

**DVRPC Regional ITS Architecture - DRAFT - *March 2009***

**Interconnect Diagram – Regional ITS Elements**

**Centers**

<b>Archived Data Management Subsystem</b>	
BCBC Data Archive	NJTPA/SJTPO Data Archive
DRPA Data Archive	PATCO Data Archive
DVRPC Data Archive	PennDOT Central Office - Data Archive
ISP Data Archive	PennDOT District 6 - Data Archive
Municipal Traffic Operation Centers	Philadelphia Streets Dept. Data Archive
New Jersey County Traffic Operations Centers	PSP - Norristown Consolidated Dispatch Center
NJ TRANSIT Data Archive	PTC Data Archive
NJDOT Data Archive	SEPTA Data Archive
NJSP Data Archive	SJTA Data Archive
NJTA Data Archive	
<b>Commercial Vehicle Administration</b>	
NJ CVIEW System	PennDOT Driver and Vehicle Services
NJTA HAZMAT Permit System	
<b>Emergency Management</b>	
Amtrak Emergency Dispatch/Police	NJSP Regional Operations Intelligence Center
BCBC Police	NJSP/NJDOT/NJDEP Statewide Dispatch Center
DRJTBC Offices	PATCO Center Tower Police Dispatch
DRPA Police - Bridge Unit	PEMA Emergency Operation Center
DRPA Police - Transit Unit	PennDOT District 6 - Traffic Management Center
DRPA Traffic Operations Center	PennDOT Statewide Traffic Management Center
Municipal Police and Fire Dept. Operations	Pennsylvania County 9-1-1 Communications Centers
National Guard	Pennsylvania County Emergency Mgmt. Offices
National Park Service Management Center	Pennsylvania Office of Homeland Security
New Jersey County 9-1-1 Communication Centers	Philadelphia Fire Dept. Fire Command Center
New Jersey County Emergency Management Offices	Philadelphia Office of Emergency Mgmt. Operations
New Jersey Incident and Mutual Aid Network	Philadelphia Police Dept. Radio Room Dispatch
New Jersey Office of Homeland Security	PSP - Local Troop Offices
NJ State Office of Emergency Management	PSP - Norristown Consolidated Dispatch Center
NJ TRANSIT Police Dispatch/Command Center	PTC Operations Control Center
NJDOT Statewide Transportation Operations Center	SEPTA Emergency Dispatch/Police
NJDOT TOC South	SJTA Traffic Operations Center
NJDOT Trenton Emergency Operations Center	Towing Industry Responders
NJSP - Troop Dispatch	
<b>Fleet and Freight Management</b>	
Commercial Vehicle Dispatchers	Private Terminal Operators Systems
<b>Information Service Provider</b>	
Amtrak Traveler Information Services	PennDOT 511 System
DRPA/PATCO Traveler Information	PennDOT Road Condition Reporting System (RCRS)

ISP Traveler Information Systems	PennDOT Traveler Information Services
National Park Service Management Center	PennDOT Welcome Centers and Rest Areas
New Jersey County Traveler Information	Phila Intl Airport Traveler Information Services
NJ 2-1-1	PTC Traveler Information Services
NJ TRANSIT Corporate Customer Info Center System	SEPTA Traveler Information Services
NJ TRANSIT Web Site	SJTA Traveler Information System
NJDOT 511 System / Traveler Information Services	TMA's - New Jersey Traveler Information Services
NJTA Interactive Voice Response System (IVR)	TMA's - Pennsylvania Traveler Information Services
NJTA Website	
<b>Maintenance and Construction Management</b>	
DRJTBC Offices	NJDOT Trenton Emergency Operations Center
DRPA Bridge Maintenance	NJTA Maintenance
DRPA Traffic Operations Center	PennDOT Central Office Organizations
New Jersey County Public Works Depts.	PennDOT District 6 - County Maintenance Offices
NJDOT Construction Management System	PennDOT District 6 - Traffic Management Center
NJDOT Maintenance	Philadelphia Streets. - Maintenance and Construction
NJDOT Regional Emergency Operations Centers	PTC Maintenance Offices
NJDOT Statewide Transportation Management Center	SJTA Traffic Operation Center - Maintenance
NJDOT TOC South	SJTA Traffic Operations Center
<b>Toll Administration</b>	
BCBC Toll Plazas	NJTA Toll Plazas
DRJTBC Toll Plazas	PTC Toll Plazas
DRPA Toll Plazas	SJTA Toll Plazas
E-ZPass CSC (Customer Service Center)	
<b>Traffic Management</b>	
BCBC Traffic Operations Center	NJDOT Trenton Emergency Operations Center
DRJTBC Offices	NJSP/NJDOT/NJDEP Statewide Dispatch Center
DRPA Police - Bridge Unit	NJTA Traffic Management Center
DRPA Traffic Operations Center	PennDOT District 6 - Traffic Management Center
Municipal Traffic Operation Centers	PennDOT Road Condition Reporting System
National Park Service Management Center	PennDOT Statewide Traffic Management Center
New Jersey County Traffic Operations Centers	Phila Sports Complex SSD Operations
NJDOT Regional Emergency Operations Centers	Philadelphia Streets Dept. Traffic Operations Center
NJDOT Statewide Transportation Operations Center	PTC Operations Control Center
NJDOT TOC South	SJTA Traffic Operations Center
<b>Transit Management</b>	
Amtrak Centralized Traffic Electrical Control	NJ TRANSIT Rail Operations Center Systems
DVRPC Regional Fare Reciprocity Network	Paratransit Management Subsystems
NJ TRANSIT Access Link Paratransit Dispatch	PATCO Center Tower
NJ TRANSIT Bus Operations South	PATCO Fare Management System
NJ TRANSIT Corporate Customer Information Center	SEPTA Fare Management System
NJ TRANSIT Corporate DVPRC Region Transit	SEPTA Operations Center
NJ TRANSIT Fare Management System	SJTA Transportation Services Division
NJ TRANSIT Light Rail Transit - River Line	

