

C@RD is Bringing Data Analytics to the Army

The Commander's Actionable Readiness Dashboard (C@RD) is a suite of data analytic tools that facilitates rapid understanding of tactical logistics

information derived from Global Combat Support System (GCSS)-Army data in near-real time. Army logistics data exists in one of two modes: historical and live. Historical data allows commanders and other leaders, for example, to determine operational readiness (OR) rates for monthly reporting periods. Live data allows leaders to understand how many tanks, howitzers, Bradleys, etc. can cross the line of departure right now. Both are extremely important and necessary, and C@RD tracks and analyzes both.

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BI Report: "Reparable and Recovery PM Report"

Logistics trends are determined using historical data. Trend analysis allows leaders to examine and adjust their posture and processes for increased efficiency. C@RD provides historical business intelligence (BI) reports that have been part of GCSS-Army since its initial fielding.

C@RD also contains dashboards that display live logistics data which can be used to make decisions at the moment of need. Currently there are dashboards for equipment readiness, shop stock, fleet management, ZPARK, and obligation adjustment.



C@RD Dashboard: "Equipment Readiness"

There is also a materiel search engine. These dashboards reveal current work orders, status of requisitions, financial holds, etc. By using C@RD, organizations can identify structure misalignment, reduce excess, identify underfunded programs, and cross level material. Monthly readiness reviews (MRR) or logistics readiness reviews (LRR) data can also be captured in a matter of moments and presented while still current.

Many new dashboards are currently in development. Dashboards for equipment on hand (EOH) and DoDAAC portability are in beta testing and will be available very soon. Up next after that is a dashboard for reparables (ORIL).

<u>Access</u>

User access to C@RD is available through the GCSS-Army portal for active users and to non-GCSS-Army users through the AESIP: Army Enterprise Portal. There is no special license required and you will never be locked out. This open access is ideal for commanders, staff officers, and analysts who do not normally access GCSS-Army. For instructions on how to access C@RD and all other C@RD training material, go to:

https://gcss.army.mil/Training/c@rd/C@RD%20DASHBOARD/Launch%20Dashboard.html

Acceptance

C@RD usage is increasing rapidly. Users per month, between November 2019 and November 2020, increased from 2,000 hits to over 13,000. That is nearly a 700% increase! Not only that, but C@RD users are submitting requests for new key performance indicators (KPI) and additional features all the time. Because of this demand from the field, the CASCOM C@RD team has developed a network of stakeholders that we rely upon for feedback during

dashboard development and ideas for future dashboards. Our goal is to elevate this informal stakeholder group into a community of interest that meets regularly throughout the year to shape the ongoing development of C@RD with the users in the spotlight.

Way Ahead

Big data and data analytics are the future, not just in the military but across all sectors of society, from business to medicine and beyond. Coupled with advancements in predictive analysis, artificial intelligence and self-service, the Army will use applications like C@RD to tackle the complex challenges and thorny problems it faces now and will confront in the 21st century. But the key is first to determine and define the problems that need solving. The Enterprise Systems Directorate, Combined Arms Support Command, can't do this without input from the field.

If you have questions about C@RD, would like to become part of the community of interest, have suggestions on enhancements or thoughts on better ways to define the problems that drive our development efforts, email us at:

usarmy.lee.tradoc.mbx.cascom-bi-inc2-cdr-dashboard@mail.mil