Introduction to NDC ATM Training

2-Day Course Outline

BASE24-eps

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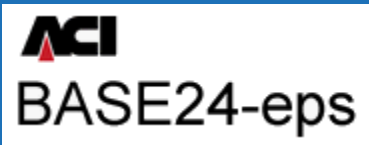
ATM SOFTWARE

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DURATION : 2 DAYS

No knowledge of ATMs is assumed for this course. The course is suitable for candidates who are :

- New to NDC ATM Operations e.g. ATM Software Developers, Operational Support / Monitoring Personnel
- ATM environments which use the NDC Messaging Architecture e.g. KAL Kalignite NDC, APTRA Edge NCR Business Services
- NDC Switch Developers

Day 1

LESSON 1: INTRODUCTION TO   ATMs
LESSON 2: NDC ARCHITECTURE SOLUTION ENVIRONMENT
LESSON 3: NDC MESSAGING

Day 2

LESSON 4: SUPERVISOR FUNCTIONS
LESSON 5: TERMINAL CONFIGURATION

The course, while 'stand up and teach', consists of theory and lots of practical elements. An introduction to basic ATM devices is complemented by using one of the principal ATM software solutions – NDC. The breakdown by lesson is as follows but, the course is designed to have a 'hands-on' feel to include extensive interaction with an ATM running NDC Software

LESSON 1: INTRODUCTORY OVERVIEW
Purpose :- This lesson provides an overview of ATM Devices with an introduction to Cash Cassettes, Reject Bins and their associated configuration

ATM Components – Dispenser, Card Reader, Receipt Printer, Keyboard, Encryptor, Operator Panel
Cassette Types, Reject Bin
Currency – USD, GBP, EUR
Currency Denomination – 5, 10, 20, 50, 100
Note Counts versus Amounts
Workshop : Configure and Install Cassettes, Clear Reject Bin, Multi-Choice Quiz

LESSON 2: NDC Architecture Solution Environment
Purpose:- This lesson describes the NDC Software Solution Environment

How an NDC system works
The NDC system software
How the terminal operates overall - Base 24
The terminal's operating modes
Communications – TCP/IP
Workshop : Configure NDC Host System, Multi-Choice Quiz

LESSON 3: NDC MESSAGING
Purpose:- This lesson describes the typical message flows in an ATM Environment between the terminal and the host environment

Message overview
Central to ATM Terminal Messages
Downloads
ATM Terminal to Central Messages
Message Flow : Typical Transaction Message Exchange
Workshop : Place ATM In / Out of Service; Send Download; Change Screen Text in Download

LESSON 4: SUPERVISOR FUNCTIONS
Purpose:- This lesson describes discusses the NDC Supervisor Mode and associated Menus

Supervisor Interface
Select, Replenish, Configure, Access Menu's
Supervisor Transactions
Journal printer messages, Local error reporting
Workshop : Extract Electronic Journal; Access Diagnostics; Error Logs, Decode Status Messages, Error Screens

LESSON 5: TERMINAL CONFIGURATION & SECURITY
Purpose :- This lesson provides an overview of how to configure an ATM for transactions and, describes the security environment in which the ATM operates

> State tables, What is a State?
> FITs, Screens, Keyboards
> Configuration parameters
> Local configuration
> Smart Card and Magnetic Stripe Cards
> Message Authentication
> Tamper Indication
> Workshop : Quiz ; Complete a Dummy Sate Table Flow Document