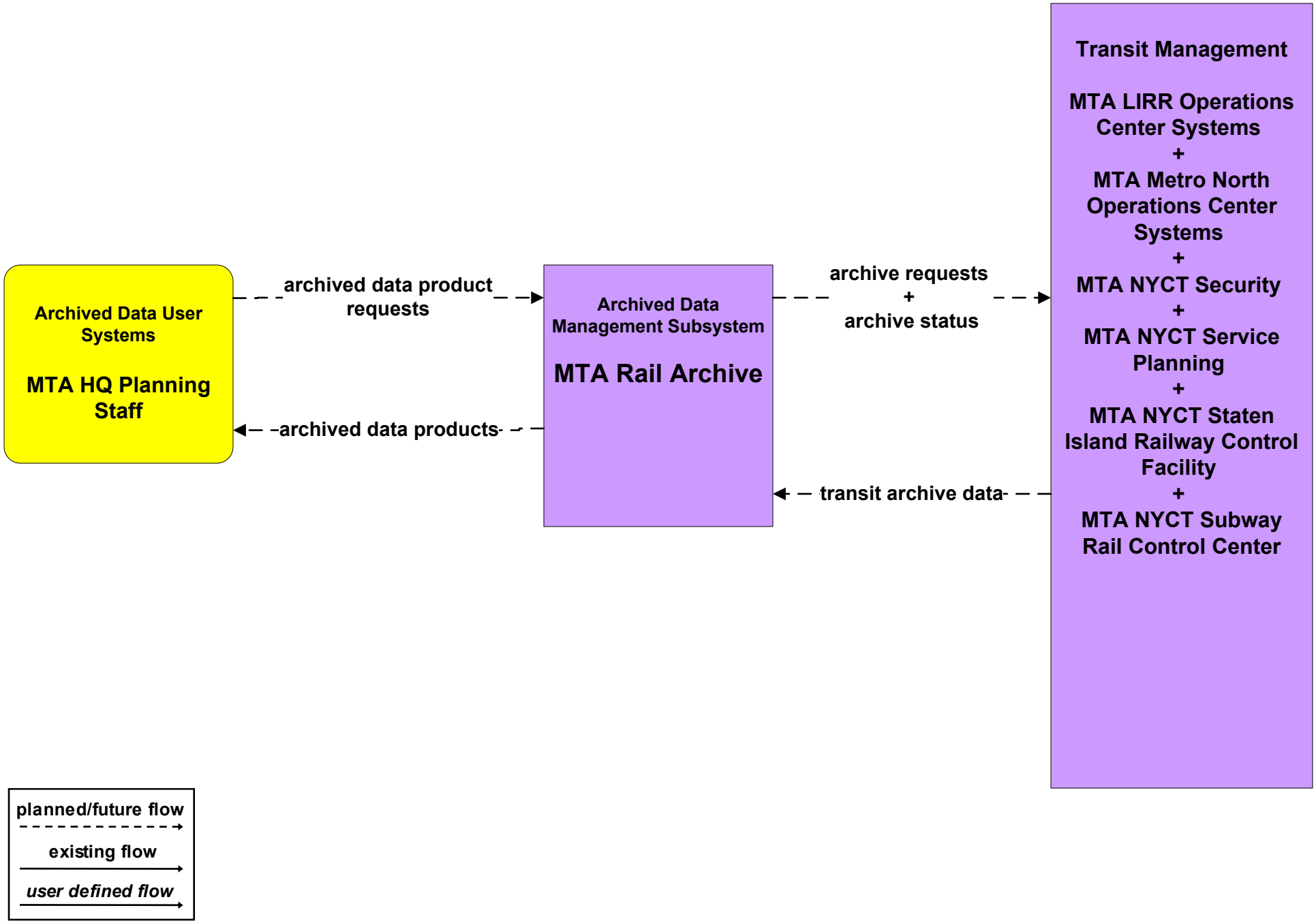
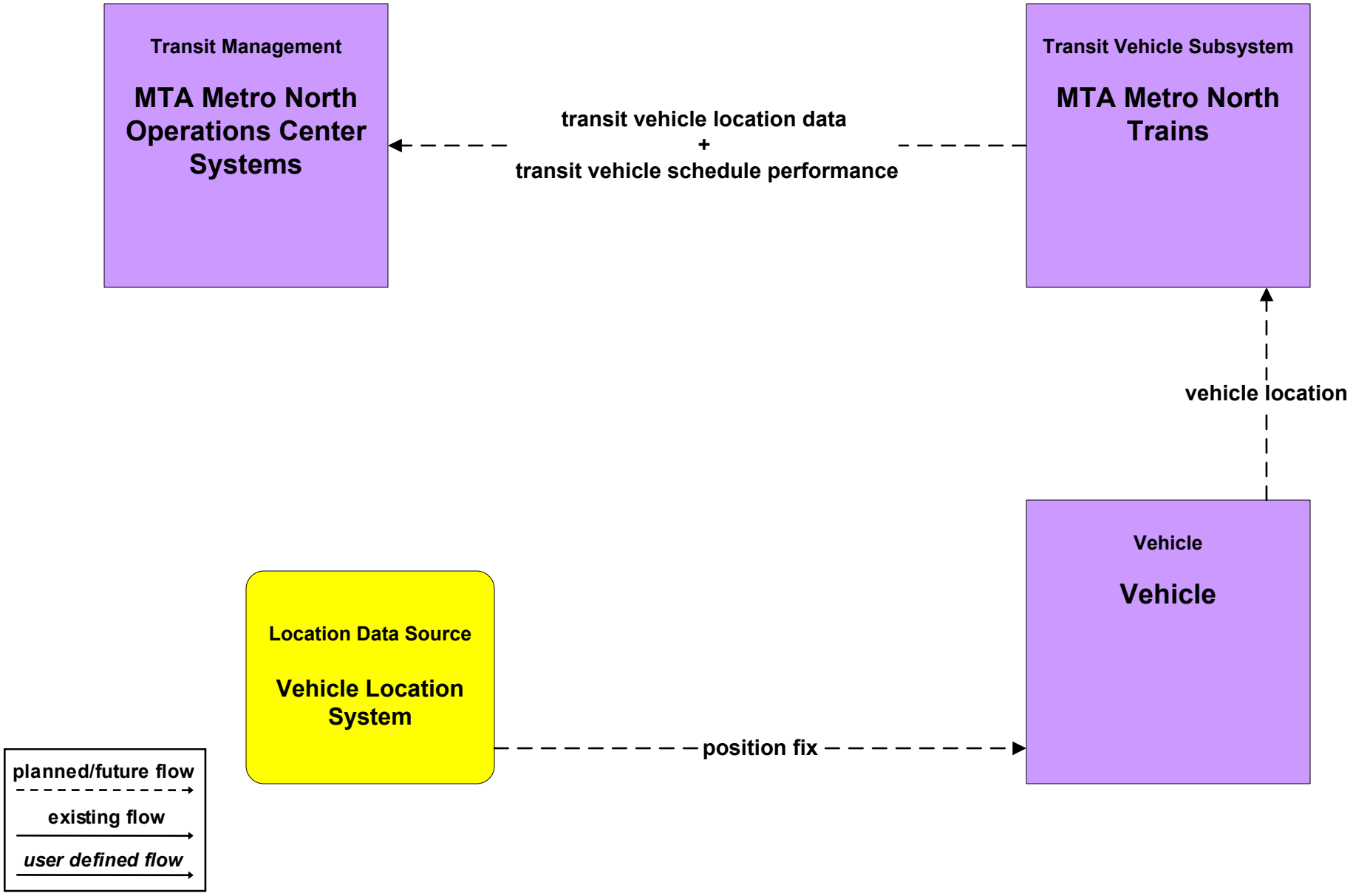
AD1 - ITS Data Mart
MTA (2 of 2)



APTS1 - Transit Vehicle Tracking
MTA Metro North Railroad



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

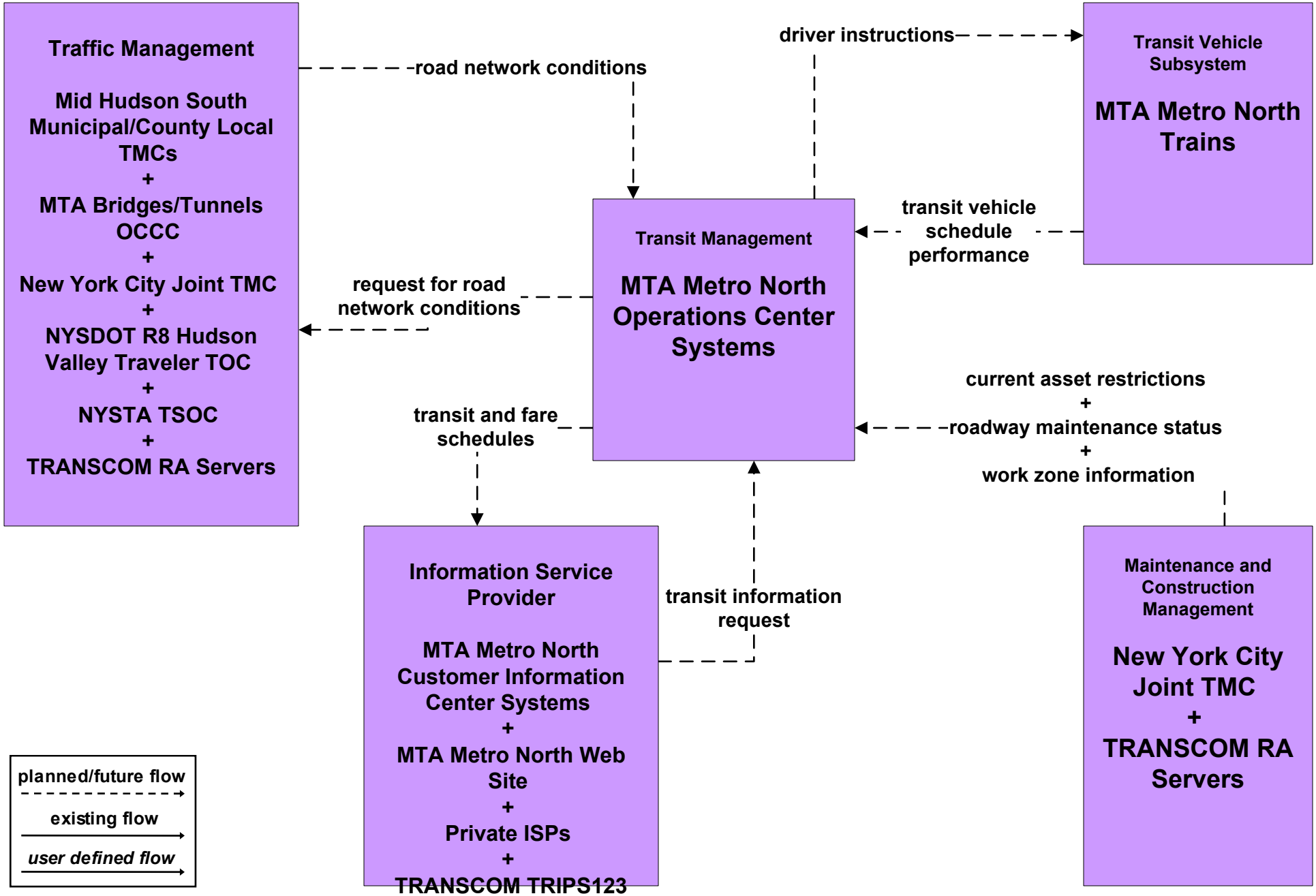
transit vehicle location data_ud
+
transit vehicle schedule performance_ud

