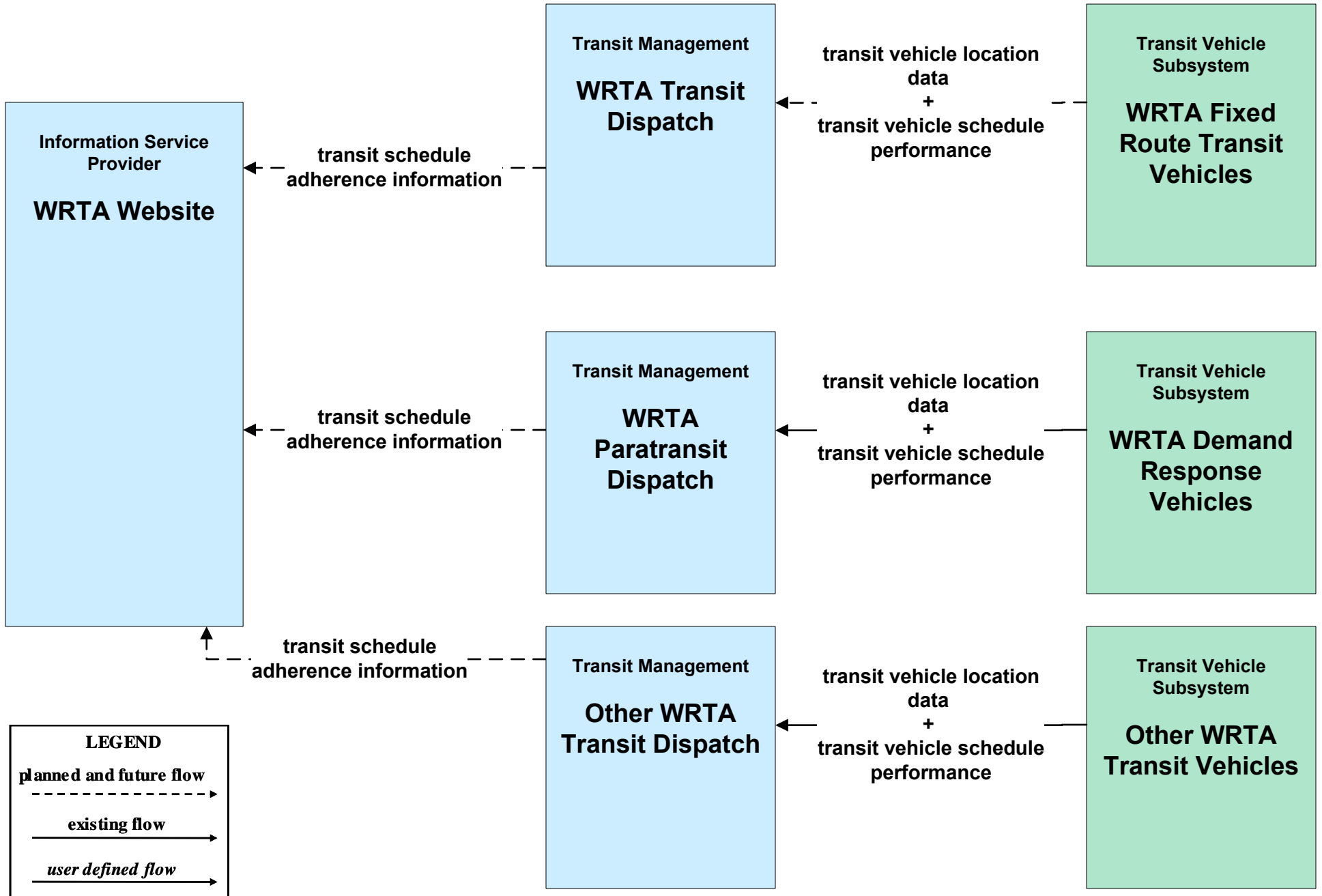


# **Central Massachusetts Regional ITS Architecture**

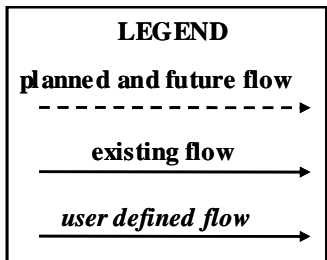
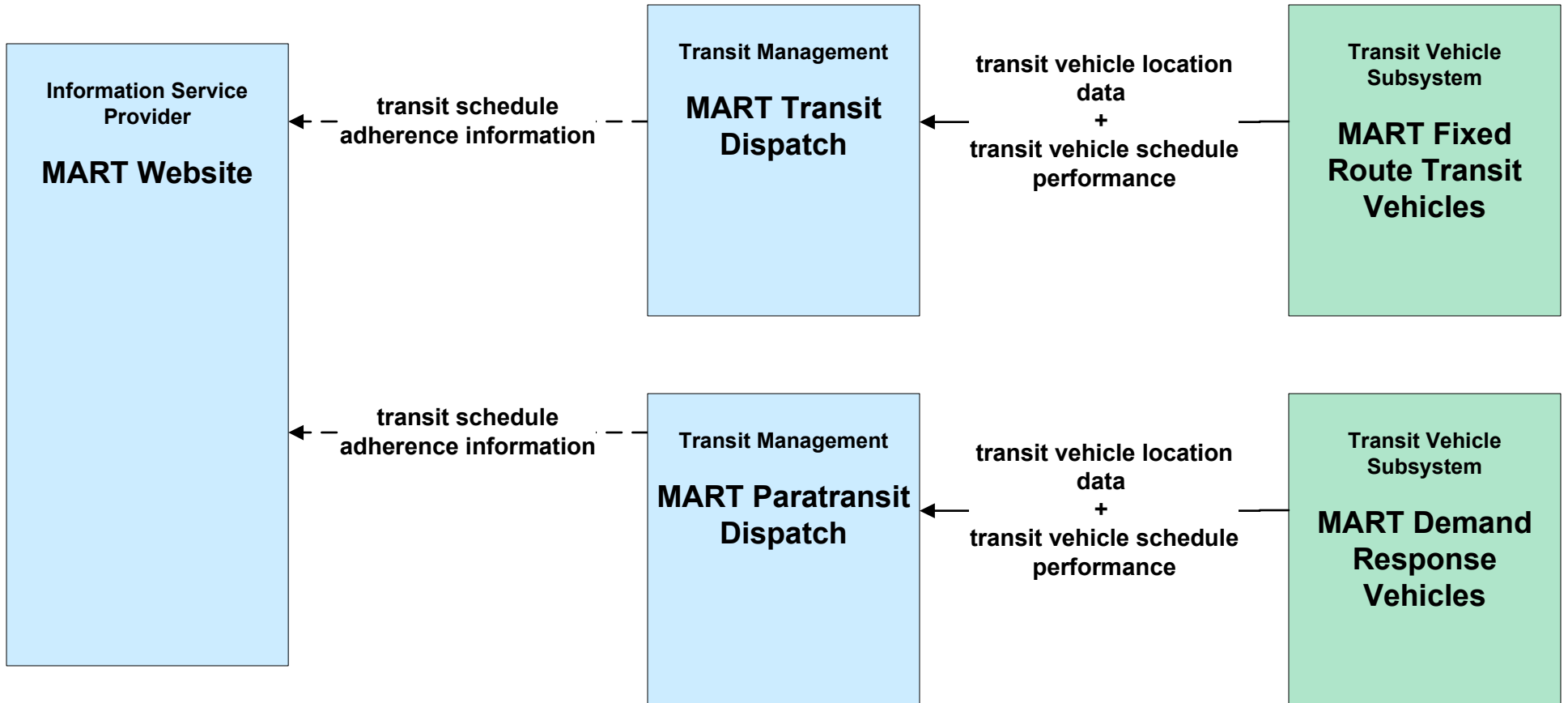
**Customized Market Package Diagrams**

**Advanced Public Transportation Systems  
(APTS)**

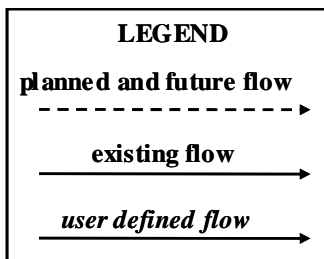
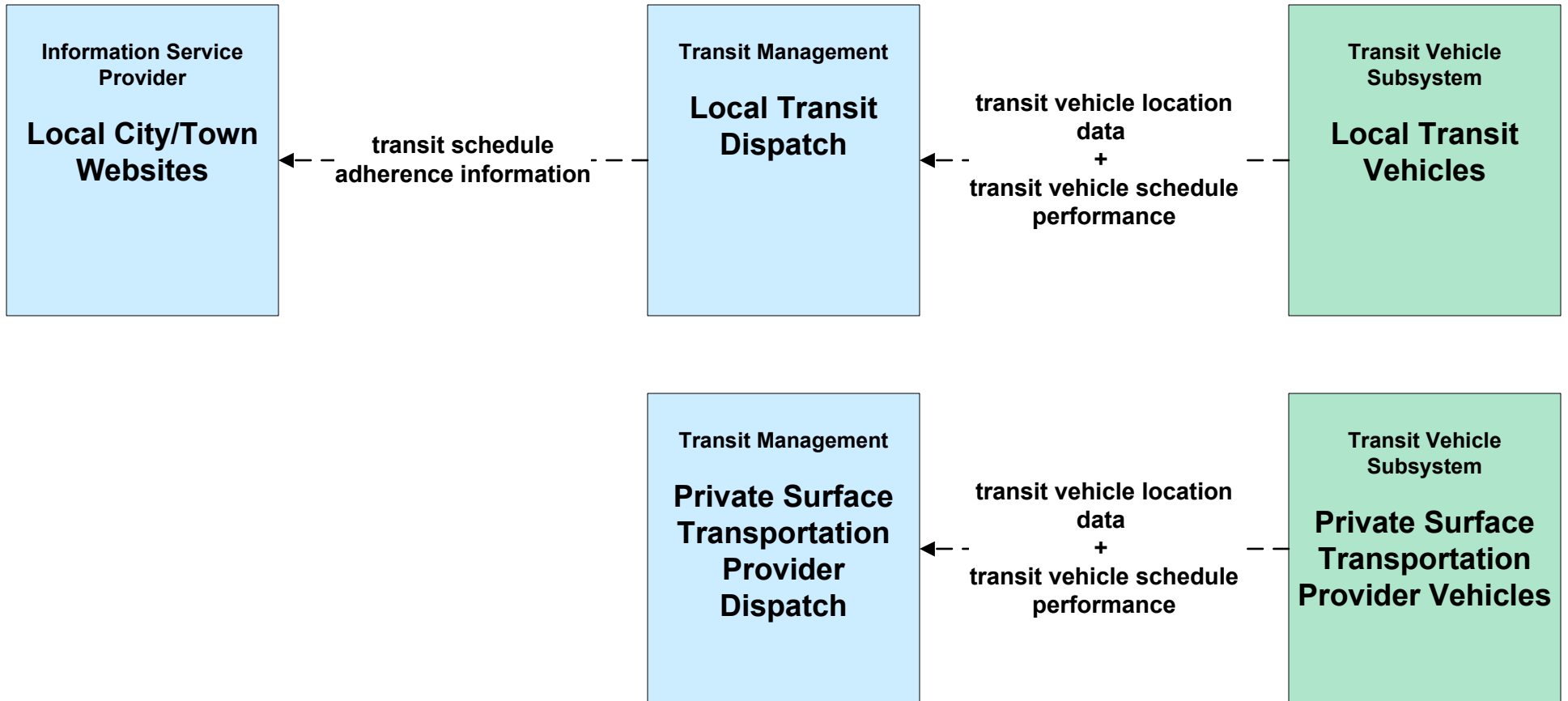
# APTS01 - Transit Vehicle Tracking WRTA



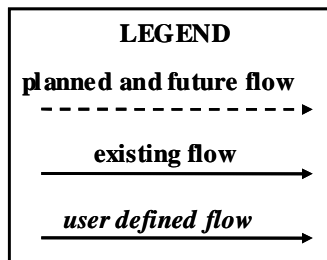
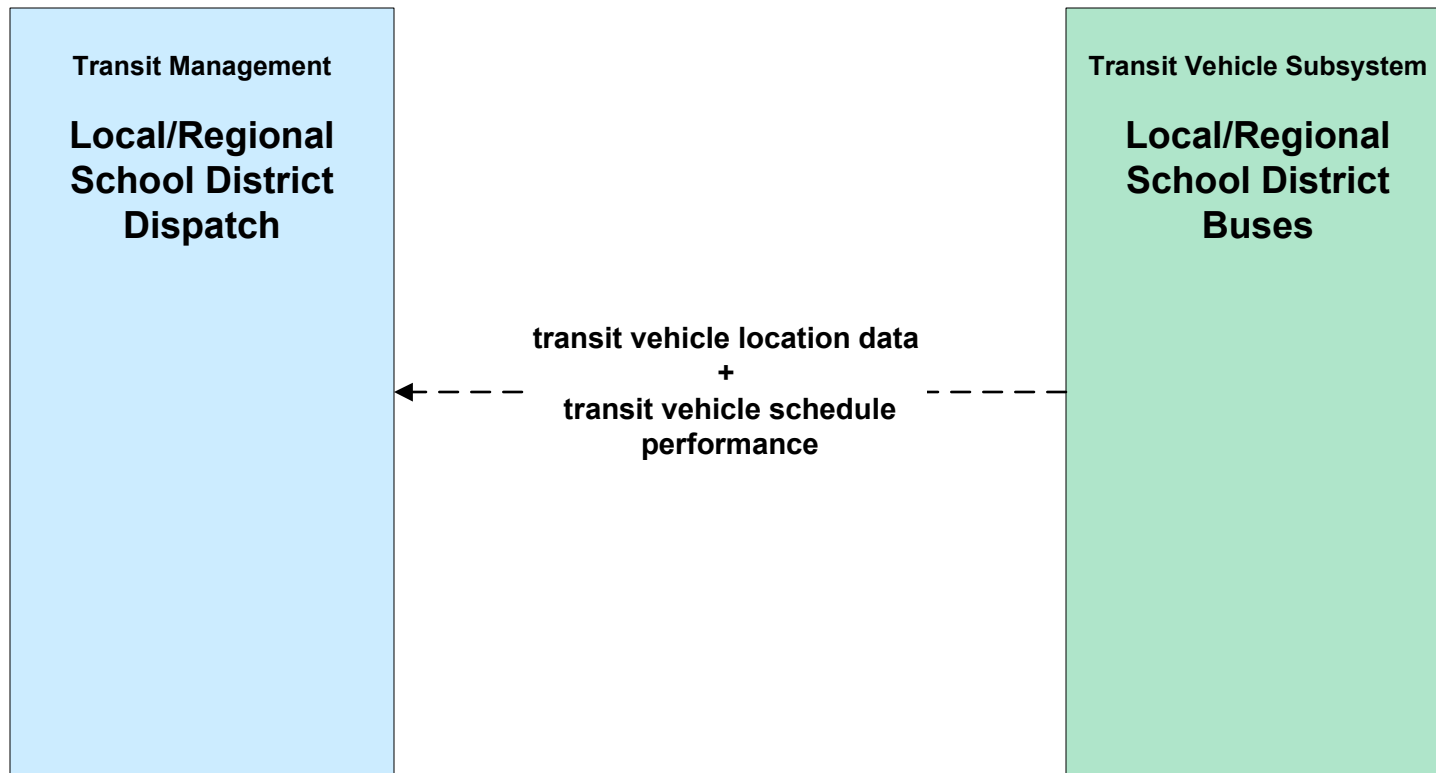
# APTS01 - Transit Vehicle Tracking MART



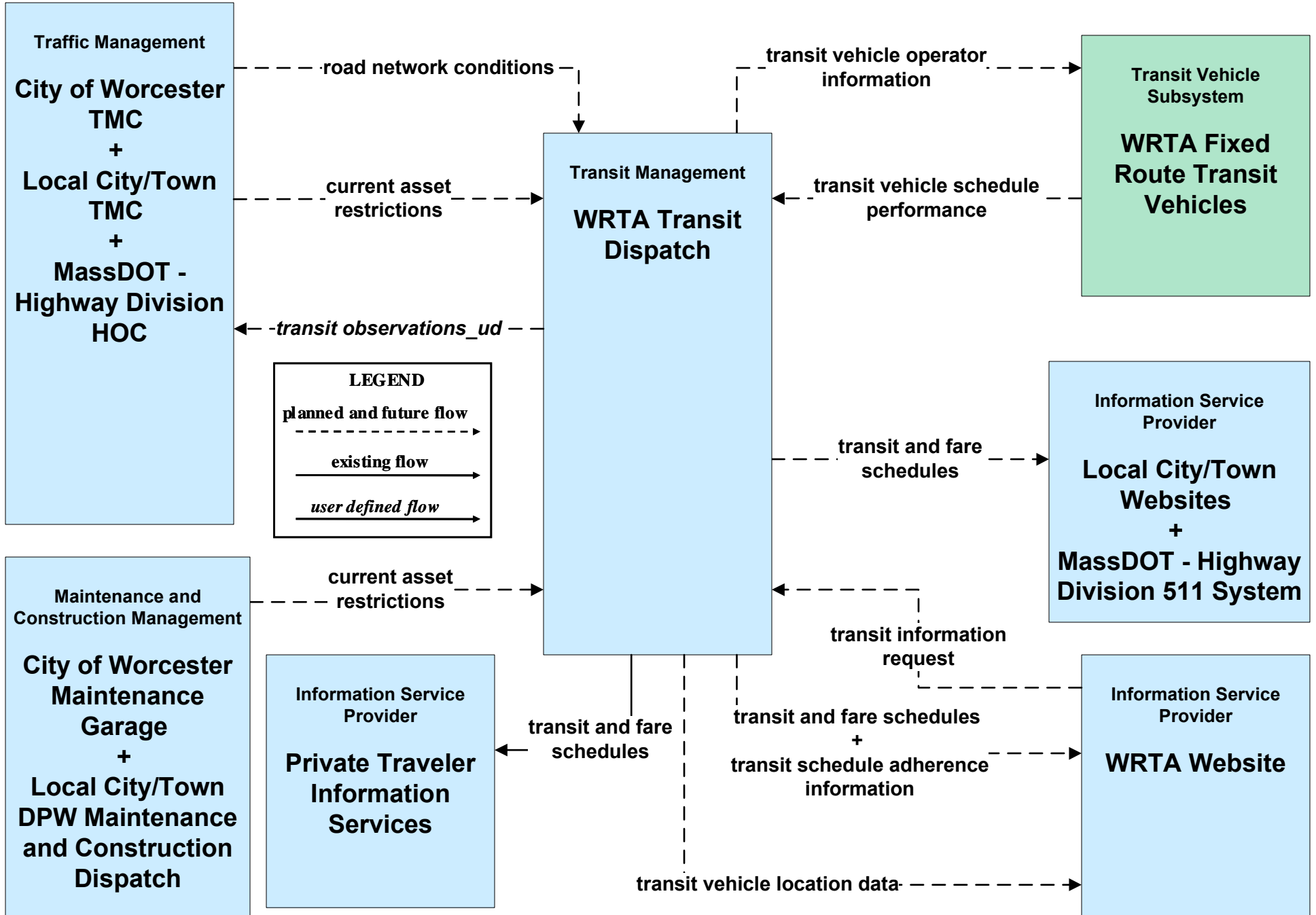
# APTS01 - Transit Vehicle Tracking Regional Transit Authorities



