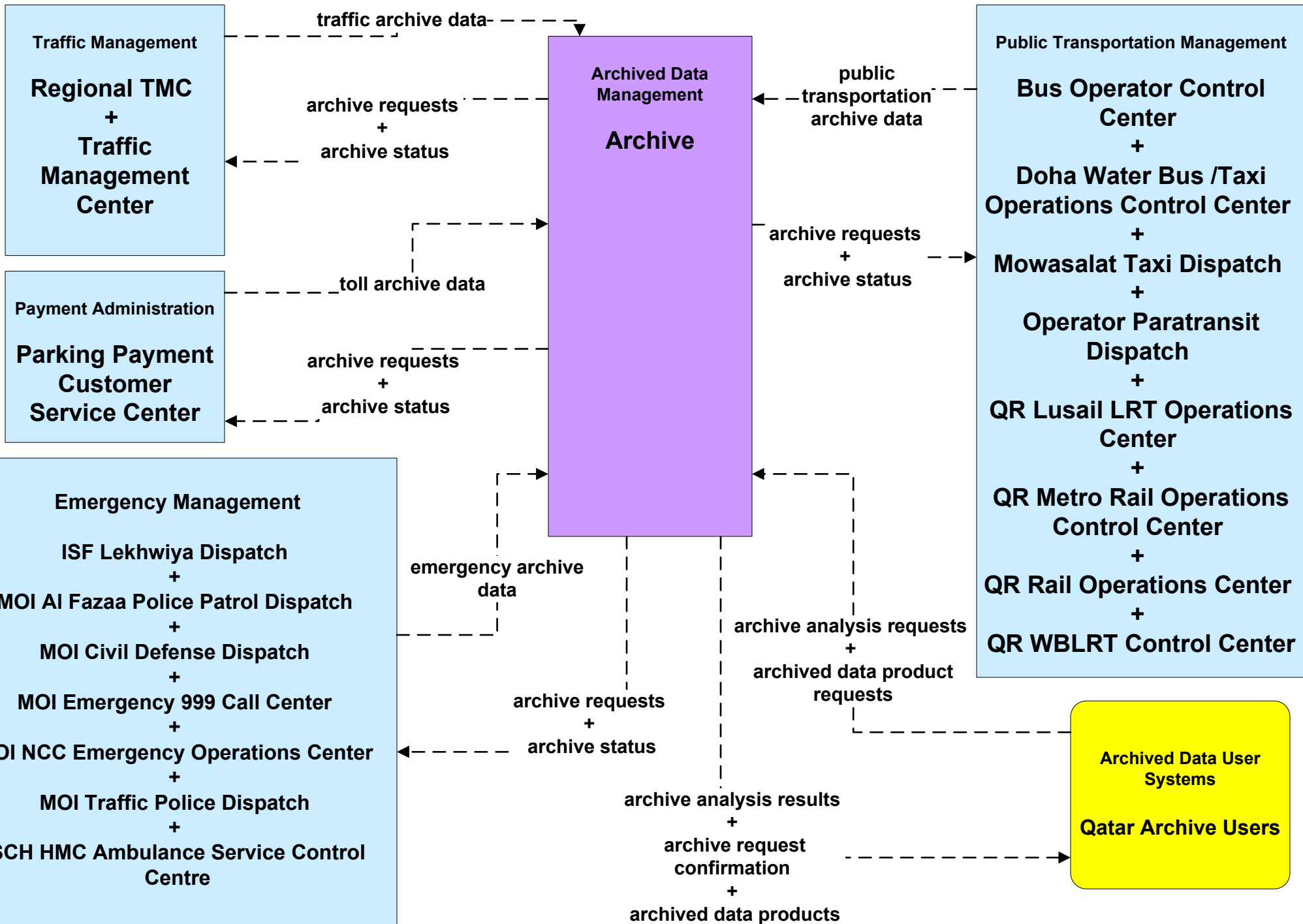
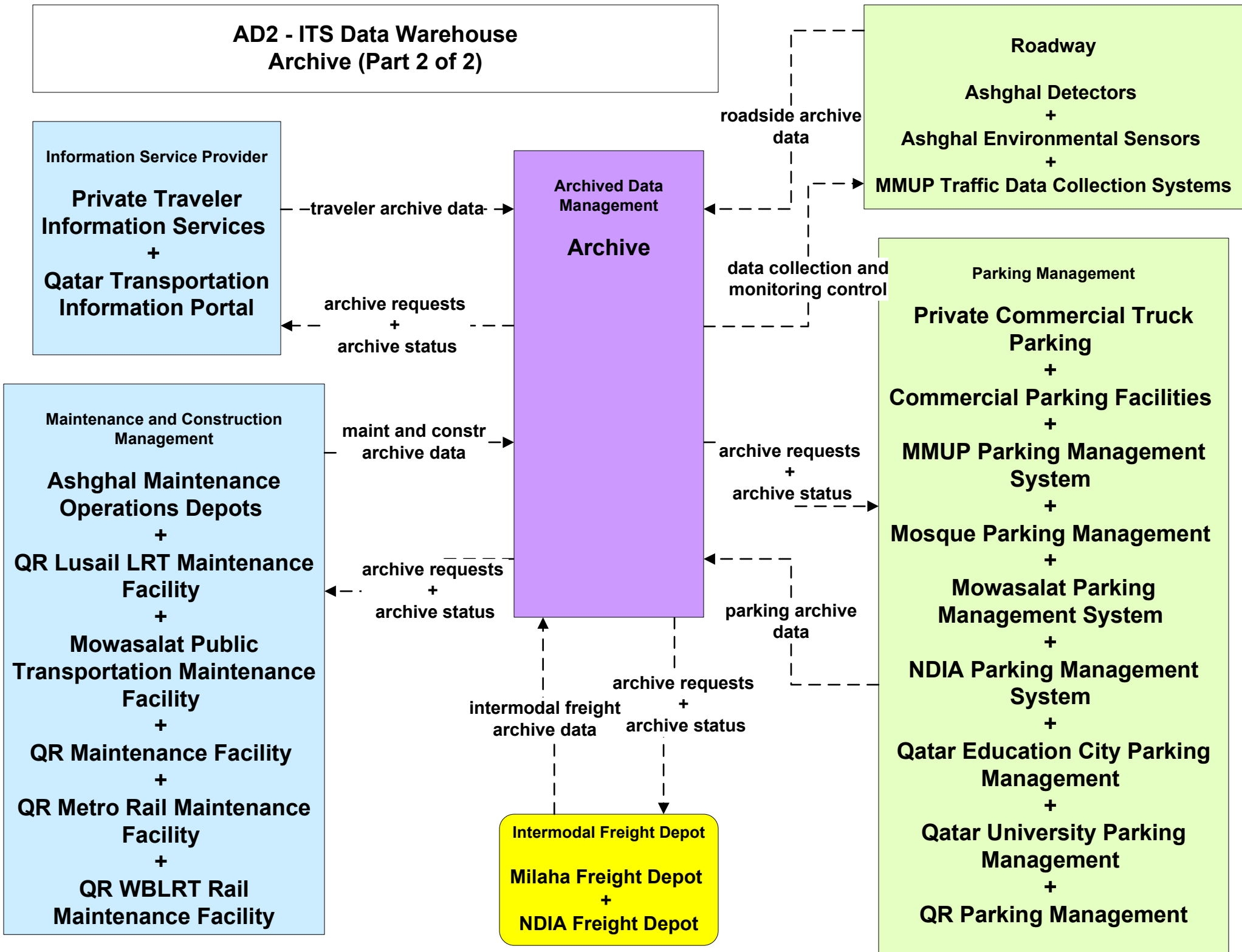
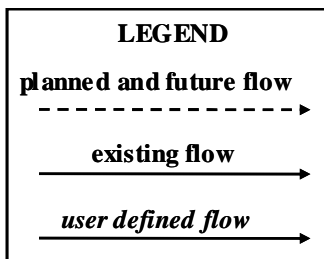
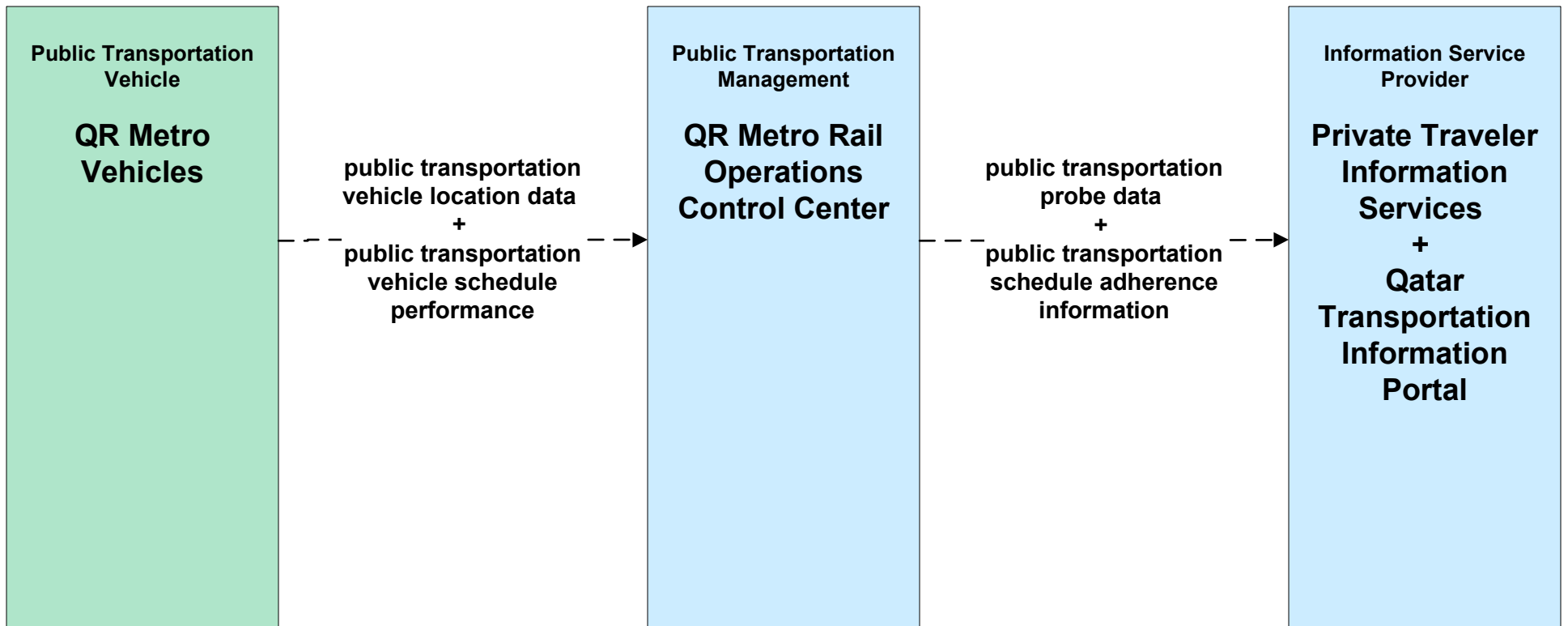