Transit Management

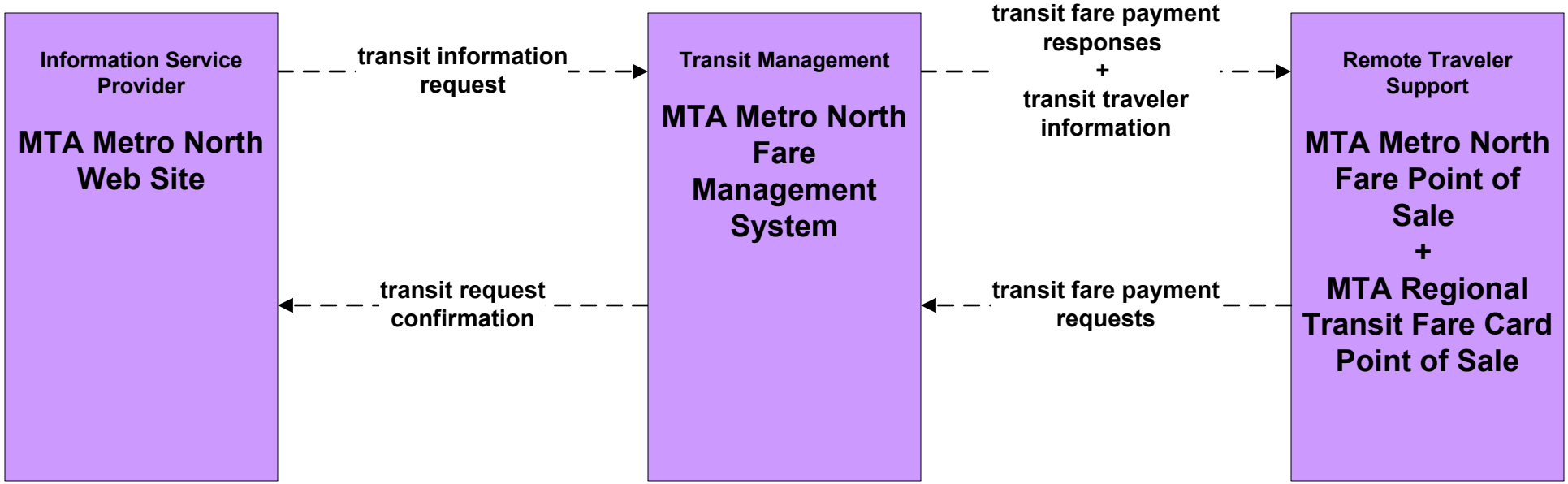
MTA NYCT Subway Rail Control Center
+
NJT Bus Operations Systems
+
NJT Rail Operations Systems
+
NYCDOT Division of Ferry Operations Systems
+
NYCDOT Franchise Bus Operators Systems
+
Private Ferry Operators Systems
+
Private Long-Distance Bus Operators Systems
+
Private Paratransit Operators Systems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

planned/future flow
existing flow
user defined flow

APTS2 - Transit Fixed-Route Operations
MTA Metro North Railroad



APTS4 - Transit Passenger and Fare Payment
MTA Metro North Railroad

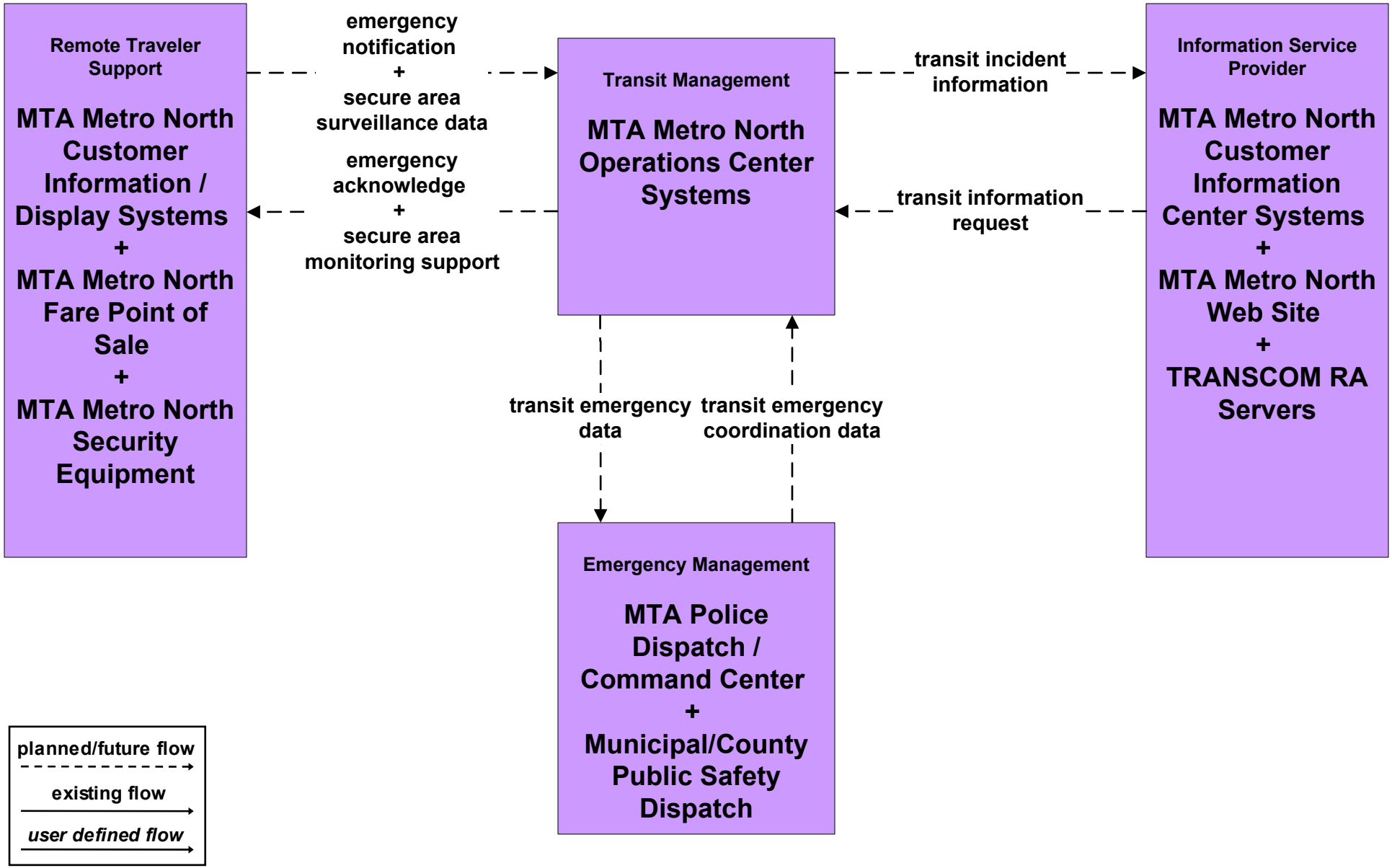


planned/future flow

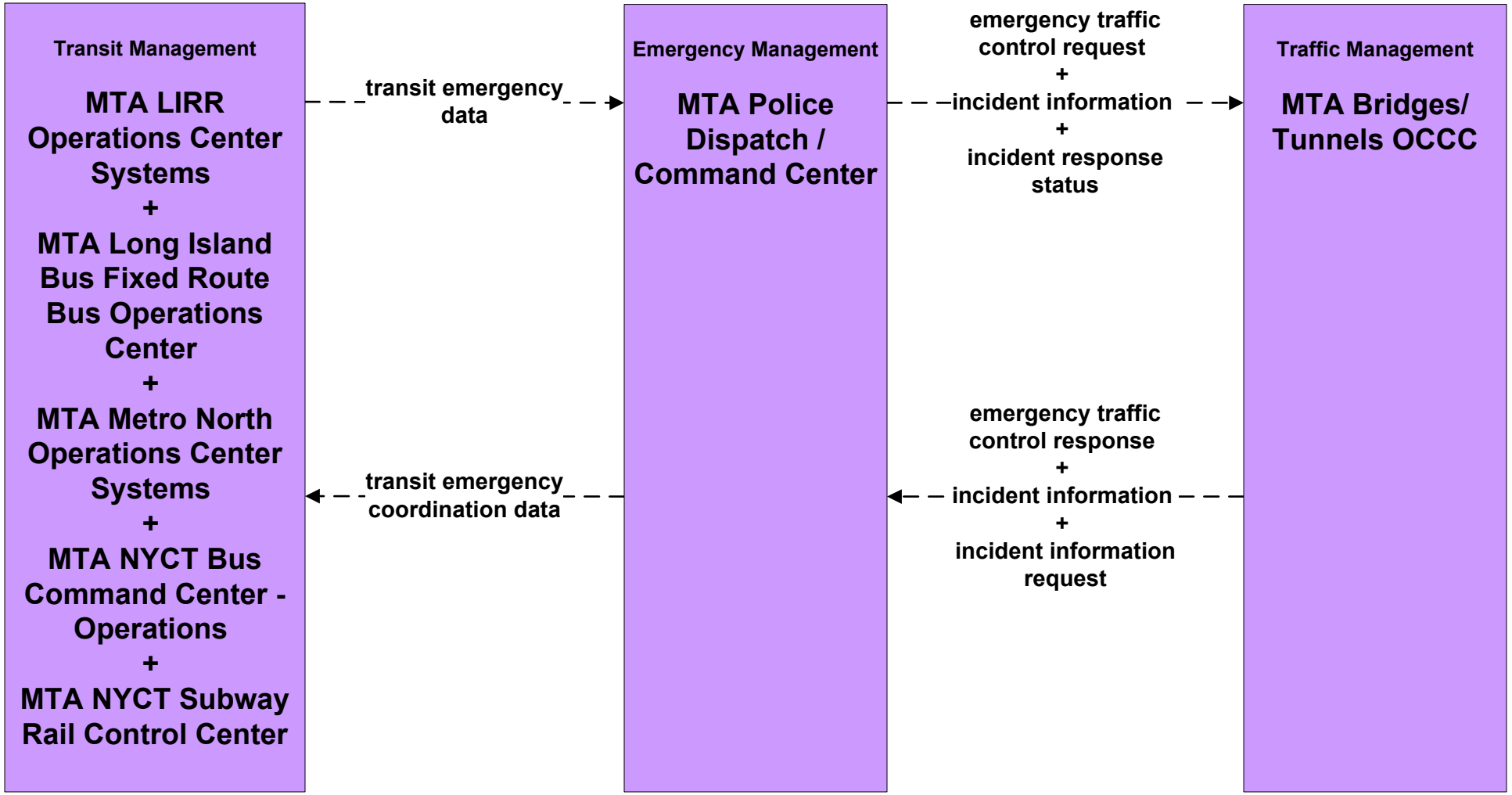
existing flow

user defined flow

APTS5 - Transit Security
MTA Metro North Railroad



APTS5 - Transit Security
MTA Police Dispatch / Command Center to Other MTA Commmand/Control Centers (1 of 3)