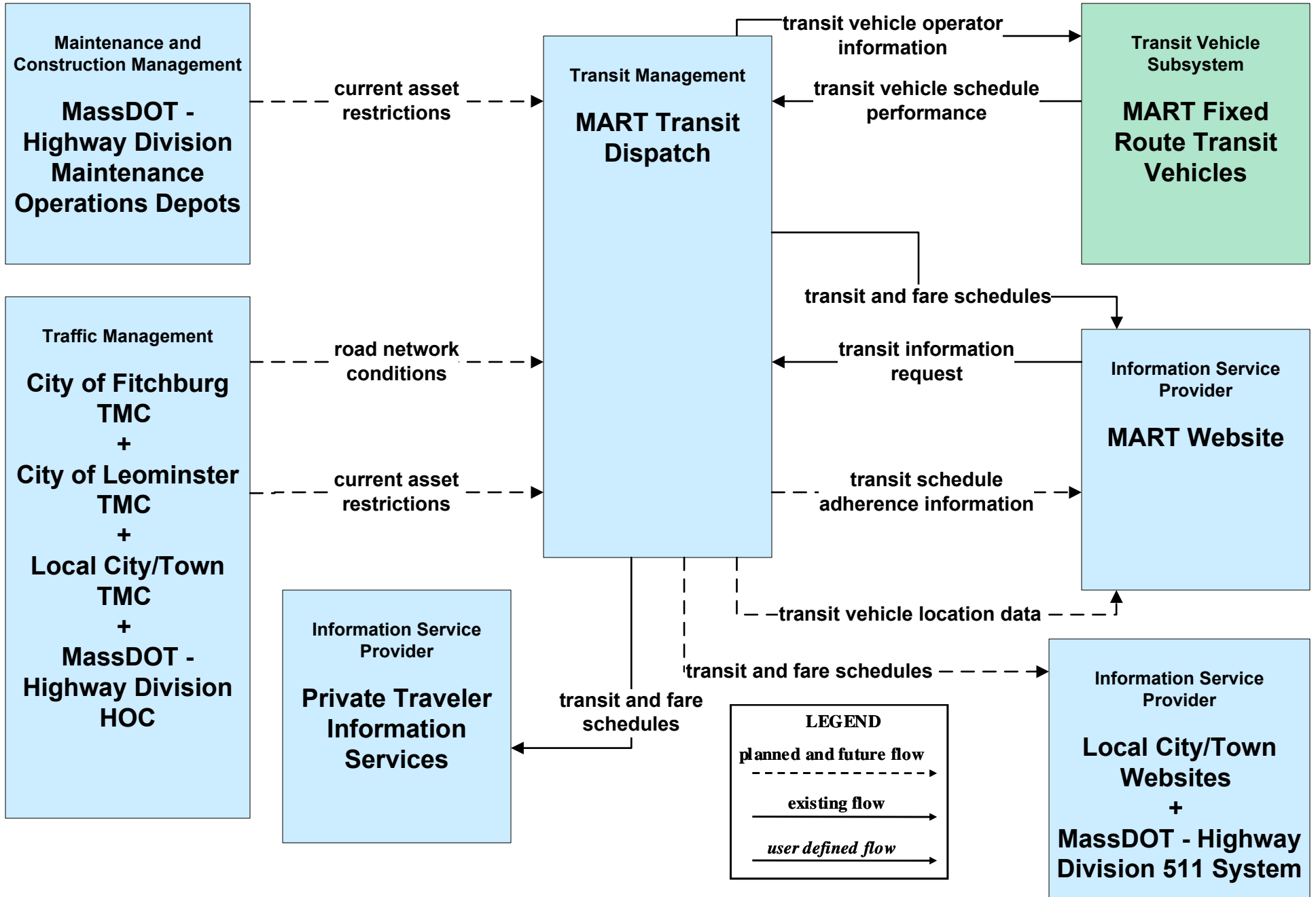
**APTS01 - Transit Vehicle Tracking  
Local/Regional School Districts**



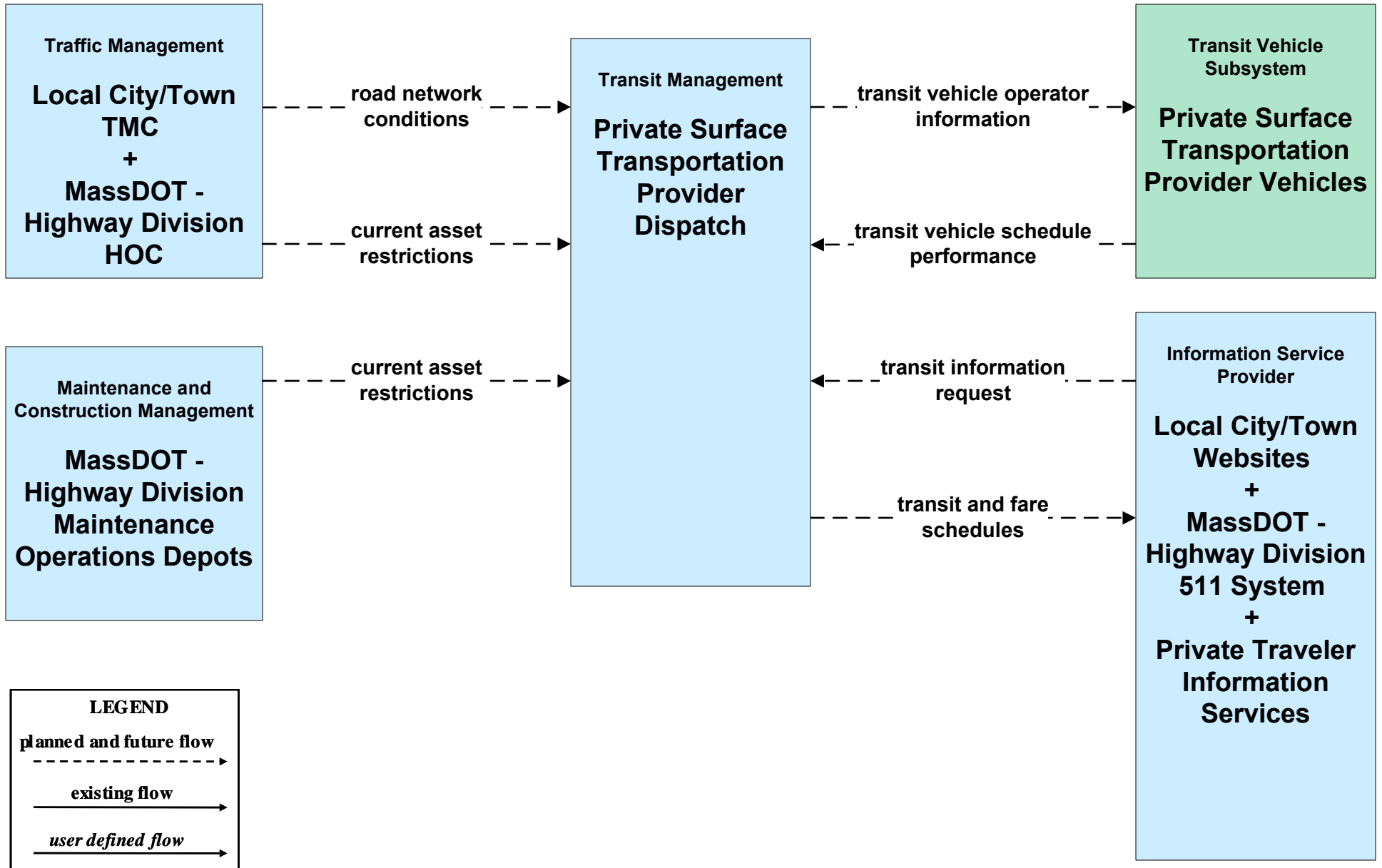
# APTS02 - Transit Fixed-Route Operations WRTA



# APTS02 - Transit Fixed-Route Operations MART

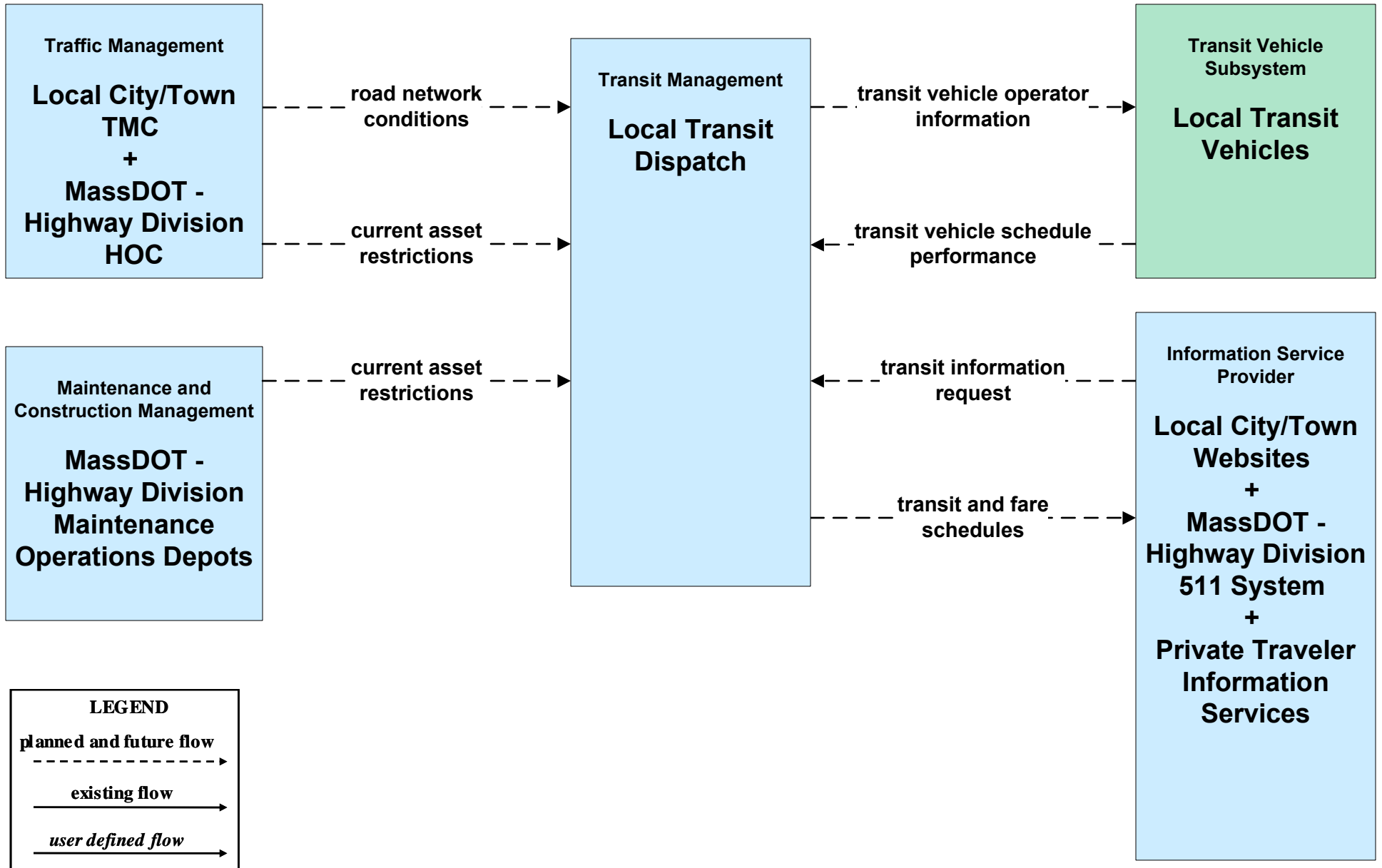


**APTS02 - Transit Fixed-Route Operations  
Private Ground Transportation Providers**

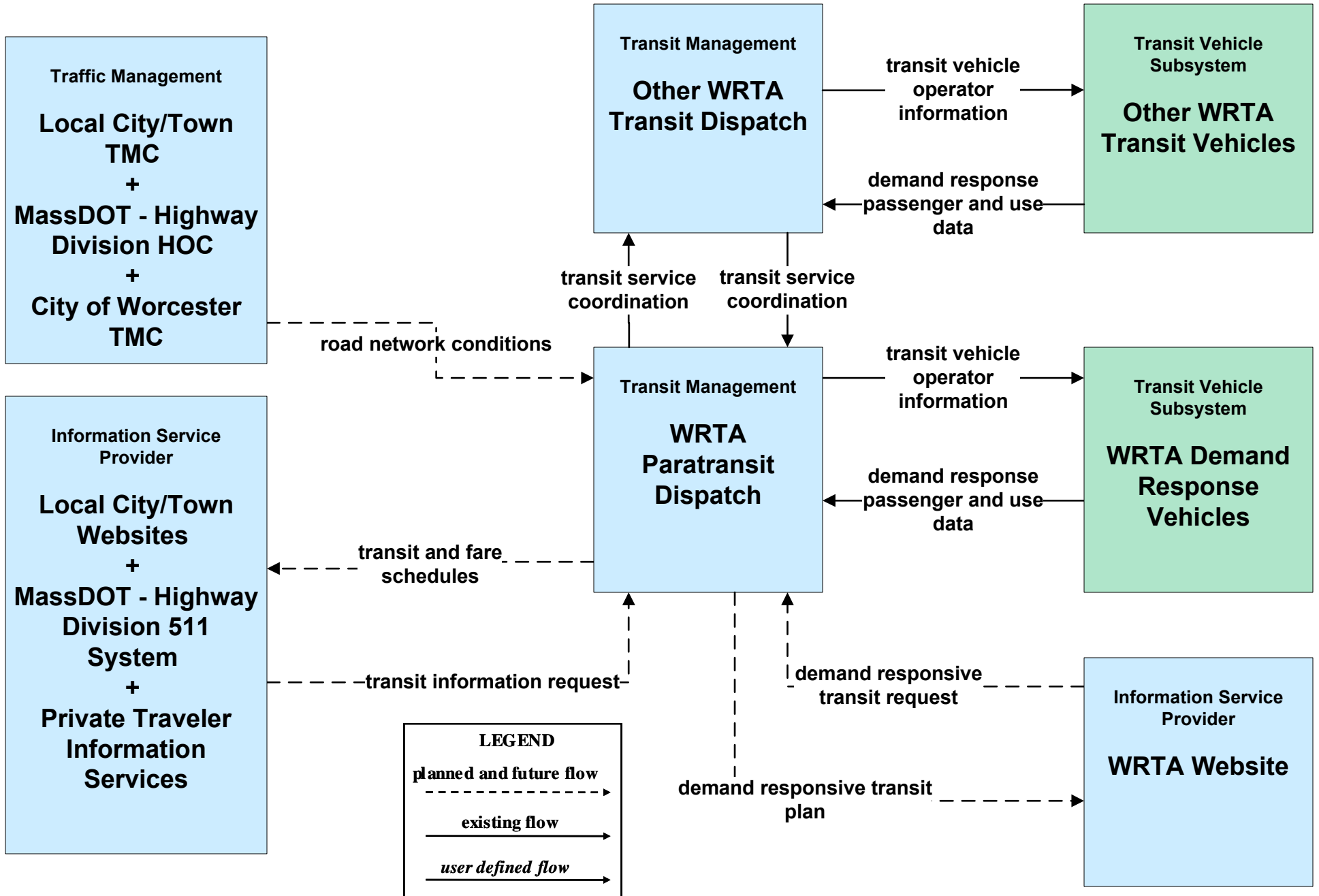




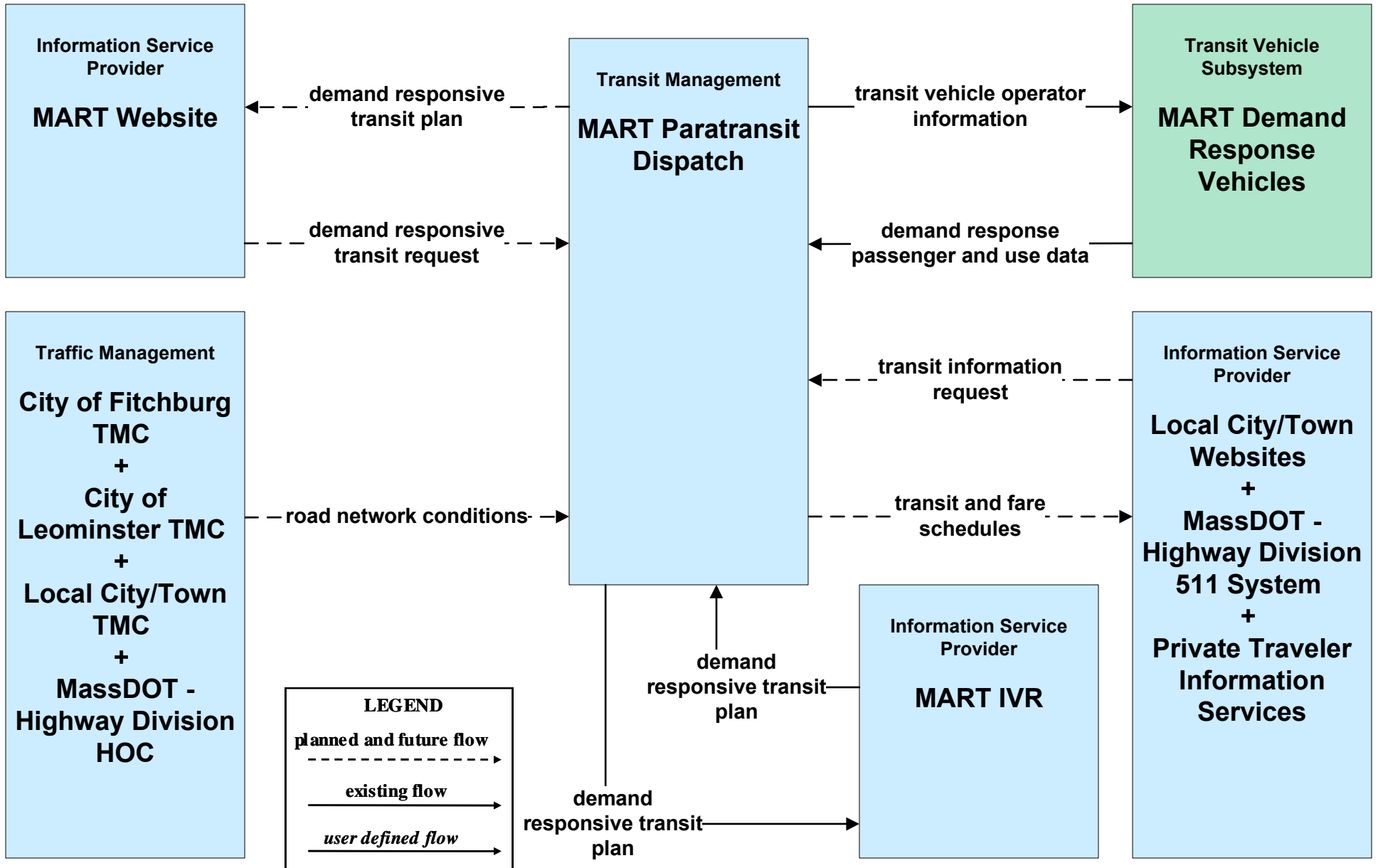
# APTS02 - Transit Fixed-Route Operations Local Transit



