ATM Software Solution

ATM Application Development Environment

Visual Studio 2022

ATM SOFTWARE

A complete turnkey software development environment for developing self-service applications

ATM

- Single Microsoft Visual Studio, Visual Basic .NET Project file containing all the logic for a Self-Service Application – ATM, Kiosk, Statement Printer
- ATM Device access abstracted to facilitate different implementations of XFS
- SocketTools Component for implementation of TCP/IP, SSL, Digital Certificates

Management Station

- Implements a Host Emulation system
- Can be used to drive ATM with IT Systems connected via Management Station
- Allows Wi-Fi communication between ATM and Management Station
- Uses SocketTools component for messaging
- User-friendly interface, with easy control of ATM

ATM Management Station

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Cash Services ATM
Pay & Collect ATM
Teller Assist ATM

ATM Reference Manual

Version 24

Reference Manual

- Describes the messaging architecture and, message structures
- Flow Charts describe the implementation of the solution
- Flow Charts show complete ATM transactions
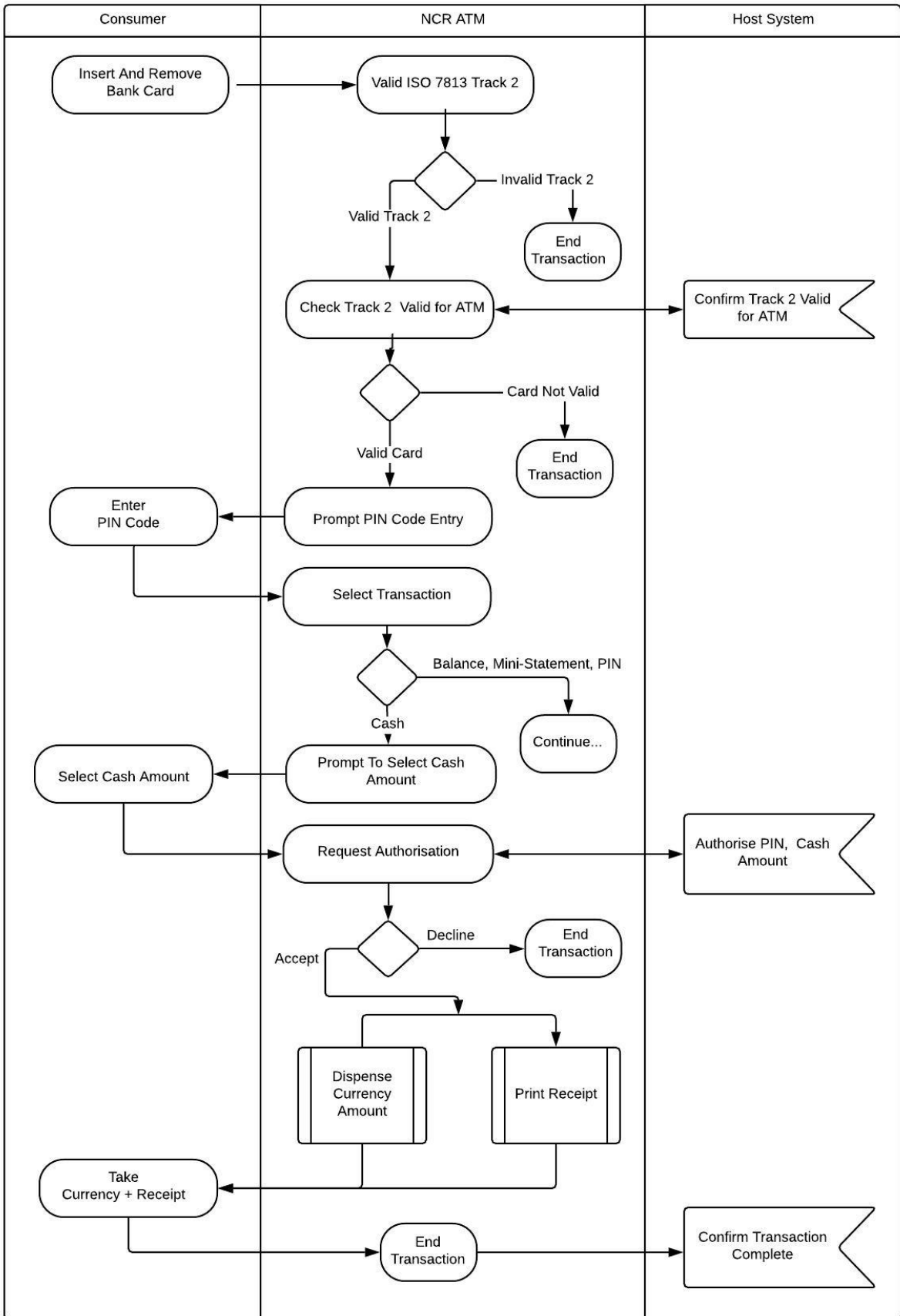
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Demonstration System Operating Manual

Version 12

Operating Manual

• Describes how to configure ATM to allow entry into service
• Describes how to interact online with ATM from Management Station

Cash Transaction Flow Diagram

Consumer	NCR ATM	Host System
Insert And Remove Bank Card	Valid ISO 7813 Track 2	
	Invalid Track 2 → End Transaction	
	Valid Track 2	
	Check Track 2 Valid for ATM	Confirm Track 2 Valid for ATM
	Card Not Valid → End Transaction	
	Valid Card	
Enter PIN Code	Prompt PIN Code Entry	
	Select Transaction	
	Balance, Mini-Statement, PIN → Continue...	
	Cash	
Select Cash Amount	Prompt To Select Cash Amount	
	Request Authorisation	Authorise PIN, Cash Amount
	Decline → End Transaction	
	Accept	
	Dispense Currency Amount / Print Receipt	
Take Currency + Receipt		
	End Transaction	Confirm Transaction Complete

Training Courses

- Introduction to ATM Devices
- Programming ATM Devices with Microsoft Visual Studio, Visual Basic .NET
- CEN XFS Multi-Vendor Protocol for Device Access
- Workshop based, hands-on, approach. Create a demo ATM application using XFS Components