to the legacy SINCGARS and IW systems.

ATEC in ACTION

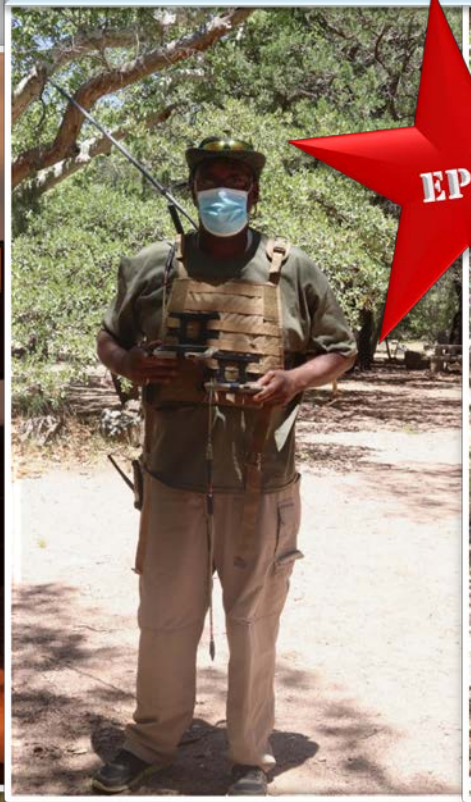
WEEK 29June - 03JULY 2020

HAPPY INDEPENDENCE DAY!

Truth In Testing

EPG engaged in supporting a 'Sandbox' test event at Fort Huachuca for Leader Radio. The concept is to disperse the radios over multiple terrains in order for the developer to 'deep dive' into potential issues on their systems in an iterative test-fix-test cycle to provide the best possible product to the warfighter.

RTC test team is preparing for a Common Missile Warning System (CMWS) test flight utilizing the newly redesigned test instrumentation suite. The test aircraft is commonly known as the Dual CMWS aircraft due to its one of a kind integration of two CMWS systems. The dual CMWS installations allow for side-by-side testing of new CMWS software versus fielded CMWS software, to make direct comparisons of the test results.



Stryker Modular Active Protection System (MAPS) Gen 1 Phase 2 Safety Testing is to support a Safety Confirmation to field MAPS Gen 1 to the entire Stryker Family of Vehicles for the 2nd Cavalry Regiment SBCT in Europe. Six Stryker variants were previously tested; this program additionally tests the Stryker MGS and MCV to determine endurance, E3 safety, as well as verify correct distribution of PNT data to Stryker client systems such as JBC-P and the M95 Mortar Fire Control System.

ATC - Next Generation Squad Weapon Dispersion Testing

ATC tester firing an NGSW-AR submission during NGSW Prototype Test 1 reliability testing.

DPG is supporting numerous USSOCOM UAS activities. Recently, the Arcturus UAV team tested new system upgrades and software integrations. While at DPG, Arcturus simultaneously conducted a rigorous training event to certify new pilots and flight crew.

ATEC in ACTION

WEEK OF 22-26JUNE2020

Truth In Testing

Next Generation Squad Weapon-Rifle/Automatic Rifle (NGSW-R/AR - ATC testers utilizing multiple lanes to complete reliability testing during NGSW Prototype Test 1.

ATC

COL Guy Yelverton, Program Manager for Strategic and Operational Rockets and Missiles (STORM) Project Office visited Redstone Test Center's Test Area 5 to view the static firing of an ATACMS.

EPG

EPG's Antenna Test Facility (ATF) is testing replacement antennas on the large Arc for Lockheed Martin, which will be sold to the Coast Guard to replace their old antennas. Lockheed Martin is testing two variants of the antenna and the Coast Guard will purchase the one with the best performance.

RTC

ATEC IN ACTION

WEEK OF 15-19JUNE2020

Truth In Testing

IM-SHORAD Vehicle PV2– Electrical System Performance Testing

ATC

AMPV-EMD Phase 2 System Level test
The intent of this two phased effort is to identify vulnerabilities against threats expected to be encountered in combat.

