

New Payment Technologies System - Deployment Plan - June 29, 2010

	Phase 1 - Initial Deployment		Phase 2 - Partial Deployment		Phase 3 - Full Deployment	
	Hardware Deployment by SEPTA/NPT Contractor	Media Accepted	Hardware Deployment by NPT Contractor	Media Accepted	Hardware Deployment by NPT Contractor	Media Accepted
Market Frankford Subway Elevated (MFSE) Broad Street Line (BSL)	SEPTA to bring fiber network to station communications closets. NPT Contractor will establish Data Network on the MFSE and BSL. All NPT data rings shall be established and connected to all stations, 1234 Market Street and the Business Recovery Site.	All current forms of payment will continue to be accepted at the Turnstiles (Automated Turnstile acceptance of Magnetic Media and Tokens, Cashier intervention needed for acceptance of Cash and Transfers)	50% of all Turnstiles at each station shall be replaced with fully functional Overhauled or New Turnstiles. All ADA Faregates shall be replaced with fully functional new ADA Faregates of enhanced design. At least 50% of the required quantity of fully functional Fare Vending Device (FVDs) of each type shall be deployed at each station.	Existing Turnstiles will continue to accept all current forms of payment (Magnetic Media and Tokens) New/overhauled Turnstiles and ADA Faregates shall successfully process the following Fare Media for payment purposes: SEPTA Smart Media, SEPTA Magnetic Media and Open Payment Smart Media. FVDs will dispense Smart Media and Magnetic Media to enable Customers to enter system. FVDs will accept Cash, Tokens and Credit/Debit Media as payment for Fare Media	100% of all Turnstiles at stations shall be replaced with fully functional Overhauled or New Turnstiles. 100% of the required quantity of fully functional Fare Vending Devices (FVDs) shall be deployed at all stations.	Sales of Tokens and Paper Transfers will be discontinued. Transfers available by use of Smart Media only. FVD will accept cash, credit/debit, Smart Media and Tokens. FVDs will dispense Smart Media and Magnetic Media to enable Customers to enter system. Turnstiles and ADA Faregates will accept SEPTA Smart Media, Partner Smart Media, Magnetic Media and Contactless Credit/Debit Media. Tokens accepted at FVD only. Full transition to New Media Forms (includes SEPTA Smart Media, Partner Smart Media, Contactless Credit/Debit Media, RFID Cards, Cell Phones, etc.)
Surface Fleet - Buses - Trolleys - Rt. 15 - Rt. 100 - Rt. 101 & 102	Communications Infrastructure shall be extended to Bus Depots and Trolley Barns. NPT Contractor to establish Data Network at All Depots/Barns Limited number of On-board Processors shall be deployed and a Proof of Concept Test will take place to test mobile wireless connectivity between On-Board Processors and CDCRS	All current forms of payment will continue to be accepted on-board surface fleet (Magnetic Media, Cash, Tokens, Transfers) Smart cards will be usable on a limited basis on buses with On-Board Processors	On-board Processors shall be installed and shall be fully functional on the entire Surface Fleet. Wireless Connectivity between all OBPs and SEPTA's NPT Network shall be deployed and fully functional. The Proof of Concept Test to test mobile wireless connectivity between the OBPs and the CDCRS shall have been successfully completed. Full deployment of On-Board Processors Wireless Connectivity between On-Board Processors and all Bus Depots and Trolley Barns shall be fully deployed NPT Equipment will be deployed at Trolley Stations, Route 100 Stations, Bus Turnpoints and Remote Locations	All current forms of payment will continue to be accepted. The On-board Processors shall successfully process the following Fare Media for payment purposes: SEPTA Smart Media. New/overhauled Turnstiles and ADA Faregates shall successfully process the following Fare Media for payment purposes: SEPTA Smart Media, SEPTA Magnetic Media and Open Payment Smart Media. FVDs will dispense Smart Media and Magnetic Media to enable Customers to enter system. FVDs will accept Cash, Tokens and Credit/Debit Media as payment for Fare Media	The Surface Fleet Wireless Network shall be fully deployed and successfully functioning. SEPTA's Smart Media dispersal network shall be fully deployed and successfully working.	Sales of Tokens and Paper Transfers will be discontinued. Transfers available by use of Smart Media only. FVD will accept cash, credit/debit, Smart Media and Tokens. FVDs will dispense Smart Media and Magnetic Media to enable Customers to enter system. Turnstiles, ADA Faregates and OBPs will accept SEPTA Smart Media, Partner Smart Media, Magnetic Media and Contactless Credit/Debit Media. Tokens accepted at FVD only. Full transition to New Media Forms (includes SEPTA Smart Media, Partner Smart Media, Contactless Credit/Debit Media, RFID Cards, Cell Phones, etc.)
