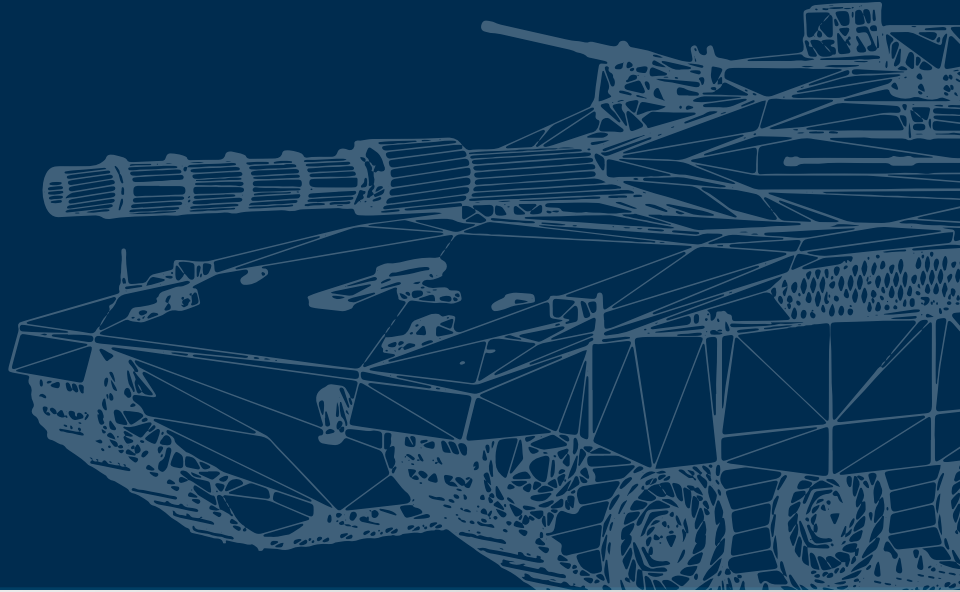


NEXT GENERATION COMBAT VEHICLE PROGRAM OVERVIEW

November 29 – December 1

Detroit, MI
Embassy Suites by Hilton
Detroit Livonia Novi

IMPROVING
MOBILITY,
LETHALITY AND
PROTECTION



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

MOBILITY

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

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
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