ATC

EPG

Ground Based Observational Surveillance System [G-BOSS] Solar Radiation Testing

ATC

Next Generation Squad Weapon NGSW Prototype Test 1 Rifle/Automatic Rifle (NGSW-R/AR) dispersion testing

Soldiers conducting Probability of hit (P(h)) testing at Ft. Knox, KY on the Precision Sniper Rifle (PSR) in the .338 Norma Mag configuration of the weapon system. Engaging targets at 900 meters, 1,200 meters, and 1,500 meters. The three photos on the right are from the operational mission scenarios that required Soldiers to tactically move to the various shooting positions and work as a team to identify, range, and engage multiple targets.

ATC

ATEC IN ACTION

WEEK OF 8-12JUNE2020

Joint operational test event with SOCOM/MARSOC operators and US Army/ARNG Sniper school instructors testing the Precision Sniper Rifle (PSR) at Ft. Knox, KY.

ATC

IM-SHORAD Vehicle PV3: Electrical System Performance Testing

ATC

Electronic Pressure Velocity and Action Time Testing
ATC testers measure the pressure, velocity and action timing of NGSW-R/AR candidate weapon systems during PT 1.

ATC testers performing function firing of NGSW-R/AR candidate weapon systems as a part of PT 1 initial inspections.

AN-PRC 158 Extreme Temperature Testing
Mr. Jacob Nielsen, Test Officer, testing the AN-PRC 158 Manpack for the United States Marine Corps. The Marine Corps was experiencing overheating, which was melting the plastic on the radio and burning Soldiers. They sent to EPG to test the radio in extreme temperatures (55C) and below to analyze when the radio will begin to degrade, not only physically, but also in voice quality and overall performance.

EPG

DPG

BG John Rafferty, Director of the Army Future Command's Long Range Precision Fires Cross Functional Team visited the U.S. Army Redstone Test Center June 3-4 to view second day of seeker captive carry testing, and later received a tour of RTC facilities to learn more about the capabilities available for future projects.

RTC's 6 Degree-of-Freedom (6-DOF) capability at RTC's Environmental & Component Test Directorate's Dynamic Test Division.

Telemetry and Flight Termination projects and their use in Long Range Precision Fire systems.

RTC

19th Special Forces Group, Advanced Skills Detachment Bi-annual training to provide the group with skilled and qualified snipers.

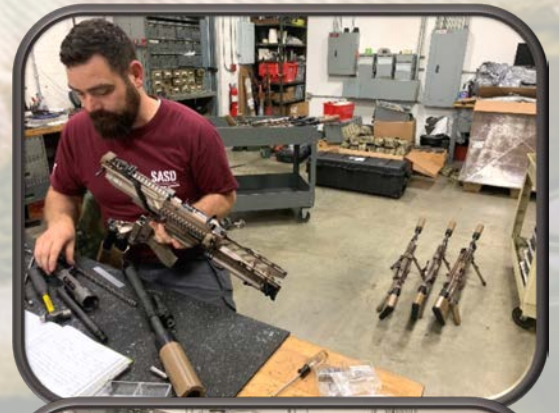
Truth In Testing

ATEC IN ACTION

Week of 1-5JUNE 2020

Truth In Testing

ATC



NGSW

INSPECTIONS

On 1 June ATEC completed two weeks of electronic attack and electronic susceptibility for the ENVG-B as part of the Production Qualification Test. The Soldier pictured above, a member of ATEC Certified Military Testers, provides real-time performance data and human interaction using the ENVG-B, as shown. This test focuses on potential electronic threats, ensuring the ENVG-B can operate in future cyber environments.

Thirty Soldiers from 3-89 CAV of the 10th MNT Div. are supporting RGT-1. Soldiers are getting familiar with the ENVG during New Equipment Training [NET] at Fort Polk, LA. These Soldiers will be part of the ATEC and PEO Soldier Reliability Growth Test to support Army modernization efforts. After one week of NET, these Soldiers will conduct weapons qualification followed by a 72 hour operational mission. This test will provide ATEC with operational usage information and 2,200 hours of reliability data.