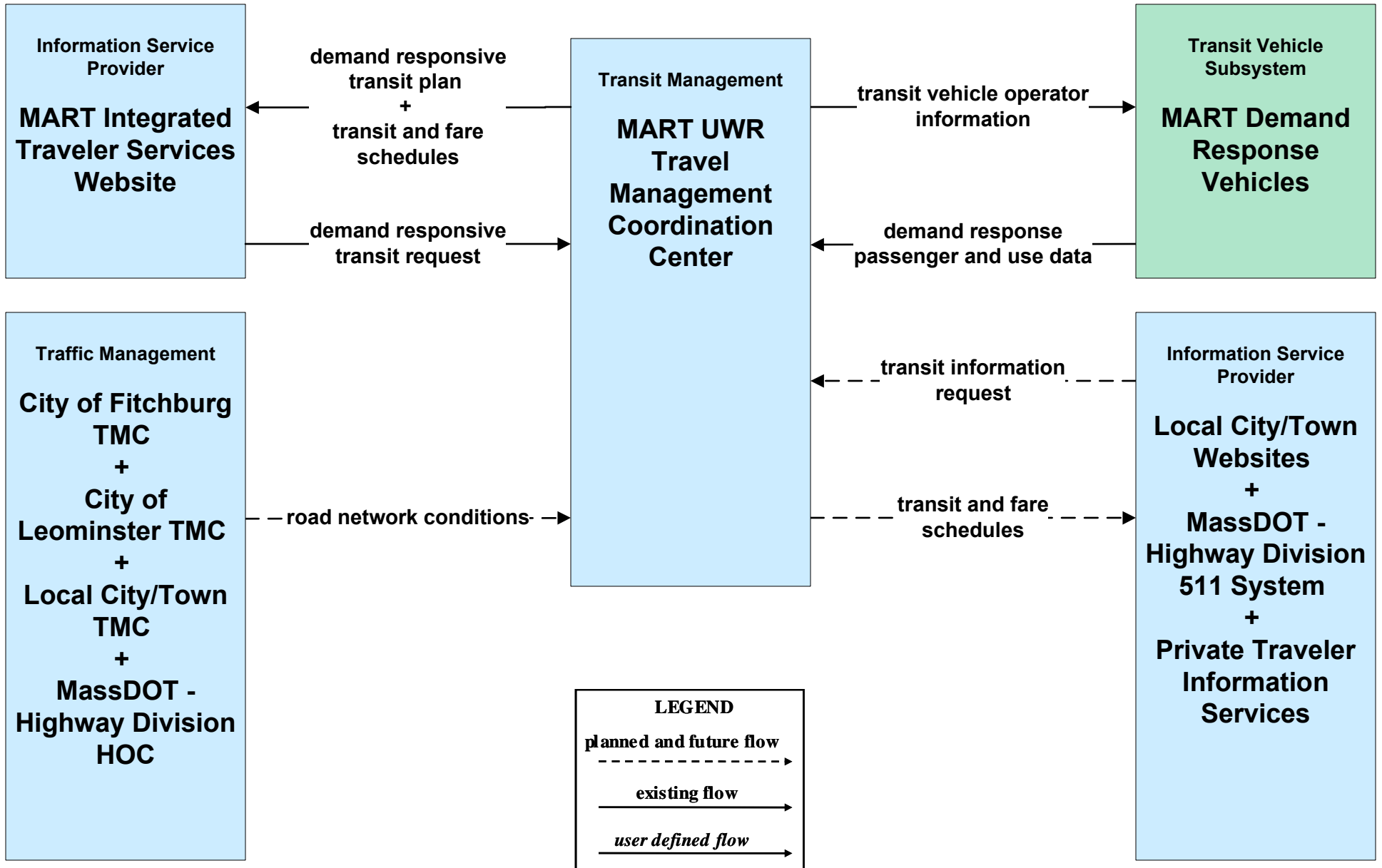
# APTS03 - Demand Response and Paratransit Operations WRTA



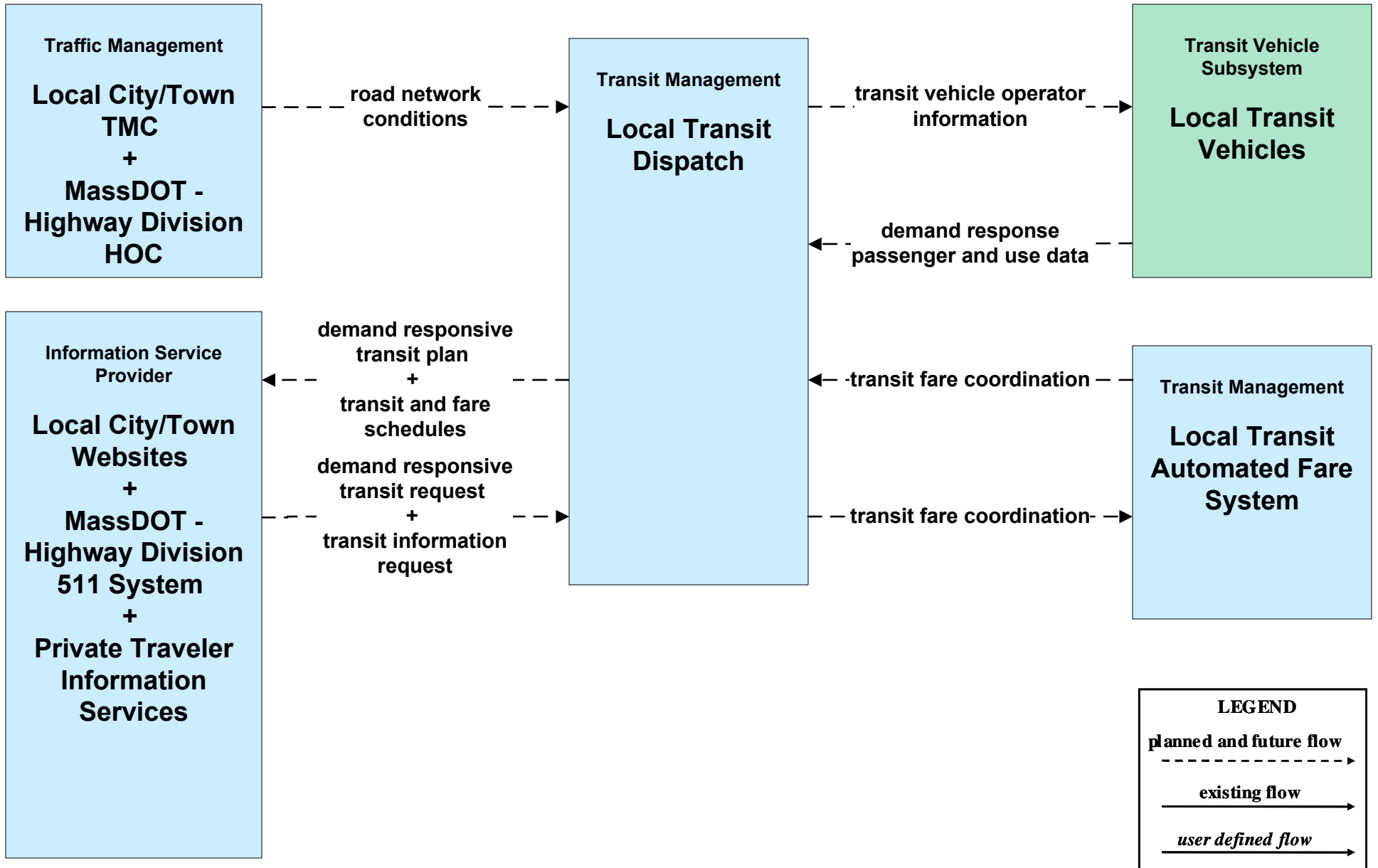
**APTS03 - Demand Response and Paratransit Operations  
MART (1 of 2)**



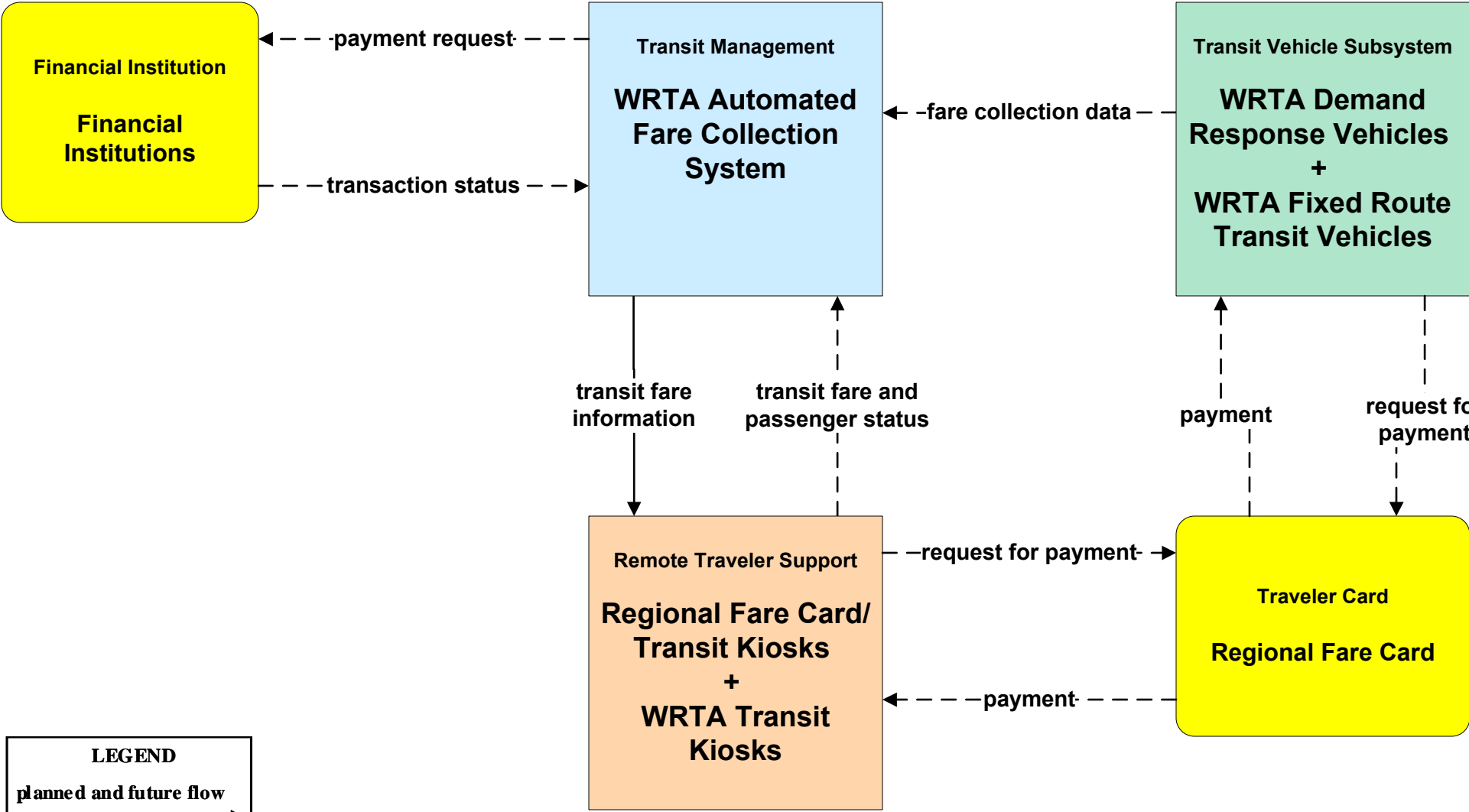
**APTS03 - Demand Response and Paratransit Operations  
MART (2 of 2)**



**APTS03 - Demand Response and Paratransit Operations  
Local Transit**



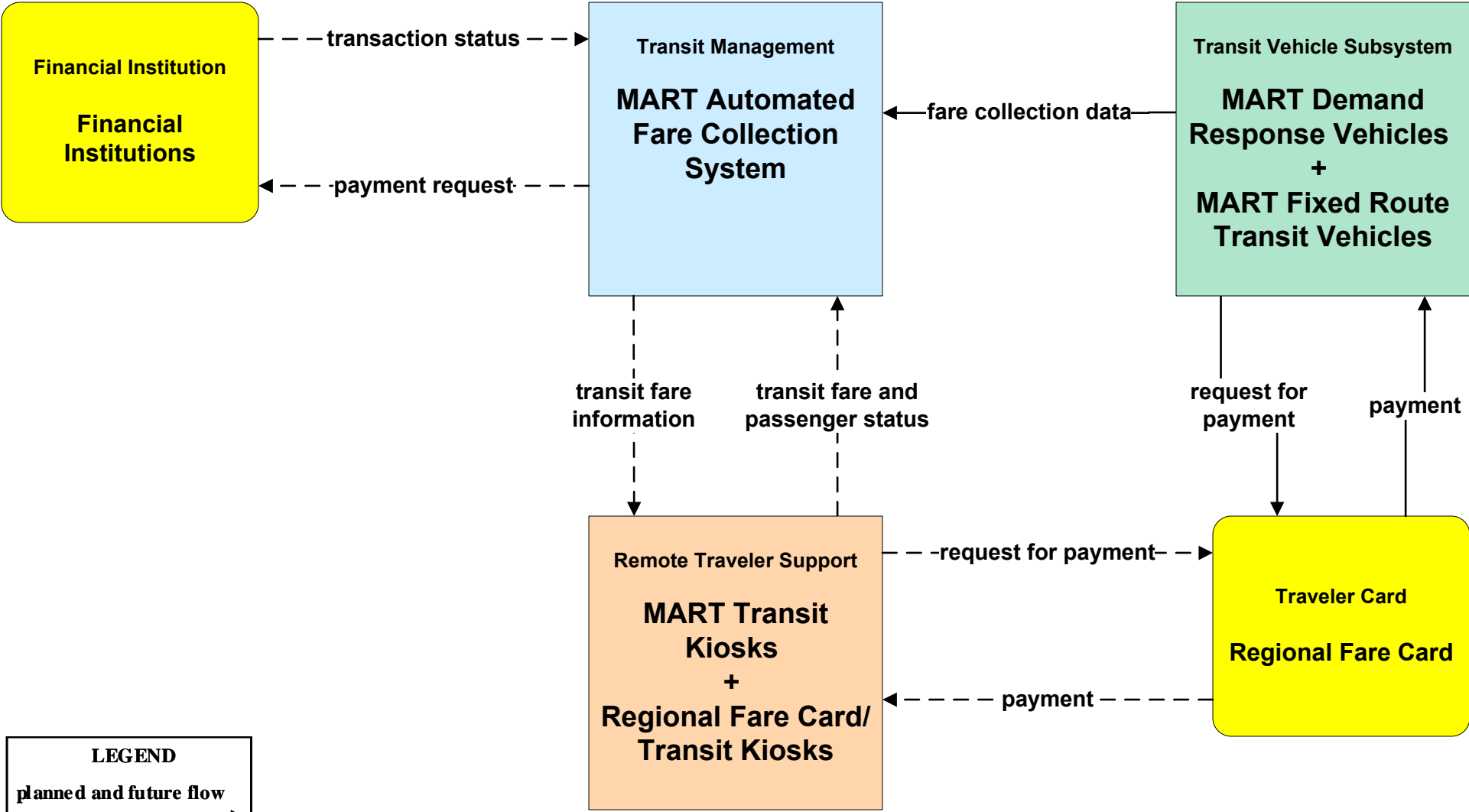
# APTS04 - Transit Passenger and Fare Payment WRTA



**LEGEND**

- planned and future flow*  →
- existing flow*  →
- user defined flow*  →

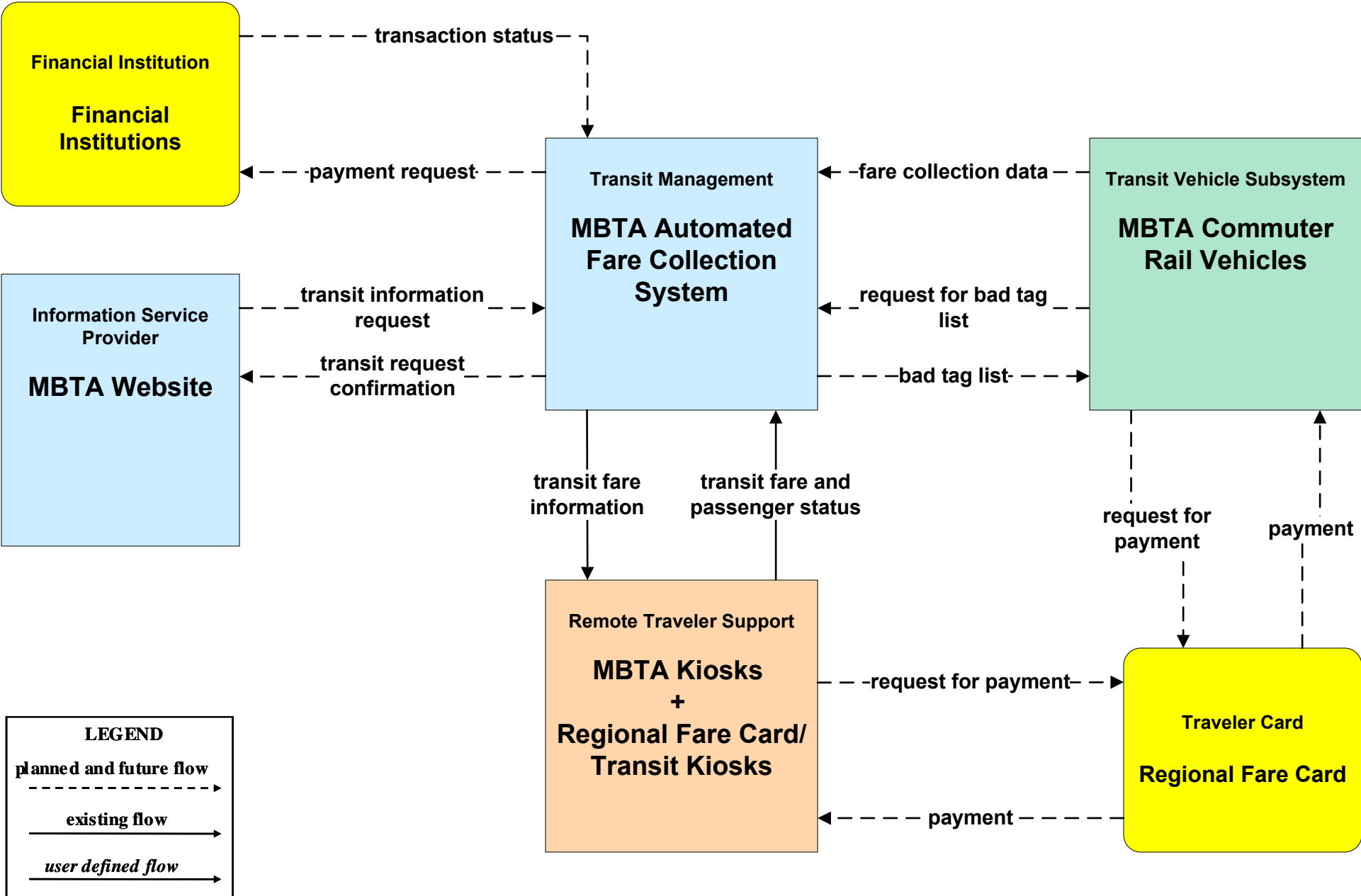
# APTS04 - Transit Passenger and Fare Payment MART