Regional Rail Division (RRD) - R1-R8	SEPTA to establish Communications Infrastructure on Airport Line. A limited quantity of Handheld Sales Devices (HSDs) shall be deployed and shall be used in Revenue Service by Airport Line Conductors. Limited quantity of Fare Vending Devices (FVDs) will be installed by NPT Contractor on the Airport Line and at Downtown RRD Stations as pilot program	RRD HSD will accept Cash and Credit Media as payment for RRD Fare Media RRD FVD will accept Cash and Credit/Debit Media as payment for RRD Fare Media Limited Use Media (Magnetic and/or Smart Media) will be dispensed from FVD for travel on Regional Rail (good for visual and HSD Inspection)	Fully functioning HSDs shall be issued to all Conductors. Fully functional ASDs shall be installed at all downtown SEPTA RRD Sales Offices, and at selected other locations. 100% of the required quantity of FVDs of each required type shall be installed and fully functional at SEPTA's RRD stations. All Railroad Turnstiles and ADA Faregates shall be successfully deployed at the downtown RRD stations. Mobile wireless connectivity between all HSDs and the CDCRS shall be fully deployed and fully functional.	New RRD Turnstiles and ADA Faregates shall successfully process the following Fare Media for payment purposes: SEPTA Smart Media, SEPTA Magnetic Media and Open Payment Smart Media. HSD will accept Cash and Credit Media as payment for Fare Media. RRD FVD will accept SEPTA Smart Media, Cash and Credit/Debit Media as payment for RRD Fare Media Magnetic Media and SEPTA Smart Media will be dispensed from FVD for travel on Regional Rail, and will accommodate transfer to Surface and Subway / Elevated	100% of fully functional Media Information Displays (MIDs or Platform Validators) shall be deployed at the SEPTA designated RRD stations.	FVD will accept cash, credit/debit, Smart Media and Tokens. FVDs will dispense Smart Media and Magnetic Media to enable Customers to enter system. Turnstiles and ADA Faregates will accept SEPTA Smart Media, Partner Smart Media, Magnetic Media and Contactless Credit/Debit Media. Tokens accepted at FVD only. MIDs will support Zone-based Fare Payment. Full transition to New Media Forms (includes SEPTA Smart Media, Partner Smart Media, Contactless Credit/Debit Media, RFID Cards, Cell Phones, etc.)
Parking	None	None	100% of fully functional Parking Payment Stations (PPS) shall be installed at the selected Pay-by-Space SEPTA parking facilities.	The PPS shall successfully process the following Fare Media for payment purposes: Cash, Credit/debit Media and SEPTA Smart Media.	100% of fully functional Parking Equipment as defined in Section 15 of the NPT System Technical Specification shall be deployed at the selected SEPTA parking facilities. Fully functional machine readable Parking Permits shall be available for purchase by SEPTA Customers.	Full transition to New Media Forms (includes SEPTA Smart Media, Partner Smart Media, Contactless Credit/Debit Media, RFID Cards, Cell Phones, etc.) PPS will accept Cash, Credit/Debit Media and SEPTA Stored value as payment for parking privileges
Building Access Control System	None	None	Existing building access control system shall be replaced with new equipment	SEPTA employees shall use new Smart Employee Passes with new building access control equipment	None	None
Customized Community Transportation	None	None	CCT Customers shall be issued with customized SEPTA Smart Media with Magnetic and Chip interface	CCT Customers will swipe Magnetic stripe on-board CCT vehicles to electronically record their account number	None	CCT Customers will be able to utilize Stored Value and Calendar Passes in their SEPTA Account by swiping Magnetic Stripe on-board CCT vehicles
SEPTA Sales Offices	SEPTA will make available network infrastructure to support deployment of devices	All current forms of payment will continue to be accepted and all current media forms will continue to be sold	Full deployment of Administrative Sales Devices (ASDs) at SEPTA Sales Offices and other locations	All current forms of payment will continue to be accepted and all current media will continue to be sold ASDs will provide support for distribution and replenishment of SEPTA Smart Media.	None	All current forms of payment will continue to be accepted. Sales of Paper Tickets, Tokens and Transfers to be discontinued. SEPTA Smart Media and Magnetic Media will be sold. ASDs will provide support for all forms of Smart Media
Back Office - NPT CDCRS and Customer Support Services	The fully-functional CDCRS shall be deployed with wired and wireless communications links for all NPT and On-Board Processor (OBP) equipment as well as links to external bank or non-bank financial clearing systems for settlement purposes. The fully-functional Back-up CDCRS shall be deployed at SEPTA's Business Recovery Site with wired and wireless communications links for all NPT and On-Board Processor (OBP) equipment as well as links to external bank or non-bank financial clearing systems for settlement purposes. The NPT Customer Support Services Center shall be deployed and fully functional (IVR, manned services and on-line services) to support Customer and SEPTA Inquiries regarding the Pilot Programs. The NPT Test Lab Facility shall be successfully installed and operational.		SEPTA will distribute SEPTA Smart Media NPT Customer Support Center shall be available to support Customer management of SEPTA Smart Media Accounts		SEPTA will distribute SEPTA Smart Media NPT Customer Support Center shall be available to support Customer management of SEPTA Smart Media Accounts and Partner Smart Media Accounts.	
NPT System Warranty	All activities covered by the NPT System Contract		Warranty Program commences with start of Revenue Service.			
NPT Maintenance Services - Repair Maintenance			Covered under the Warranty Program.		Covered under the Warranty Program.	
NPT Maintenance Services - Preventative Maintenance			Preventative Maintenance Services commence upon start of Phase 2 Revenue Service			
NPT Network Administration Services			Network Administration Services commence upon start of Phase 2 Revenue Service			
NPT Credit and Debit Media Processing Services			Credit/debit Processing Services commence upon start of Phase 2 Revenue Service			
NPT Commercial Wireless Services			Proof of Concept Test will take place to test mobile wireless connectivity between NPT devices and credit/debit transaction clearing center		Full transition to New Fare Media Forms. Wireless Network will provide support for all acceptable forms of Fare Media payment.	