# AI Talent BPA

# Redhorse Corporation Call Order #06

# January 2025

COR: Joseph Lamb

Call Order Lead: Nicholas Moore

Call Order Lead Executive: Vincent Bridgeman

Program Name: USCENTCOM Call Order 06

## Executive Summary

Redhorse is providing four AI/ML Engineers in support of USCENTCOM Directorate of Logistics (CCJ4). CCJ4 directs the efforts of the Joint Logistics Enterprise in support of USCENTCOM missions to promote cooperation among nations, respond to crisis, deter and defeat trans regional aggression, while supporting the development of resilient logistics and engineering capabilities of their partners. The scope of this Call Order is to design and develop capabilities into the JLOGCOP to fully leverage the data on hand, automate processes, enhance decision making, and increase the speed of planning.

## Staffing Table

| Nicholas Moore | AI/ML Engineer | 13 Feb 2023 |
| Graham Stacy | Data Scientist | 21 Sep 2023 |
| Craig Brewer | Data Scientist | 14 Feb 2024 |
| Matthew Feliciano | Data Scientist | 26 Feb 2024 |

## Significant Accomplishment

- A meeting was conducted to assess whether the team had met the Initial Operational Capability (IOC) requirements for the public release of all 20 applications. The team received highly positive feedback from both our direct client and the J4 Executive General. As a result, we were granted approval and provided a deadline to transition our applications into production.

## Monthly Status Updates

## CCJ4 Sustainment Dashboard:

- Ensured consistent and accurate data integration within the J4SD and across the second layer of all 20 connected applications.
- Optimized and validated the connectivity of all global applications to the J4SD, enhancing data integrity and system interoperability.

## Army Readiness Review (ARR):

- Implemented priority equipment ordering across all layers of the ARCENT workflow, enabling leaders and AOs to quickly identify and address critical equipment needs. This enhancement ensures a streamlined response to priority downtimes, improving operational readiness and efficiency.
- Implemented AO officer writebacks across three data levels—equipment locations, equipment priority, and unit locations. This enhancement enables J4 analysts and action officers to promptly address inaccuracies in authoritative data sources, ensuring our applications reflect the most accurate and up-to-date information.

## Army Readiness Review Historic:
- Realigned visuals to align with customer intent and analyst feedback, enhancing usability and clarity. This improvement ensures the application is more intuitive and easily interpretable for AO officers and other users.
- Migrated calculation logic for computationally intensive KPIs from Qlik to Databricks, enhancing application speed and performance while ensuring greater accuracy and reliability in reported metrics.

## **Readiness Applications Update (AFCENT, NAVCENT, SOCCENT, SPACECENT, MARCENT):**

- **Data Integrity Validation:** Ensured the accuracy and consistency of reported data across multiple layers within the global suite of applications.
- **Interconnectivity Validation:** Verified seamless integration between each application and the Sustainment Dashboard, ensuring reliable data exchange.
- **Connectivity Enhancements:** Optimized internal application connectivity to enable more efficient data flow across reports and sheets, improving overall system performance.

## Class V: Munitions

- Created a CENTCOM-level OPLAN report that aligns munitions inventory across all relevant COCOMs and with Joint Staff requirements at a global level. This report saves J45 action officers six manual hours per week and enhances the accuracy and efficiency of report generation.

## APS – Army Prepositioned Stock:

- Updated the data pipeline logic and flow to report APS information at the model level, improving granularity from the previous unit-level reporting. This enhancement enables a more detailed and informative drill-down into APS stockages, providing greater visibility and accuracy in readiness assessments.

## Maintenance and Optimization:

- Along with the above efforts that continue to expand technological advancements of the CENTCOM J4, the Team provided maintenance and optimization efforts to previously developed applications to include:
  - Deployment and Distribution
  - Class 1: Fuel
  - Class 3 - Fuel Inventory Dashboard
  - Mortuary Affairs
  - Aerial Delivery
  - Engineer COP
  - Operational Contract Support
  - Joint Health Services
  - Consolidated Requirements Assessment Model,
  - Multinational Logistics,
  - AGATRS.
  - Humanitarian Aide and Disaster Relief

# Upcoming Events/High-Level Meetings:

- None to report at this time

# Upcoming Deliverables/Milestones:

- Global Applications IOC Publication – 2025.02.07
- Maven Migration/Duplication IOC – 2025.04.01

- Sunset LOGCOP data dependencies – 2025.04.01