**LEGEND**

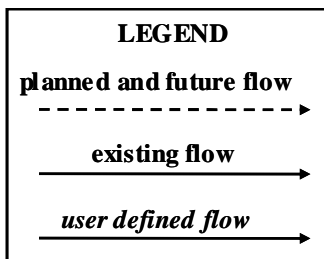
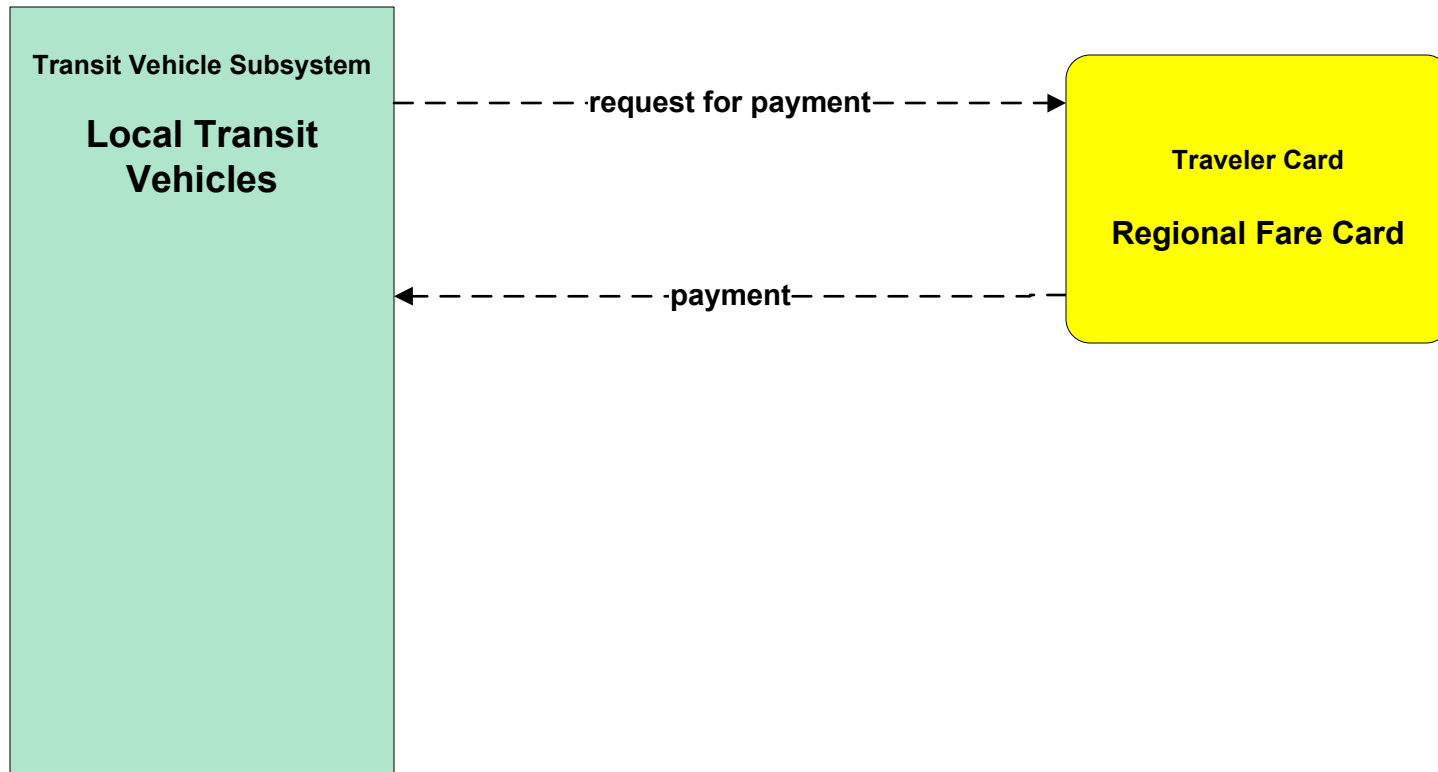
- planned and future flow*  
- - - - ->
- existing flow*  
—————>
- user defined flow*  
—————>

**APTS04 - Transit Passenger and Fare Payment  
MBTA**

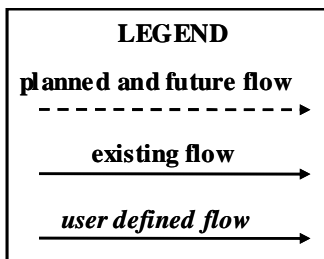
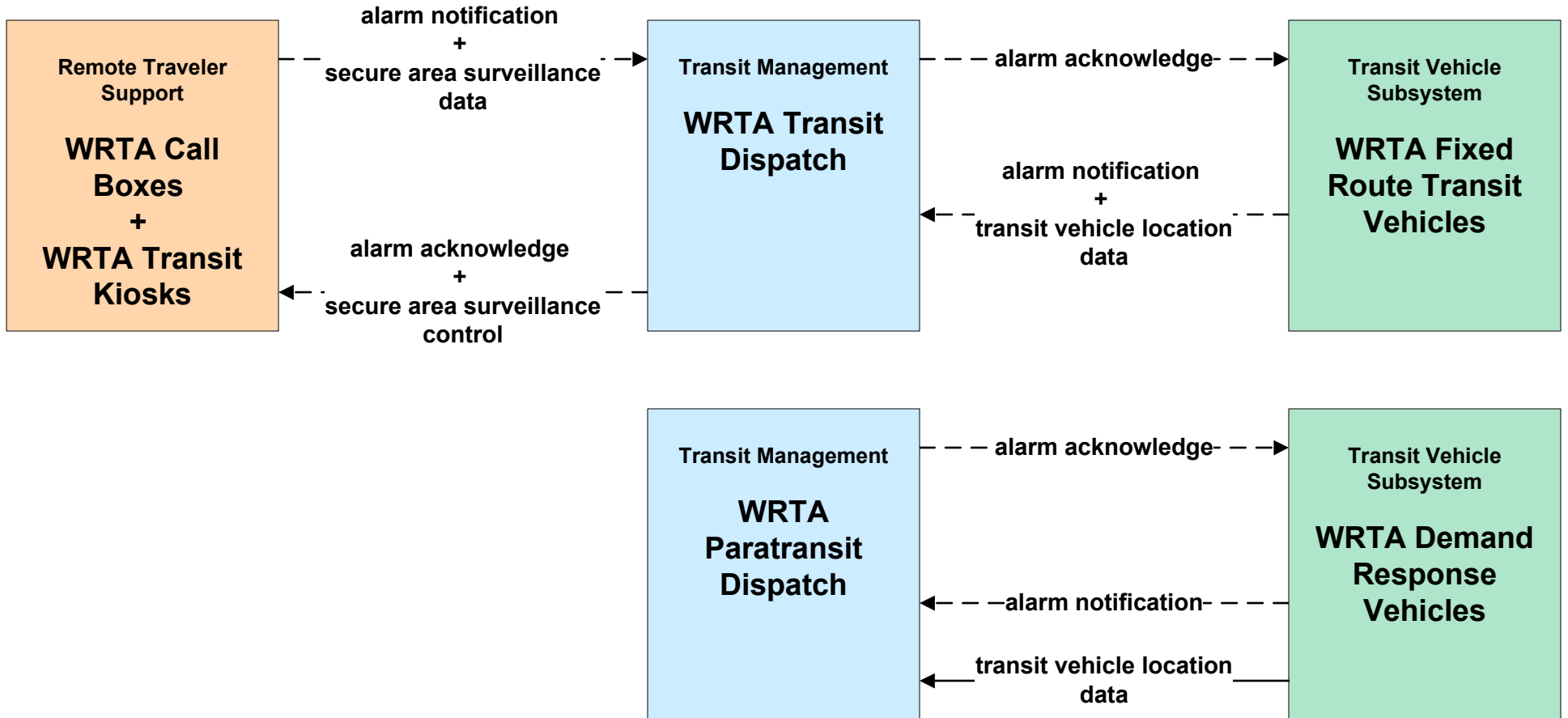




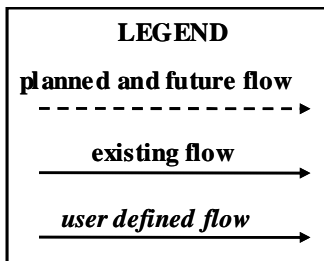
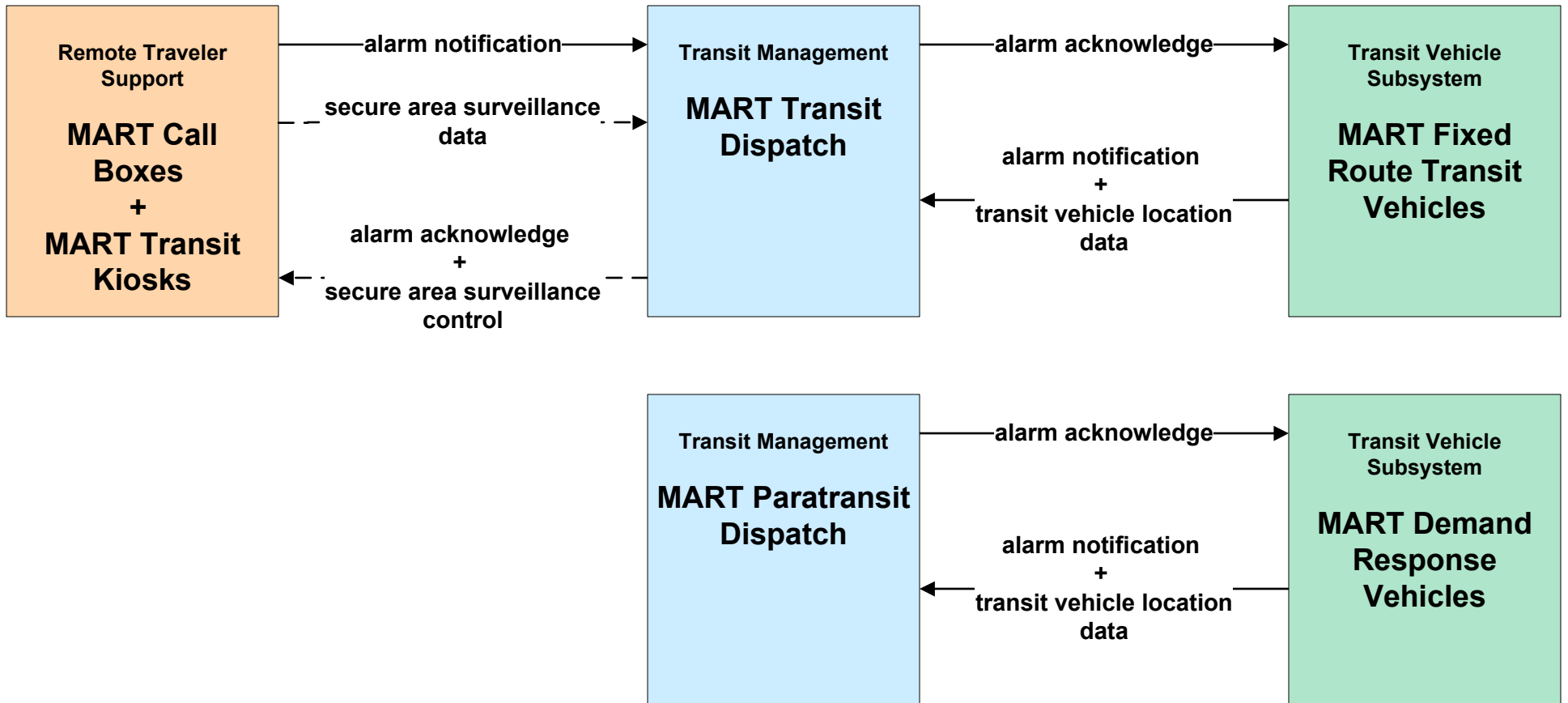
**APTS04 - Transit Passenger and Fare Payment  
Other Transit**



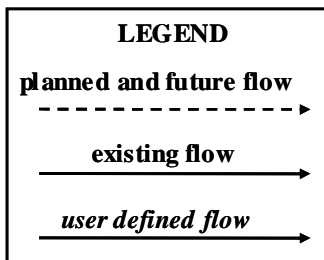
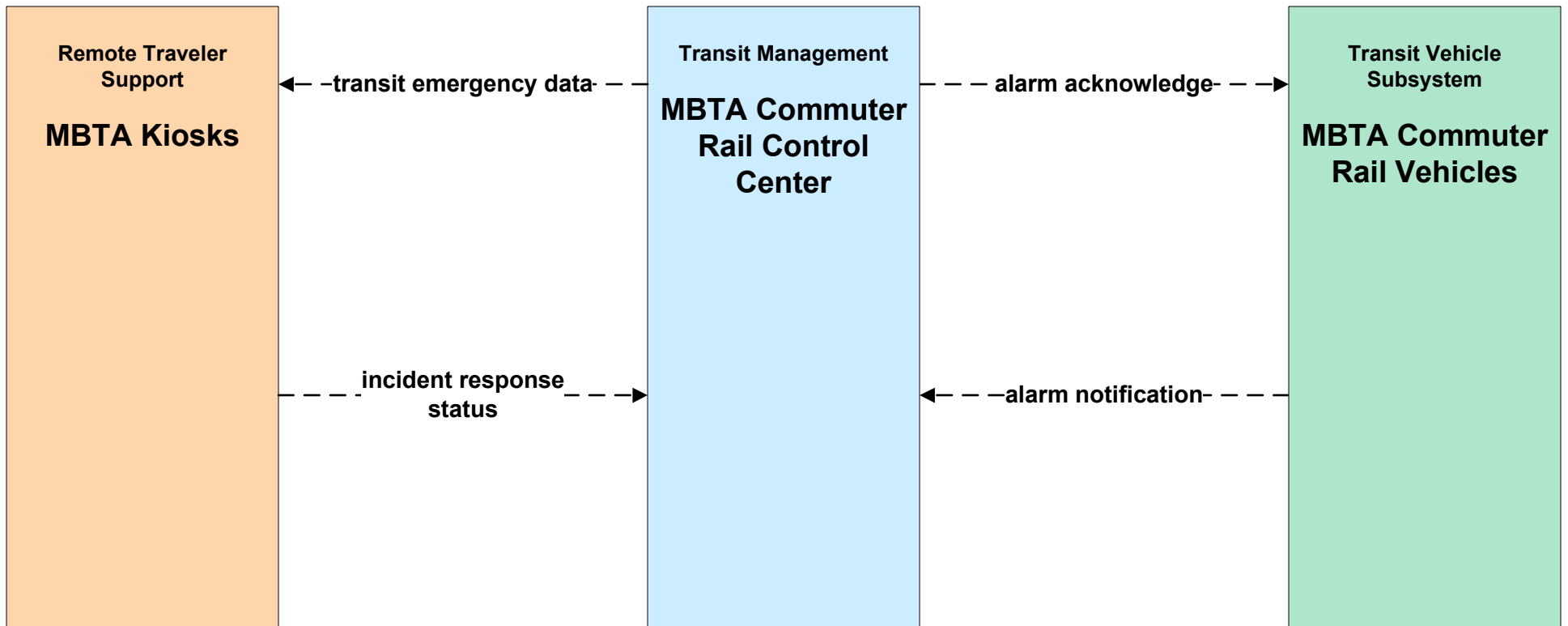
# APTS05 - Transit Security WRTA



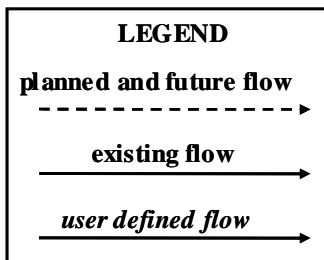
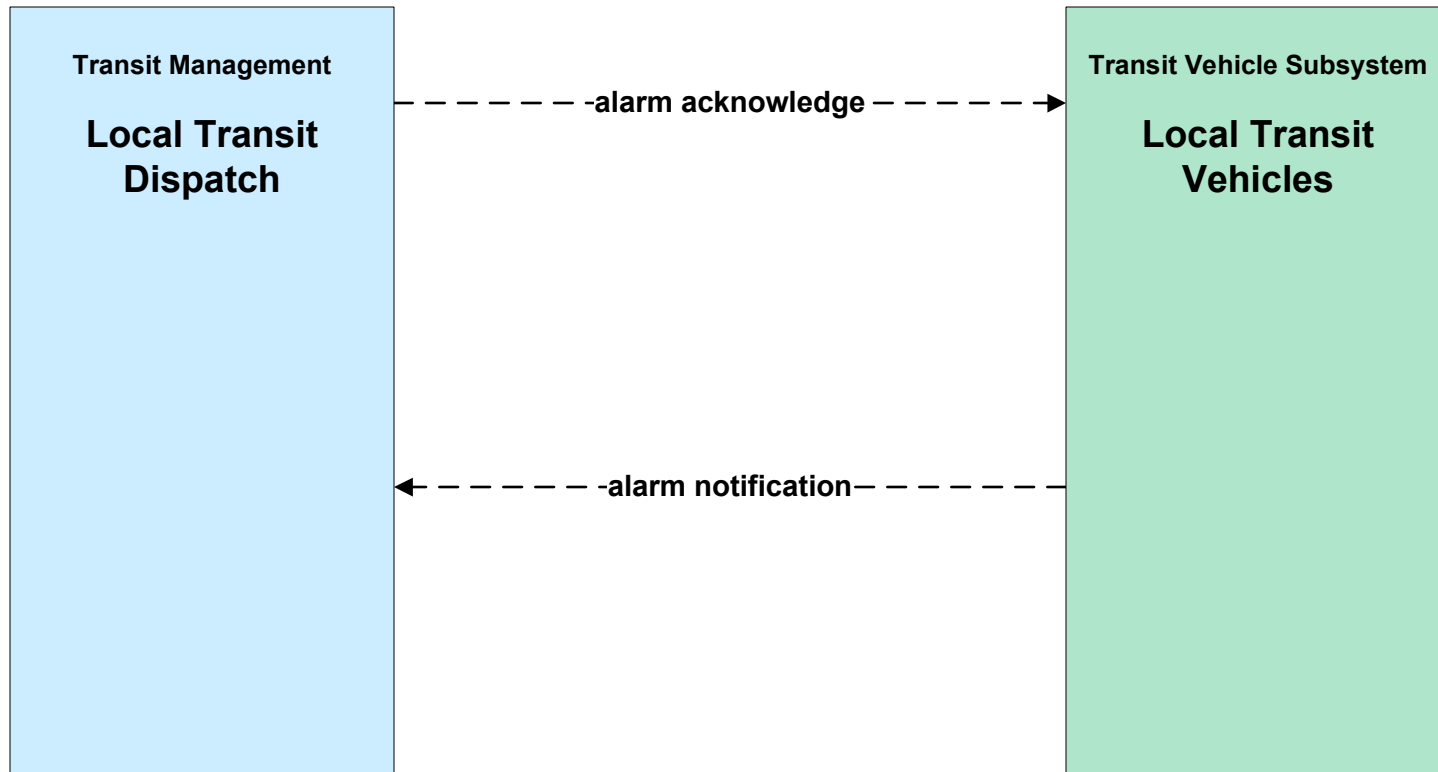
# APTS05 - Transit Security MART