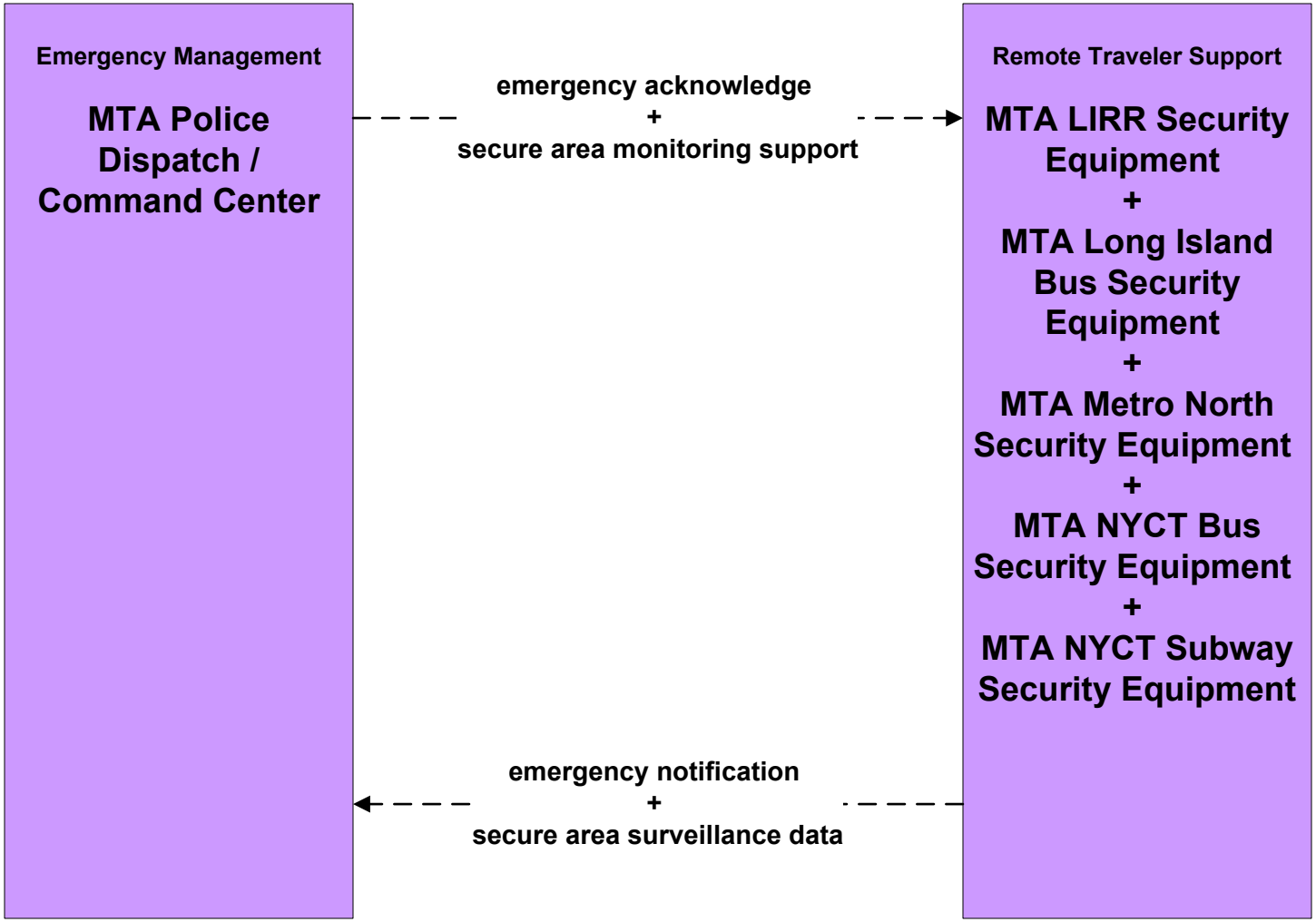


planned/future flow

existing flow

user defined flow

APTS5 - Transit Security
MTA Police Dispatch / Command Center - Security Equipment (2 of 3)

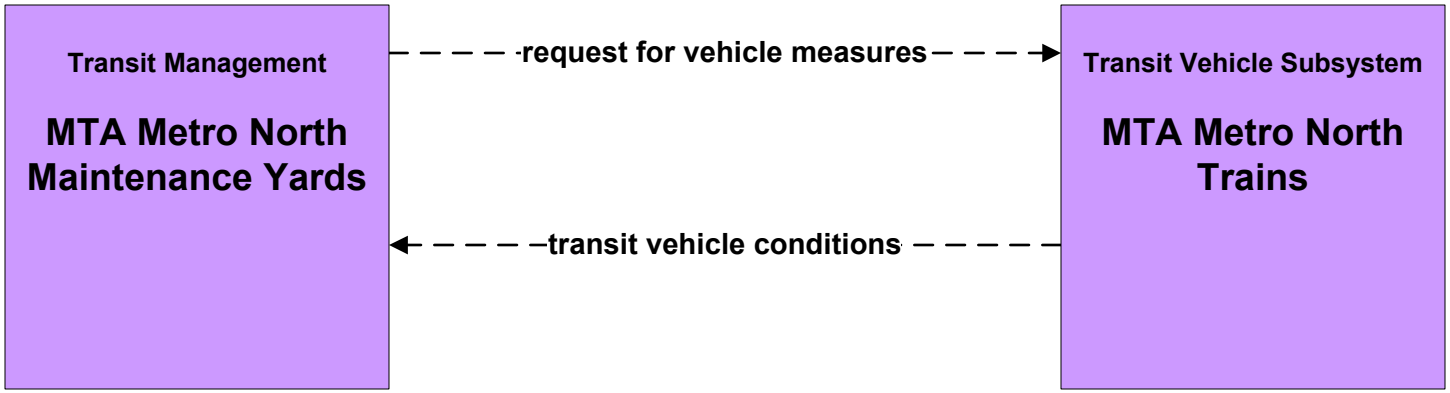


planned/future flow

existing flow

user defined flow

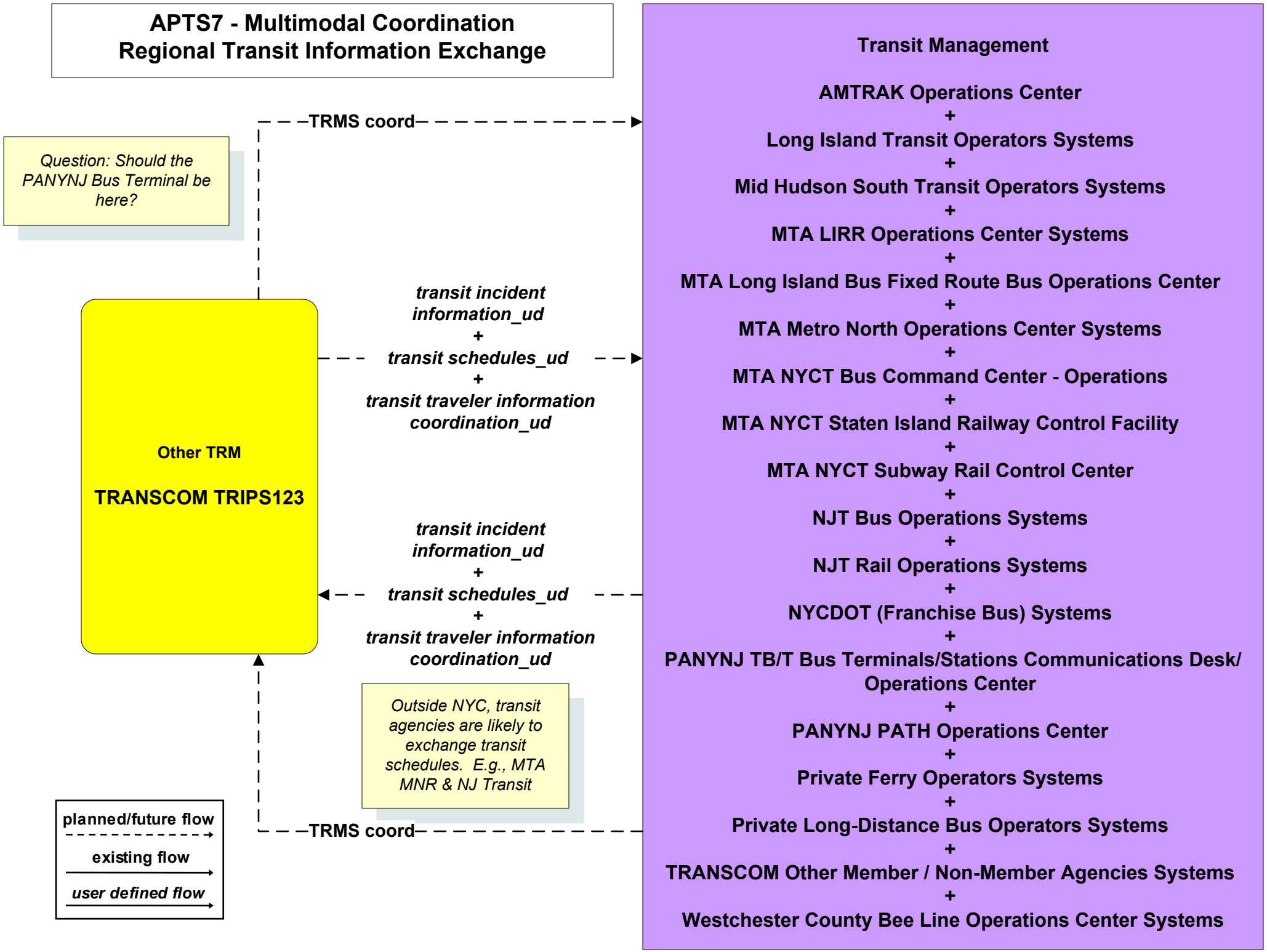
APTS6 - Transit Vehicle Maintenance
MTA Metro North Railroad



