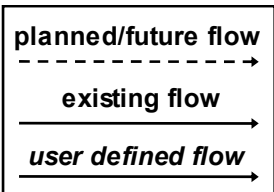
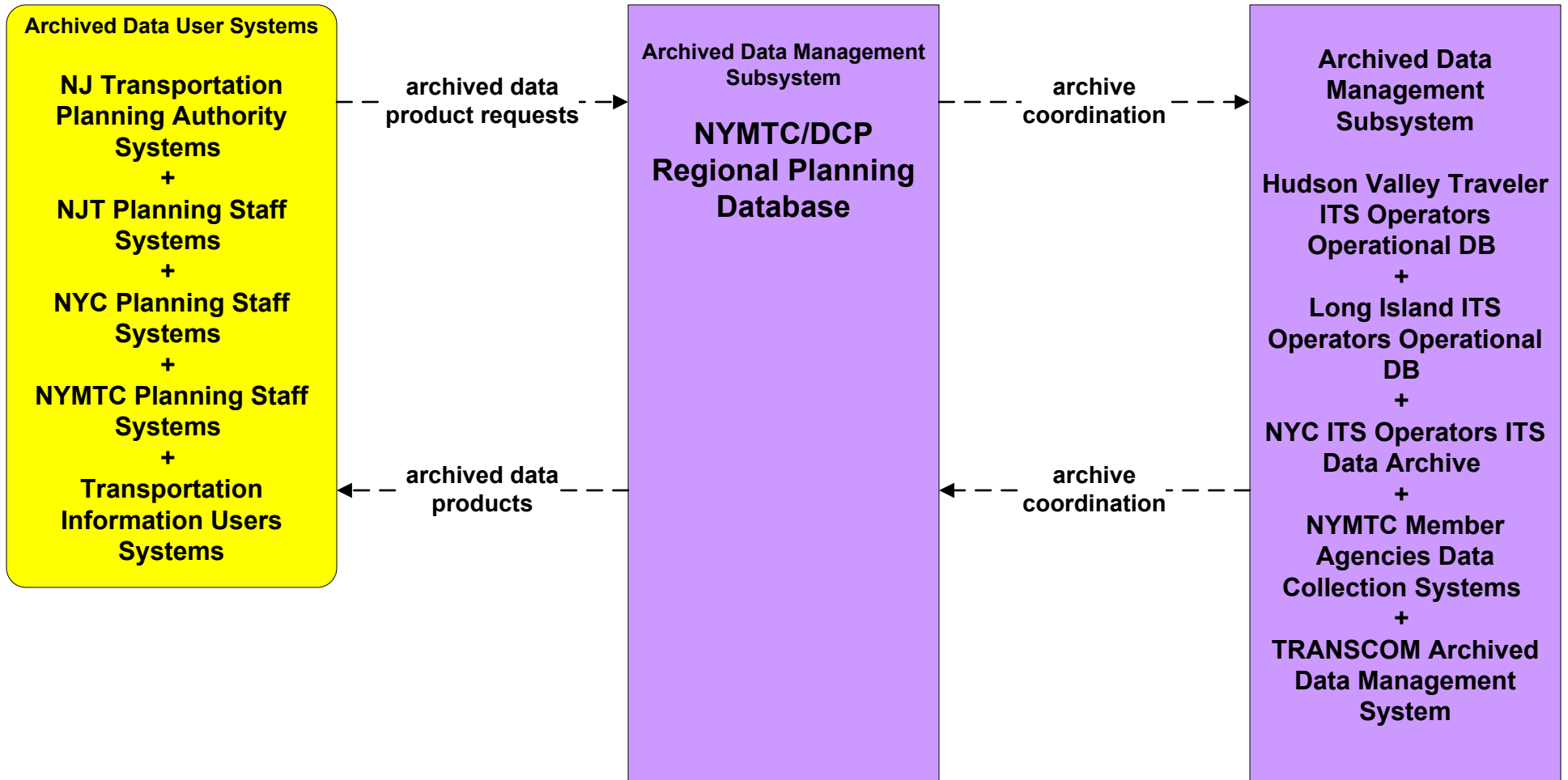


# AD3 - ITS Data Warehouse

## NYMTC/DCP Regional Planning Database



*The ITS Element 'NYMTC Member Agencies Data Collection Systems' represents generic data that is integrated with the common elements of location and time*

# APTS1 - Transit Vehicle Tracking

## New York City Metropolitan Area Regional Transit Vehicle Location Consortium

Future use of common technologies and standards to allow participating agencies to share / develop a common transit vehicle tracking infrastructure (e.g., monitor the location of their transit vehicles along other agency's vehicle location systems).