## FIELD

<b>Commercial Vehicle Check</b>	
Municipal Police Commercial Vehicle Enforcement	PennDOT Central Office Organizations
NJSP Commercial Carrier/Safety Inspection Unit	PSP Motor Carrier Services and Enforcement Division
<b>Parking Management</b>	
National Park Service Management Center	Phila Intl Airport Parking Facilities
NJ TRANSIT Parking Facilities	Philadelphia Parking Authority Parking Facilities
PATCO Fare Management System	Philadelphia Sports Complex Special Services District
PATCO Parking Facilities	SEPTA Parking Facilities
<b>Roadway Subsystem</b>	
BCBC ITS Field Equipment	NJDOT ITS Field Equipment
DRJTBC ITS Field Equipment	NJTA Turnpike ITS Field Equipment
DRPA ITS Field Equipment	PennDOT District 6 - ITS Field Equipment
ISP ITS Field Equipment	PennDOT Other District - ITS Field Equipment
Municipal ITS Field Equipment	Philadelphia Streets Dept. ITS Field Equipment
National Park Service Management Center	PTC ITS Field Equipment
New Jersey County ITS Field Equipment	SJTA ITS Field Equipment
<b>Security Monitoring Subsystem</b>	
BCBC Infrastructure Security Equipment	PATCO Facility Security Equipment
DRJTBC Infrastructure Security Equipment	PennDOT Infrastructure Security Equipment
DRPA Infrastructure Security Equipment	Philadelphia Infrastructure Security Equipment
NJ TRANSIT Police Facility Security Equipment	PTC Infrastructure Security Equipment
NJDOT Infrastructure Security Equipment	SEPTA Facility Security Equipment
NJSP Regional Operations Intelligence Center	SJTA Infrastructure Security Equipment
NJTA Infrastructure Security Equipment	
<b>Toll Collection</b>	
BCBC Toll Plazas	NJTA Toll Plazas
DRBA Toll Plaza	PTC Toll Plazas
DRJTBC Toll Plazas	SJTA Toll Plazas
DRPA Toll Plazas	

## VEHICLES

<b>Commercial Vehicle Subsystem</b>	
Commercial Vehicles	
<b>Emergency Vehicle Subsystem</b>	
NJDOT Emergency Service Patrol Vehicles	Police and Fire and EMS Vehicles
NJSP Vehicles	PSP Vehicles
PennDOT District 6 - Emergency Service Patrols	SJTA Emergency Service Patrol Vehicles
<b>Maintenance and Construction Vehicle</b>	
DRJTBC Maintenance Vehicles	Philadelphia Streets Dept. Maintenance and
DRPA Maintenance Vehicles	PTC Maintenance and Construction Vehicles
New Jersey County Public Works Dept. Vehicles	SJTA Maintenance Vehicles
PennDOT District 6 - Maintenance and Construction	
<b>Transit Vehicle Subsystem</b>	
NJ TRANSIT Vehicles	SEPTA Transit Vehicles
Paratransit Vehicles	SJTA Transportation Services Division Vehicles
PATCO Vehicles	
<b>Vehicle</b>	
Travelers Vehicles	

## TRAVELERS

<b>Remote Traveler Support</b>	
NJ TRANSIT Corporate Customer Information /	PATCO Fare Point of Sale
NJ TRANSIT Fare Point of Sale	PennDOT Welcome Centers and Rest Areas
NJ TRANSIT Police Facility Security Equipment	PTC Service Plazas
NJTA Service Plazas	SEPTA Customer Display Systems
PATCO Customer Display Systems	SEPTA Facility Security Equipment
PATCO Facility Security Equipment	SEPTA Fare Point of Sale
<b>Personal Information Access</b>	
Personal Traveler Information Devices	