

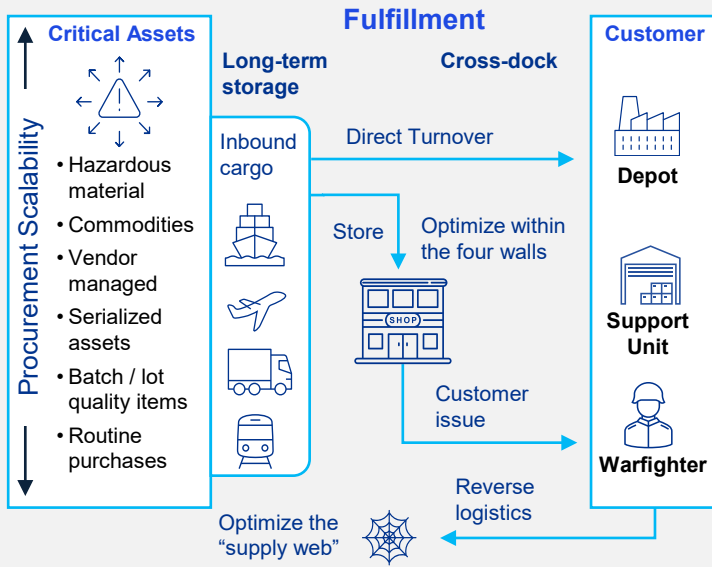


Fulfillment Modernization: Transformative Warehouse Digitization

Overview

Fulfillment modernization involves transforming warehouse and distribution functions at all levels by integrating established and emerging technologies. This includes, but is not limited to, Wi-Fi installation, optical character recognition, and enterprise management systems with **barcoding, QR codes, and RFID for enhanced tracking**. By optimizing receipt, stow, and issue processes, evolving the delivery model, and incorporating **data-driven decision-making** and **process automation**, Federal agencies can consistently exceed service level expectations, mission readiness metrics, and warfighter requirements in any environment.

Simplified **communication and data** flows from vendor source to customer endpoint



Whole of Government

Fulfillment modernization is essential for enhancing resilience, efficiency, and responsiveness to missions both domestically and internationally. By employing scalable systems and technologies to manage diverse inventories, Federal agencies can improve performance and reduce risks for the organization and those they support in the field.

Key Drivers for Change

Fulfillment modernization investments in systems and technology are driven by several critical factors: (1) outdated and manual warehouse processes that limit scalability and optimization; (2) challenges in accurately managing inventory levels and associated metrics; (3) the need to address Financial Improvement and Audit Readiness (FIAR) concerns; and (4) an inefficient network footprint that fails to adequately meet operational demands.

Fulfillment Modernization Benefits



Faster order fulfillment and higher fill rates, even in deployed or contested environments.



Enhanced efficiency through automation, improved data access, and optimized labor utilization, reducing operational costs and overhead.



Optimized operating model that provides a quantitative understanding of value drivers and cost-to-serve.



Improved inventory accuracy and traceability, providing real-time data – reducing errors, manual tasks, and stock-outs.

The Cog in the Wheel

Modernizing fulfillment functions will enhance the end-to-end supply chain by providing visibility, traceability, and measurability of materials and performance. This will lead to more accurate supply chain planning and offer greater flexibility and resiliency for decision-makers.

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