Following the conclusion of NET, these Soldiers will conduct weapons qualification and a 72 hour operational mission. This event will provide ATEC with operational usage information and 1200 hours of reliability data.

Learning to pair his ENVG-B with Family of Weapon Sight Individual (FWS-I). ATEC is testing the Soldier's ability to operate both systems.

When the systems are used together in the Rapid Target Acquisition [RTA] mode, this mode projects video feed from the FWS-I to the ENVG-B. Allowing Soldiers to see around corners without being exposed.

ATEC IN ACTION

Week of 1-5JUNE 2020

Truth In Testing

ATC

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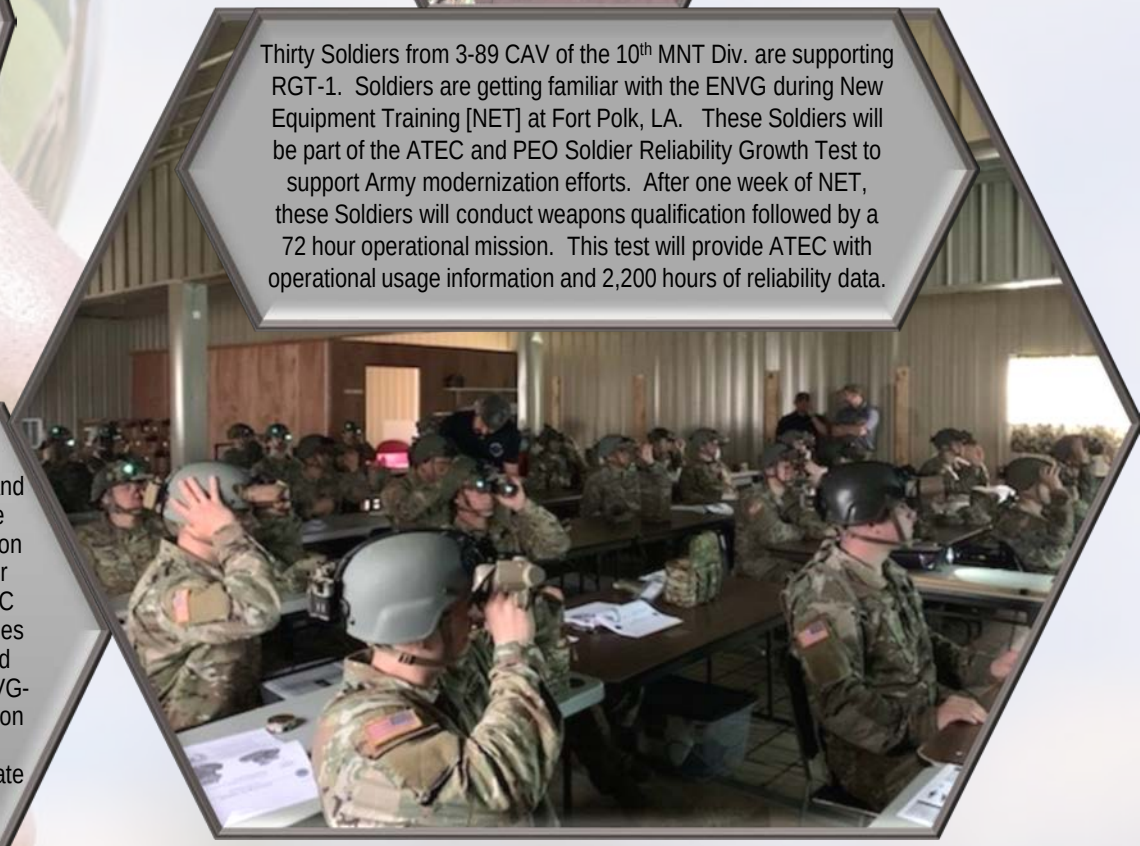