AD2 - ITS Data Warehouse Archive (Part 1 of 2)

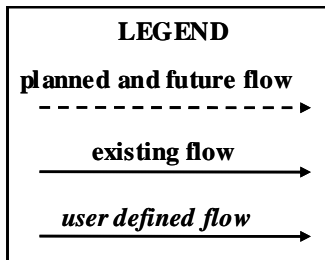
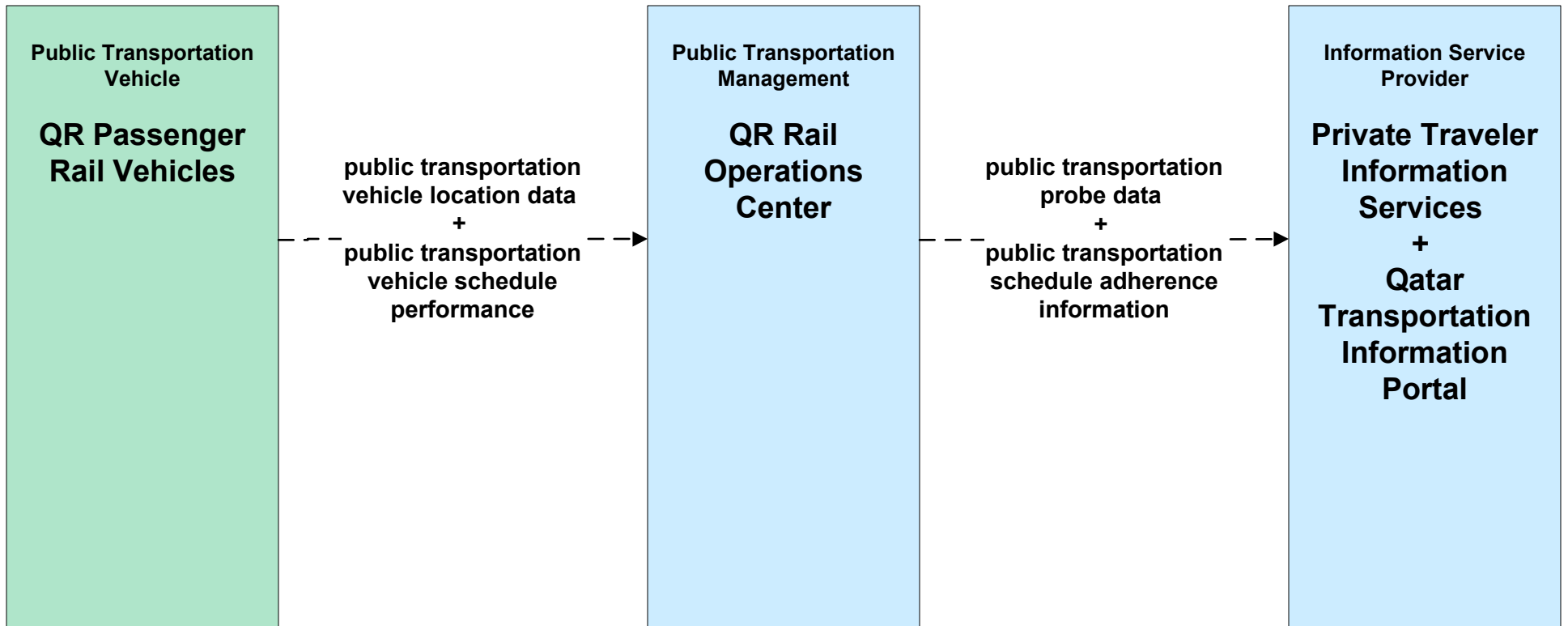