**Transit Management**

- Long Island Transit Operators Systems
- +
- Mid Hudson South Transit Operators Systems
- +
- MTA LIRR Operations Center Systems
- +
- MTA Long Island Bus Fixed Route Bus Operations Center
- +
- MTA Long Island Bus Paratransit Operations Center
- +
- MTA Metro North Operations Center Systems
- +
- MTA NYCT Bus Command Center - Operations
- +
- MTA NYCT Paratransit Command Center
- +
- MTA NYCT Staten Island Railway Control Facility

*transit vehicle location data\_ud*  
+  
*transit vehicle schedule performance\_ud*

*transit vehicle location data\_ud*  
+  
*transit vehicle schedule performance\_ud*

**Other TRM**

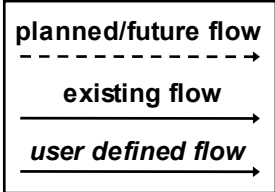
**Regional Transit Vehicle Location Consortium**

*transit vehicle location data\_ud*  
+  
*transit vehicle schedule performance\_ud*

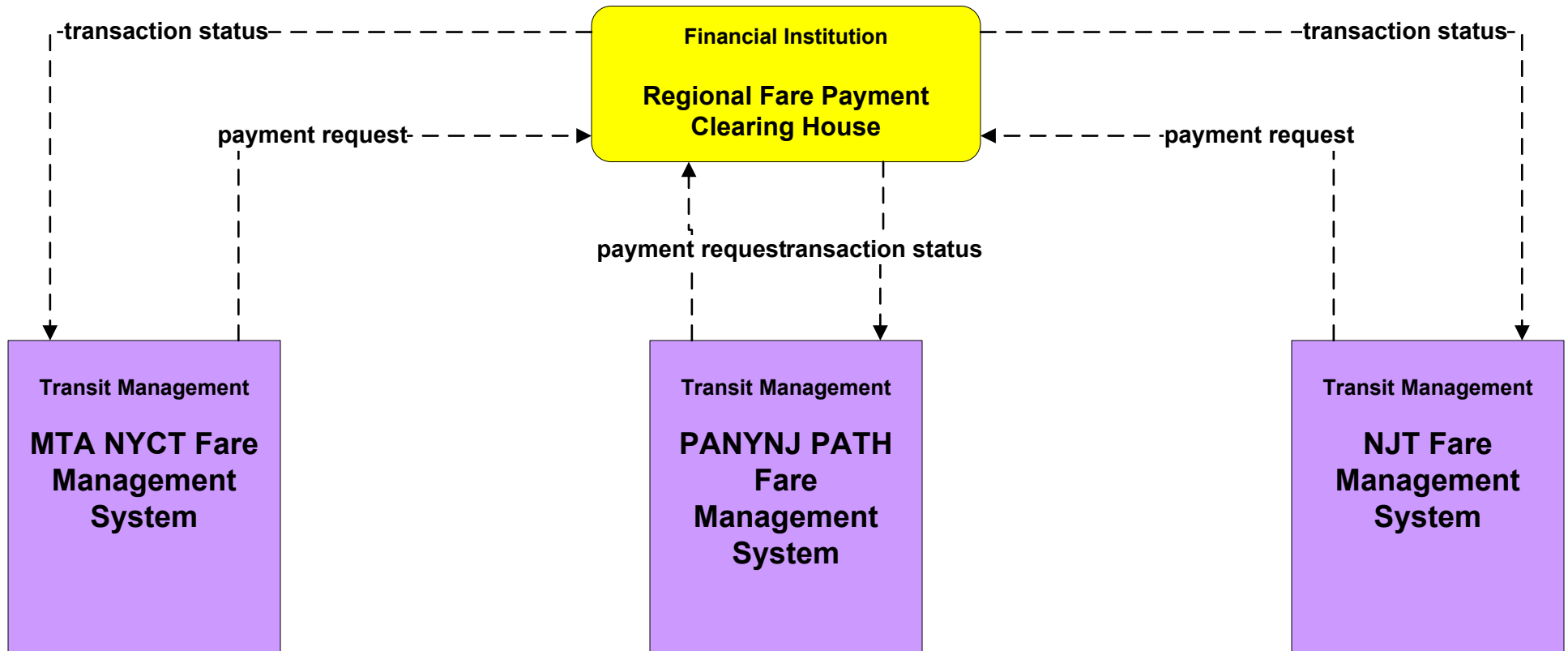
*transit vehicle location data\_ud*  
+  
*transit vehicle schedule performance\_ud*

