

Focus on Combat Support and Combat Service Support (CS&CSS) Systems

This issue features articles from Program Executive Office Ground Combat Systems (PEO GCS) and PEO CS&CSS, both of which play an integral role in sustaining the joint warfighter through mission-capable systems and technologies. Leading the development, acquisition, testing, systems integration, fielding, sustainment, and improvement of the Army's GCS, PEO GCS ensures that safe, effective, suitable, and supportable GCS capabilities are delivered within prescribed cost, schedule, and performance goals. PEO CS&CSS directs and coordinates the efforts of project and product managers (PMs) in managing the life cycles of more than 300 Army systems, including several joint programs, and is committed to ensuring that the best possible products are available to support the Current Force and beyond.

Our lead article, *PEO GCS—Our Mission is Our Warfighters' Future*, provides an overview of PEO GCS' responsibility for leading and executing every aspect of total life-cycle systems management for the U.S. Army's GCS. *PEO GCS Leads Combat Vehicle Modernization* describes the ground combat force's future through modernization of the Ground Combat Vehicle fleet, which will combine unparalleled effectiveness and suitability into an Infantry Fighting Vehicle. The modernization of the Stryker Family of Vehicles through use of the DOD Systems Engineering process, and its associated challenges, is detailed in *Stryker Modernization—Systems Development and Systems Engineering Requirements Versus Reality*. *Forward Repair Activity-Iraq (FRA-I) Drawdown* details the shift of FRA-I's mission and capabilities to FRA-Afghanistan, which will support Stryker brigades in Afghanistan. *Equipping Joint Warfighters Through Modernization of Unmanned Ground Systems (UGS)* discusses the PEO GCS Robotic Systems Joint Project Office's actions and strategy for equipping joint warfighters through modernization of UGS capabilities. PEO GCS' last article, *Commonality of Towed Artillery Digital Fire Control Systems (DFCS)*, describes commonality of DFCS across towed artillery platforms and a new initiative by Joint Program Manager Lightweight 155mm Howitzer between the M777A2 and the M119A2 towed howitzers.

PEO CS&CSS' *Fleet Management of Tactical Wheeled Vehicles (TWVs)* provides an overview of the Army's TWV fleet as a critical asset that executes a wide range of combat and noncombat missions and describes the unique challenges of each of the light, medium, and heavy fleets. *Fire Suppression Systems (FSS) Enhance TWV Survivability* describes the numerous FSS used by the Army and U.S. Marine Corps to meet current and emerging threats, to include accidental vehicle fires or battle damage fires from ballistic attacks. *Joint Light Tactical Vehicle (JLTV) Technology Development (TD) Phase Vehicles Delivered on Schedule, Competitive Prototyping Proves Fruitful* recounts delivery of the TD phase JLTV prototypes, marking the beginning of the JLTV 12-month test and evaluation effort and the larger 27-month TD phase. In *The Next Generation Automatic Test Station (NGATS) Offers Organic Off-System Test Capability for the U.S. Army*, NGATS is described as the latest iteration of the Army's organic off-system test capability, with significant improvements in capability and system reliability and reduced system costs over previous solutions. The Army's PM Sets, Kits, Outfits, and Tools' efforts to fulfill an Operational Need Statement requesting mobile fire suppression refill stations are detailed in *Army Rapidly Develops Expeditionary Fire Suppression Refill Station*.

Several more PEO CS&CSS articles highlight the Mine Resistant Ambush Protected Vehicle Program, Route Clearance Vehicles, Force Provider Expeditionary Base Camps, Operation H₂O, and Low-Cost Aerial Delivery Systems.

We hope you enjoy this issue filled with important information highlighting PEO GCS' and PEO CS&CSS' efforts to develop, field, sustain, and reset integral equipment and technologies for our Soldiers. Their efforts in keeping our Soldiers outfitted with the most effective systems helps to ensure our Army is the best equipped and most prepared in the world.

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