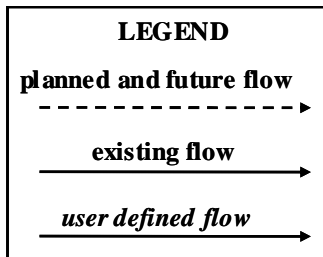
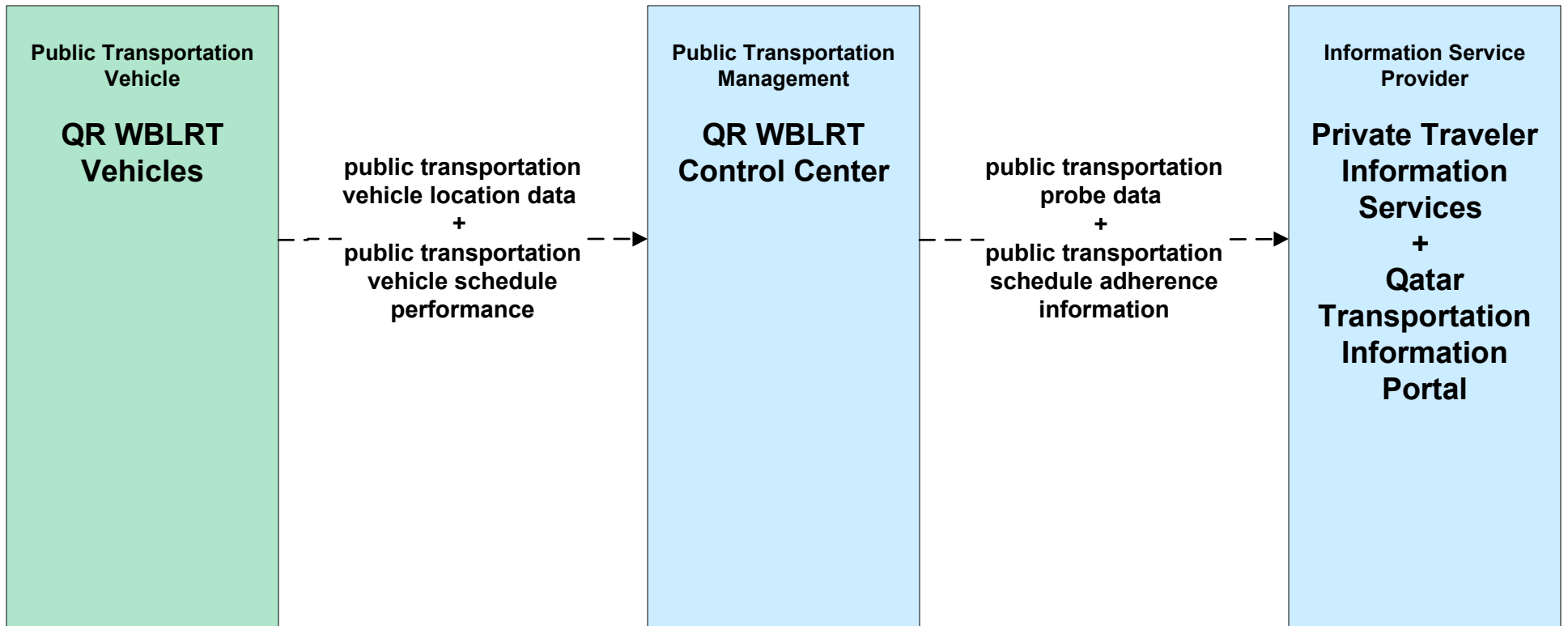
APTS01 - Public Transportation Vehicle Tracking Doha Metro



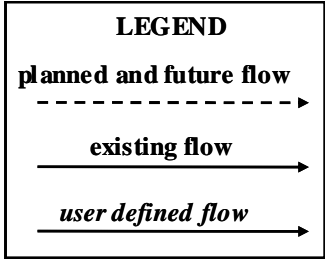
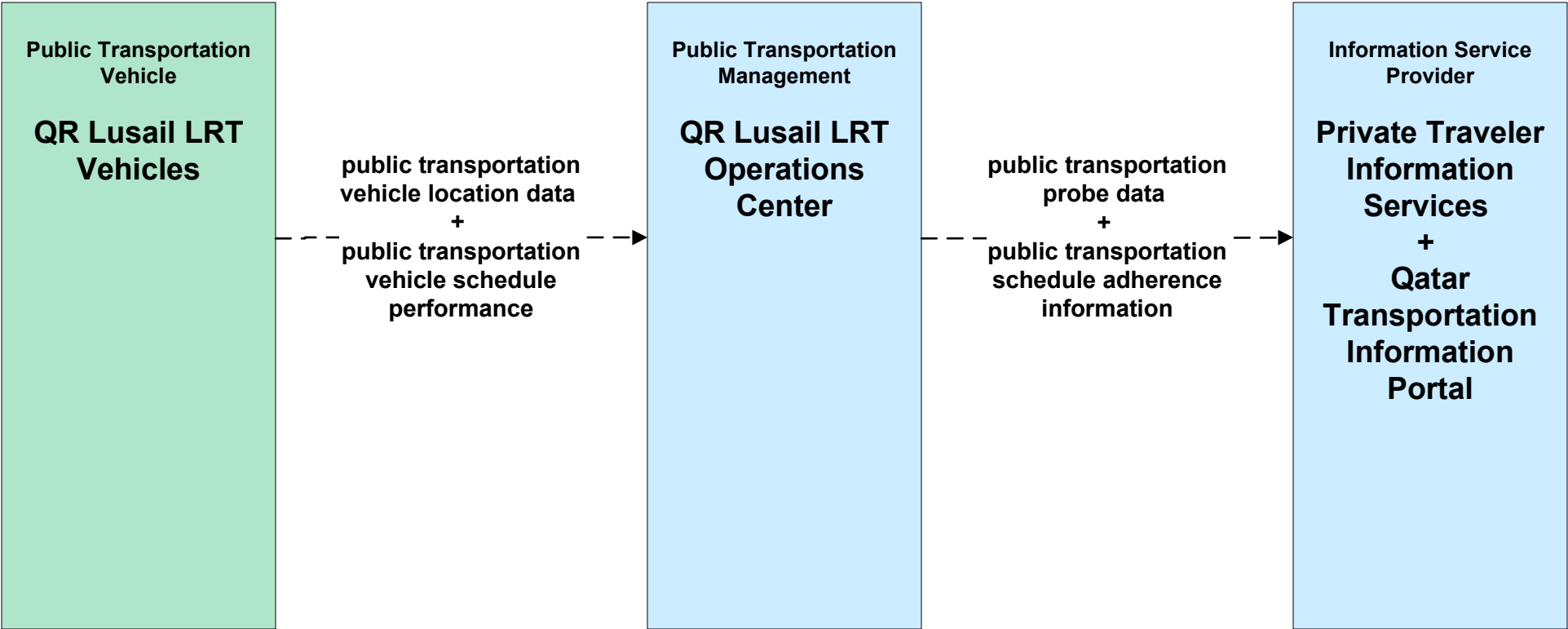
**APTS01 - Public Transportation Vehicle Tracking
Qatar Railways Passenger Rail**



