



Cash Centre and Cash-in-Transit Operations

Course: ATM Replenishment and Vault Security

23 – 27 November 2026

London - Central London four-star



Cash Centre and Cash-in-Transit Operations Course: ATM Replenishment and Vault Security

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Introduction:

Cash centre and cash-in-transit operations, covering ATM replenishment and vault security, is a 5-day course for staff running processing halls, armoured fleets and ATM networks, ending with a Cash Operations Improvement Plan for a case operation. Organisations that process, move and load banknotes without forecast-driven loading, tested sorting settings and enforced dual control carry excess idle cash, cash-out ATMs, counterfeit leakage and attack exposure. Nominees supervise cash processing or transport and learn through case studies on sorter reports, ATM dispense data and route logs. CoreConcept Training Center delivers this cash centre and cash-in-transit operations course.

Course Objectives:

- Map the cash cycle across cash centres, branches, ATMs and retail collection points and locate where idle cash, delays and losses arise
- Configure banknote sorting for denomination and fitness and apply magnetic, UV and image checks to separate suspect notes
- Forecast ATM cash demand by denomination and set cassette loading plans that balance idle cash against cash-out events
- Plan CIT routes and crew procedures with irregular timing, stop sequencing and armoured-vehicle security controls
- Operate vault dual control, custody of keys and combinations, and a daily reconciliation that traces every cash difference
- Prepare a Cash Operations Improvement Plan with forecasting, sorting, routing and vault actions for a case operation

Target Audience:

- Managers responsible for bank cash centres, processing halls and note storage vaults
 - Managers responsible for cash-in-transit fleets, crews and route schedules
 - Managers responsible for ATM network availability, cash loading and service visits
 - Managers responsible for cash-handling security, loss investigation and incident response
 - Managers responsible for outsourcing contracts with cash processing and transport providers
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Course Outline:

Day 1: Cash Supply Chain Landscape and Current-State Assessment

- Cash Cycle Map Linking Cash Centres, Branches and ATMs
- Cash Centre Functions Receipt, Processing, Storage and Dispatch
- In-House Versus Outsourced Wholesale Cash Processing Decision Factors
- CIT Service Models Armoured, Semi-Armoured and Light CIT
- Current-State Cash Operations Diagnostic Using Volume and Loss Data

Day 2: Currency Processing, Note Fitness and Counterfeit Detection

- Banknote Sorter Configuration for Denomination, Orientation and Fitness
- Note Fitness Criteria for Soil, Tears, Tape and Graffiti
- Counterfeit Detection Using Magnetic, UV and Image Pattern Checks
- Suspect Note Quarantine, Logging and Handover Procedure
- Coin Sorting, Bagging and Mixed Deposit Reconciliation Workflow

Day 3: ATM Cash Forecasting, Replenishment and CIT Routing

- ATM Dispense History Analysis and Denomination Mix Forecasting
- Cassette Loading Plan Balancing Idle Cash Against Cash-Out Risk
- First-Line and Second-Line ATM Service Visit Scheduling
- Cash Recycling ATM Deposit Reuse and Note Validation Rules
- CIT Route Planning With Irregular Timing and Stop Sequencing

Day 4: Vault Security, Attack Risks and Loss Reconciliation

- Cash Centre Vault Dual Control and Key Custody Register
- Vault Grade Selection and Intelligent Banknote Neutralisation Systems
- ATM Physical Attack Types Ram-Raid, Explosive Gas and Jackpotting
- Armoured-Vehicle Crew Procedures and Pavement Delivery Risk Controls
- Cash Difference Investigation and Daily Vault Reconciliation Report

Day 5: Case Study on the Cash Operations Improvement Plan

- Case Operation Data Pack With Sorter, ATM and Route Records
 - Case Denomination Forecast and Revised ATM Loading Schedule
 - Case Route Risk Assessment and Crew Security Actions
 - Case Vault Control Gaps and Reconciliation Remediation Steps
 - Cash Operations Improvement Plan Completion and Panel Review
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Skills You Will Gain:

- Cash Cycle Mapping
- Banknote Fitness Sorting
- Counterfeit Note Detection
- ATM Cash Demand Forecasting
- Cassette Loading Optimisation
- CIT Route Risk Assessment
- Vault Custody Control
- Cash Difference Investigation

Why Attend This Course:

- Deliver a Cash Operations Improvement Plan to the head of cash operations and the security committee for approval
- Decide how much cash each ATM and vault should hold and which routes need timing or crew changes
- Avoid cash-out ATMs, counterfeit notes reaching customers and losses from predictable transport patterns
- Coach sorting supervisors, vault custodians and crew leaders using the forecasting worksheets and reconciliation checklists

Conclusion:

Back at work, the participant presents the Cash Operations Improvement Plan to the head of cash operations and the security committee. They use it to approve ATM loading levels, sorter fitness settings, route timing rules and vault control changes before the next contract or budget review. Processing supervisors, vault custodians and fleet managers take ownership of named actions. After the first full replenishment cycle, the unit should compare cash-out events, idle cash, suspect note counts, route incidents and unexplained differences with the plan, then adjust forecasts and controls.

Frequently Asked Questions FAQ:

What should participants know before a cash centre and cash-in-transit operations course?

Participants should already supervise cash processing, vault custody, ATM loading or transport crews. No statistics background is needed; ATM forecasting is taught through worked dispense data. Bringing anonymised sorter reports, ATM cash-out logs or route incident records helps apply the case work.

How does a cash centre and cash-in-transit operations course differ from a bank branch management course?

This course covers the wholesale cash chain behind branches: processing halls, armoured transport, ATM loading and central vaults. Branch management courses address one branch's sales, service, staffing and counter controls, while treasury courses manage company liquidity and bank balances.

Why do cash centre and cash-in-transit operations keep ATM replenishment times irregular?

Predictable loading times let criminals plan attacks on crews and machines. Varying visit times and stop sequences, keeping schedules confidential and pairing them with banknote neutralisation systems reduces both the predictability and the value of each stop.

What do participants take back from the cash centre and cash-in-transit operations course?

Each participant takes back a Cash Operations Improvement Plan for a case operation, with a denomination forecast, revised ATM loading schedule, route risk assessment, crew security actions and vault reconciliation remediation, adaptable to their own cash centre or fleet.