**Transit Management**

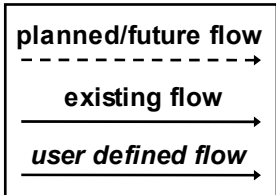
- MTA NYCT Subway Rail Control Center
- +
- NJT Bus Operations Systems
- +
- NJT Rail Operations Systems
- +
- NYCDOT Division of Ferry Operations Systems
- +
- NYCDOT Franchise Bus Operators Systems
- +
- Private Ferry Operators Systems
- +
- Private Long-Distance Bus Operators Systems
- +
- Private Paratransit Operators Systems
- +
- TRANSCOM TRIPS123
- +
- Westchester County Bee Line Fare Management System



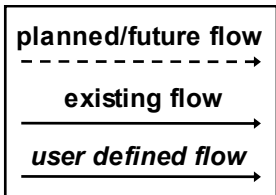
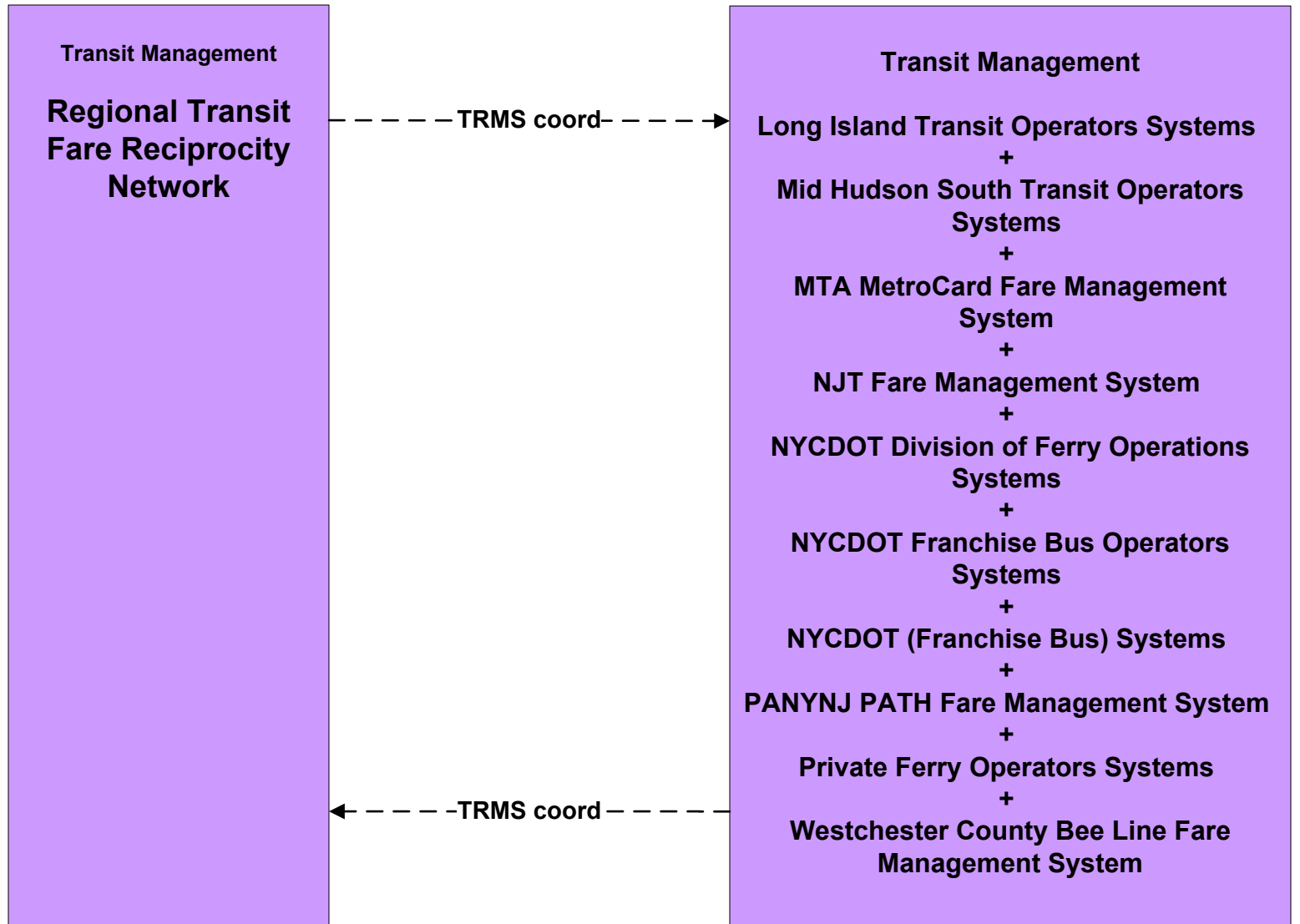
# APTS4 - Transit Passenger and Fare Payment PANYNJ PATH Fare Administration