ATEC IN ACTION Week of 18-22 MAY 2020

Truth In Testing

ATACMS SRP Missile testing
White Sands Missile Range,
New Mexico

Army Tactical Missile System (ATACMS) Stockpile Reliability Program (SRP) Flight Termination System (FTS) Testing

The Army Tactical Missile System (ATACMS) is a surface-to-surface missile capable of carrying a variety of munitions. With a top speed over Mach 3 and a range of more than 100 miles, ATACMS has been used for almost 30 years as a key part of the Army's suite of precision fire ballistic missiles. ATACMS has been out of production and in shelf-life extension for several years. RTC regularly supports Stockpile Reliability testing on the Army's inventory of ATACMS missiles.

HAPPY MEMORIAL DAY!

YTCXM654 Propelling Charge Assembly:
The Extended Range Cannon Artillery (ERCA) test program is developing technologies to increase the range of 155mm artillery. The XM654 Propelling Charge is being developed to provide the muzzle velocities required to achieve 70km range from a 155mm projectile. The XM654 will be a one piece combustible cased propelling charge with a stub cased electric primer for use with the ERCA 58 caliber cannon system. YTC has been supporting CCDCAC and PM CAS with testing of various concepts and configurations of the XM654. During 18-28 May, YTC will build various XM654 charge configurations using multiple propellant geometries. YTC will live stream video of the propelling charge build operation to allow CCDCAC and PM-CAS propulsion engineers located offsite to oversee the process. The propelling charges will be fired to assess their performance and select the propellant geometry that yields the most favorable chamber and negative differential pressures as well as muzzle velocities.

ATEC IN ACTION

Truth In Testing

Week of 11-15MAY 2020

YPG | RTC | EPG

The T-11 personnel parachute, which underwent extensive developmental testing at U.S. Army Yuma Proving Ground in the early 2000s, is still returning to YPG for further refinements and improvements. In addition to testing a new pack tray, testers are currently testing improvements to the T-11's reserve parachute, which Soldiers count on in the unlikely event the T-11's main parachute didn't deploy.

Soldiers from U.S. Army Yuma Proving Ground's Airborne Test Force began stitching face coverings made of two-ply cotton for the workforce. The pattern for the covering came from the Centers for Disease Control.

CFT concerned with long-range precision fires of artillery and the Extended Range Cannon Artillery (ERCA) program.

RTC Aviation Flight Test Directorate Chinook Maintenance

Aviation Flight Test Directorate Chinook Tail Rotor maintenance

EPG Contractor Conducting pre-test checkouts for execution of the Production Qualification Test (PQT) for the AN/PRC-158 /162 Manpack.

Stryker is on the small arc at EPG's Antenna Test Facility. EPG is performing antenna gain and pattern measurements of each antenna, to include the Counter Radio Controlled Improvised Explosive Device Electronic Warfare (CREW) and Warfighter Information Network-Tactical (WIN-T) on the Stryker to assess the effects on the antenna in relation to its placement on the vehicle.

ATEC IN ACTION

Truth In Testing

Week of 11-15MAY 2020

YPG

The COVID-19 pandemic hasn't stopped U.S. Army Yuma Proving Ground (YPG) support of Army modernization efforts.

The T-11 personnel parachute, which underwent extensive developmental testing at U.S. Army Yuma Proving Ground in the early 2000s, is still returning to YPG for further refinements and improvements. In addition to testing a new pack tray, testers are currently testing improvements to the T-11's reserve parachute, which Soldiers count on in the unlikely event the T-11's main parachute didn't deploy.

CFT concerned with long-range precision fires of artillery and the Extended Range Cannon Artillery (ERCA) program.

In response to a Sunday, April 5 directive from Secretary of Defense Dr. Mark Esper that mandated all individuals on Department of Defense property, installations, and facilities wear cloth face coverings when they cannot maintain six feet of social distance in public areas or work centers, Soldiers from U.S. Army Yuma Proving Ground's Airborne Test Force began stitching face coverings made of two-ply cotton for the workforce. The pattern for the covering came from the Centers for Disease Control.