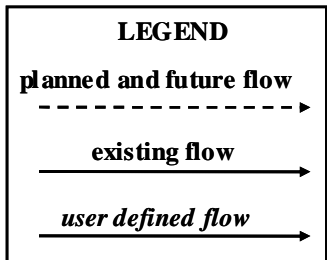
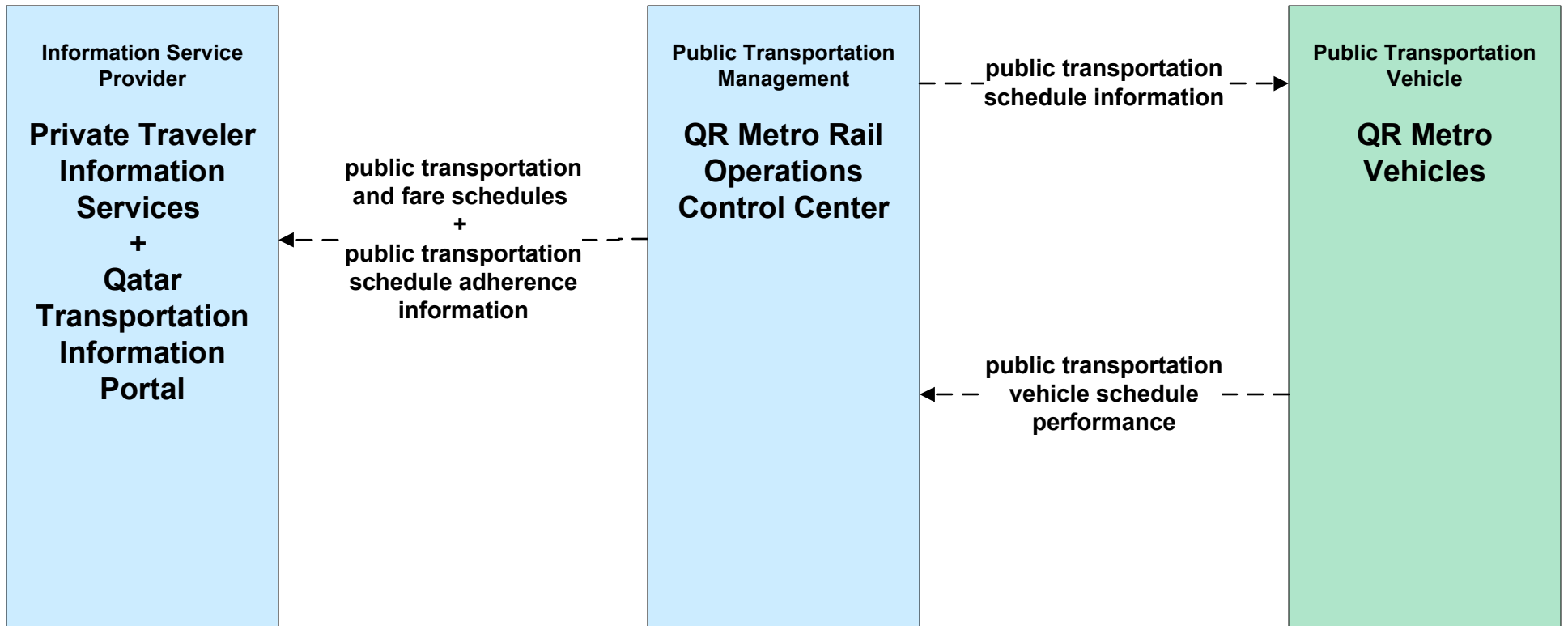
APTS01 - Public Transportation Vehicle Tracking West Bay LRT



**APTS01 - Public Transportation Vehicle Tracking
Lusail LRT**



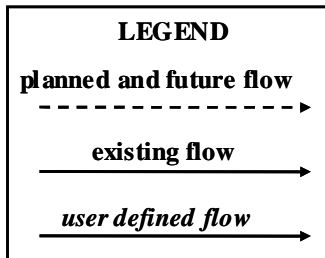
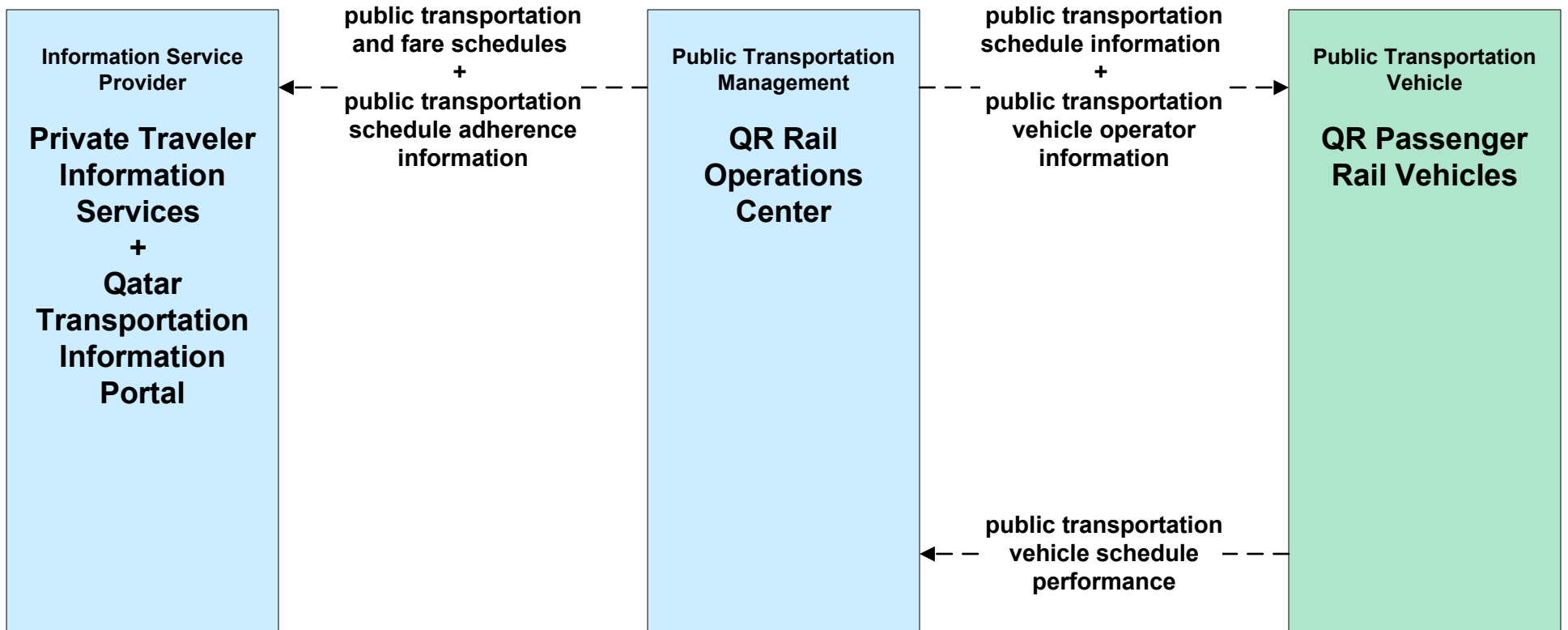
APTS02 - Public Transportation Fixed-Route Operations QR Metro Rail Operations Control Center



If no passengers are at a station (have tapped in) and if no passengers onboard have called for a stop, and if the vehicle is behind schedule, a stop should be able to be skipped.