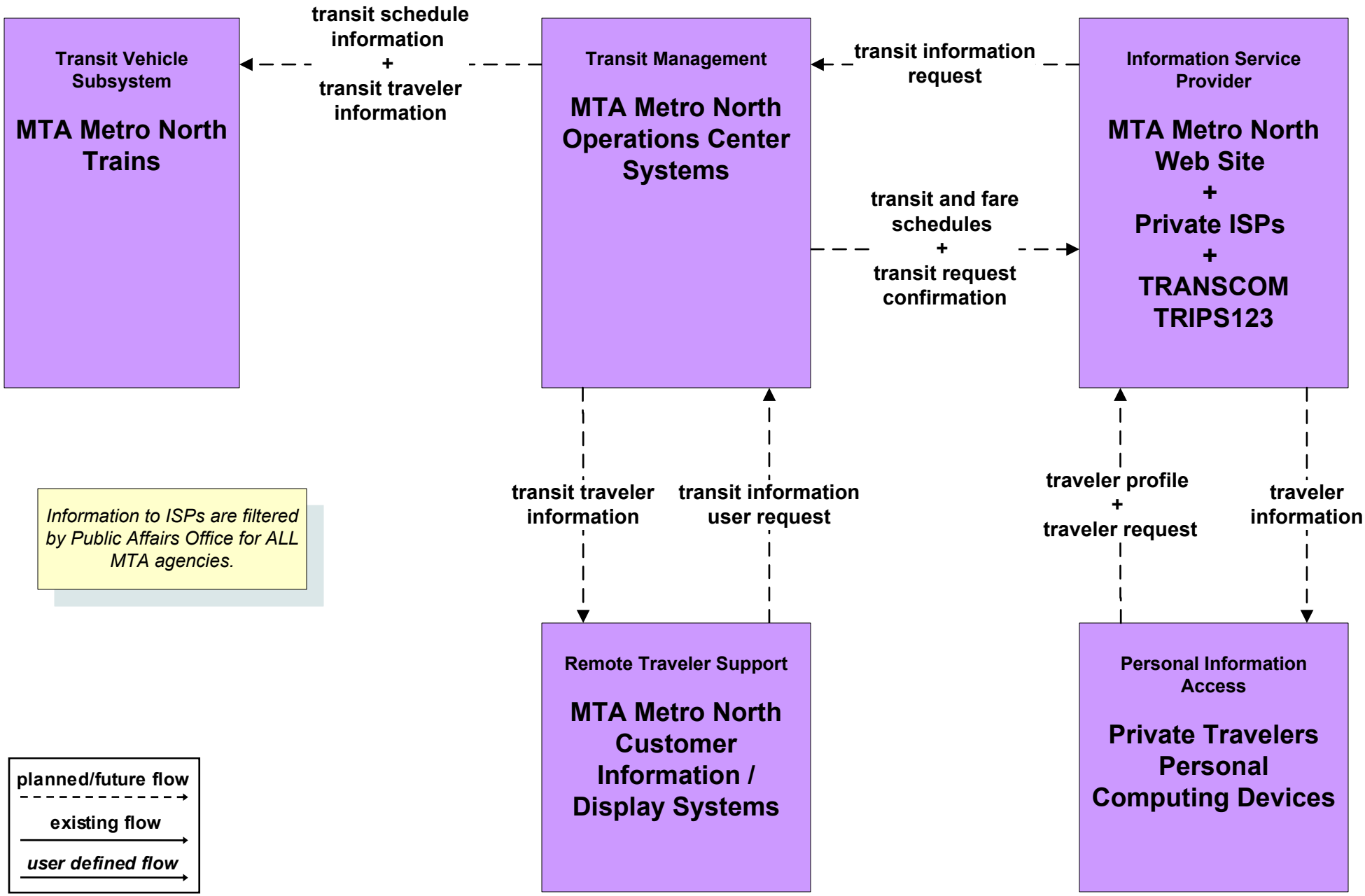
planned/future flow

existing flow

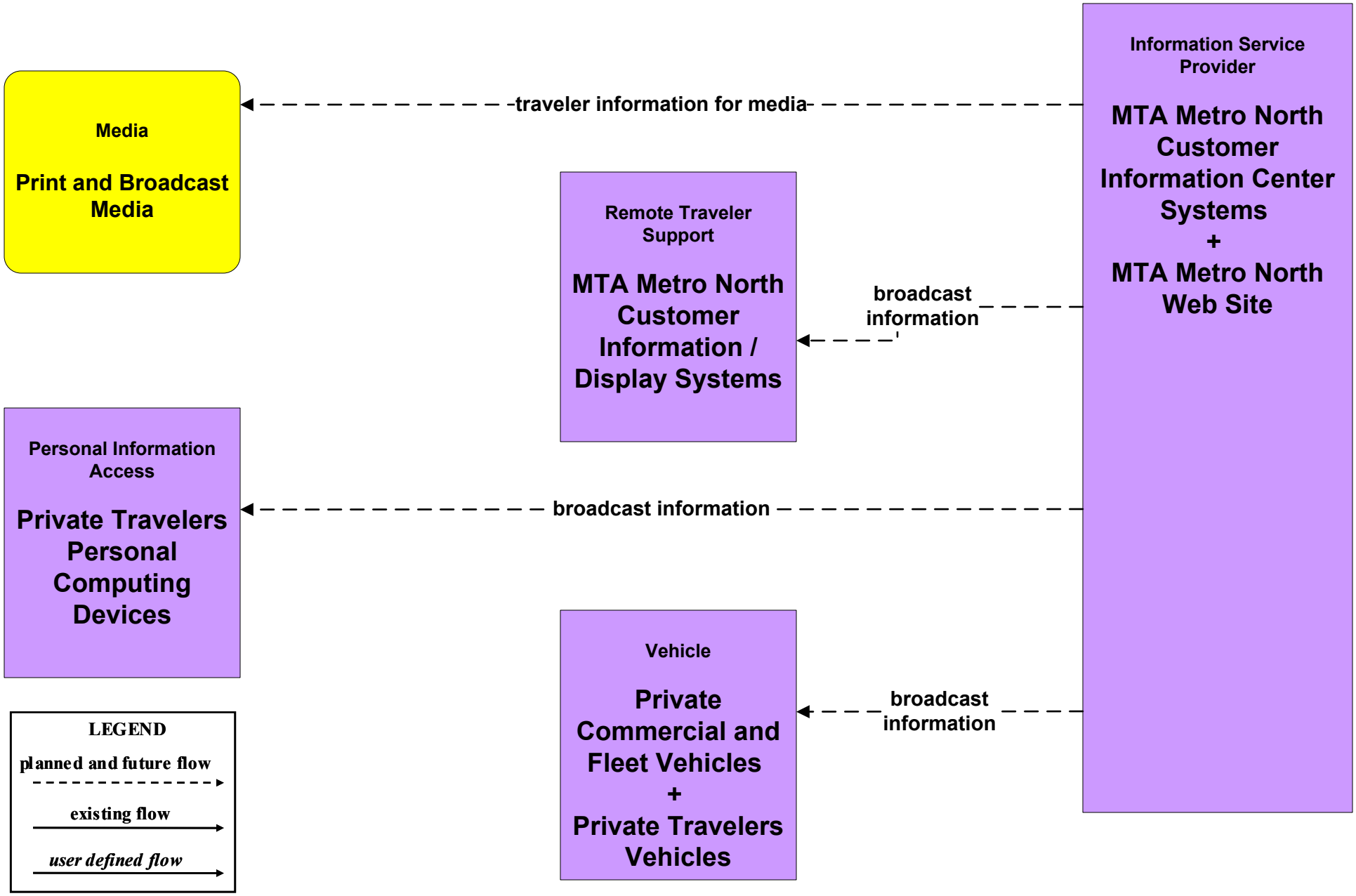
user defined flow


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
TRMS coord
Question: Should the PANYNJ Bus Terminal be here?
transit incident information_ud
+
transit schedules_ud
+
transit traveler information coordination_ud
Other TRM
TRANSCOM TRIPS123
transit incident information_ud
+
transit schedules_ud
+
transit traveler information coordination_ud
Outside NYC, transit agencies are likely to exchange transit schedules. E.g., MTA MNR & NJ Transit
TRMS coord
planned/future flow
existing flow
user defined flow

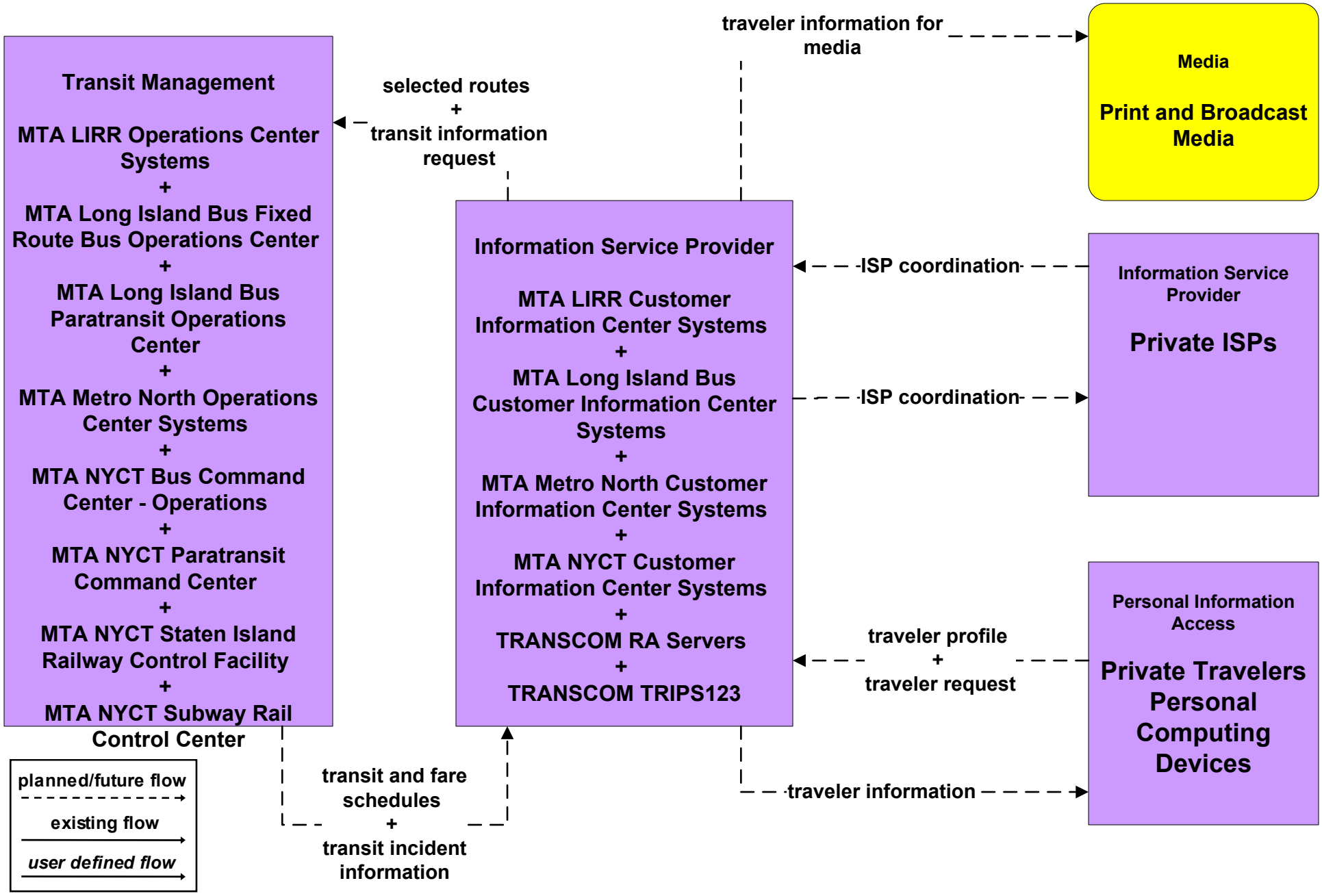
APTS8 - Transit Traveler Information
MTA Metro North Railroad



