Ground Combat Vehicle (GCV)

MISSION
Provides the infantry squad with a highly mobile, protected transport to decisive locations on the battlefield.

DESCRIPTION
The Ground Combat Vehicle (GCV) is a critical element of the Army’s effort to transform, replace, and improve its Combat Vehicle fleet. The GCV Infantry Fighting Vehicle (IFV) will provide force protection to deliver a nine-man infantry squad in an improvised explosive device (IED) threat environment. It will protect occupants from IEDs, mines, and other ballistic threats with scalable armor that provides mission flexibility for the commander.

GCV IFV will be designed with sufficient power and space to host the Army’s advanced network. The IFV will feature an open architecture to facilitate the integration of current and future communications, computers, and surveillance and reconnaissance systems.

The GCV IFV will have enhanced mobility to allow it to operate effectively in a variety of complex environments, including urban and cross county terrain, while carrying a full infantry squad plus crew of three.

The GCV IFV’s organic weapons will be capable of providing both destructive fires against armored vehicle threats and direct fire support for the squad during dismounted assaults. Flexible capabilities can shape the operating environment with effects that can vary from a “shove” to a lethal overmatch.

SYSTEM INTERDEPENDENCIES
None

PROGRAM STATUS
• FY10: Completed materiel development decision; currently proceeding to a Milestone A decision for approval to enter into the technology development phase

PROJECTED ACTIVITIES
• Ongoing: The GCV IFV program will go through competitive development as well as technology development and engineering and manufacturing development phases before entering production; first production of GCV IFV is expected approximately seven years from award of technology development contracts
Concept of Operation: Squad Deployment

GCV Platoon

PL
Medic, RTO, FO
Interpreter, PRT, etc.

Concept of Operation: Platoon Deployment

GCV Infantry Company

PLT
Medic/ RTO/FO
Interpreter, PRT, etc.