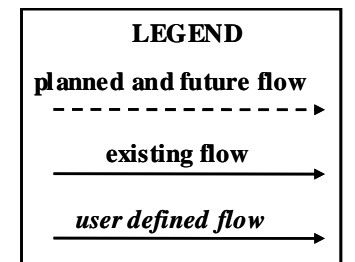
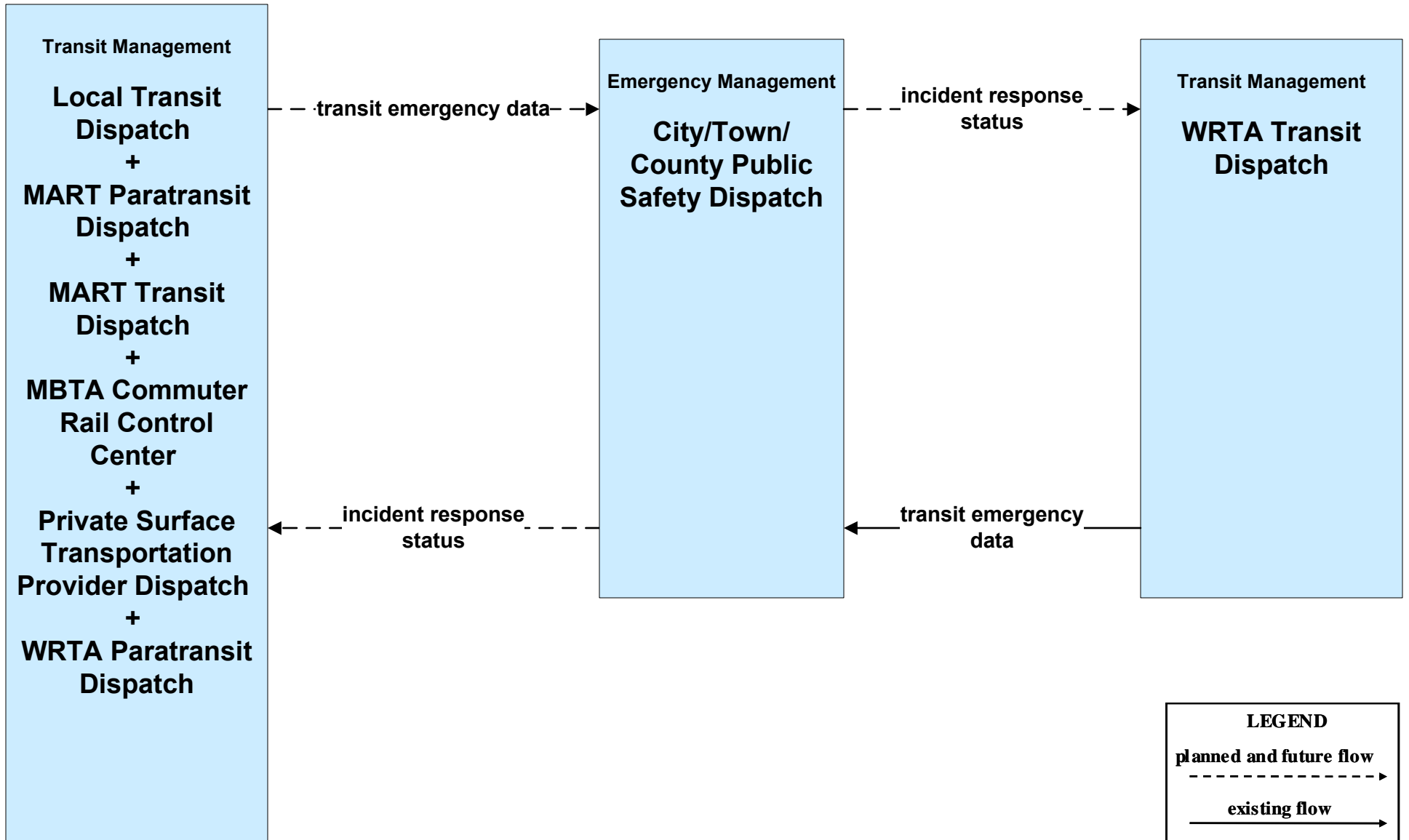
**APTS05 - Transit Security  
MBTA Commuter Rail**



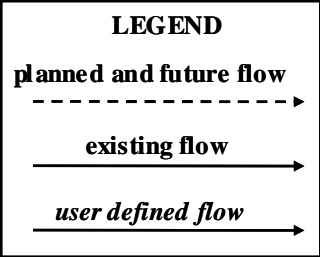
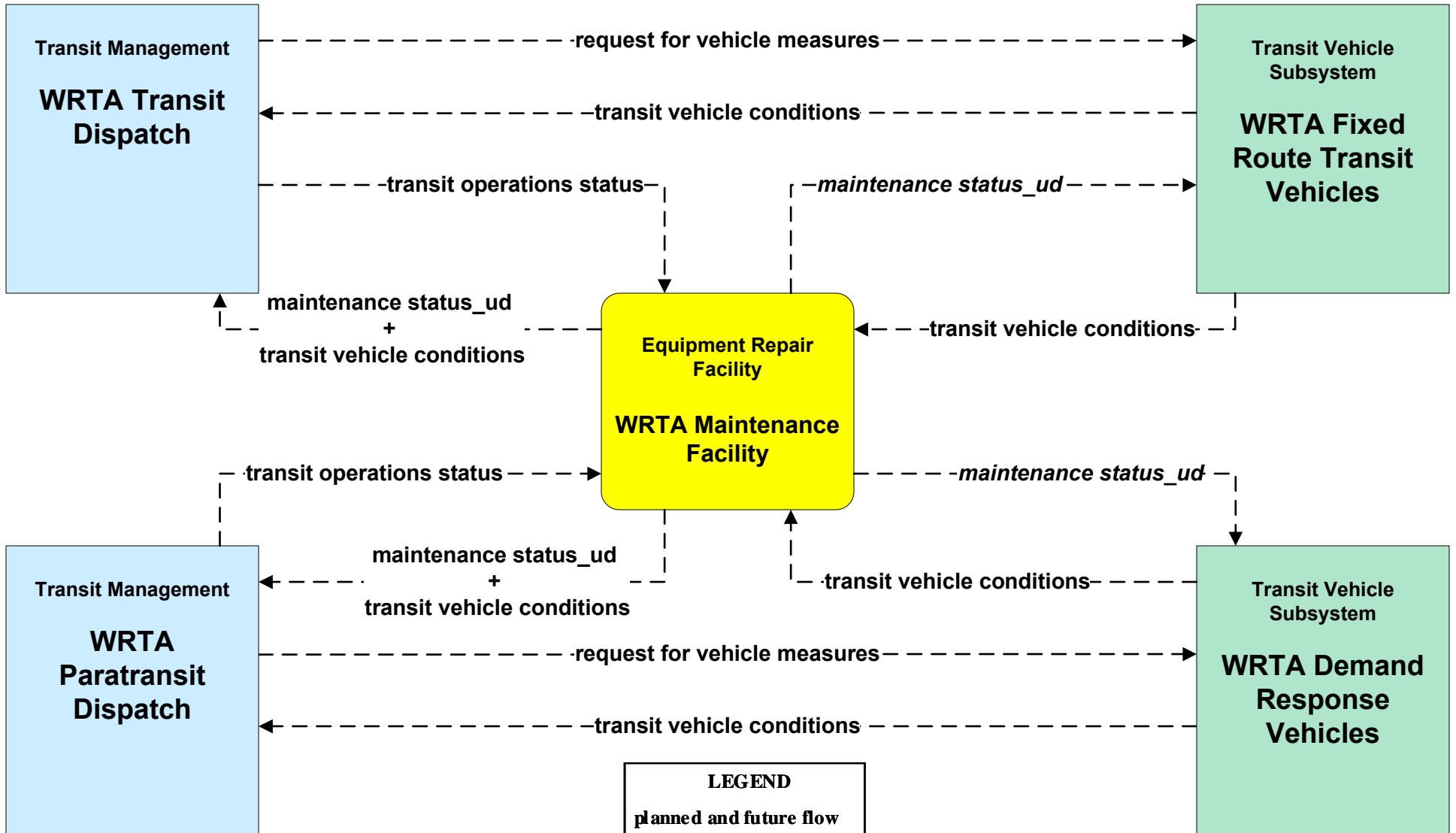
**APTS05 - Transit Security  
Local Transit**



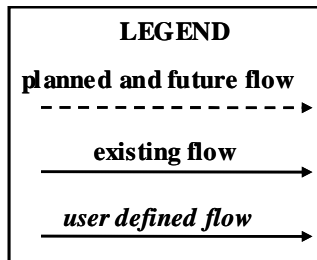
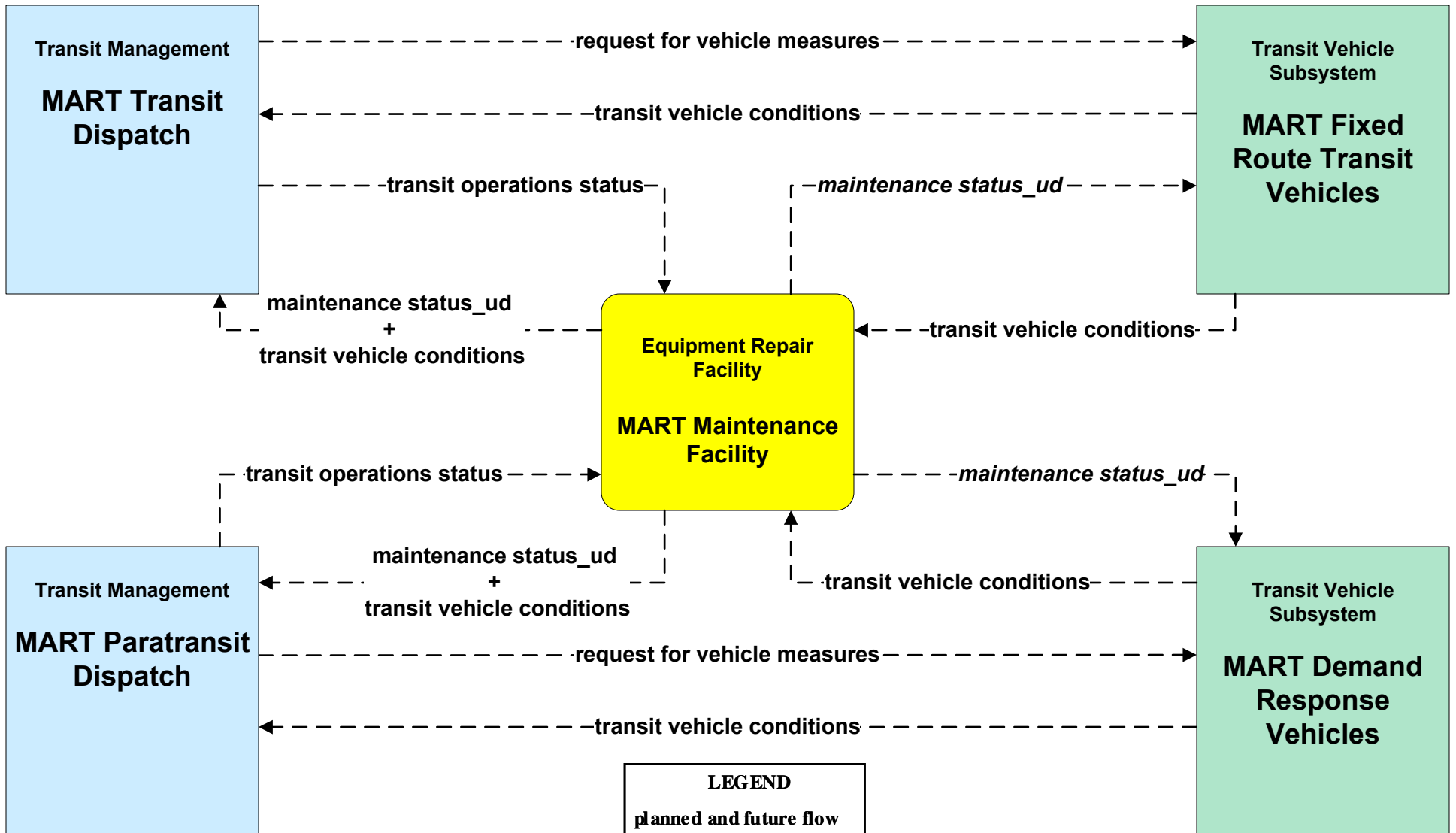
**APTS05 - Transit Security  
City/Town/County**



# APTS06 - Transit Vehicle Maintenance WRTA

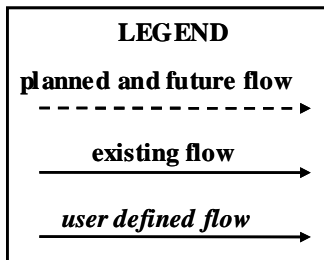
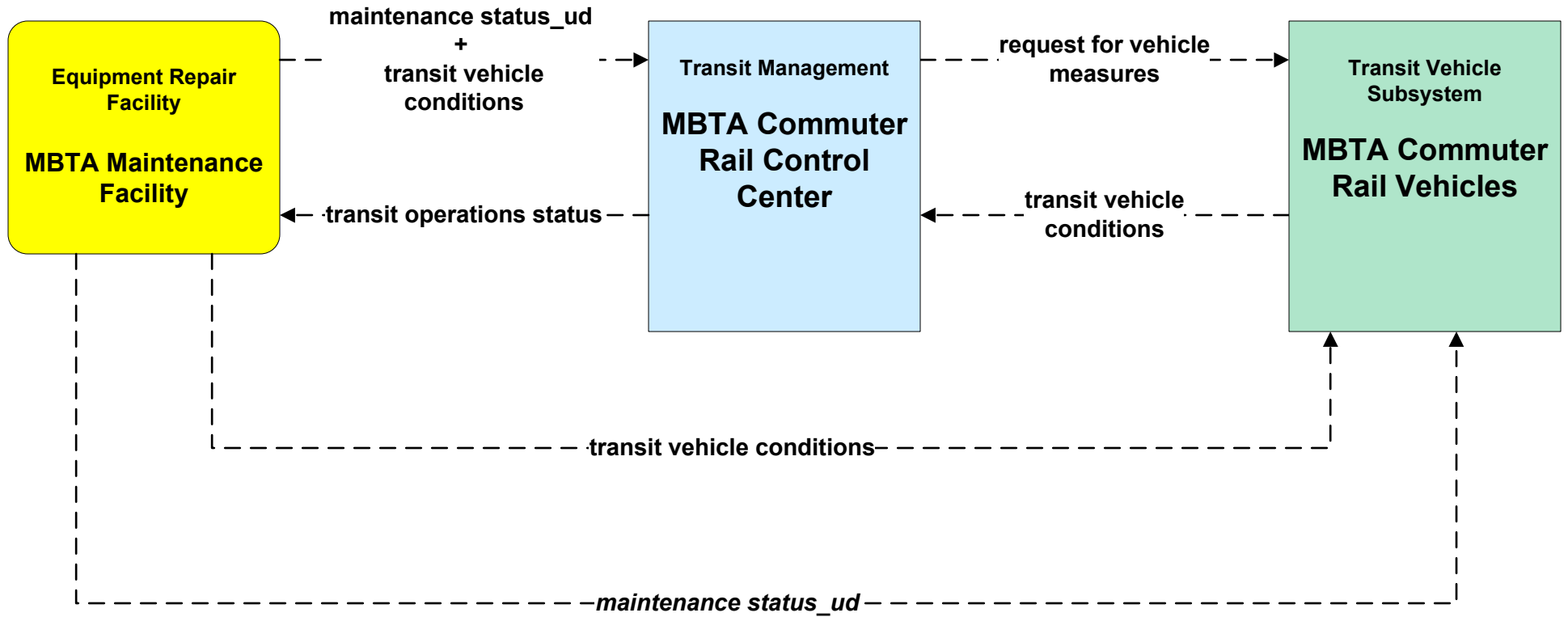


# APTS06 - Transit Vehicle Maintenance MART

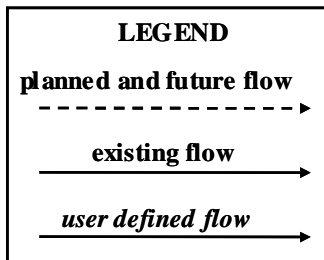
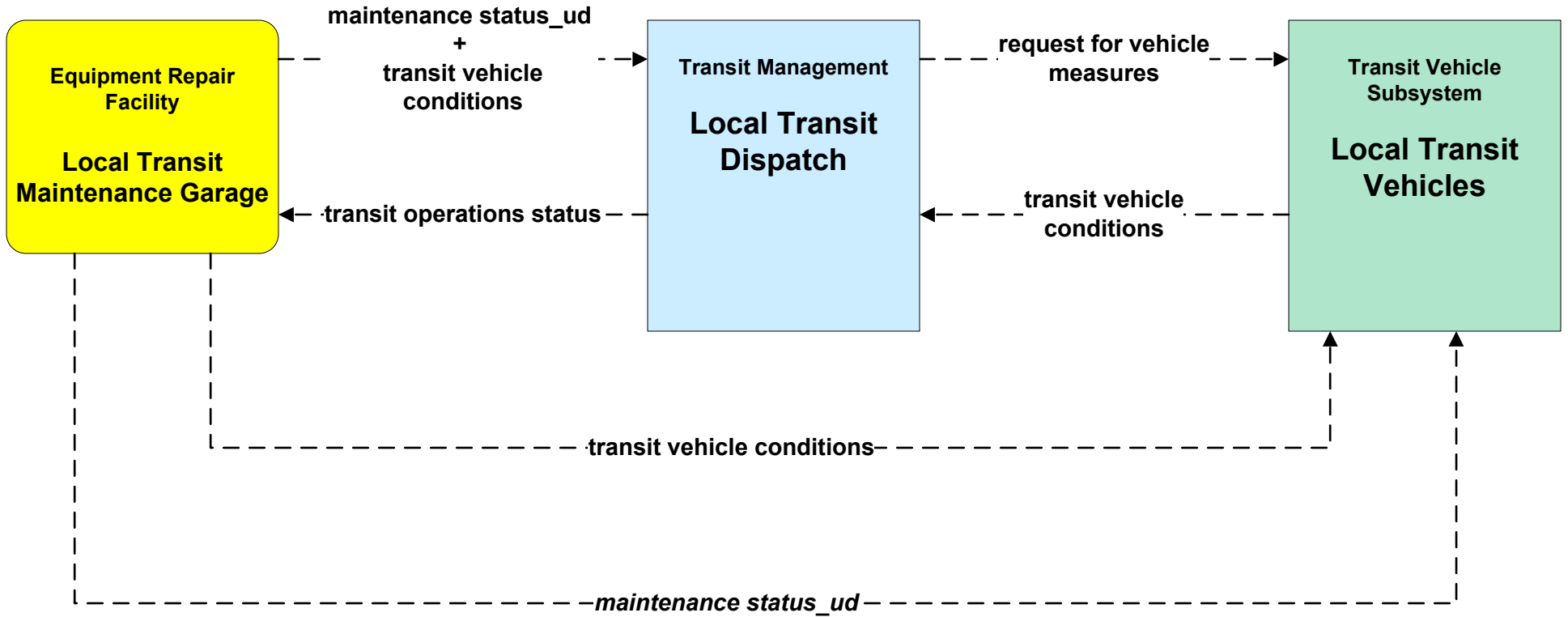




