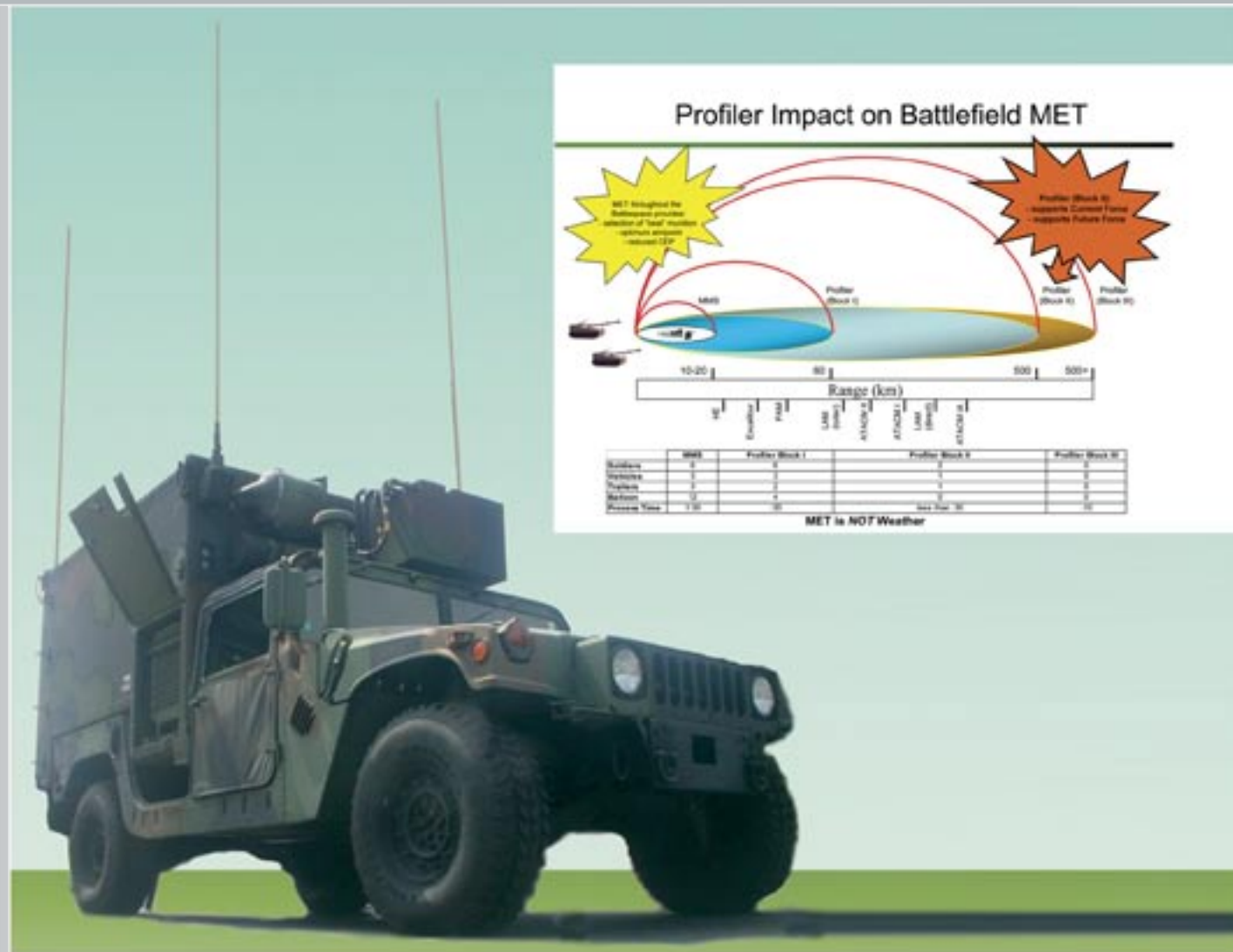


Meteorological Measuring Set–Profiler (MMMS-P)

Improves situational awareness and combat effectiveness with modern, real-time meteorological data over an extended battlespace for the employment of smart munitions.



DESCRIPTION AND SPECIFICATIONS

The Meteorological Measuring Set–Profiler (MMS-P) is a suite of computers and meteorological sensors that builds a four-dimensional meteorological model (height, width, depth, and time), including terrain effects. For the first time, vital target area meteorological information can be produced for the employment of smart munitions, ensures proper munition selection, and determines optimal aim point calculation. This multidimensional “gridded” meteorological (METGM) output can then be used literally to fly projectiles through a virtual space, apply meteorological effects along the entire trajectory, and refine the technical fire solution.

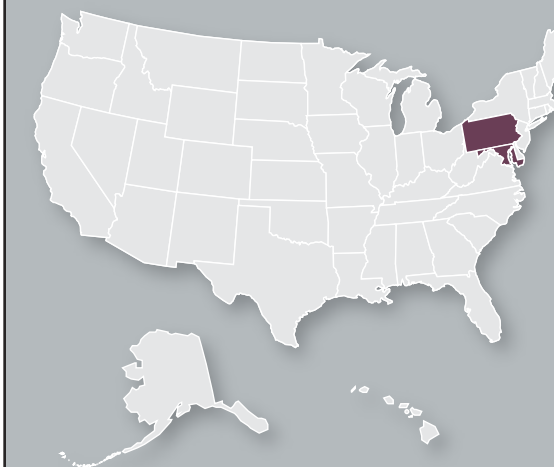
The system is housed in a Standard Integrated Command Post System (SICPS) rigid wall shelter and transported on an M1113 High Mobility Multipurpose Wheeled Vehicle–Expanded Capacity Variant (HMMWV-ECV). The system uses common hardware, software, and operating systems. The initial configuration provides METGM throughout a 60-kilometer-by-60-kilometer battlespace, while the follow-on variant extends coverage to a 500-kilometer-by-500-kilometer battlespace. For the first time, the artillery community and the Army will be able to apply meteorological data from the firing platform to the target area.

PROGRAM STATUS

- **FY03** Awarded low rate initial production contract for three systems
- **FY04** Option exercised for the production of 10 additional systems
- **1QFY05** Initial operational test and evaluation
- **2QFY05** Full rate production decision

PROJECTED ACTIVITIES

- **3QFY05** First unit equipped



CONTRACTORS

Smiths Detection (Edgewood, MD)
Penn State University (University Park, PA)

INVESTMENT COMPONENT

Modernization

ACQUISITION PHASE

- System Development and Demonstration
- Production and Deployment