ATEC IN ACTION

Truth In Testing

Week of 11-15MAY 2020

RTC Aviation Flight Test Directorate Chinook Maintenance

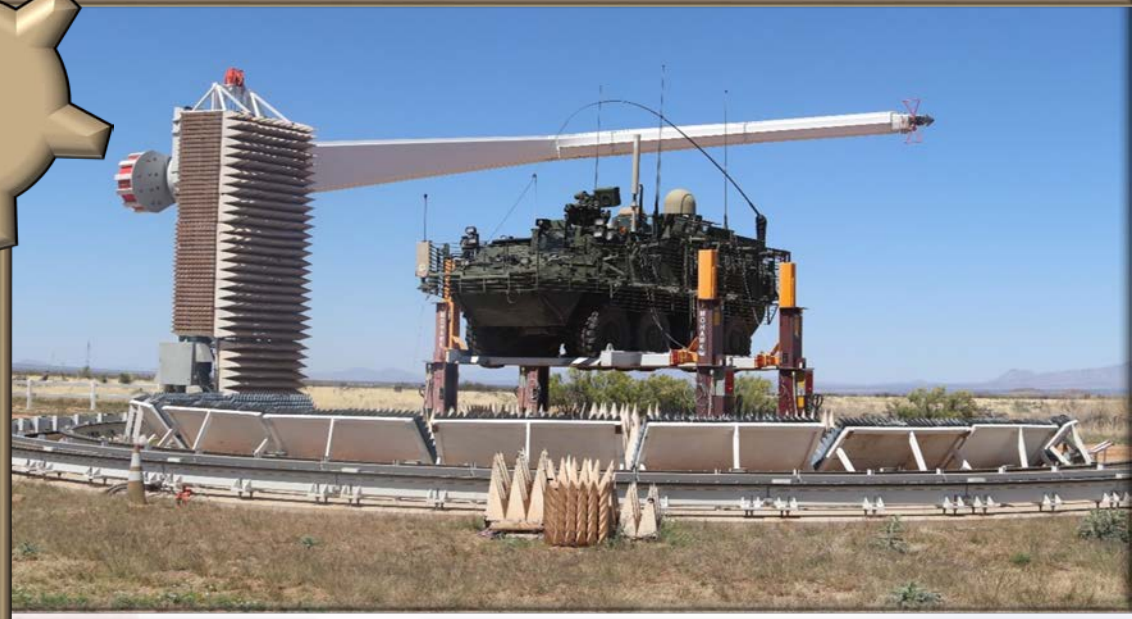
RTC

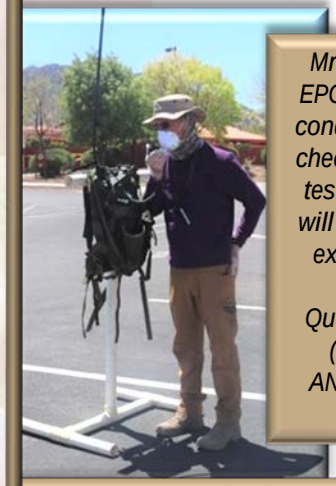
RTC Environmental Component Test Directorate Materials Lab

Aviation Flight Test Directorate Chinook Tail Rotor maintenance

EPG

In these photos the Stryker is on the small arc at EPG's Antenna Test Facility. EPG is performing antenna gain and pattern measurements of each antenna, to include the Counter Radio Controlled Improvised Explosive Device Electronic Warfare (CREW) and Warfighter Information Network-Tactical (WIN-T) on the Stryker to assess the effects on the antenna in relation to its placement on the vehicle.





Mr. Kelly Gilbert, EPG Contractor, is conducting pre-test checkouts of select test locations that will be used during execution of the Production Qualification Test (PQT) for the AN/PRC-158 /162 Manpack.