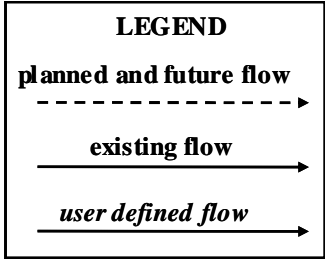
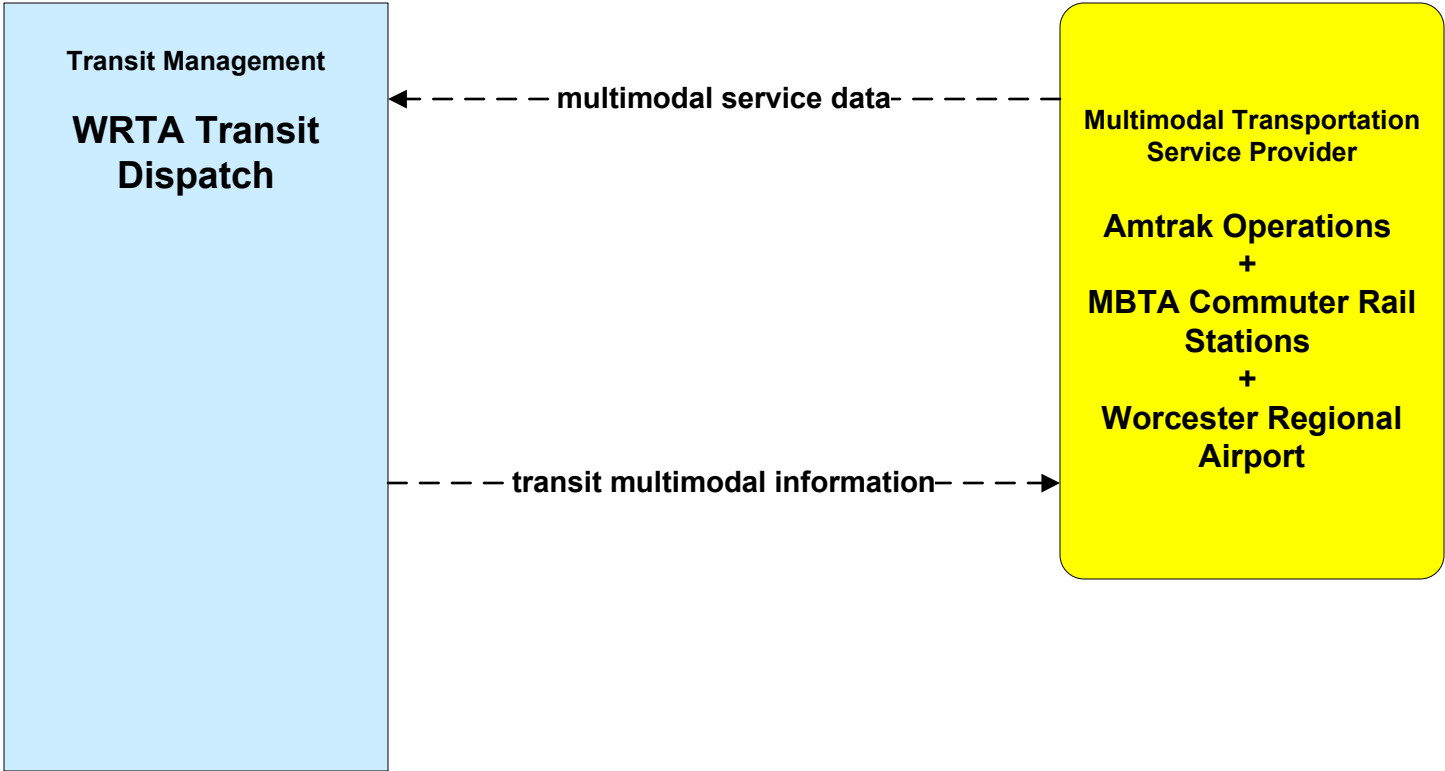
# APTS06 - Transit Vehicle Maintenance MBTA



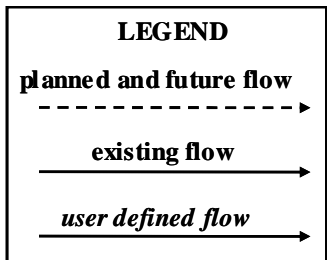
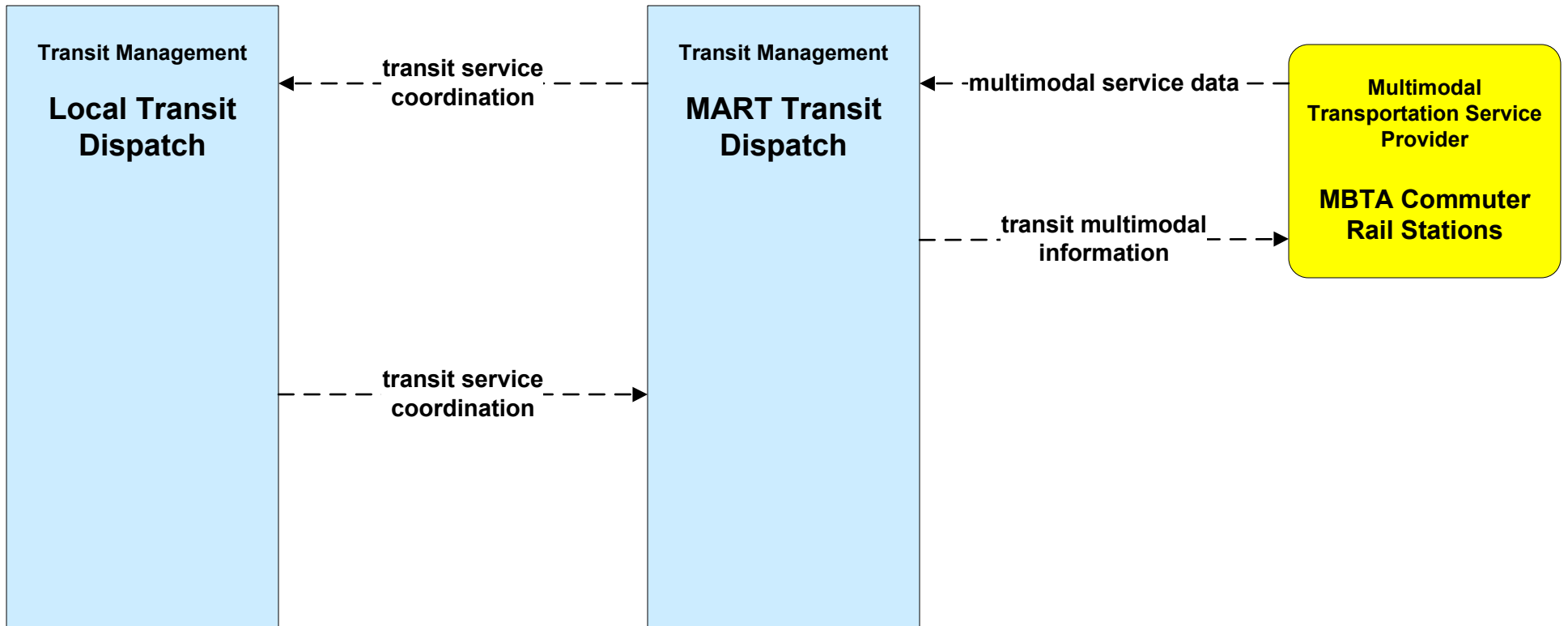
# APTS06 - Transit Vehicle Maintenance Local Transit



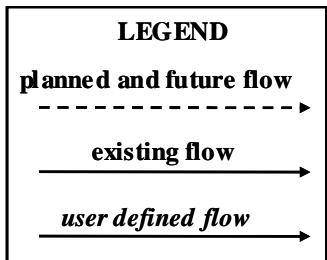
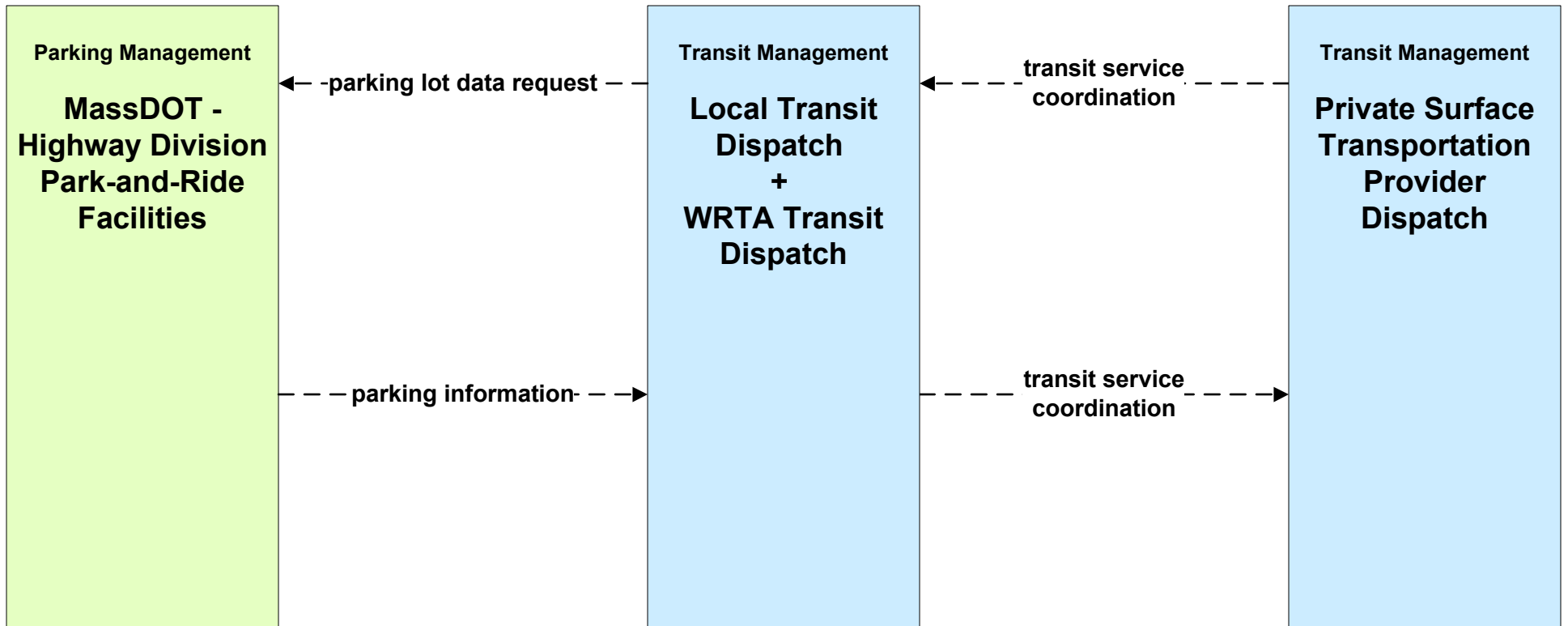
**APTS07 - Multimodal Coordination  
WRTA**



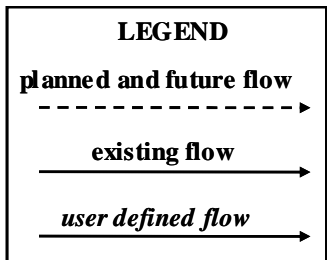
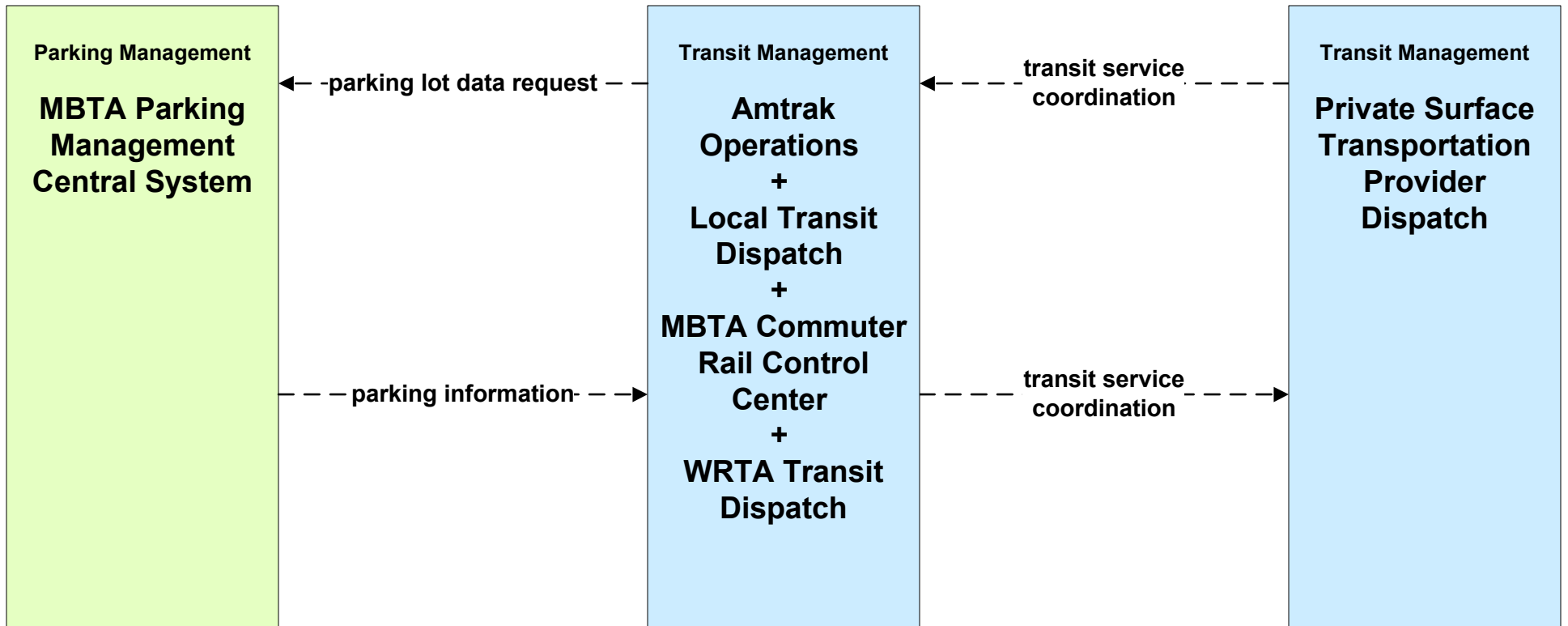
**APTS07 - Multimodal Coordination  
MART**



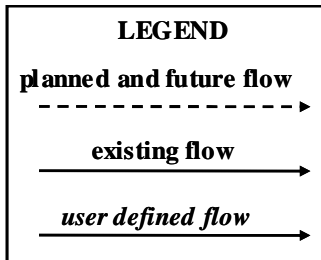
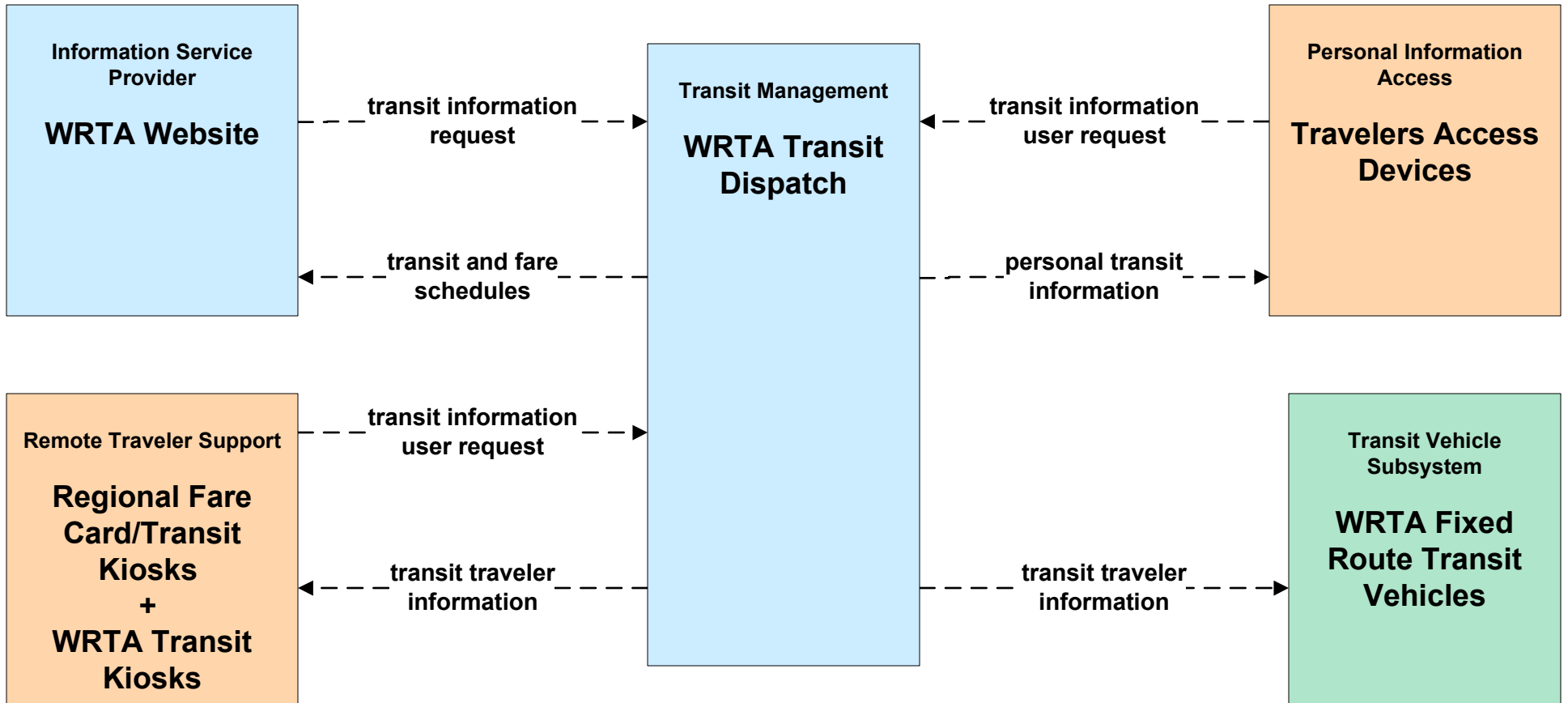
**APTS07 - Multimodal Coordination  
MassDOT - Highway Division**



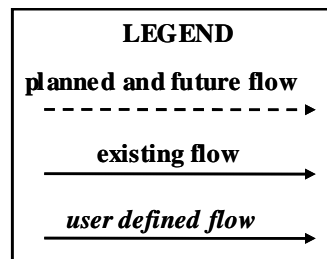
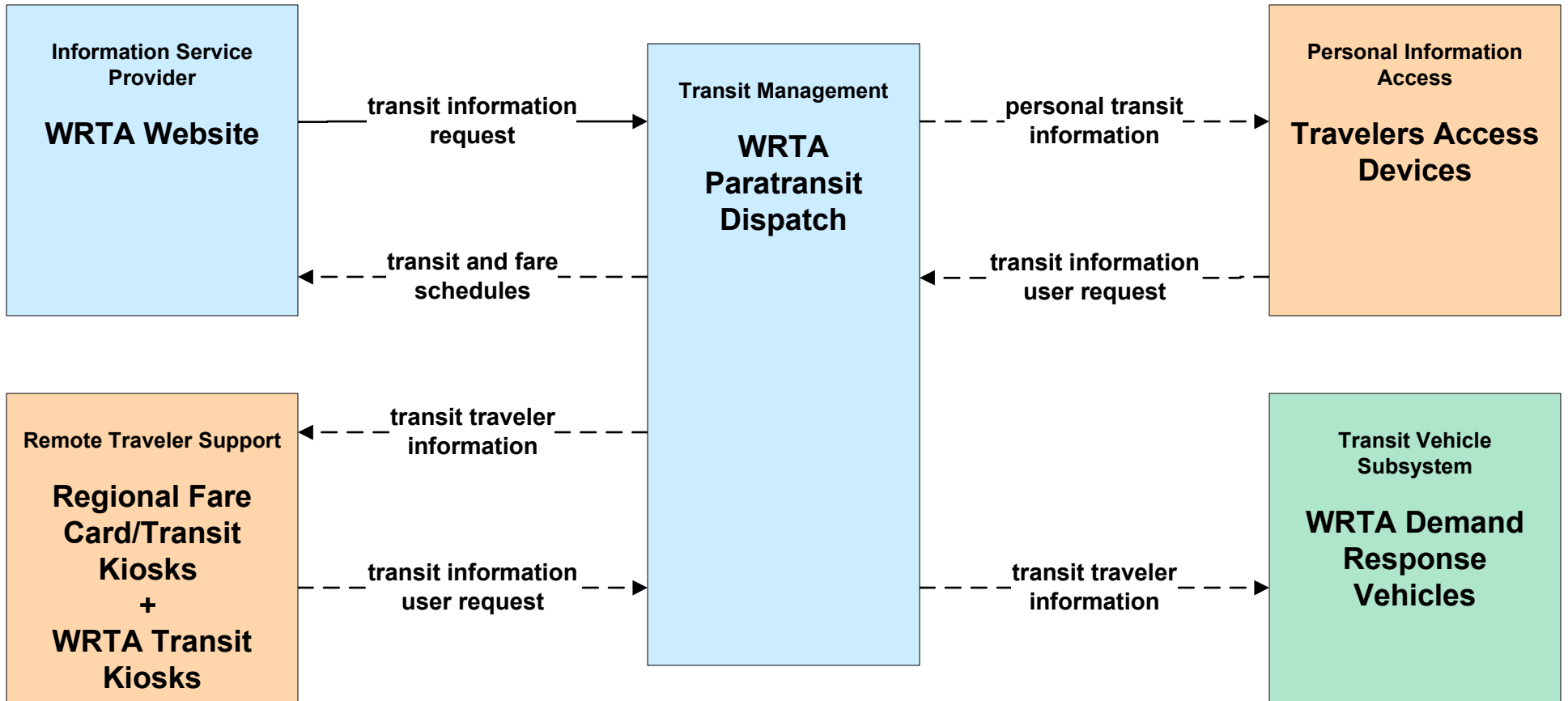
**APTS07 - Multimodal Coordination  
MBTA**