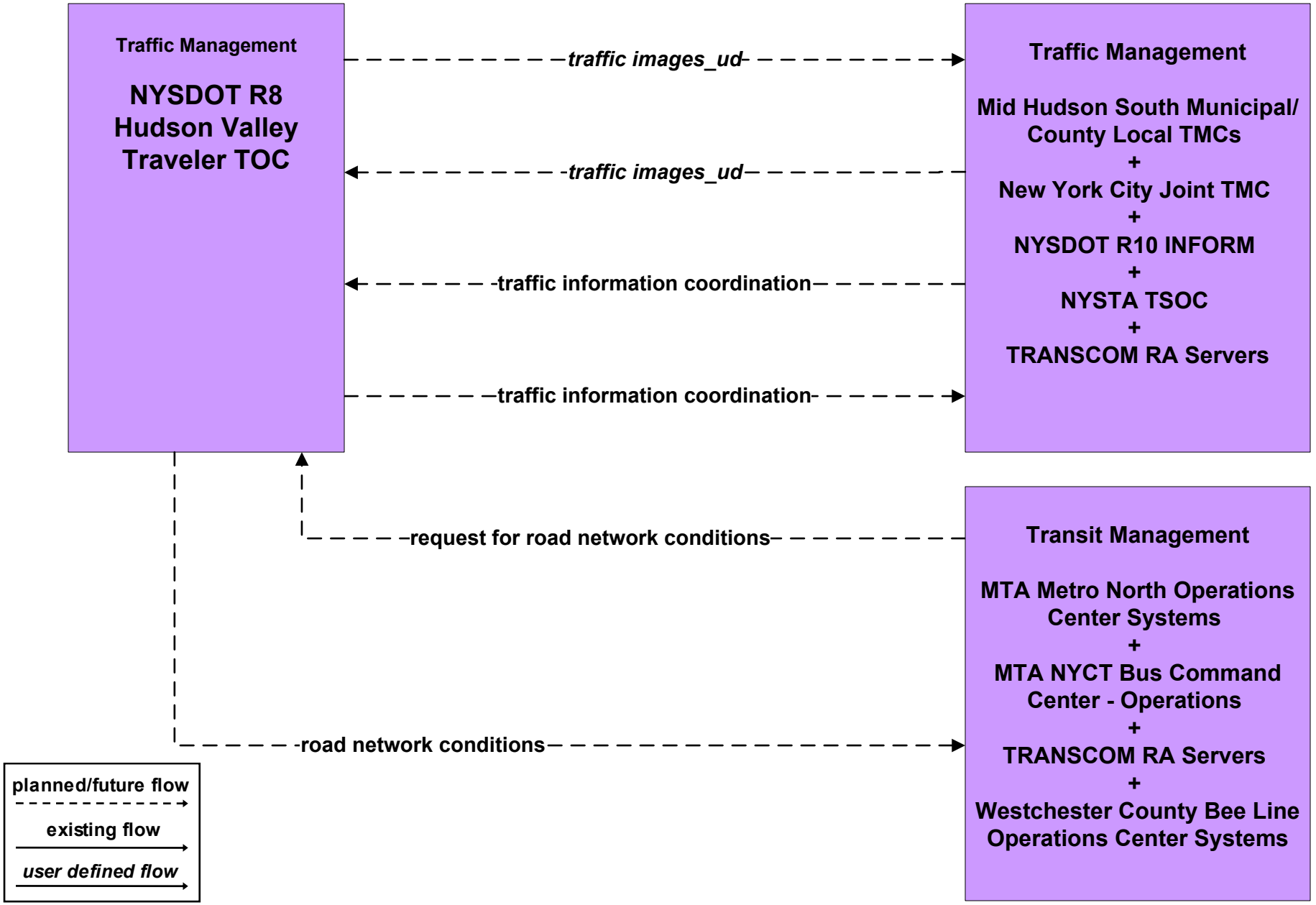
ATIS1 - Broadcast Traveler Information
Metro North Railroad



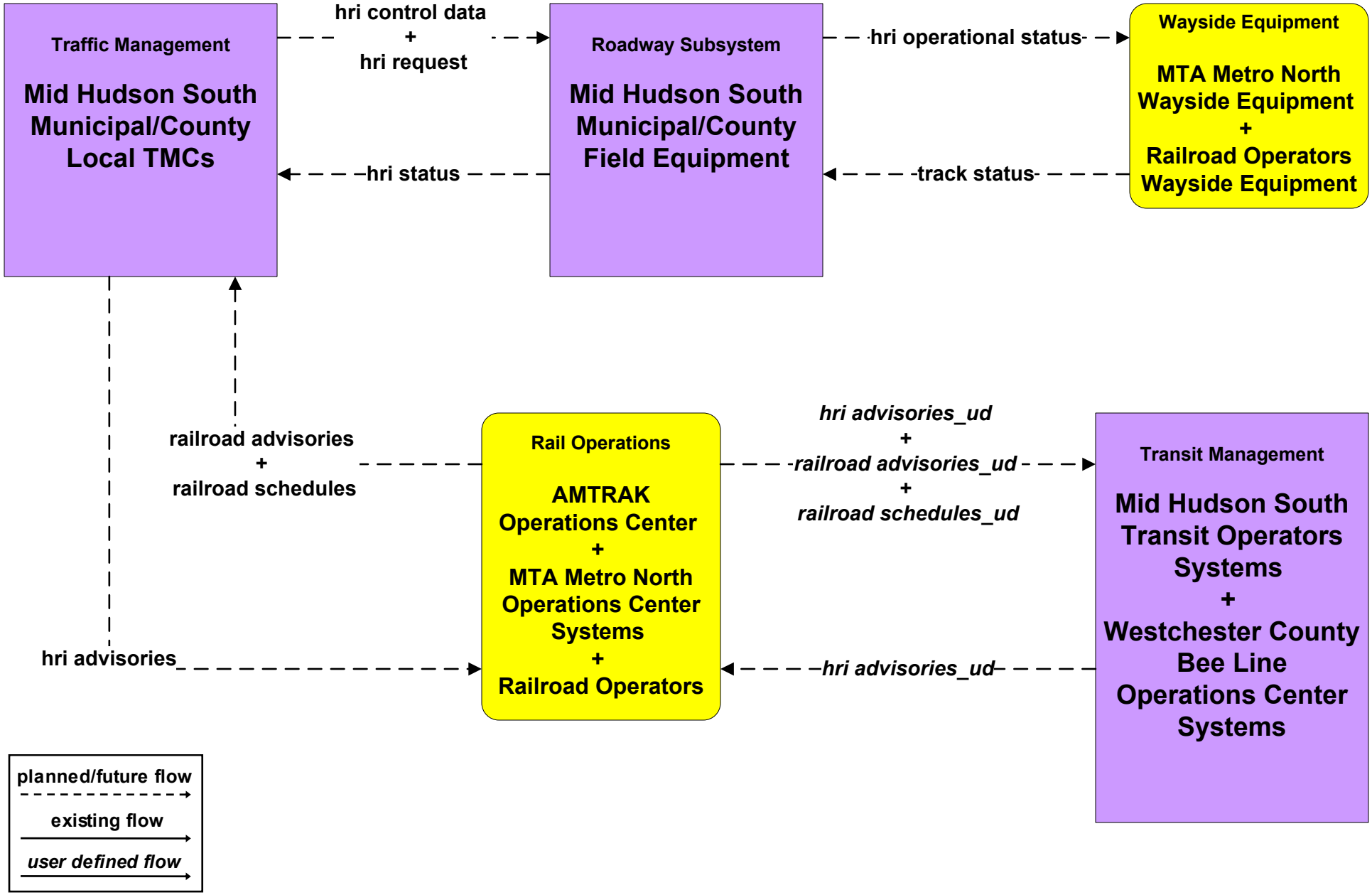
ATIS2 - Interactive Traveler Information
MTA Traveler Information Systems



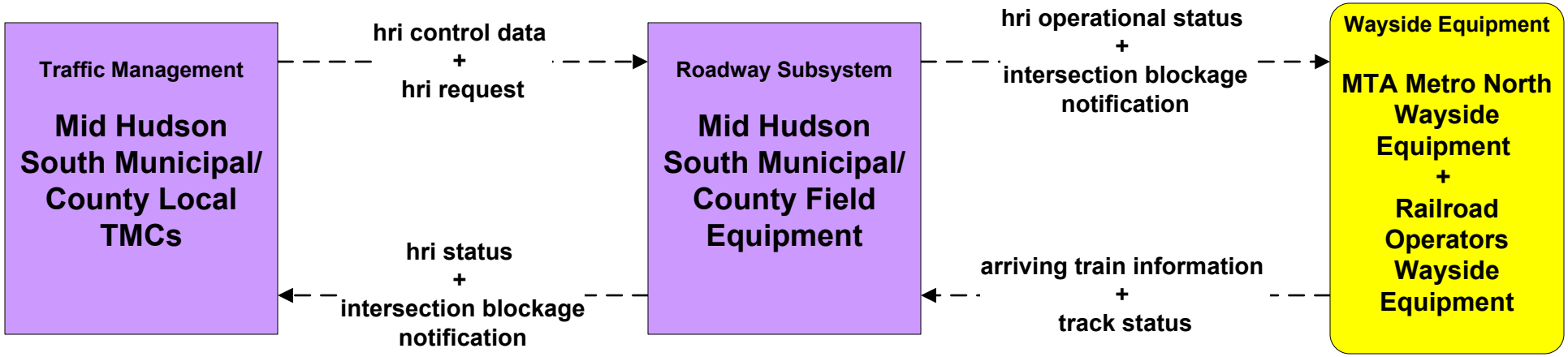
ATMS07 - Regional Traffic Control
NYSDOT R8 Hudson Valley TMC



