

**Nevada Automotive Test Center is once again proud to host our Vehicle Systems Demonstration immediately following the NDIA Tactical Wheeled Vehicle Conference.**

**Information and updates on the demonstration will be posted on a regular basis to our Rodeo website (<http://www.natc-rodeo.com>).**

NATC has conducted post-NDIA vehicle demonstrations for many years. These demonstrations allow the operation and observation of a variety of wheeled vehicle systems in a mission profile environment.

In previous years, demonstrations ranging from Hybrid Electric Vehicles to Robotic Vehicles to armored vehicles to dynamic rollover events were demonstrated. This year, all of the demonstrations at NATC will be dynamic, allowing participants to functionally operate the various systems. Attendees will be able to view and/or drive all of the demonstrations through a scheduled rotation.

Representatives from the Army, Marine Corps, Office of Naval Research, Department of Homeland Security and other government agencies are scheduled to attend.

If you plan to participate in the February 2010 Rodeo, please contact NATC to identify facilities required and to develop the data package information which will be provided to the attendees. Early discussions and reservations with NATC are encouraged.

### **Hotel Information**

Hotels in the area (ask for NATC rate):

John Ascuaga's Nugget  
1100 Nugget Avenue  
Sparks, Nevada 89431  
Phone: (800) 648-1177  
Web address: [www.janugget.com](http://www.janugget.com)

Gold Dust West Casino  
2171 Highway 50 East  
Carson City, Nevada 89701  
Phone: (877) 519-5567  
Web address: [www.gdwcasin.com](http://www.gdwcasin.com)

### **NATC Demonstration**

The NATC Vehicle Systems Demonstration will be held at the Nevada Automotive Test Center (NATC) on February 10, 2010 following the NDIA Tactical Wheeled Vehicle Conference in Monterey, California. The rodeo format allows vehicle technology developers/manufacturers to demonstrate their solutions in a real world environment.

For 2010, the Rodeo will be focused on mobility and survivability technologies. Enhanced mobility and integration of systems to support situational awareness have been proven to be key elements for success in Afghanistan. Mobility and performance demonstrations of a broad range of armored 4 x 4 through 8x8 vehicles will be included. Technology experts will be available to discuss improvements in ballistic materials, blast modeling and simulation, mission definition, mobility, life cycle cost vehicle dynamics modeling, etc

In order to demonstrate your solution in the NATC Rodeo, please follow the steps listed below:

- Contact NATC to discuss goals and solutions.
- Determine your test area requirements, complexity of demonstration, type of vehicle, etc.
- Provide support information for the solution. NATC packages this information for all participants including a DVD of the demonstration events. This information is made available to allow the participants to recall demonstration highlights and to continue discussions after event.
- Develop the demonstration in a 30 minute format. Each demonstration is repeated throughout the day to ensure that every participant has the opportunity, in a small group, to view and actively participate in the event, drive the vehicle, etc.

Only government representatives and special invitees will attend the demonstration. This will allow each demonstrator to fully discuss their solutions.

**NATC reserves the right to make changes necessary to best support government and industry requirements.**

### **Past NATC Rodeo Demonstrations**

NATC wishes to thank the companies that supported earlier year's post-NDIA demonstrations. Examples of past demonstrations include:



## Frequently Asked Questions

### What is the NATC Technology Rodeo Demonstration?

The NATC Technology Rodeo is an active, hands on, demonstration of vehicle technologies conducted at the Nevada Automotive Test Center proving ground facilities near Carson City, Nevada. This event allows government representatives to observe new technologies in a representative field environment.

The modified or improved vehicle system or component will be demonstrated against appropriate objectives and compared directly to currently fielded systems where possible. Each demonstration will be tailored to specifically highlight the improvements afforded.

Currently, it is anticipated that the demonstrations will be grouped based on "ilities" and light, medium and heavy fleet requirements. The "ilities" include demonstrations of improvements for survivability, maintainability, sustainability, deployability, versatility, lethality, agility, and safety.

### What is the weather like in February?

The temperatures may be in the low to mid 20's in the early morning and can warm up to the 40's and 50's in the afternoon. Precipitation, including rain or snow, is possible. We suggest layered clothing.

### What is the dress code?

NATC requests that civilian attire appropriate for a field demonstration be used by all attendees. Please wear appropriate shoes for walking on gravel or rocky surfaces.

### What government organizations will participate in the demonstration?

Representatives from the U.S. Army, U.S. Marine Corps and Department of Homeland Security are scheduled to attend the demonstration.

### Who should I contact?

General questions: Jill Murwin. ([jmurwin@nadc-ht.com](mailto:jmurwin@nadc-ht.com)) (775) 629-2000

Demonstration events: Henry Hodges, Jr. ([HHodgesJr@nadc-ht.com](mailto:HHodgesJr@nadc-ht.com)) (775) 629-2000

Attendance confirmation, directions to the facility, hotels and transportation, and other logistics issues: Shirley Parnell ([sparnell@nadc-ht.com](mailto:sparnell@nadc-ht.com)) (775) 691-6890

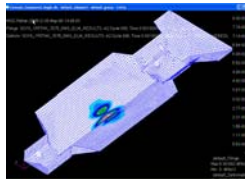
NATC FAQ Website: <http://www.nadc-rodeo.com>

## ABOUT NATC

Since establishment in 1957, the Nevada Automotive Test Center has evaluated, tested and certified more than 1,000 vehicle systems and millions of components for commercial, military and public utility applications.

In 50 years of service to the vehicle industry, NATC has logged millions of test miles against validated military and commercial duty cycles and has advanced the state of the art in test procedures, data acquisition, modeling and simulation, life cycle cost analysis and mission profile analysis.

- NATC offers a full range of Computer Aided Engineering (CAE) capabilities including full vehicle dynamic modeling and simulation, Controls Systems modeling and integration, blast and ballistic simulation, Finite Element Analysis (FEA) and fatigue prediction.



- NATC has the on-site capability to conduct a full range of commercial and military vehicle tests.
- Preceded by MCATTD and LVSR, CTVTD continues NATC's legacy of developing advanced technology demonstrator vehicles for the Department of Defense.
- NATC conducts ballistic and blast testing and has the ability to develop armor kits against the ever changing threats.



- NATC has conducted tire, vehicle and mission profile analysis in Kuwait and Iraq in support of Operation Iraqi Freedom (OIF).
- With more than 3,000 miles of test courses plus access to nearly 1 million acres ranging from 12,000-foot mountain passes to live sand dunes, NATC can test and validate wheeled and tracked vehicle systems for operation virtually anywhere in the world.
- Throughout our history, we have provided unique solutions to unique challenges. We design test programs to system requirements through innovation, responsiveness and technical excellence, providing real time, real world solutions.

# NEVADA AUTOMOTIVE TEST CENTER (NATC)

## Vehicle Technology Demonstration

February 10, 2010



Real Time,  
Real World Solutions™

### POINTS OF CONTACT:

NATC: Mr. Henry Hodges, Jr., (775) 629-2000  
Ms. Shirley Parnell, (775) 629-2000

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Tel. 775-629-2000; Fax 775-629-2029  
Internet: [www.nadc-ht.com](http://www.nadc-ht.com)

NATC Rodeo Website: <http://www.nadc-rodeo.com>