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Outsourcing logistics services

Supply Chain Operating Models

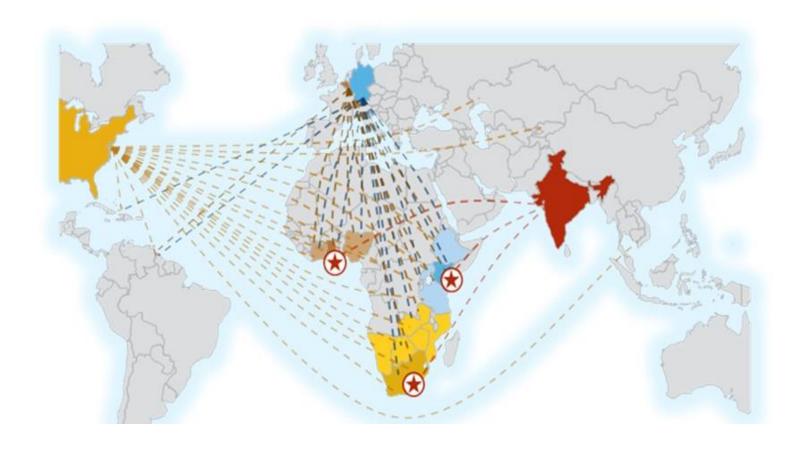
Contact Information



Regional Distribution Centers

What are RDCs?

- One stock holding location to serve multiple geographies
- Part of a collaborative procurement approach
- Moves products closer to their markets, ensuring shorter delivery lead times
- Is responsive to health emergencies i.e., COVID-19



Regional Distribution Centers: benefits

Protect in-country distribution systems

 Stage regional demand near each market and ship smaller, more regular orders

Product security

 Health products are secured at the lowest point of the supply chain to better serve high-risk geographies

Sufficient, pharmacompliant storage

• The lack of pharma-compliant facilities requires significant investment

Lower-cost shipping

 Air freight costs are avoided. Ocean and road freight offer lower logistics costs

Buffer manufacturer supply

Unreliable product supply from drug manufacturers

Regional Distribution Centers: what can be achieved

Product availability

• Regional stock holding of COVID-19 commodities to meet regional demand

Avoids arrival of semi-annual volumes

Due to pooled demand & procurement, product forecasting can be a shorter period i.e.,
 3 months

Minimizes expiries

• Due to one warehouse serving multiple markets, stock expiry rate is low i.e., below global pharma industry standard of 3% - 7%)

Improved response and reaction

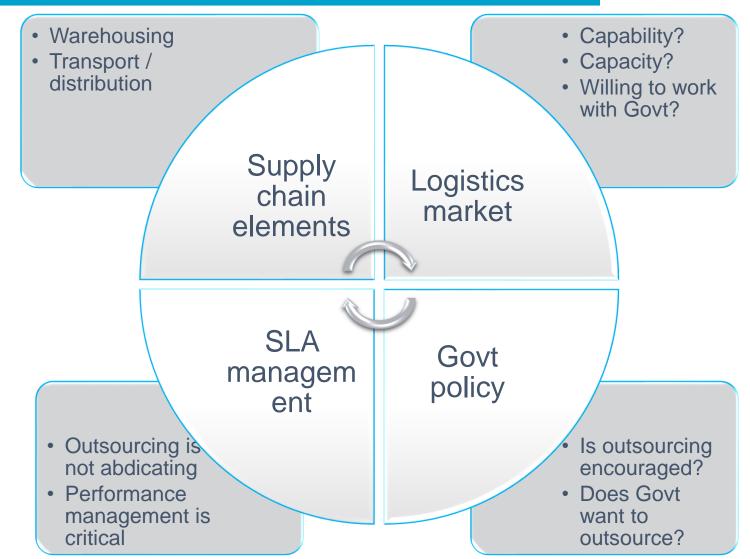
 Orders can be fulfilled within 1-4 weeks, rather than months with orders placed directly on manufacturers

Consistent service levels

• Smaller countries often receive slower responses from vendors. RDCs create parity in product delivery service levels

Operated by regional logistics service providers

Outsourced logistics services



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World Health Organization

Good Warehousing Practices

Good Distribution Practices Service level agreements (SLA)

Resources required

Scope of services

Performance management

Key performance indicators

On-time delivery/lead time management

Stock loss/damage

Accuracy and speed of proof of deliveries (POD)



Supply Chain Operating Models

Government-owned, Government operated

- Logistics infrastructure (warehouses, trucks, staffing) owned by Government
- Government operates the supply chain: from sourcing and procurement to product delivery
- Requires quality management systems (ISO 9001:2015, Six-Sigma, LEAN)

Government-owned, Contractor operated

- Relevant for countries who no longer wish to invest in logistics assets (trucks)
 Typical services include customs clearance, outsourced transport
- Government retains ownership and operation of their central warehouses

Contractor-owned, contractor operated (full outsource)

- An advanced, commercially accepted approach
- Government not longer invests in logistics assets, including central warehouses
- Requires mature local private sector logistics market and infrastructure
- Government transition to stewards of the supply chain

Contact information

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