ATMS13 - Standard Railroad Crossing
Mid Hudson South TMCs and Rail Operators



ATMS14 - Advanced Railroad Crossing
Mid Hudson South TMCs and Rail Operators

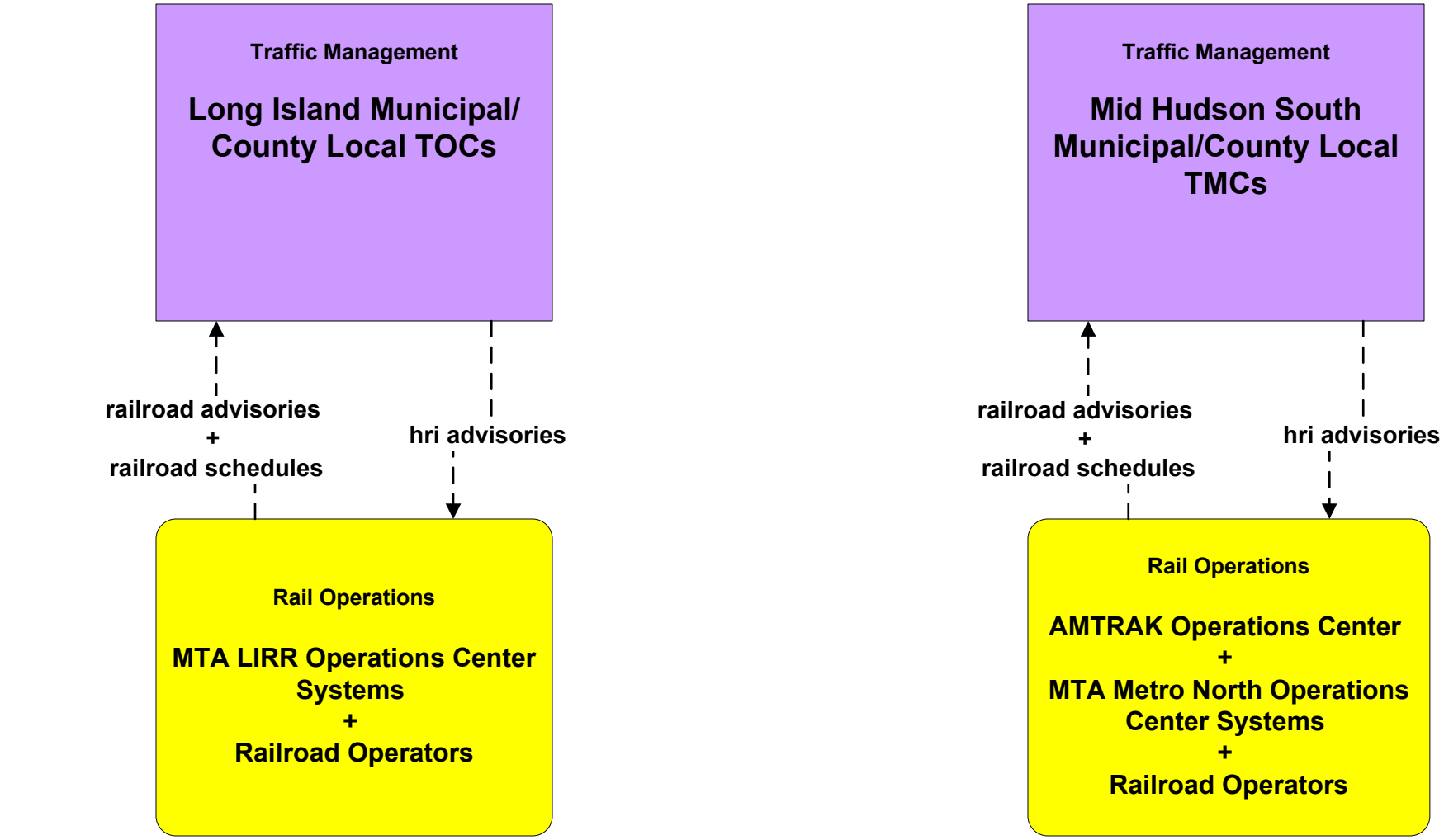


planned/future flow

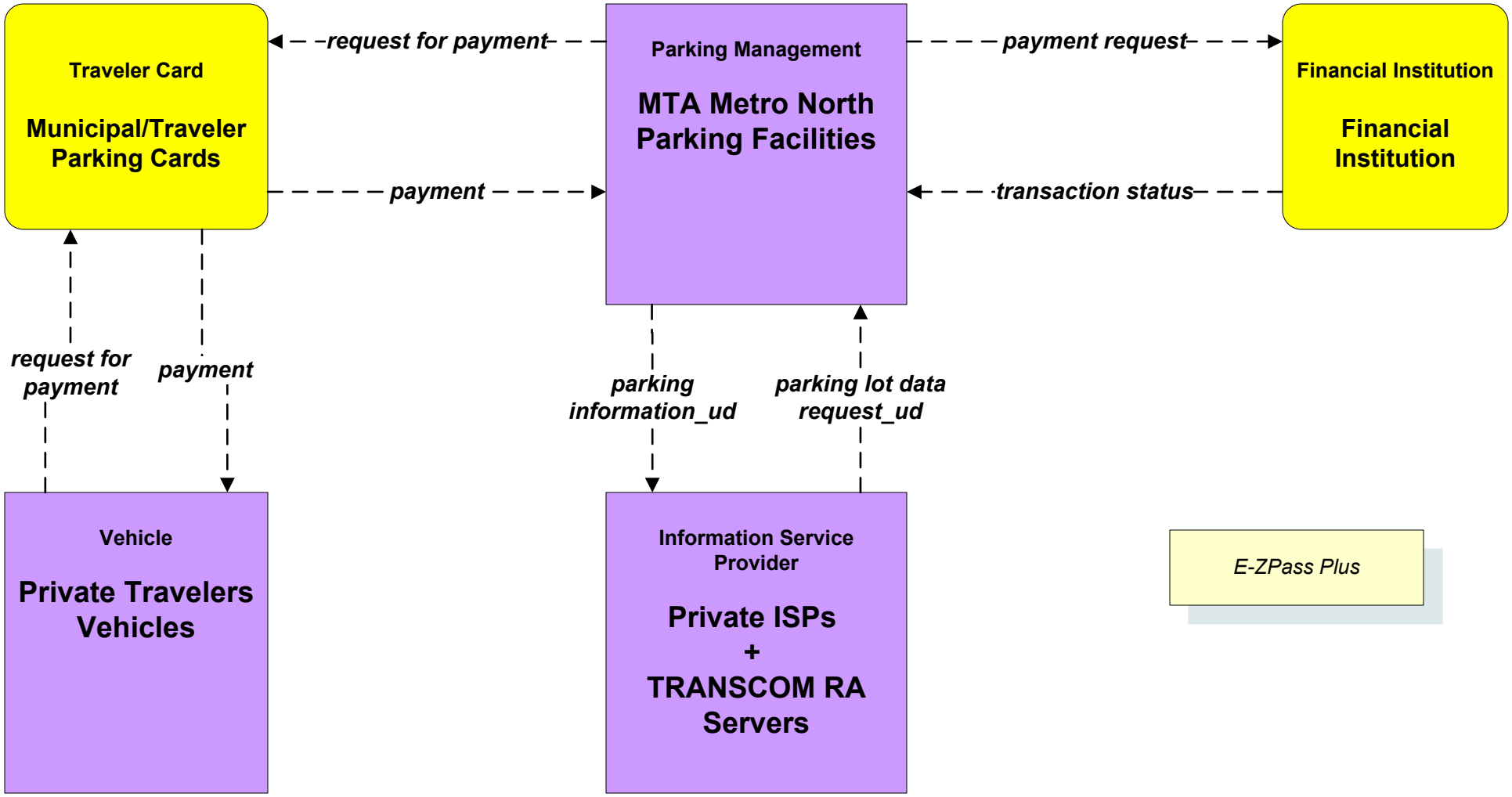
existing flow

user defined flow

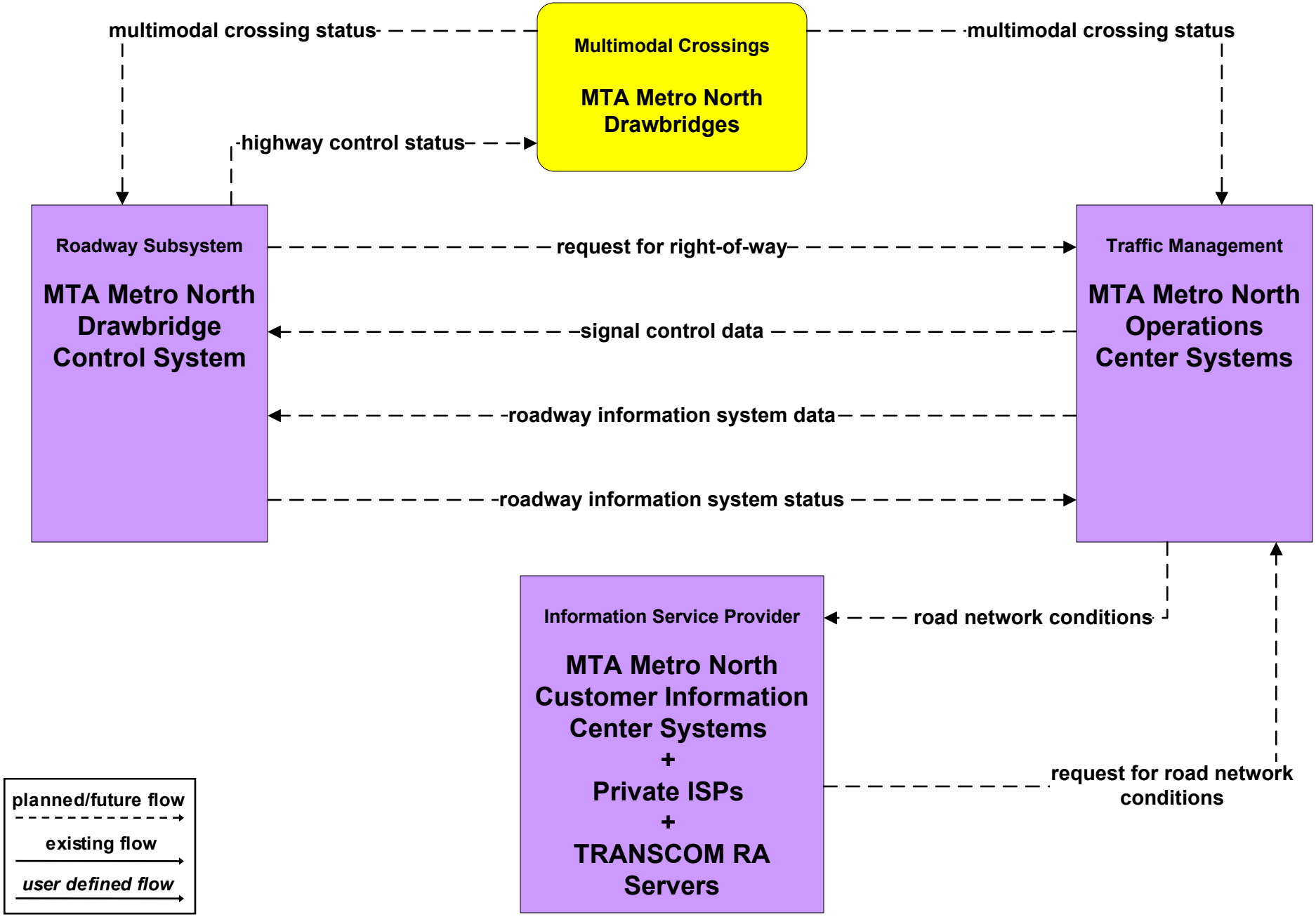
ATMS15 - Railroad Operations Coordination
Long Island and Mid Hudson South Municipal/County TMCs