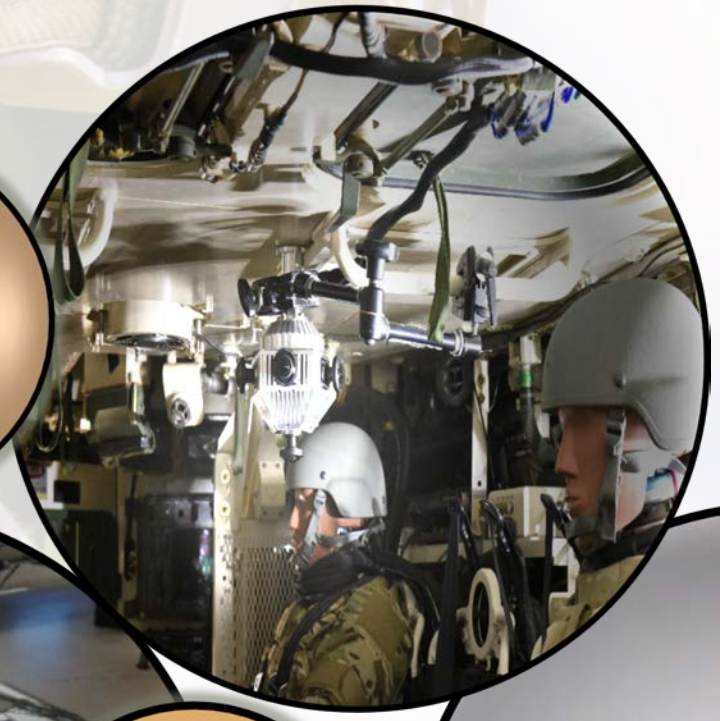
ATEC IN ACTION

Truth In Testing

Week of 4 May-8 May 2020

ATC

no description provided.



EPG

Project Face Shield Mr. Mark Weller, upon being told there was a face shield shortage is using EPG's 3D printer to print face shields during the COVID-19 Pandemic.

OTC

Operation Iron Mask

RTC

Joint Air-to-Ground Missile Live Fire Engagement against High Speed Maneuverable Surface Targets at Eglin Air Force Base, FL.

ATEC IN ACTION

Truth In Testing

Week of 27 APR - 01May 2020

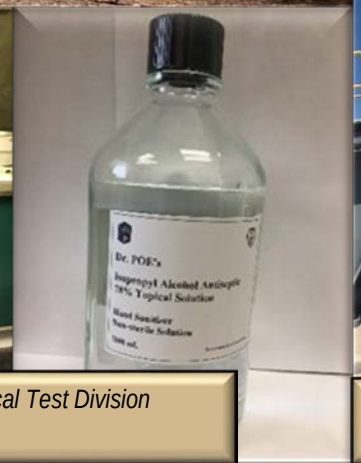
Aberdeen Test Center – IM SHORAD – Weapon firing over the front of the vehicle at 24° Elevation, and over the front of the vehicle at -7° Depression were performed.

Truth In Testing

Redstone - ATGM Stryker
TOW 2A RF missile with an inert warhead against a remote controlled moving T-72 at 2900m.

EPG Military Code GPS User Equipment (MGUE

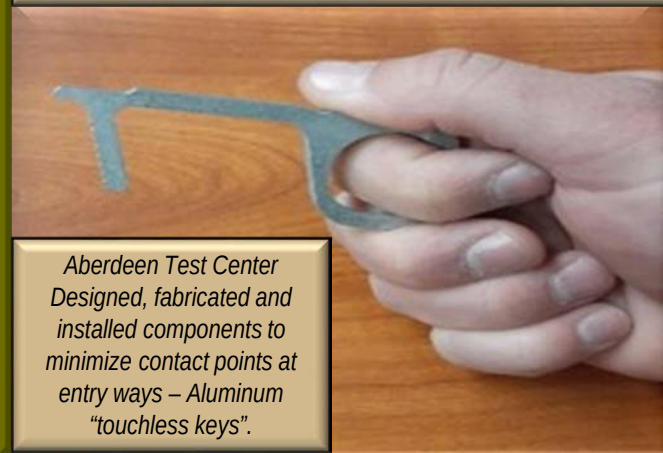
EPG COSPAS SARSAT (Search and Rescue Satellite Aided Tracking) Humidity test



Dugway Proving Ground, West Desert Test Center, Chemical Test Division
Made hand sanitizer (30 gal) for workforce.

