

# MANAGING MORE THAN CASH LOGISTICS

## OPTIMIZING LOGISTICS AND ADMINISTRATION PROCESSES



### CASH LOGISTICS MANAGEMENT

Cash Logistics Management solutions allow Financial Institutions to track return and cash ordering information from/ to a variety of sources, including ATMs, Branches, the Central Bank, commercial customers, as well as other banks and external vaults. It is made up of several components that enable customers to have a single truth – one view of their world – accessible to everyone who needs to see it.

A robust solution portfolio, that includes everything needed to properly manage the cash network from cash requirements and balances through to performance management of Service Level Attainment.

There are several solution components that complement NCR's core Cash Management solutions, OptiCash and OptiVault.

#### Easy integration with cash management systems

At the heart of the Logistics Management solution portfolio is **Carrier Web**, designed to integrate with any cash management system to provide superior order tracking capabilities.

Carrier Web connects the people, processes and data in the cash supply distribution chain to provide that one view of the world – to everybody who needs it. This is achieved by defining a standard process in which all cash orders will follow; integrating disparate systems; an ability to track an order to completion; and most beneficial is the peace of mind and efficiencies that come from the ability to ensure each actual order is fully synchronized with the key stakeholders that make up your cash distribution supply chain.

#### A complete cash inventory view

With Carrier Web working behind the scenes, orchestrating the daily activities and implementing the optimized plans generated by Cash Management solutions, Vault Balance provides the means to monitor how effectively those plans are being executed with real time transparency of the overall cash position.

**Vault Balance** is a real-time inventory management solution supporting all the vaults in the network with the ability to handle multiple denominations and currency qualities. Whether your vault is in-house or out-sourced, Vault Balance provides the cash position visibility needed to ensure efficient and cost effective cash operations.

For more information, visit [ncr.com](http://ncr.com), or email [ncr.financial@ncr.com](mailto:ncr.financial@ncr.com).



## Keep control of invoices

**Invoice Validation** is an automation tool that takes advantage of NCR's Cash Management complete view of the supply chain. Through the use of sophisticated contract modeling, carrier supplied invoices are imported, compared and an alert is raised as a result of any discrepancies generated through the automated matching process.

This automated process generates "expected" invoices against those provided which are then used to validate by matching at the individual item level. The invoice Validation component has been designed to differentiate between: "possible match", "partial match"; and "potential missing or unknown" invoiced items.

What typically may take several resources and hours of manual processing sifting through multiple third party invoices, one can now enjoy significant savings both in time, resources and potentially lost revenue caused by over-payment. Invoice Validation now automates this tedious process.

## More than just route planning

Cash delivery in a timely manner and with restricted resources becomes very complex quickly, regardless of whether in-house or outsourced to a Cash-In-Transit provider. OptiTransport has been developed to address and reduce the complexities involved with the day-to-day logistics planning of the resources required to move cash.

**OptiTransport** compliments the optimization engine already available today through OptiCash, driving further cost savings. Creating an optimal route plan is important to reducing fuel consumption but it is equally as important to ensure that your logistics teams are able to deliver within the finite resource and time allocated boundaries, ensuring Retailers and Financial institutions alike, the highest customer experience.

## More than just route planning

**OptiReports**, is the latest addition to the Cash Logistics Management solution portfolio. Through the deployment of OptiReports, your organization will automatically benefit from an assortment of reports, including ad hoc as well as dashboards

specifically designed to provide you the basis to begin creating your very own library of reports. In addition, you will be granted access to a common library where your peers around the world will continue to populate and share new material amongst the OptiReports community.

## KEY FEATURES

- Track status updates and trace cash movements
- Enables measurement of carrier compliance to SLAs
- Commercial customer ordering and cash deposits pre-notification
- Carrier order download and confirmation
- Integrates multiple order input mechanisms
- Validates invoices, imports carrier invoices and generates new
- Optimize carrier asset capacity and route planning
- Interfaces with other vendors' cash management systems
- Provides visibility order status for all cash source
- Management reporting and dashboards that you control, create, and personalize, whenever and how often you like

## RELATED SOLUTIONS

NCR OptiCash – is an advanced cash management solution that predicts currency demand for each unique cash point, on an individual basis. By applying sophisticated mathematical algorithms to historical, event and cost data, the optimum cash position and delivery schedule for each cashpoint is determined.

OptiVault – is a vault consolidation application that optimizes currency and coin ordering and clearing for bank money rooms and carrier vaults. OptiVault fully complements the OptiCash cash management system for wholesale banking.

OptiNet – provides a web-based front end to OptiCash, offering full access to the OptiCash system for users not directly connected to the bank or ATM operator's network.

## WHY NCR?

NCR Corporation (NYSE: NCR) is a leader in omni-channel solutions, turning everyday interactions with businesses into exceptional experiences. With its software, hardware, and portfolio of services, NCR enables nearly 700 million transactions daily across retail, financial, travel, hospitality, telecom and technology, and small business. NCR solutions run the everyday transactions that make your life easier.

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20218FIN-D-0218

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