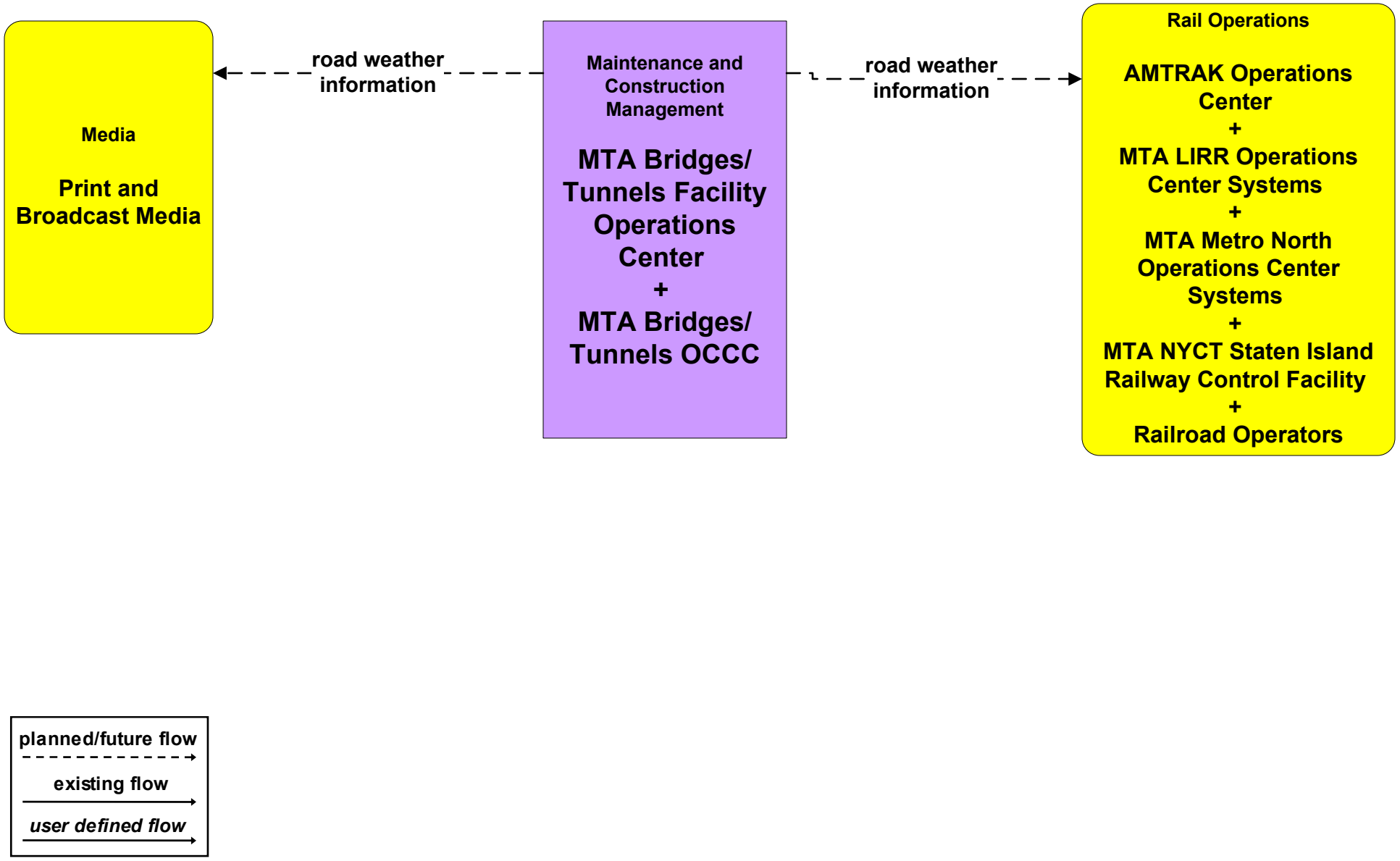
ATMS16 - Parking Facility Management
MTA Metro North Parking Facilities



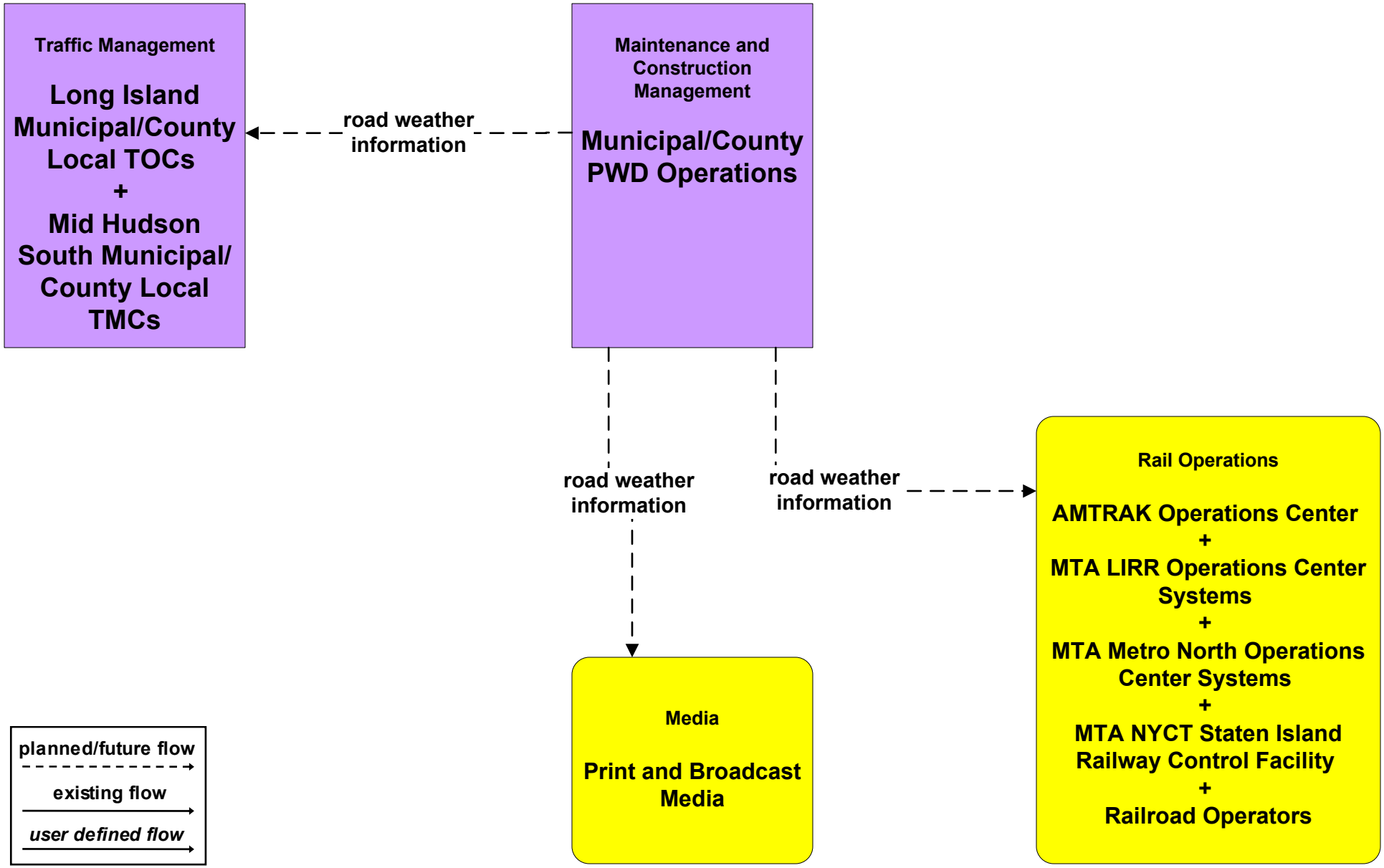
ATMS20 - Drawbridge Management
MTA Metro North Railroad



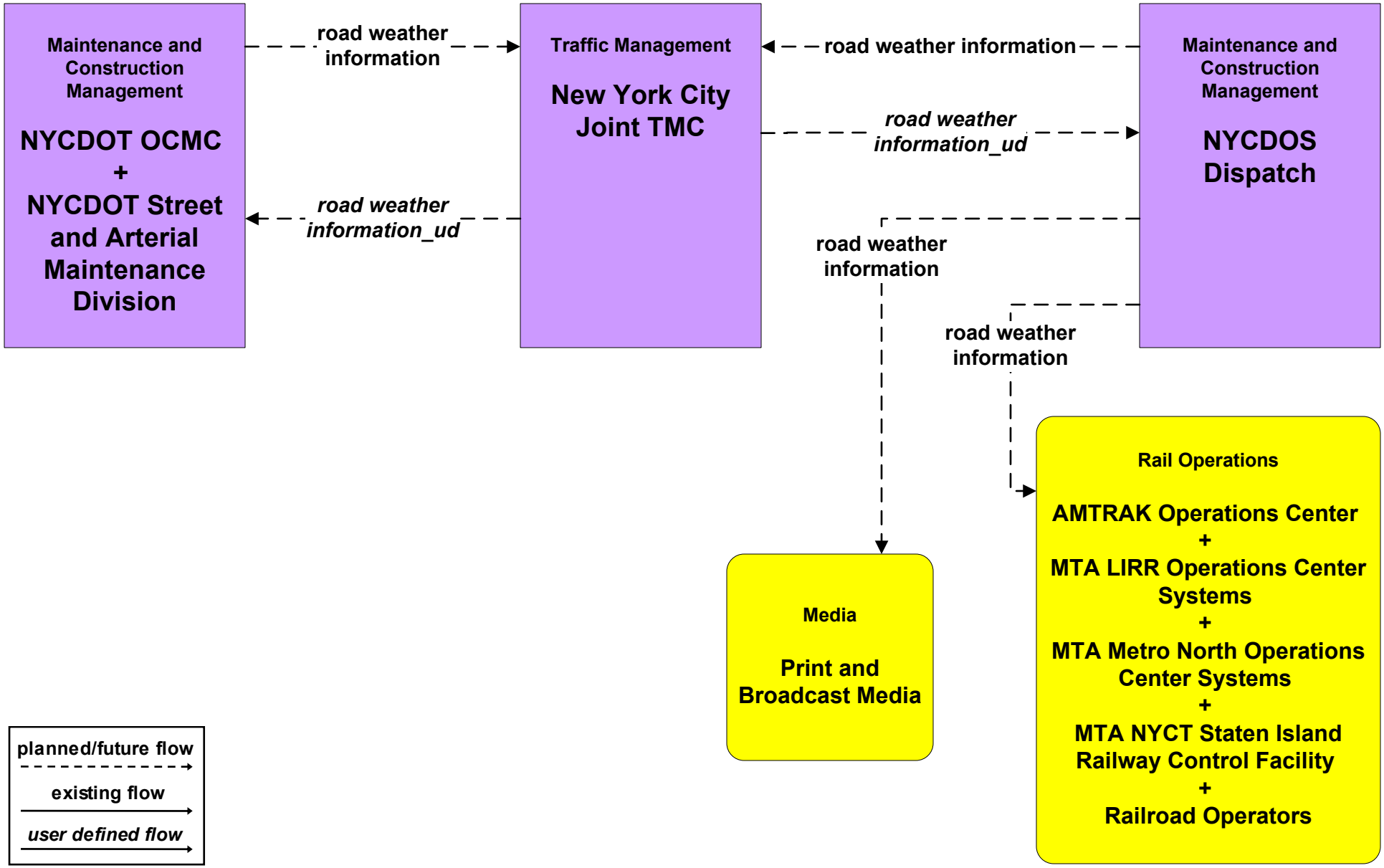
MC04 - Weather Information Processing and Distribution
MTA Bridges and Tunnels



