# The Network as a Weapon System

*Richard Graham, Chief Executive Officer, CodeMettle*
*Categories: #NetOps, #signal, #operations, #dataintegration, #datamanagement*

CodeMettle's capabilities help transform the network from a sustainment function in support of maneuver, to a critical, proactive enabler to every part of a commander's Scheme of Maneuver. The shared understanding of the "network situation" as part of the overall tactical situation and greater mission set is the deliverable hallmark of CodeMettle's software in an easy to use, holistic, actionable Common Operating Picture (COP). CodeMettle's software ConOptic is an open, flexible, and non-proprietary data and decision management tool that by design normalizes disparate data, tags with meta-data at runtime, and shares across different formation types at-echelons.

CodeMettle's products integrate the DoD's network, services, and operational data with mission context all in a browser-based, dashboard driven software platform. This approach bridges the gap between network data and operational data. Our off-the-shelf software solutions are actively utilized in the DoD to bridge S6/G6 NetOps functions to the greater S3/G3 Operations Process for the greater purpose over units' mission set(s). CodeMettle's data management software supports the DoD data strategy in providing context to reduce process complexity and the cognitive load required for multifaceted decision-making during missions and operations. Its central data management, orchestration and network management, and unifying NetOps capabilities increase warfighters' proactivity from the tactical edge to the strategic enterprise.

CodeMettle will be showcasing its latest developments in unifying strategic and tactical networks for the 2nd and 160th Signal Brigades in support of European Defender '20 and real-world operations in Southwest Asia, respectively. We will also demonstrate planning products, an Enterprise SAR/GAR automation system being developed for the Air Force, and the latest updates to the ITN TRIK box management product.

CodeMettle's data normalization and orchestration solutions reduce network complexity for end-users at-echelon. We formalize innate data integration and platform infrastructure to stabilize and manage networks, effectively raising the standard of overall network literacy across warfighting functions. This reduces cognitive load and training burden while simultaneously empowering the warfighter at-echelon. The decreased dependency on FSRs and reduced burden on high-density MOSs and network technicians increases freedom of maneuver in MDMP and the Army Operations Process. CodeMettle's API-based interface, provisioning workflows and automated processes deliver a comprehensive, intuitive visualization through actionable Common Operating Pictures (COP) and dashboards. This enables planners and decision-makers to proactively interpret and manage networks with direct impacts to a unit's mission set.

These products streamline MDMP and the Army Operations Process thereby increasing a unit's overall operational tempo. CodeMettle accomplish this through automated collation and curation of federated multi-echelon data to for planners and decision-makers to visualize missions, schedules, decision support documents, priorities, and risk. CodeMettle's automated end-to-end mission management system simplifies planning, executing, monitoring, of this data in. CodeMettle's data management software supports the DoD data strategy in providing context to reduce process complexity and the cognitive load required for multifaceted decision-making during missions and operations.