**APTS08 - Transit Traveler Information  
WRTA (1 of 2)**

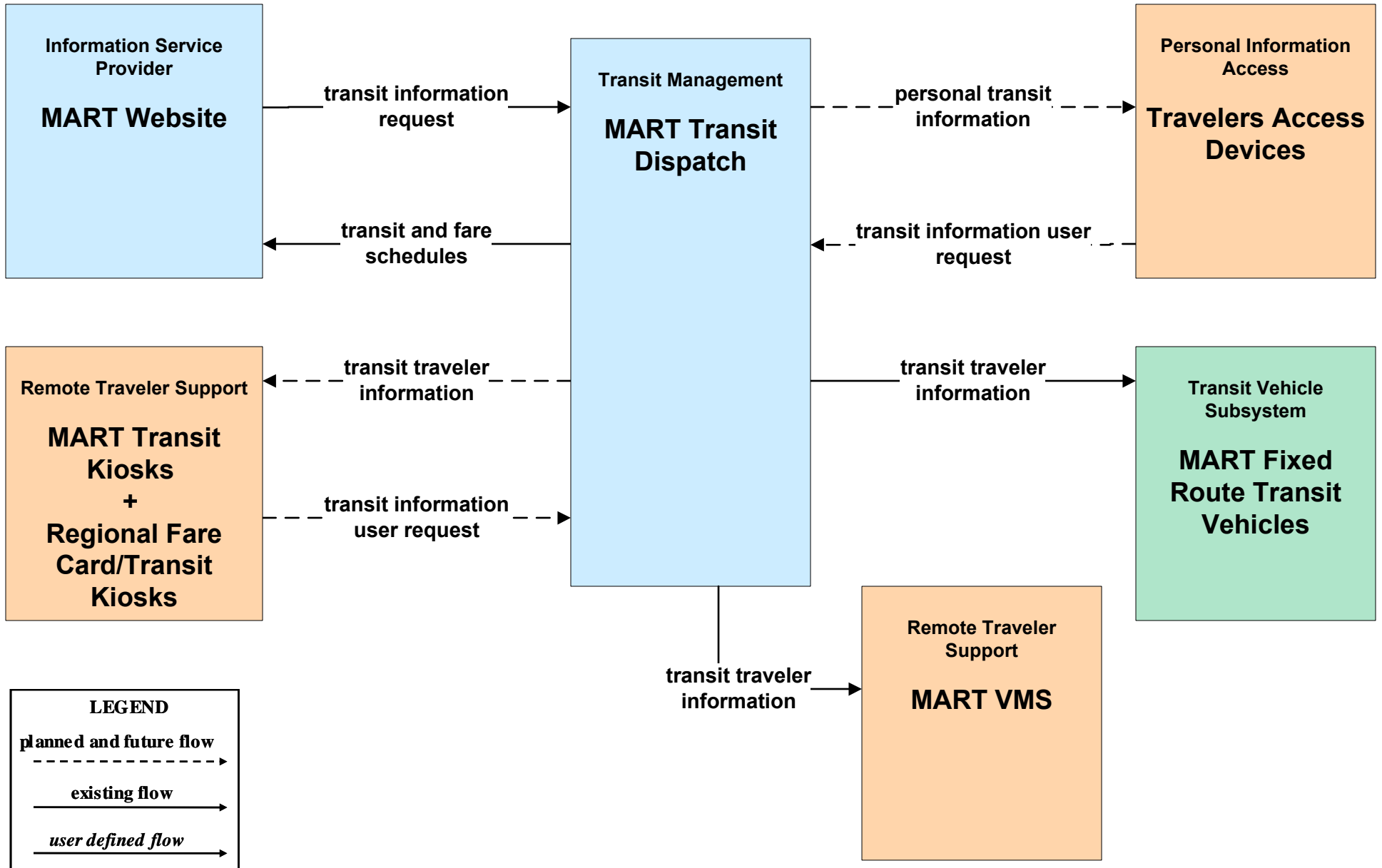


**APTS08 - Transit Traveler Information  
WRTA (2 of 2)**

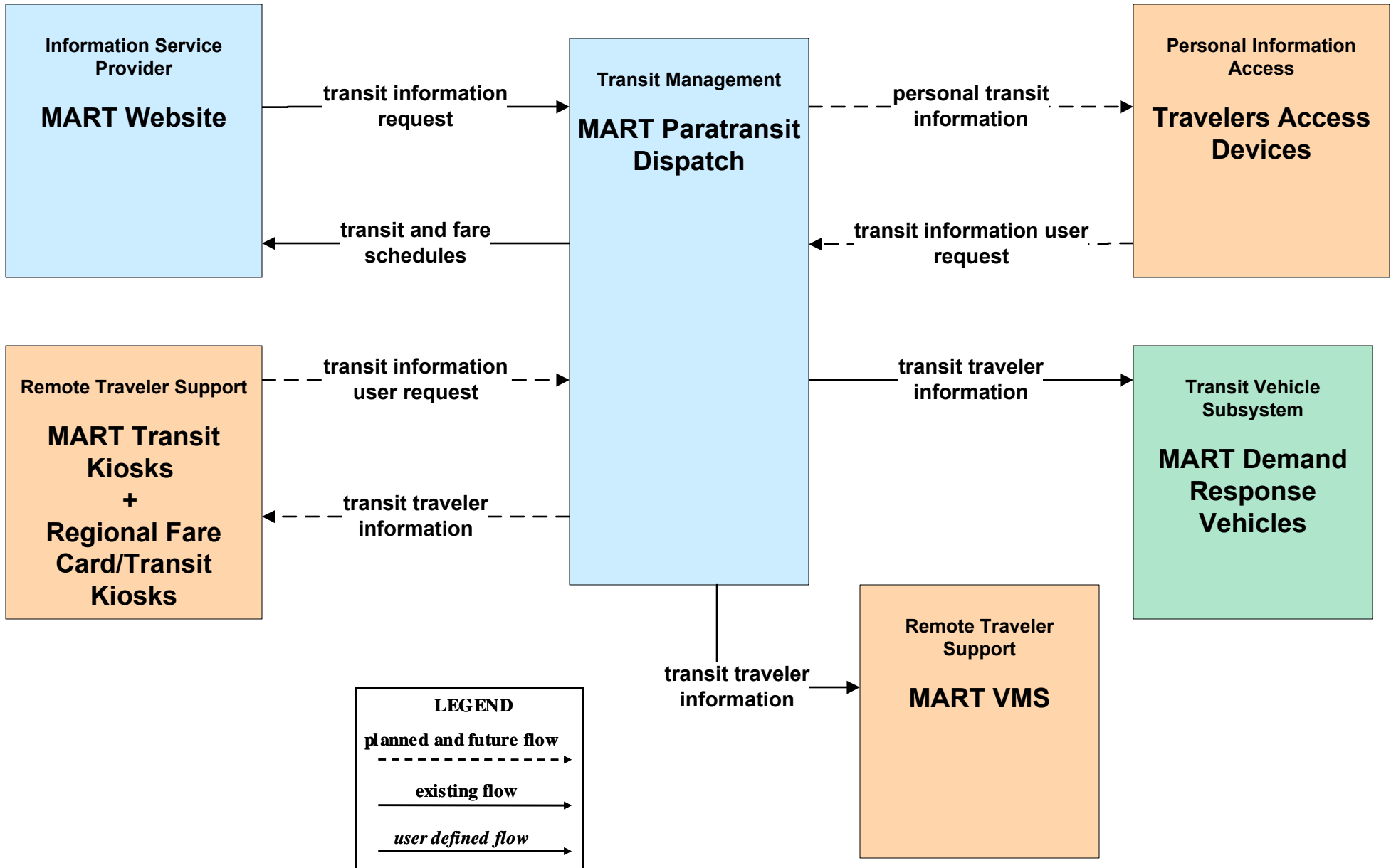




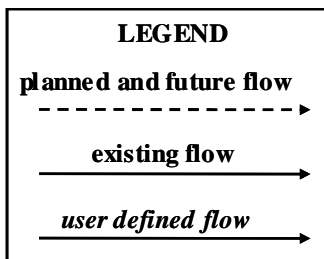
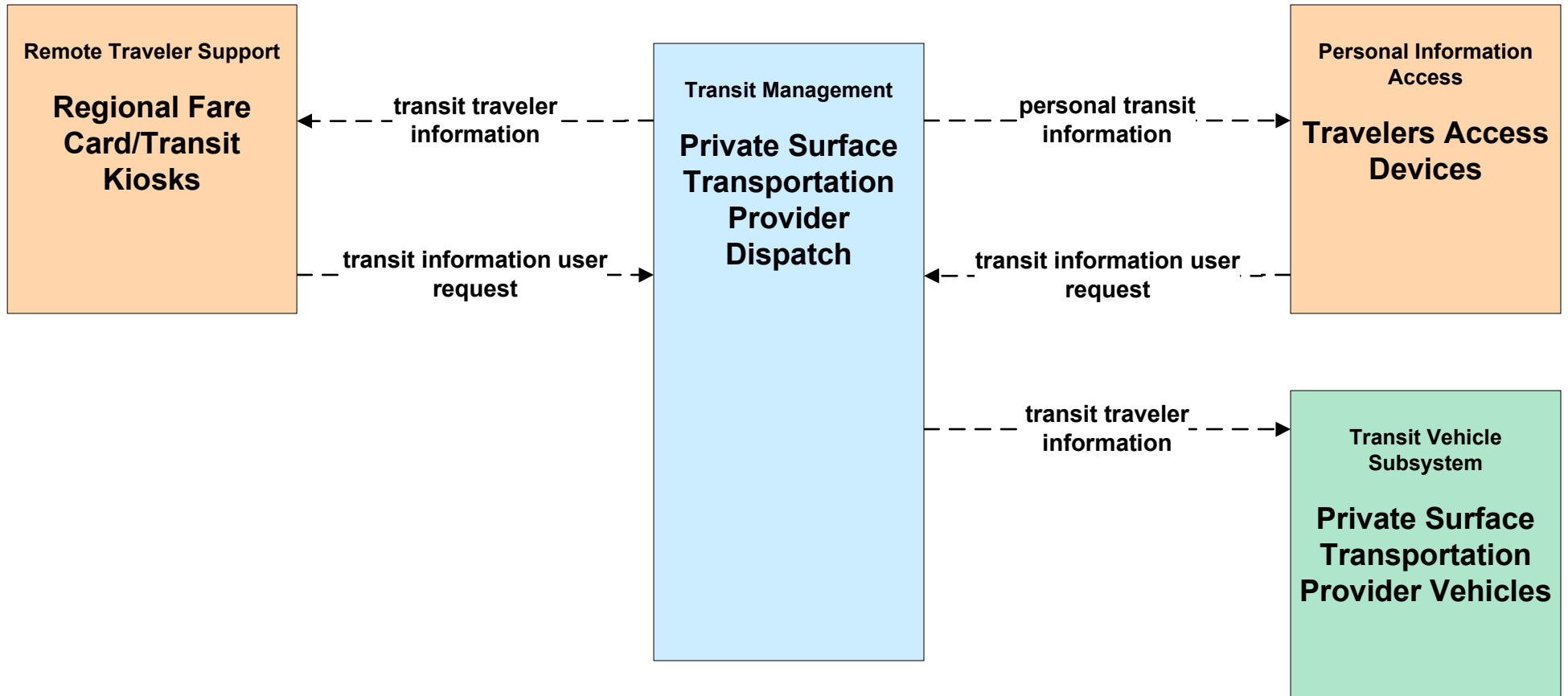
**APTS08 - Transit Traveler Information  
MART (1 of 2)**



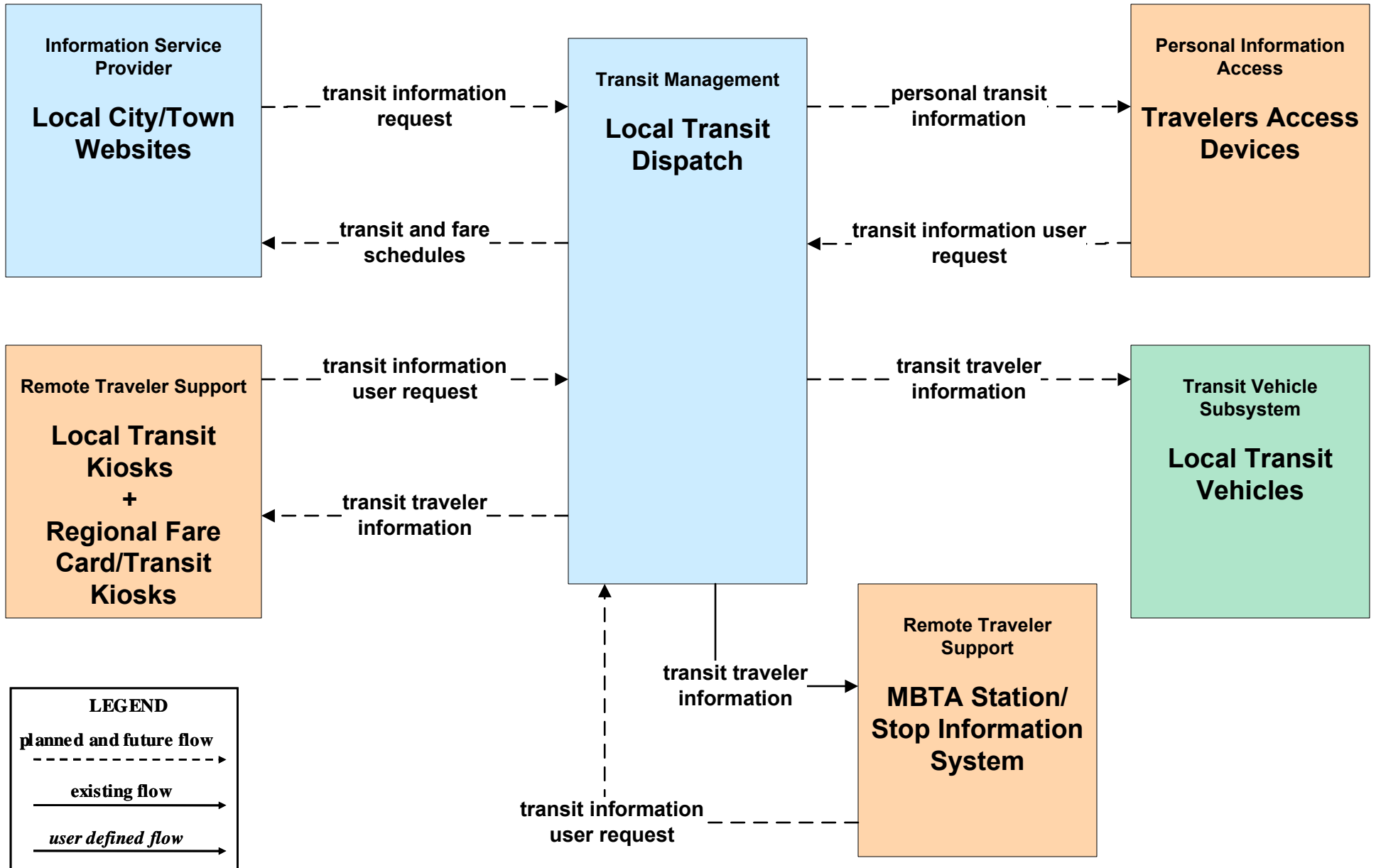
**APTS08 - Transit Traveler Information  
MART (2 of 2)**



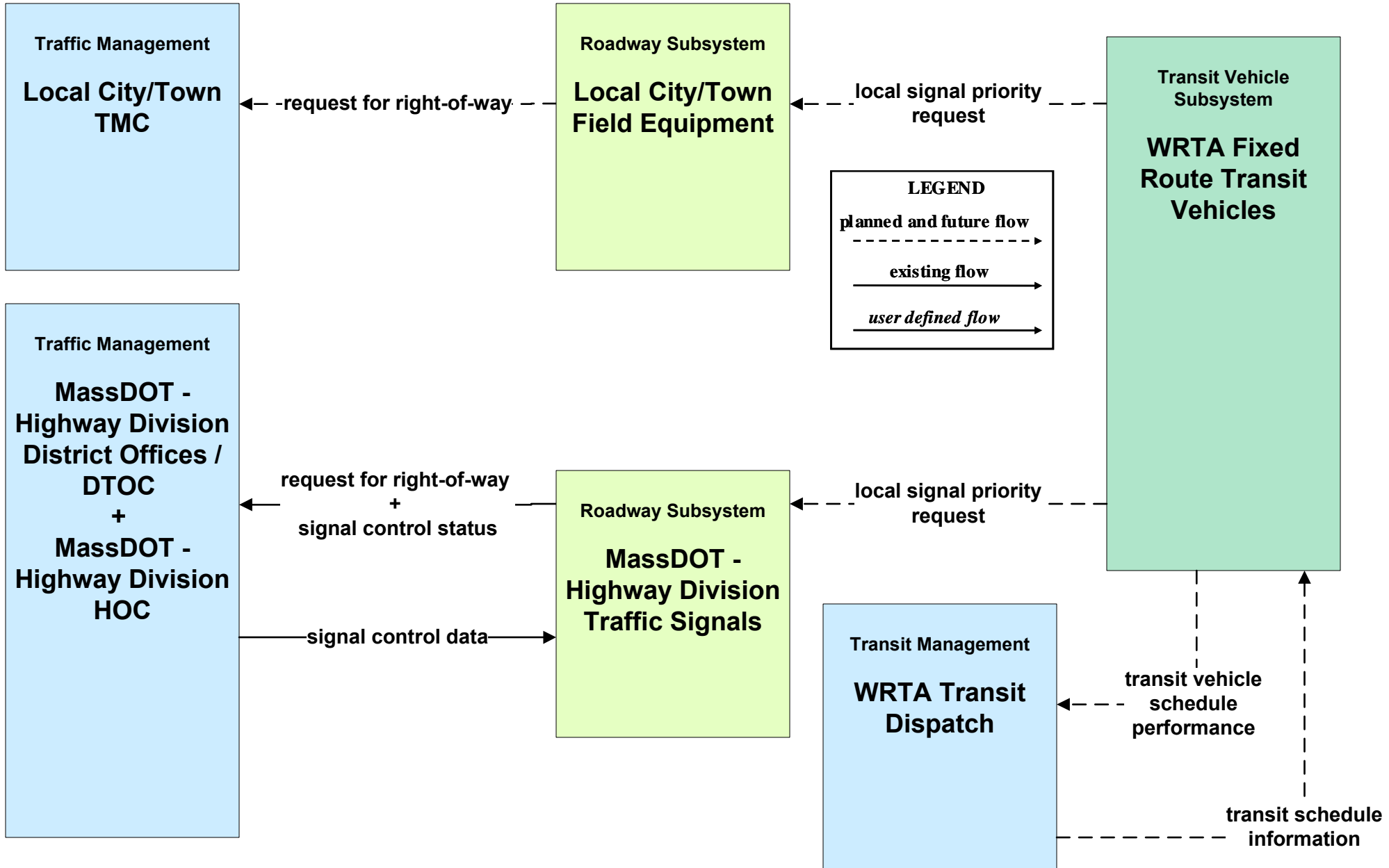
**APTS08 - Transit Traveler Information  
Private Ground Transportation Providers**