YPG- SLRC Heavy Artillery Test Stand (HATS)

Aberdeen Test Center EMI Testing ENVG-B & EUD



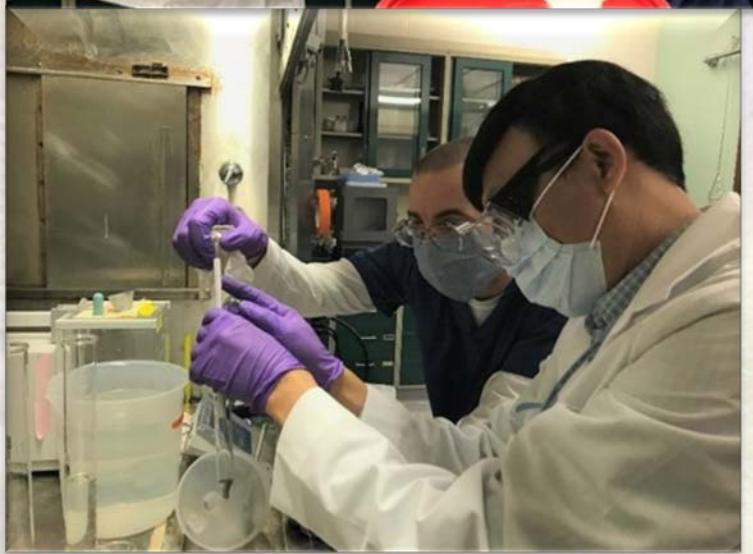
Aberdeen Test Center Designed, fabricated and installed components to minimize contact points at entry ways – Aluminum "touchless keys".

ATEC IN ACTION

Truth In Testing

Week of 27Apr-01 May 2020

Dugway Proving Ground
Empowering The Nation's Defenders



The CDC recommends alcohol-based hand sanitizers with >70% isopropanol. DPG's is upwards of 80%. Dr. Christopher Olson, Dr. Taylor Elrod and Dr. Richard Phan made the DPG hand sanitizer [left to right in photo above].

WHO: Dugway Proving Ground, West Desert Test Center, Chemical Test Division
WHAT: Made hand sanitizer (30 gal) for workforce
WHEN: 24 April 2020
WHERE: Combined Chemical Test Facility, WDTC, DPG
WHY: Ready-made hand sanitizer is in high demand. DPG made its own to maintain a strong supply and provide an additional layer of protection for its workforce against the coronavirus.

ATEC IN *ACTION*

Week of 27APR-01May 2020

IM-SHORAD
Functional and Accuracy Firing Subtest

The Weapons (XM914 and M240) Functional and Accuracy Firing subtest was initiated. 216 M788 TP Rounds were fired.

Weapon firing over the front of the vehicle at 24° Elevation, and over the front of the vehicle at -7° Depression were performed.

Weapon firing over the rear hatch of the vehicle chassis [above stinger reload hatch] No feed issues or weapon stoppages were experienced firing this firing event.

ATEC IN ACTION

Truth In Testing

23 April 2020

Inaugural
ATEC in Action
Storyboard

ATGM Stryker (MITAS)-TOW 2A RF (inert warhead) against moving, remote-controlled T-72

UH-60 Electromagnetic Compatibility EMC Testing

IM-SHORAD Hazard of Electromagnetic Radiation to Ordnance (HERO) Testing

AIAMD IBCS Electromagnetic Radiation Operations