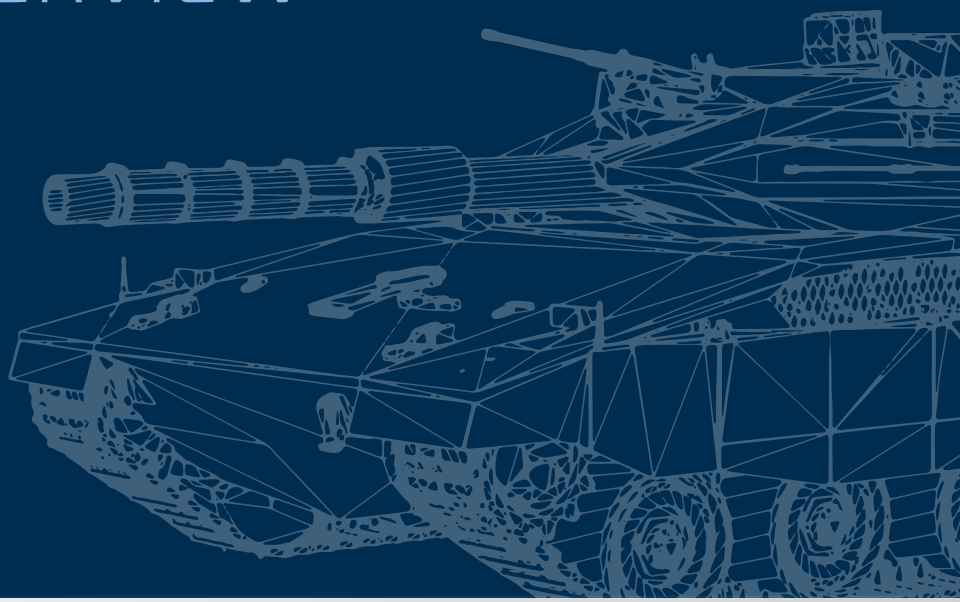
NEXT GENERATION COMBAT VEHICLE

PROGRAM OVERVIEW

November 29 – December 1

Detroit, MI
Embassy Suites by Hilton
Detroit Livonia Novi

IMPROVING
MOBILITY, LETHALITY AND PROTECTION



MOBILITY

Using key innovations for a more agile tank

Determining the best ratio between the type of light weight armor that will be used to decrease the size and weight of the vehicles while still improving the mobility and protection of the vehicle by using active protection systems.

- Lighter weight armor used on the tanks
- High-tech features that will allow for greater overall mobility, such as...

Faster deployment

Better handle of rigorous terrain

The ability to cross bridges otherwise impossible to cross by the Abrams tank

LETHALITY

Creating a more lethal tank to combat future threats

Incorporating directed energy abilities and implementing the flow and transformation of energy to reduce logistical issues.

- Advancing current Abrams tanks by using a mobile Auxiliary Power Unit to be able to hold more leading-edge weaponry as well as designing a more lethal Abrams tank that
  - Uses sensors to increase the targeting range of a weapon
  - Holds more lethal ammunition while also being able to fire off more rounds than ever before
- Incorporating laser and directed energy weapons into the current systems
- Integrating the XM813, originally planned for the Ground Combat Vehicle Program, into the new NGCV program. The XM813 has the ability to...
  - Fire armor-piercing rounds
  - Deploy rounds that detonate in the air near a hiding enemy
- Improved storage and power generated systems
- Advancing the robotic systems used within an armored vehicle

PROTECTION

Incorporating technology to advance protection

- **Using new power sources to reduce the use of fossil fuels while simultaneously increasing operation range**

- Advancing sensors and using new armored materials to lead to lighter vehicles with much greater protection
- Applying algorithms to improve fire control technology by having sensors be able to detect, track, and destroy enemy fire in milliseconds
- New and improved tanks that will begin testing in 2021 will incorporate...
  - Laser finder technology and warning receivers
  - Progressive meteorological sensors



HEAR FROM OUR GREAT SPEAKER FACULTY INCLUDING:

General Robert B. Abrams
Major General David G. Bassett
Major General Eric J. Wesley
Major General Robert Dyess
Major General Clark LeMasters Major General John W. Charlton
Major General William Hix
Brigadier General David A.Lesperance
And more...

WANT TO LEARN MORE?

Join us at

FUTURE GROUND COMBAT VEHICLES 2017

November 29 – December 1
Detroit, MI

http://www.nationaldefensemagazine.org/articles/2017/5/25/next-generation-combat-vehicle-could-replace-aging-bradleys
http://scout.com/military/warrior/Article/Army-Starts-Work-on-New-Tank-After-Abrams-2030s-101457963