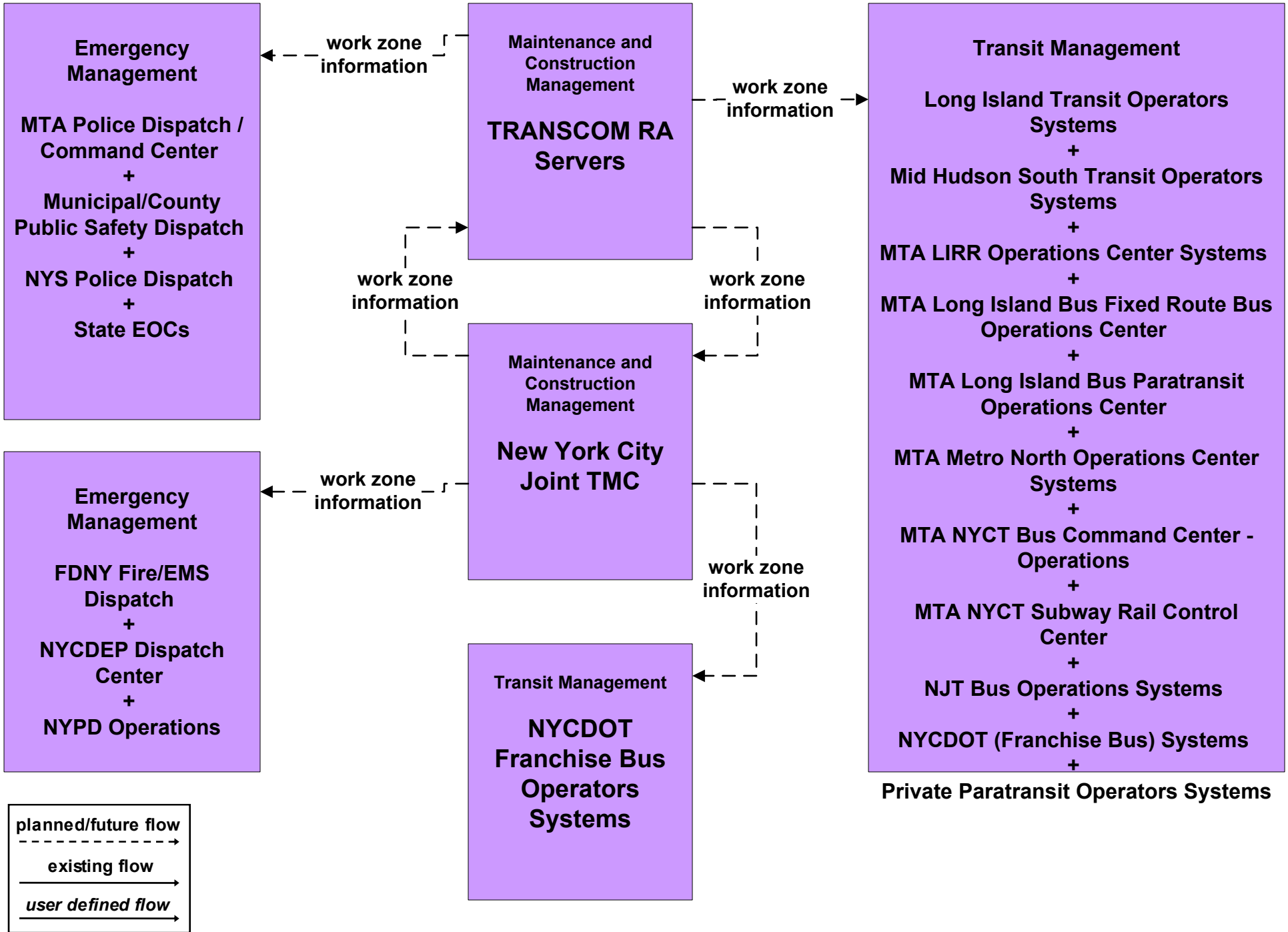
MC04 - Weather Information Processing and Distribution
Long Island and Mid Hudson Valley South Municipal/County TMCs



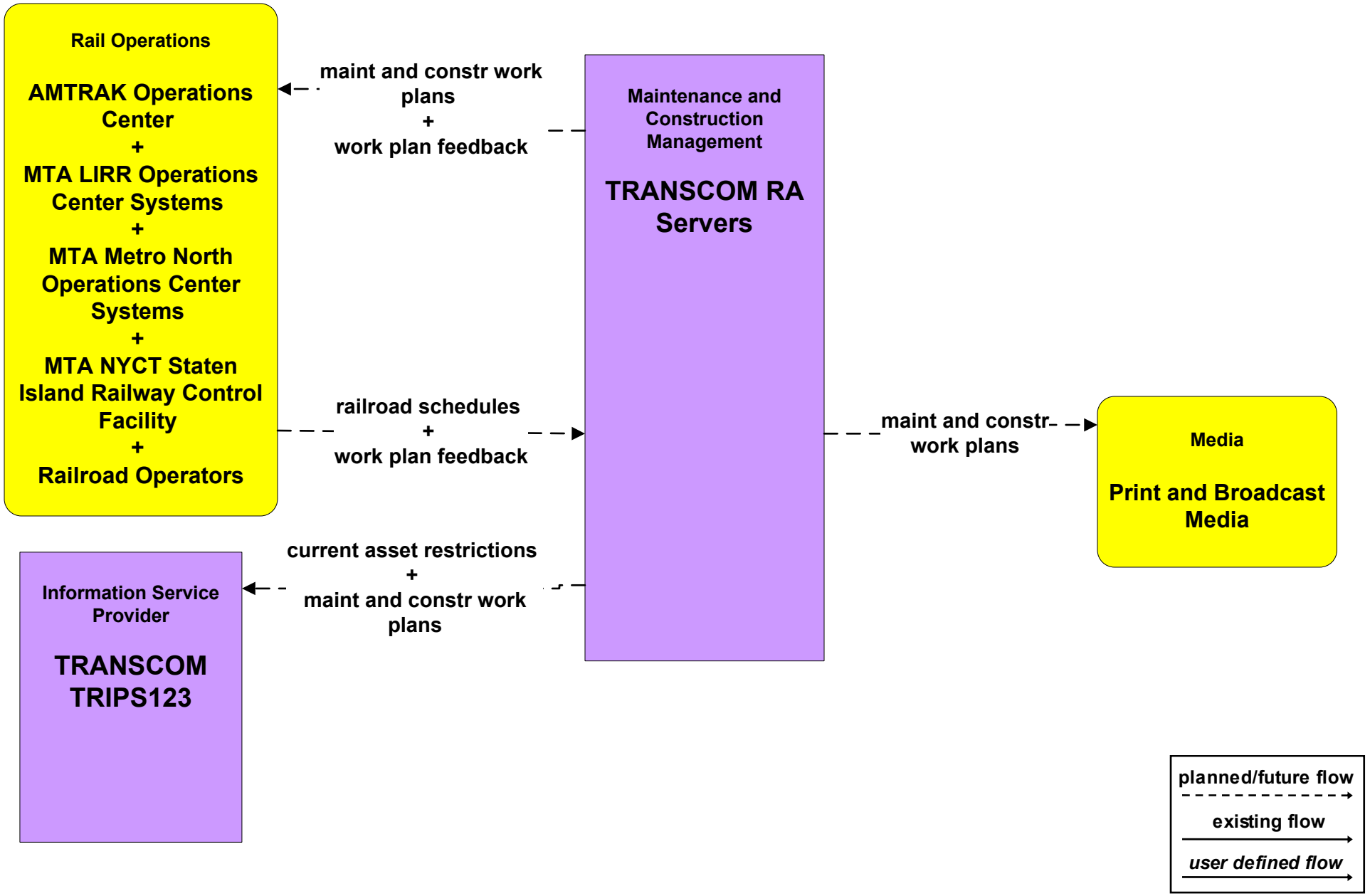
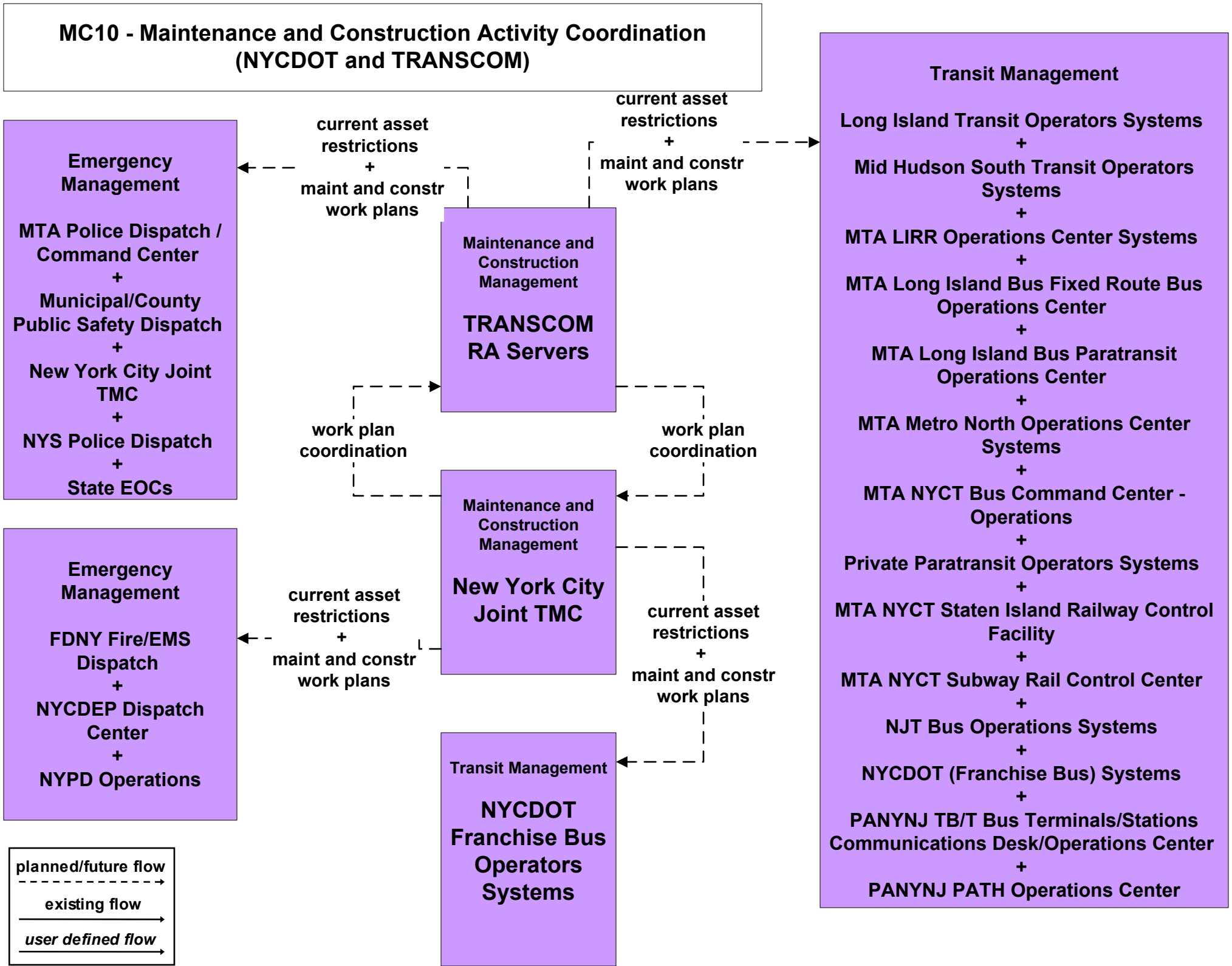
MC04 - Weather Information Processing and Distribution
New York City Joint TMC (1 of 2)



MC08 - Workzone Management (NYCDOT and TRANSCOM)



MC10 - Maintenance and Construction Activity Coordination
TRANSCOM



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