

Stryker Family of Vehicles (FoV)



Left: Stryker Common Remotely Operated Weapon Station – Javelin (CROWS-J) | Right: Stryker 30mm Medium Caliber Weapon System (MCWS)

The Army has not verified through testing that the issues identified in the November 2021 FOT&E report on the Stryker Common Remotely Operated Weapon Station – Javelin (CROWS-J) have been resolved. The Army should convene a failure review board, continue CROWS-J corrective actions, and evaluate unit performance in a subsequent FOT&E.

The Army plans to conduct FOT&E and LFT&E for Stryker 30mm Medium Caliber Weapon System (MCWS) in FY23.

SYSTEM DESCRIPTION

The Stryker CROWS-J and 30mm MCWS address lethality gaps in the existing Stryker Family of Vehicles (FoV). The CROWS-J lethality upgrade enables Stryker units to fire a Javelin Antitank Missile while under armor. The 30mm MCWS integrates the XM813 cannon (30x173mm) onto a Stryker Infantry Carrier Vehicle Double V Hull.

MISSION

Units equipped with the Stryker FoV provide Combatant Commands a medium-weight force, capable of rapid strategic and operational mobility to disrupt or destroy enemy military forces, control land areas including populations and resources, and conduct combat operations.

PROGRAM

The Stryker FoV, including its lethality upgrades, is an Acquisition Category IC program. DOT&E approved the Test and Evaluation Master Plan annexes for the CROWS-J in September 2019 and 30mm MCWS in June 2021.

The Army is currently fielding the CROWS-J under an Urgent Materiel Release and plans to field subsequent brigades under a Conditional Materiel Release,

pending resolution of the issues identified in the November 2021 CROWS-J FOT&E report.

The Army executed a multi-vendor competition from August – December 2020 to select a design solution for the 30mm MCWS. The selected design from Oshkosh Defense is scheduled for FOT&E in May 2023. The Army intends to field the first unit under a Conditional Materiel Release, unless Stryker program delays require a change to an Urgent Materiel Release to meet the Army’s Regionally Aligned Readiness and Modernization Model timeline.

» MAJOR CONTRACTORS

CROWS-J:

- Kongsberg Defense & Aerospace – Kongsberg, Norway (Primary System)

- Raytheon/Lockheed Martin JV– Tucson, Arizona (Components)
- General Dynamics Land Systems – Sterling Heights, Michigan (Integrator)

30mm MCWS:

- Oshkosh Defense, LLC – Oshkosh, Wisconsin

TEST ADEQUACY

DOT&E published an unclassified CROWS-J FOT&E report with a classified Survivability Annex in November 2021. At this time the Army does not have a plan to conduct a subsequent FOT&E to address the report’s recommendations.

The Army plans to conduct FOT&E and LFT&E of the 30mm MCWS in FY23 to determine if a unit equipped with 30mm MCWS is operationally effective, suitable, and survivable. The Army will submit the FOT&E and LFT&E test

plans to DOT&E for approval at which time DOT&E will determine test adequacy. DOT&E intends to publish a combined FOT&E and LFT&E report in 1QFY24 after testing is completed.

PERFORMANCE

There were no Stryker FoV test events in FY22.

RECOMMENDATIONS

The Army should:

1. Determine the cause of the issues identified in the November 2021 FOT&E report through a failure review board and address CROWS-J deficiencies identified during the operational and live fire assessments in FY21. A subsequent FOT&E of the CROWS-J should be conducted to verify the fixes.