*In the future, non transit use of transit fare payment media for parking, travel services, ecommerce.*



**APTS4 - Transit Passenger and Fare Payment  
Regional Transit Fare Reciprocity Network (FUTURE)**



**APTS7 - Multimodal Coordination  
Regional Transit Information Exchange**

**Transit Management**

- AMTRAK Operations Center**
- +
- Long Island Transit Operators Systems**
- +
- Mid Hudson South Transit Operators Systems**
- +
- MTA LIRR Operations Center Systems**
- +
- MTA Long Island Bus Fixed Route Bus Operations Center**
- +
- MTA Metro North Operations Center Systems**
- +
- MTA NYCT Bus Command Center - Operations**
- +
- MTA NYCT Staten Island Railway Control Facility**
- +
- MTA NYCT Subway Rail Control Center**
- +
- NJT Bus Operations Systems**
- +
- NJT Rail Operations Systems**
- +
- NYCDOT (Franchise Bus) Systems**
- +
- PANYNJ TB/T Bus Terminals/Stations Communications Desk/  
Operations Center**
- +
- PANYNJ PATH Operations Center**
- +
- Private Ferry Operators Systems**
- +
- Private Long-Distance Bus Operators Systems**
- +
- TRANSCOM Other Member / Non-Member Agencies Systems**
- +
- Westchester County Bee Line Operations Center Systems**

Question: Should the PANYNJ Bus Terminal be here?

**Other TRM**

**TRANSCOM TRIPS123**

---TRMS coord---



*transit incident information\_ud*  
+  
*transit schedules\_ud*  
+  
*transit traveler information coordination\_ud*

---TRMS coord---

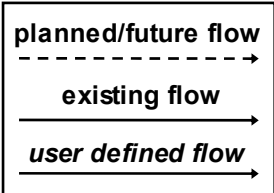


*transit incident information\_ud*  
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*transit schedules\_ud*  
+  
*transit traveler information coordination\_ud*