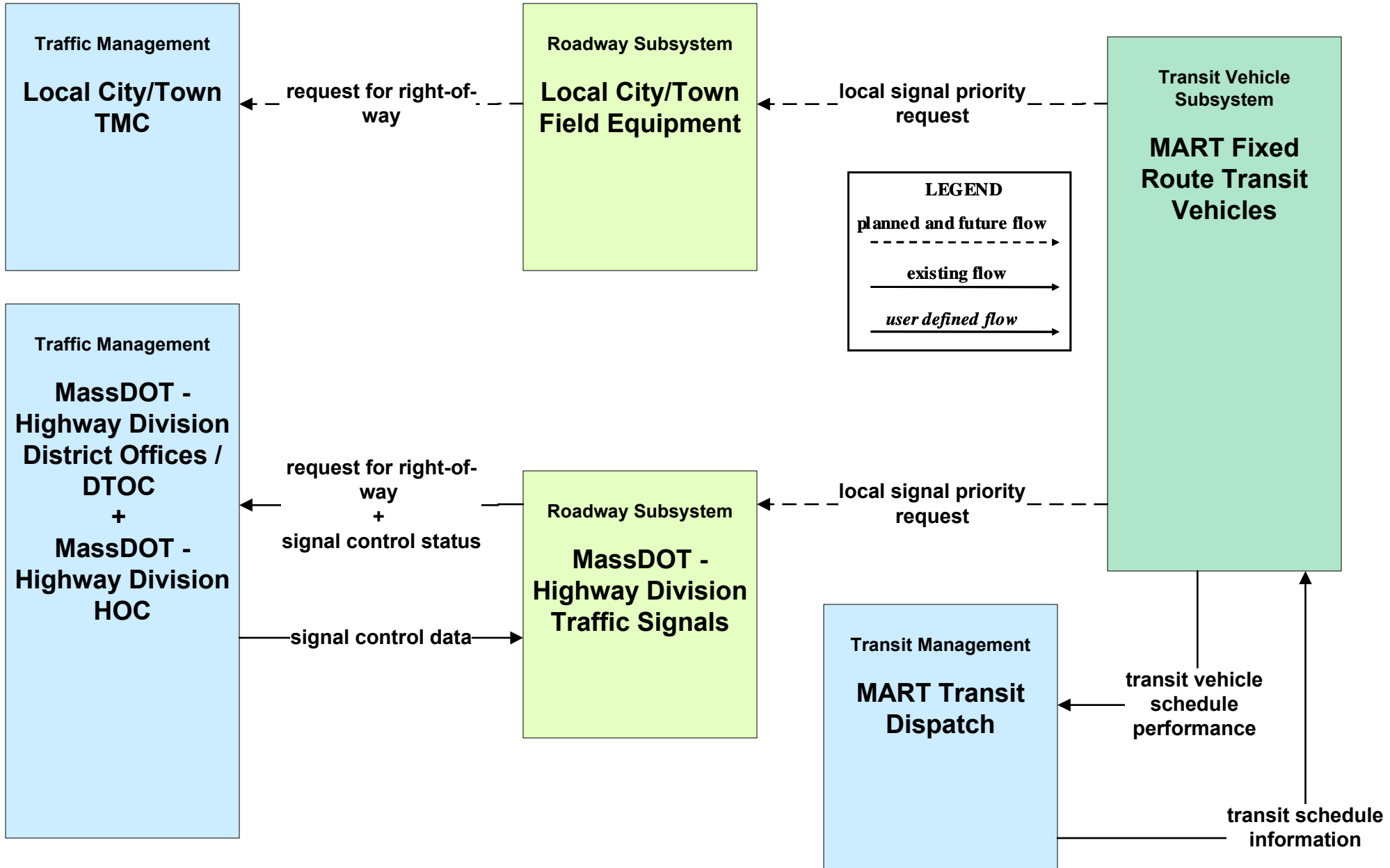
# APTS08 - Transit Traveler Information Local Transit



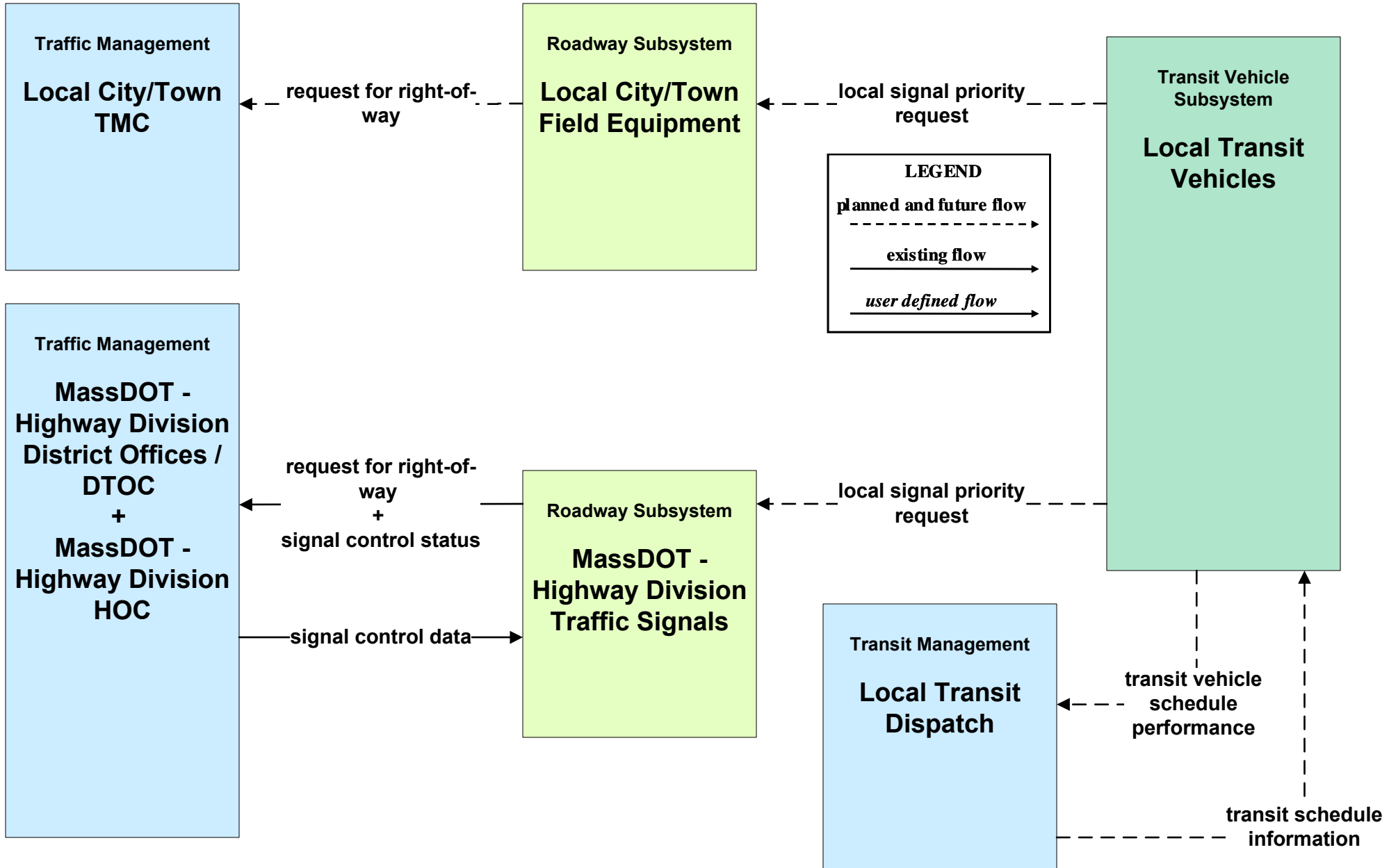
# APTS09 - Transit Signal Priority WRTA



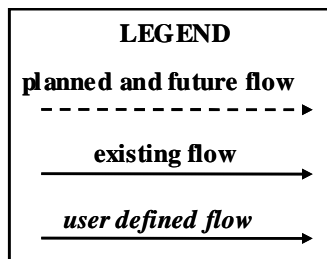
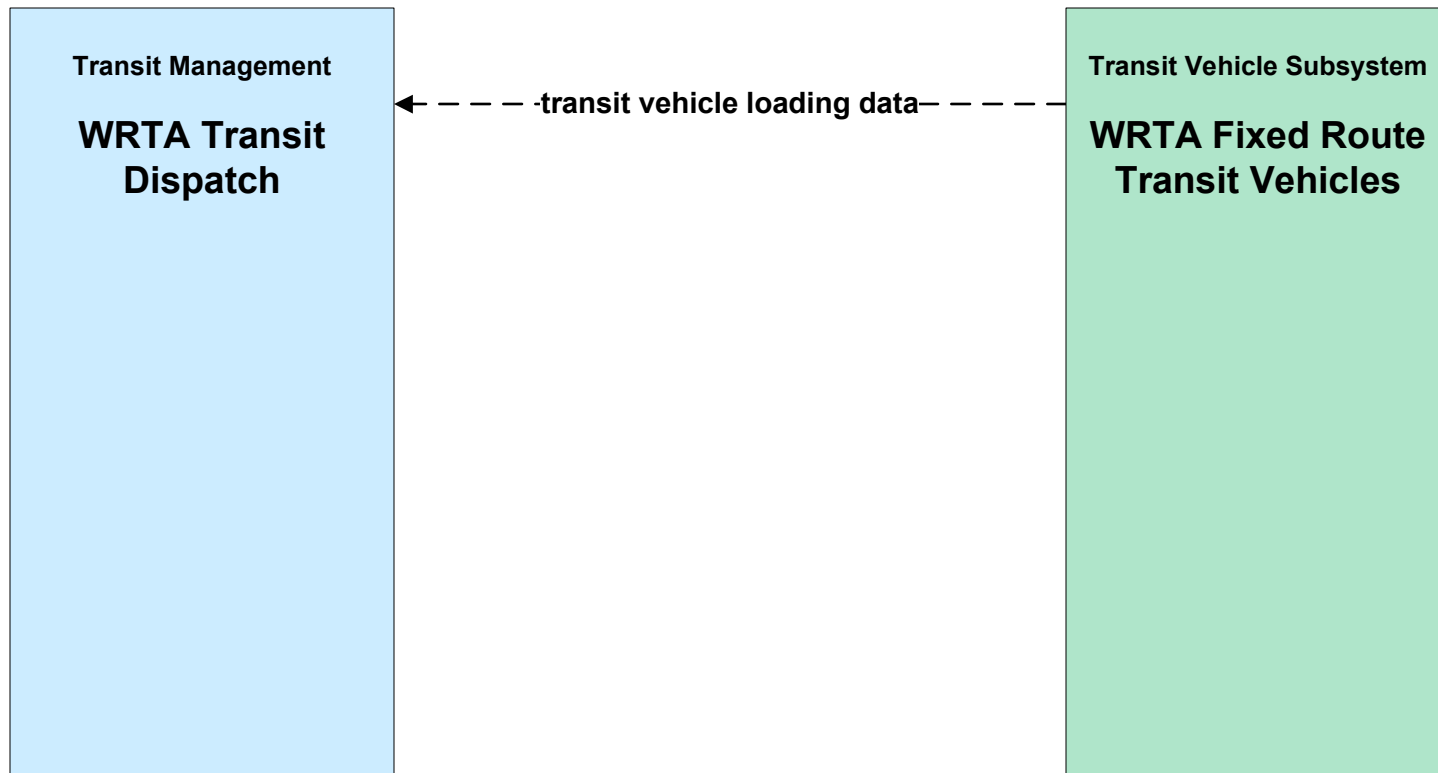
# APTS09 - Transit Signal Priority MART



# APTS09 - Transit Signal Priority Local Transit

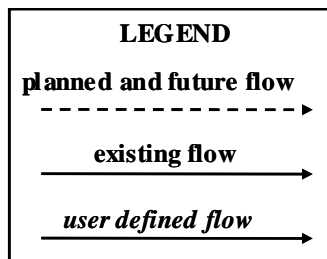
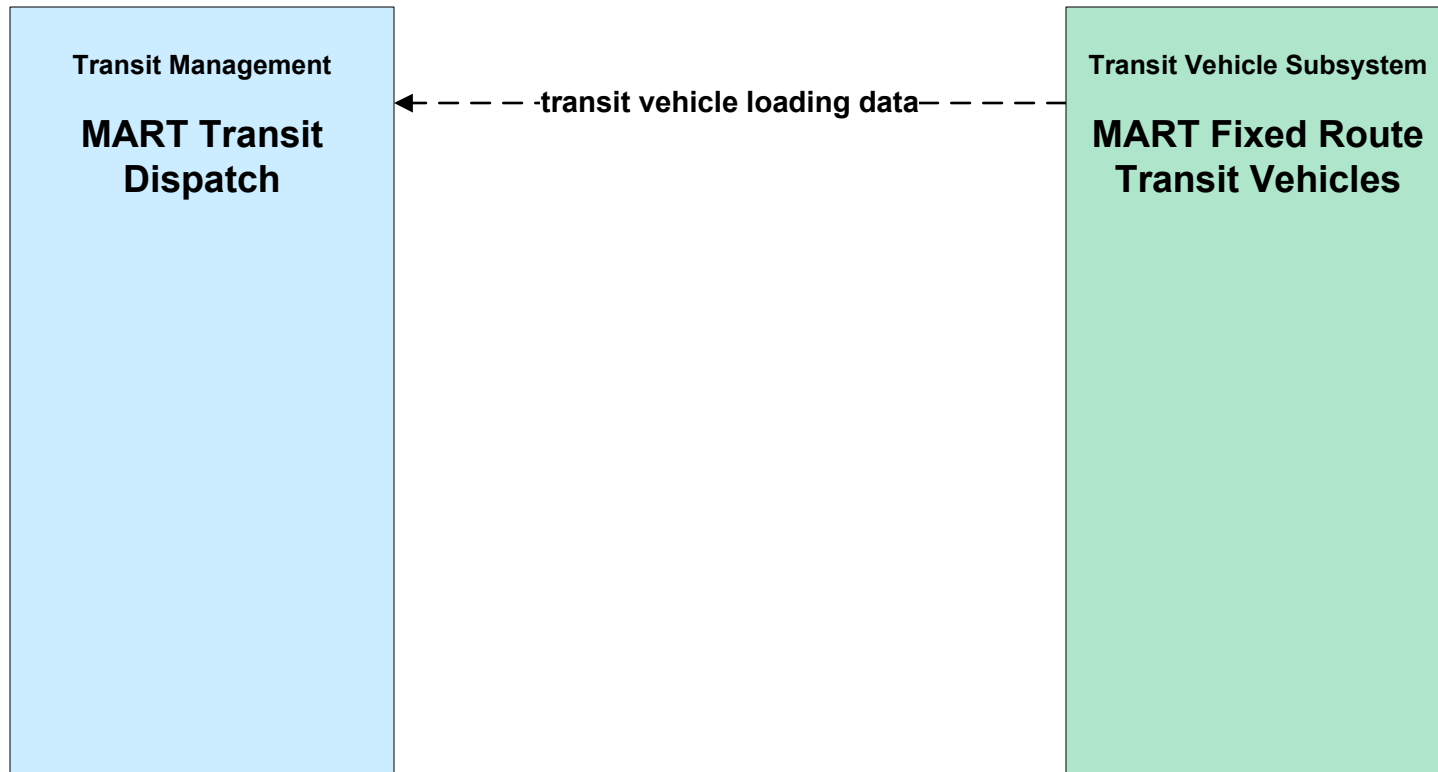


**APTS10 - Automated Passenger Counting  
WRTA**

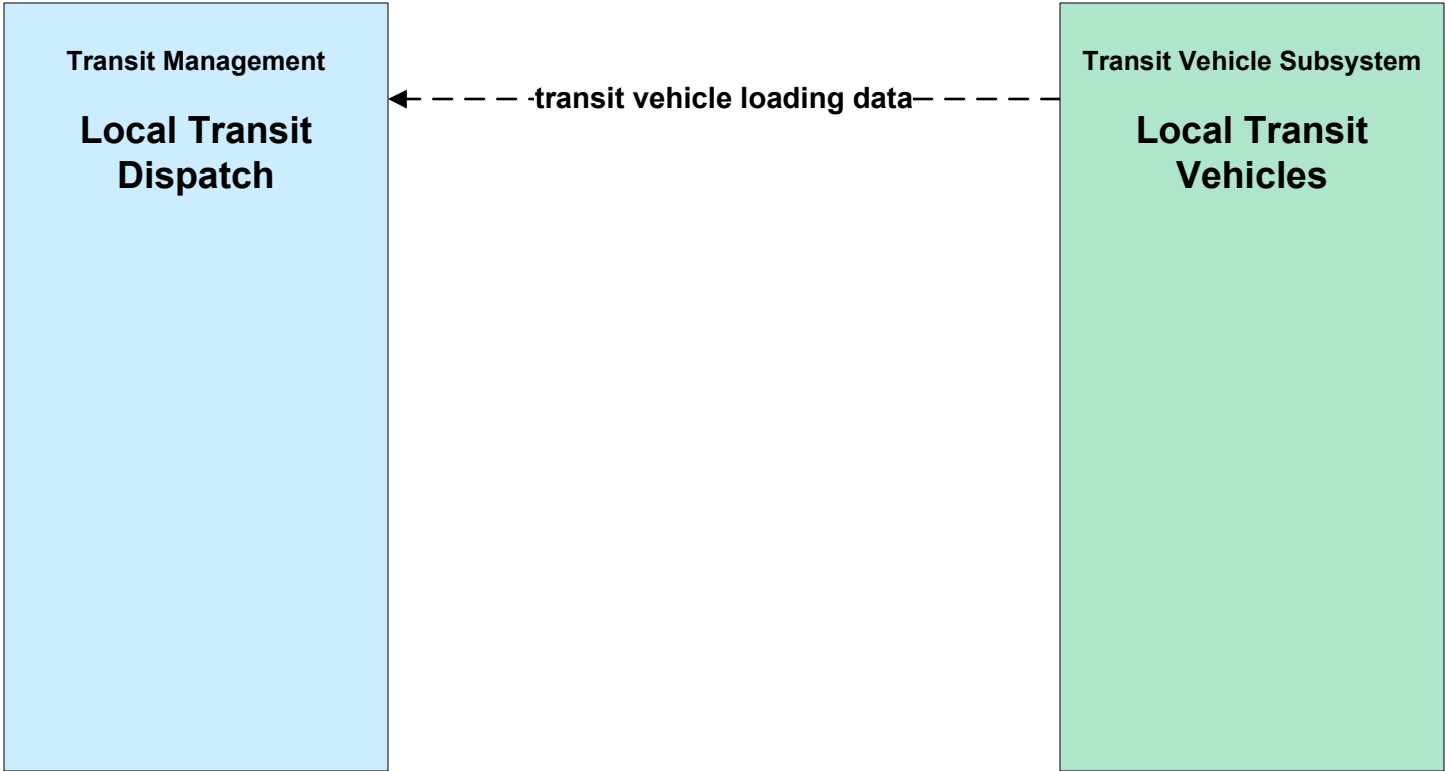




# APTS10 - Automated Passenger Counting MART



**APTS10 - Automated Passenger Counting  
Local Transit**



**LEGEND**

- planned and future flow** (dashed line with arrow)
- existing flow** (solid line with arrow)
- user defined flow** (solid line with arrow)