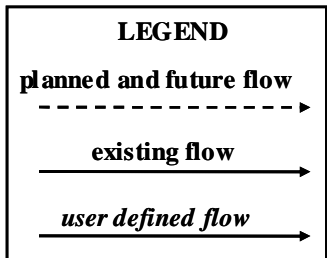
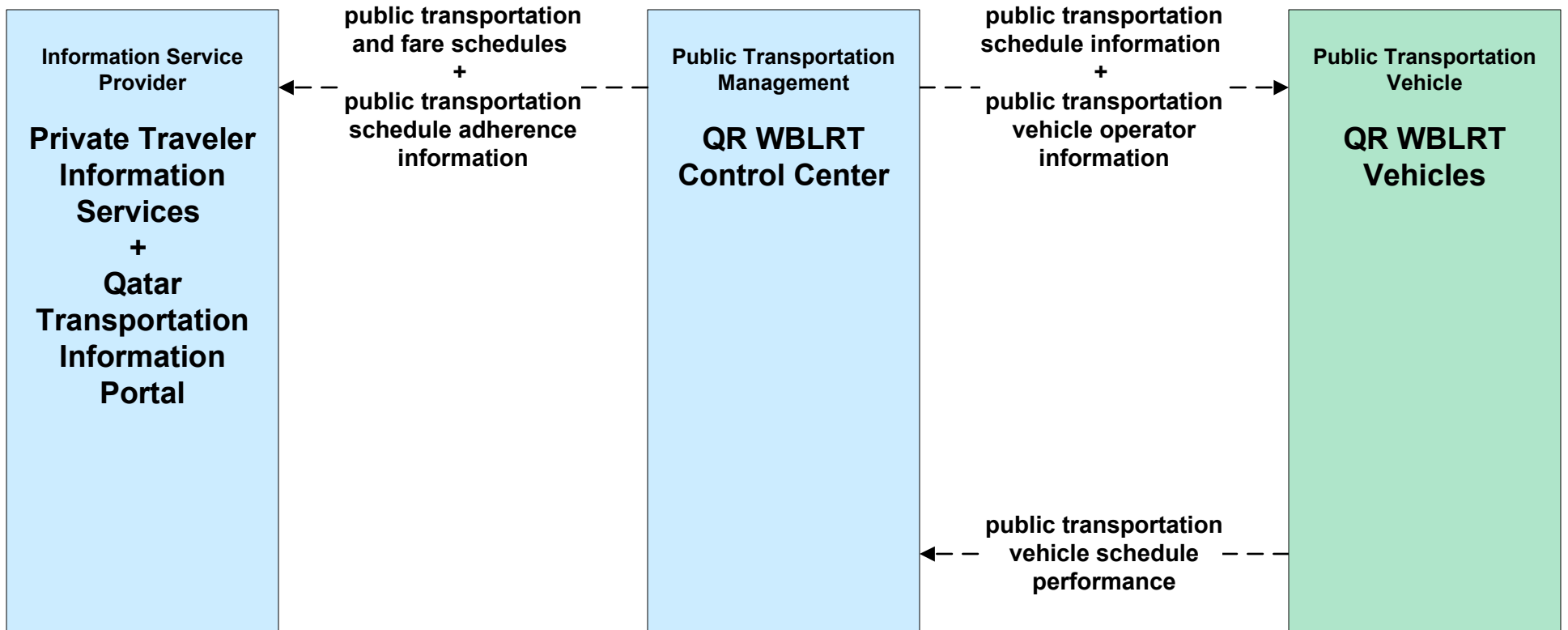
No Driver Expected on Metro (different on the LRTs)

APTS02 - Public Transportation Fixed-Route Operations Qatar Passenger Rail



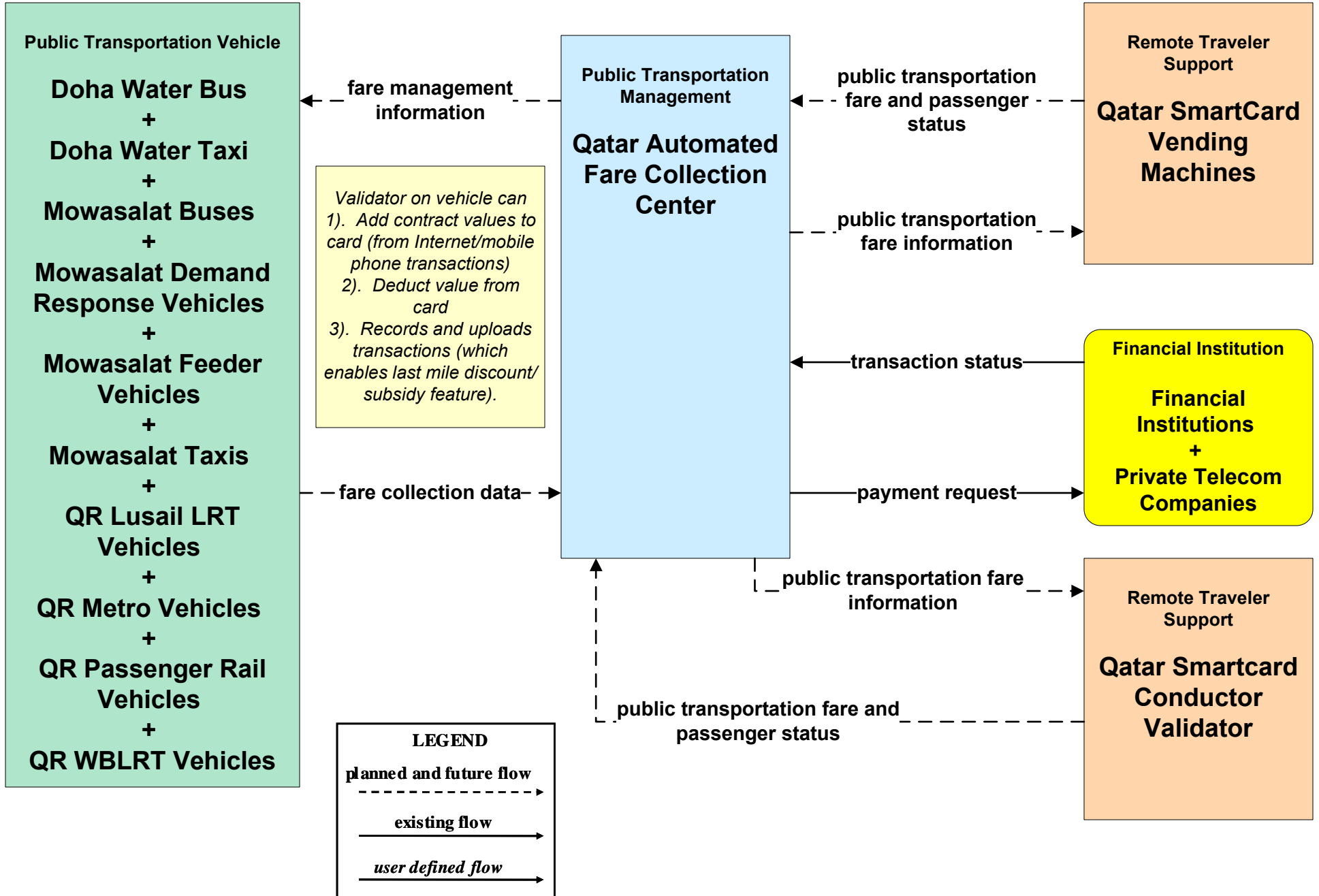
If no passengers are at a station (have tapped in) and if no passengers onboard have called for a stop, and if the vehicle is behind schedule, a stop should be able to be skipped.