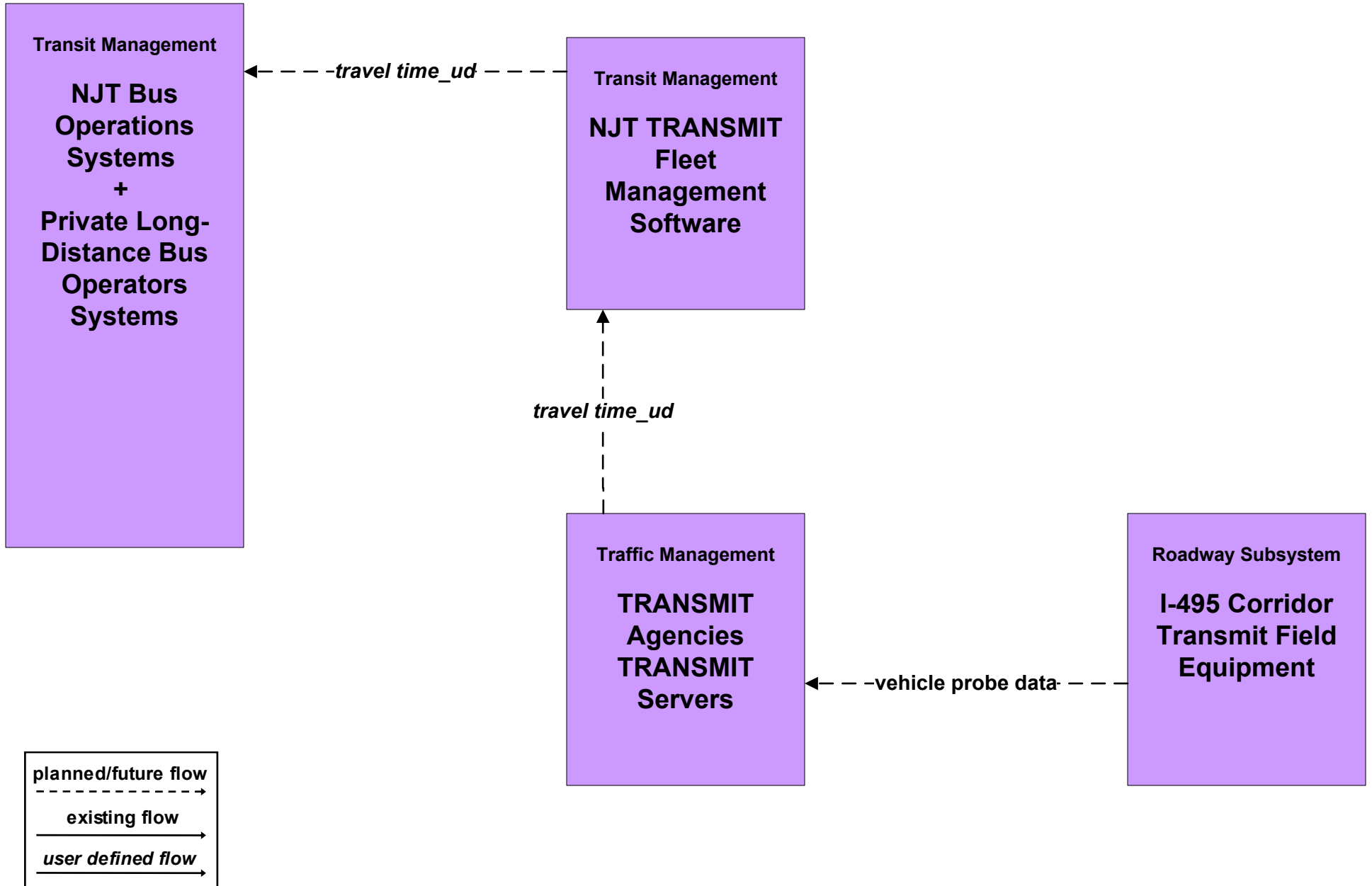
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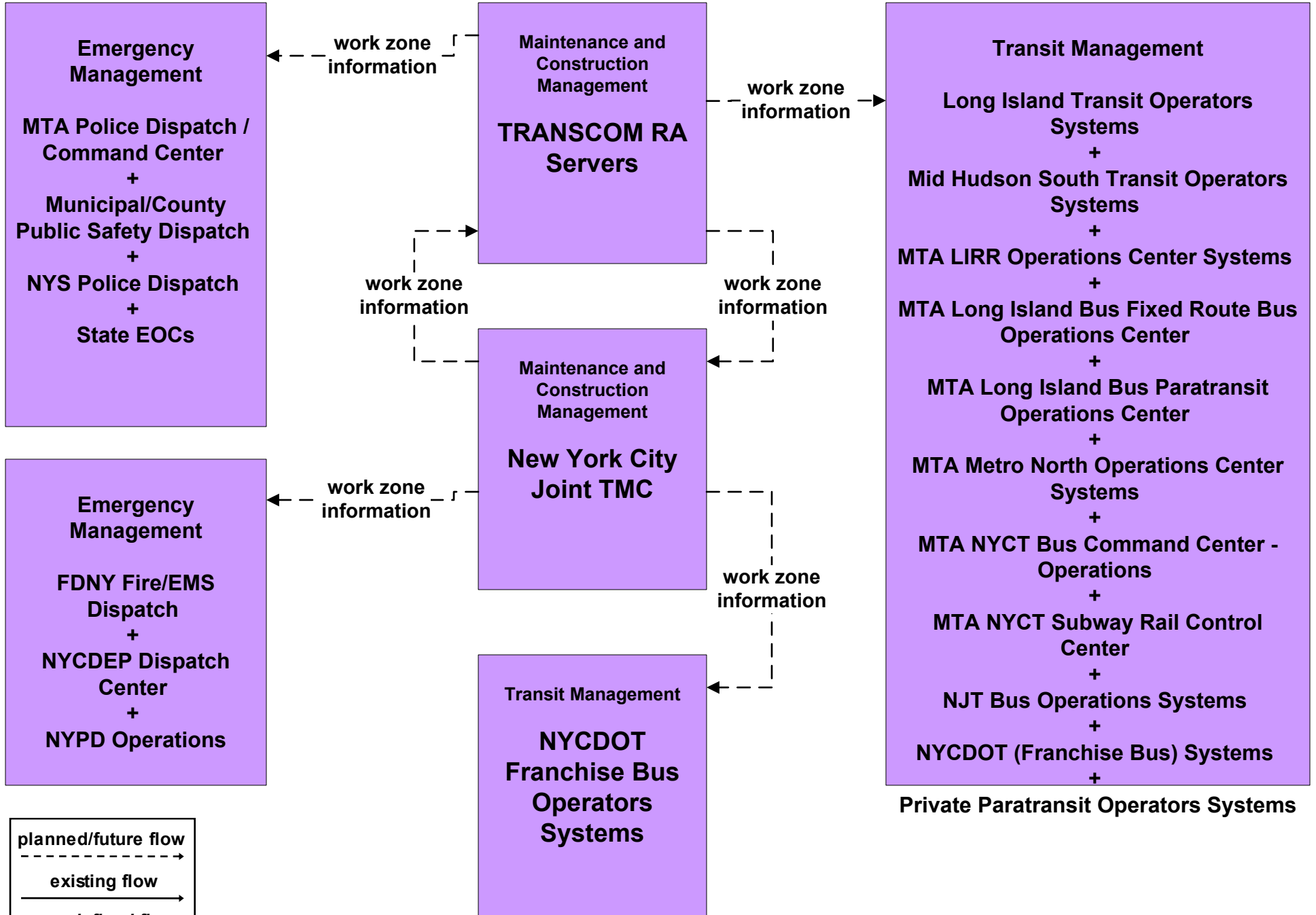
*Outside NYC, transit agencies are likely to exchange transit schedules. E.g., MTA MNR & NJ Transit*



**ATMS02 - Probe Surveillance**  
**PANYNJ Tunnels/Bridges, PANYNJ Bus Terminal**



# MC08 - Workzone Management (NYCDOT and TRANSCOM)



# MC10 - Maintenance and Construction Activity Coordination (NYCDOT and TRANSCOM)