APTS02 - Public Transportation Fixed-Route Operations WBLRT

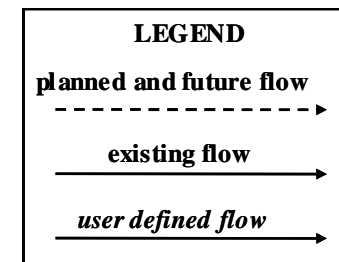
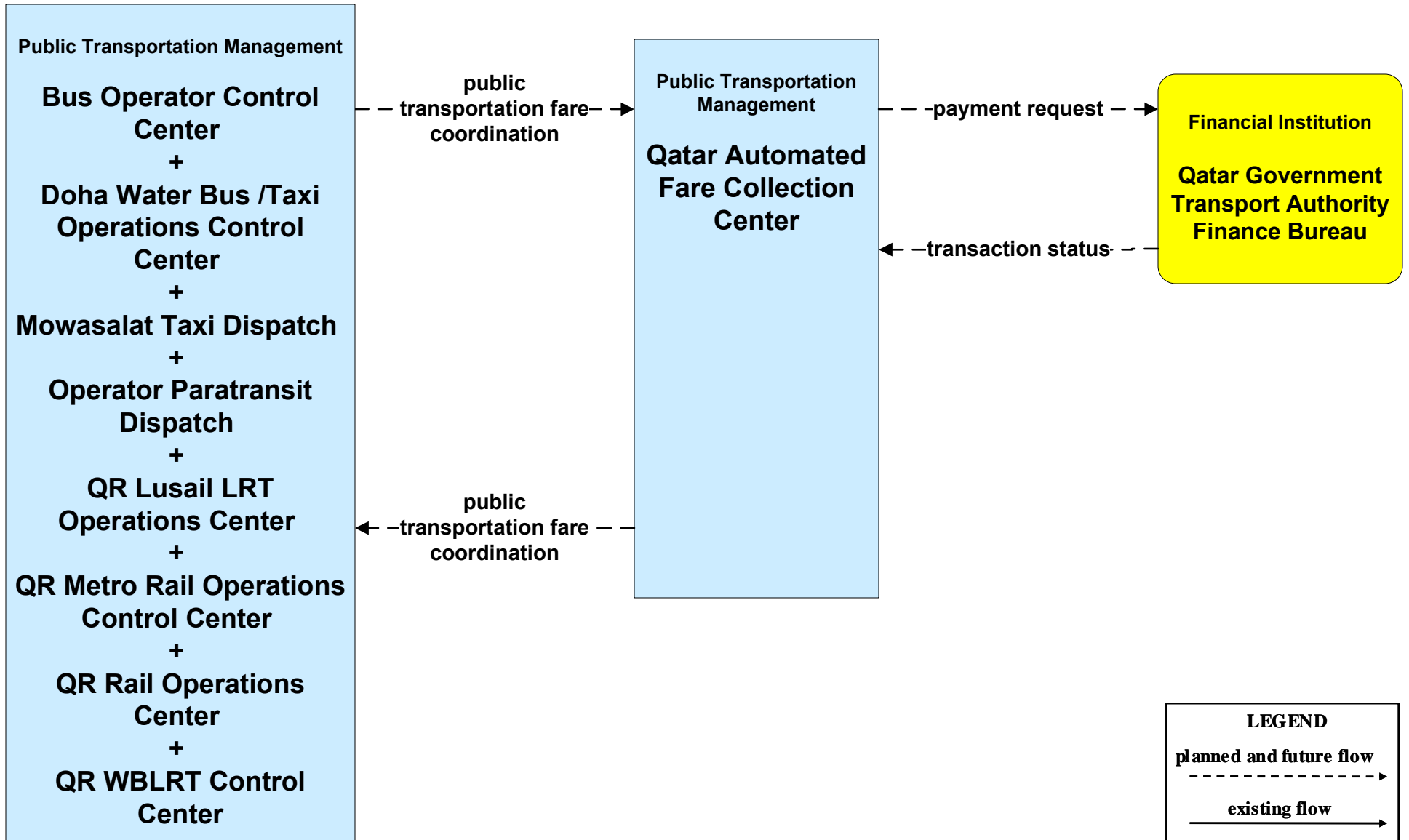


If no passengers are at a station (have tapped in) and if no passengers onboard have called for a stop, and if the vehicle is behind schedule, a stop should be able to be skipped.

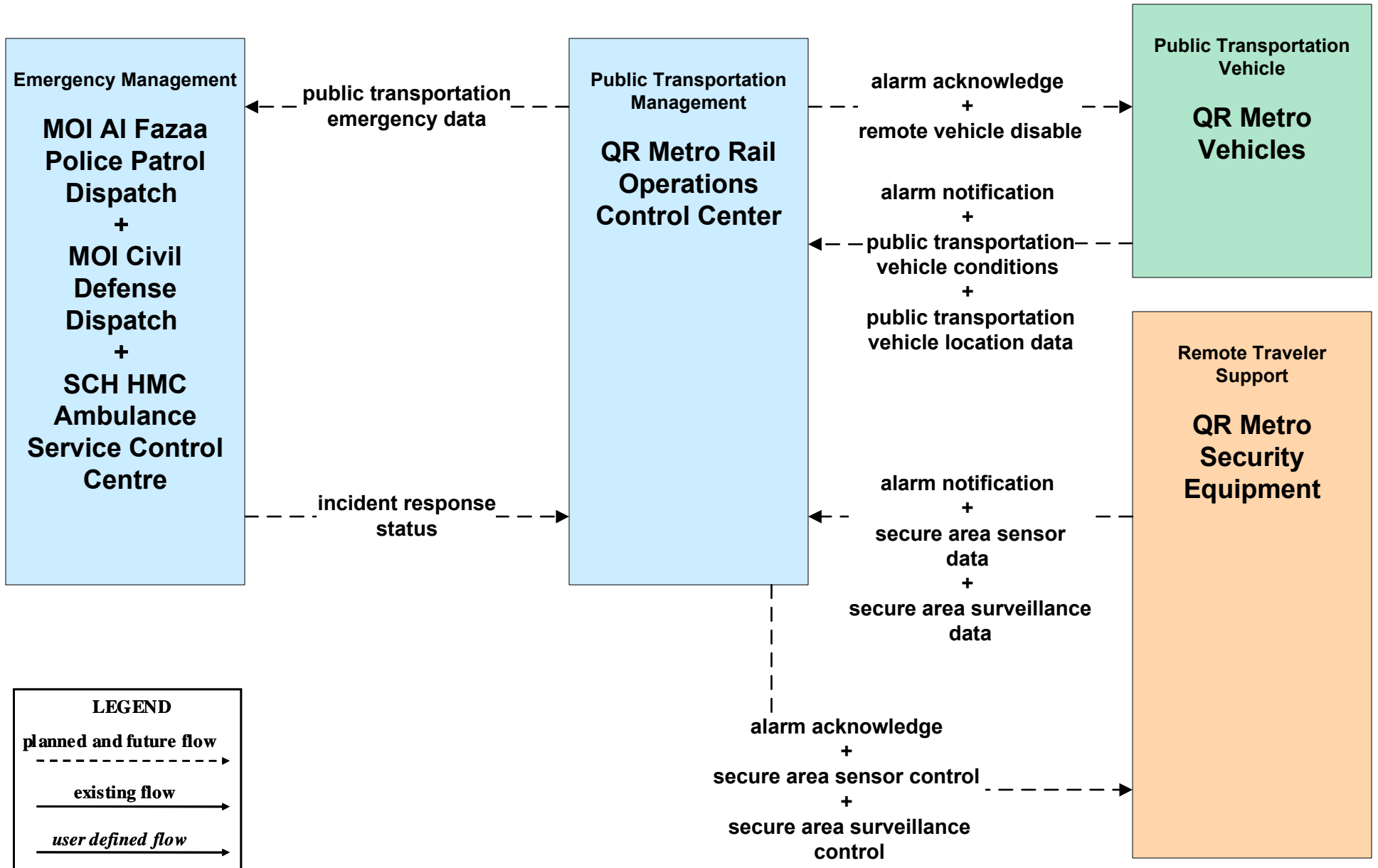
APTS04 - Public Transportation Passenger and Fare Payment Qatar SmartCard System



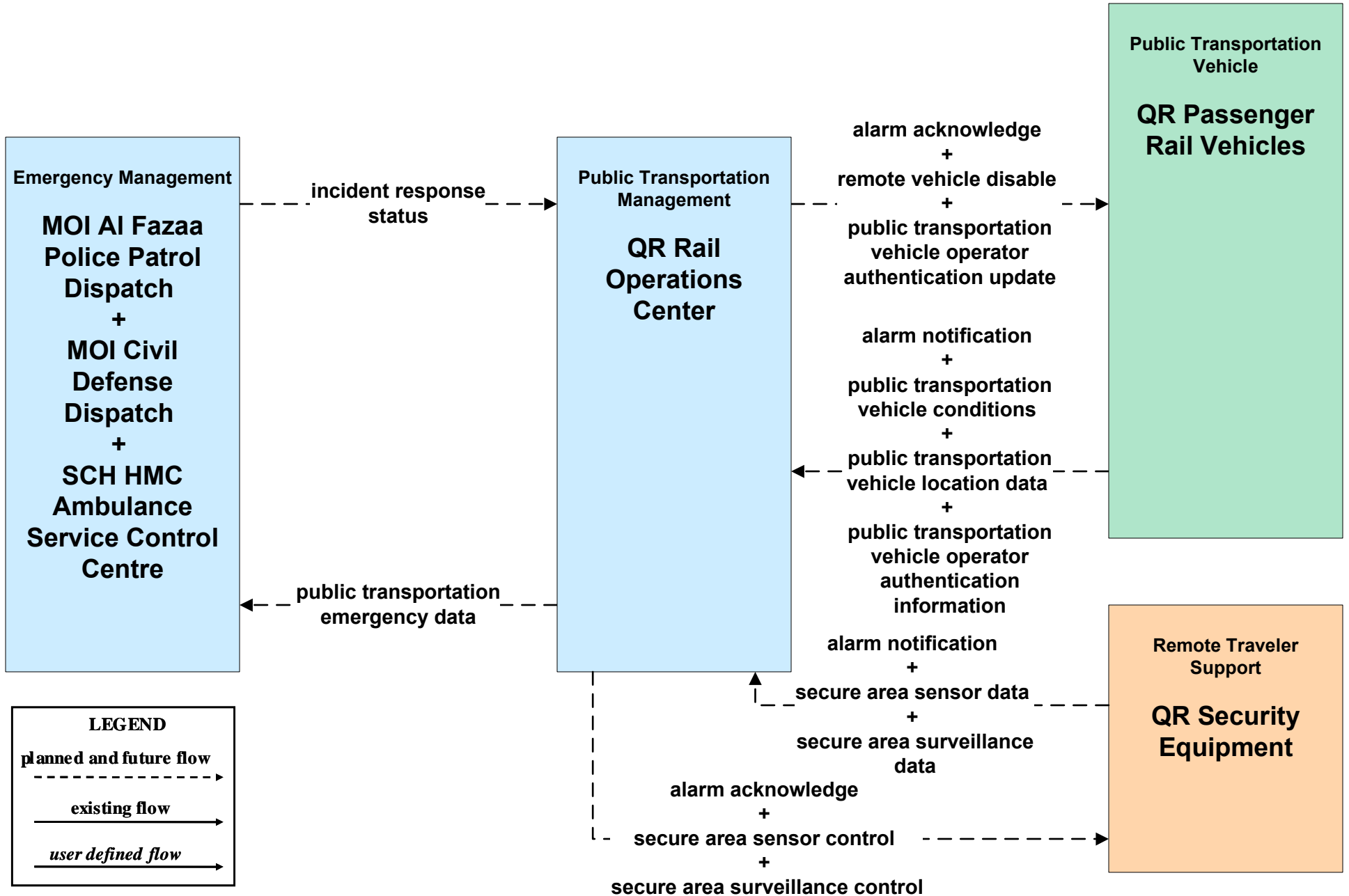
**APTS04 - Public Transportation Passenger and Fare Payment
Public Transportation Fare Coordination**



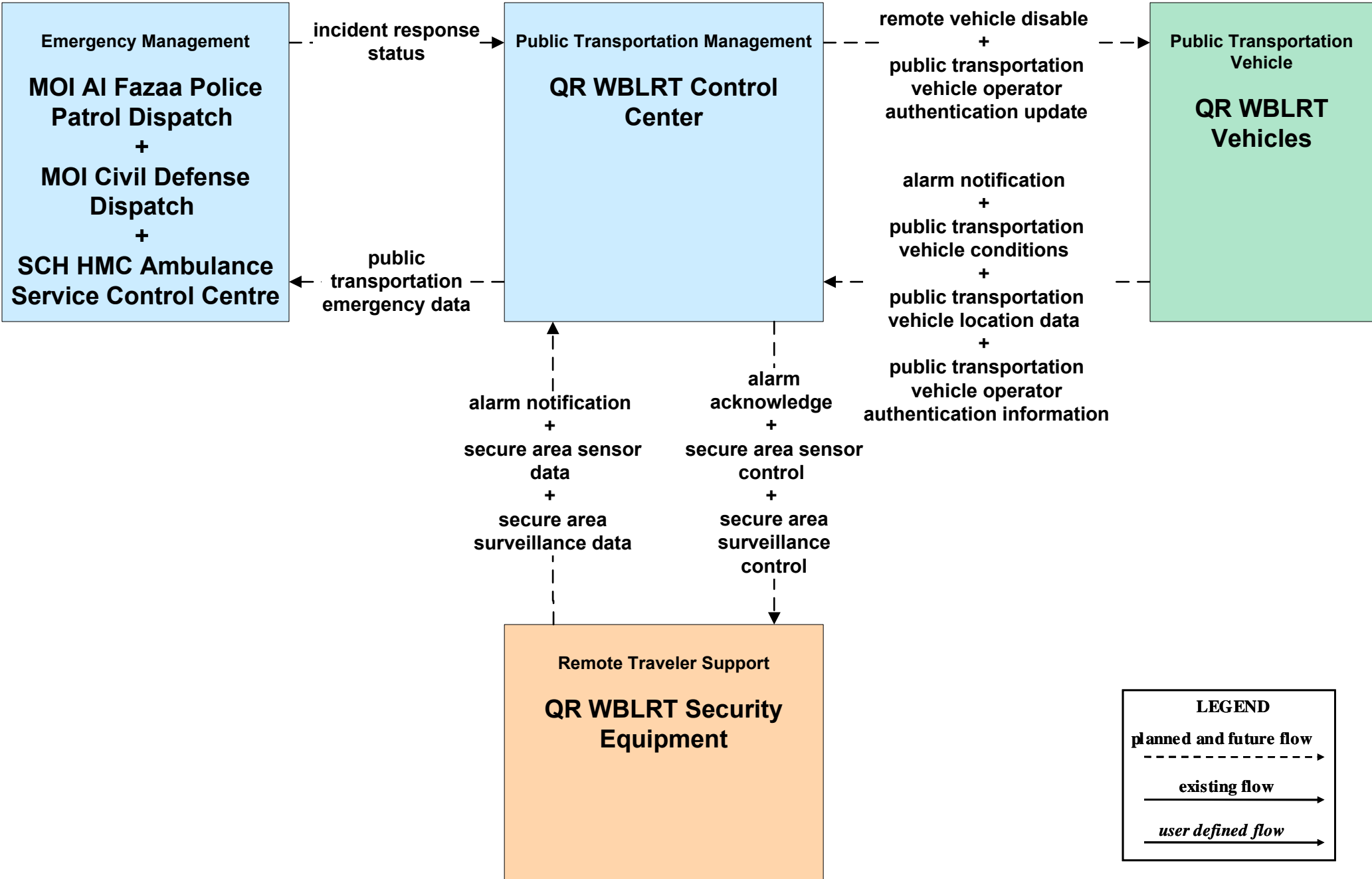
APTS05 - Public Transportation Security Doha Metro



APTS05 - Public Transportation Security Qatar Railways



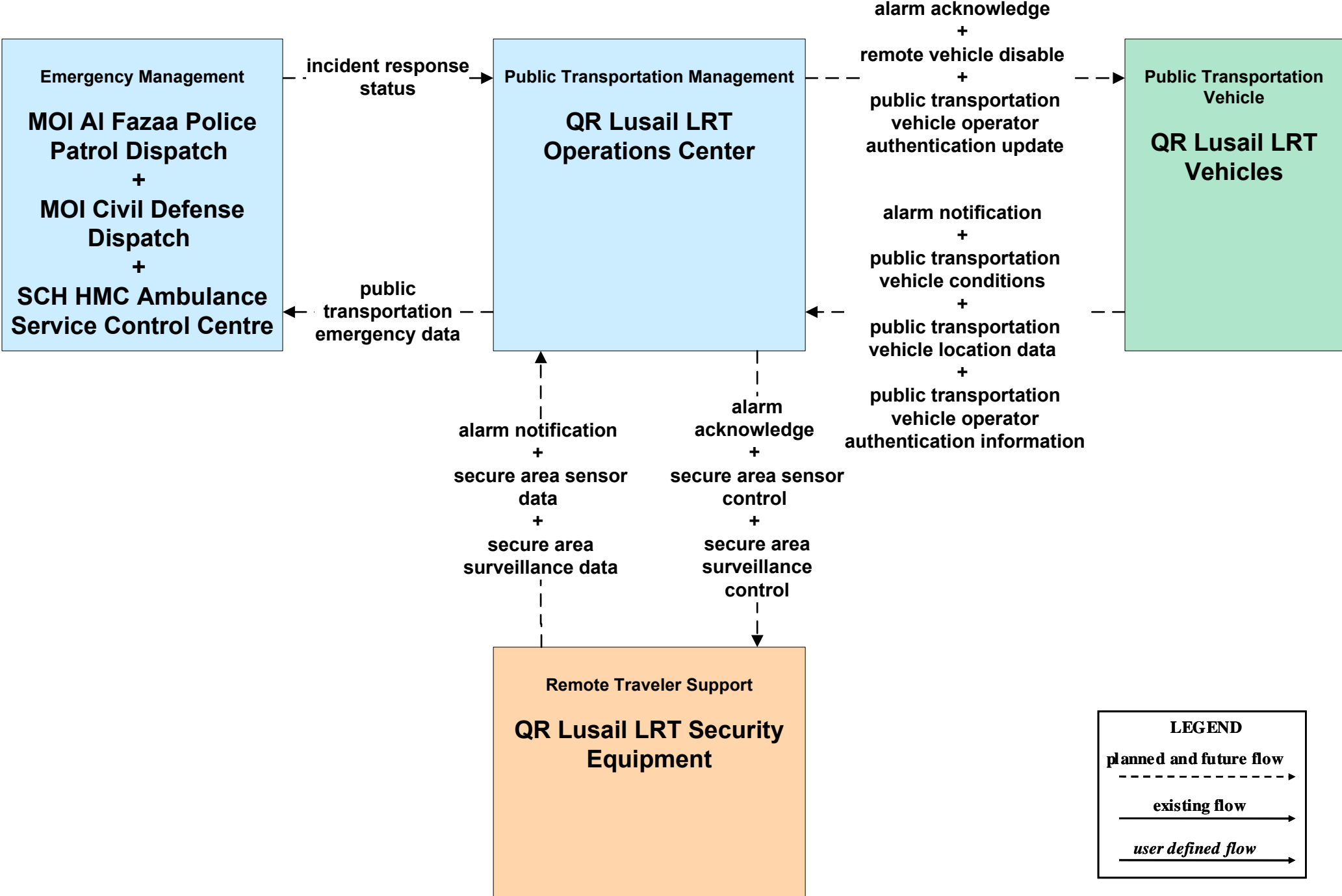
**APTS05 - Public Transportation Security
WBLRT (West Bay LRT)**



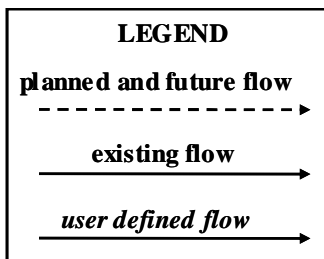
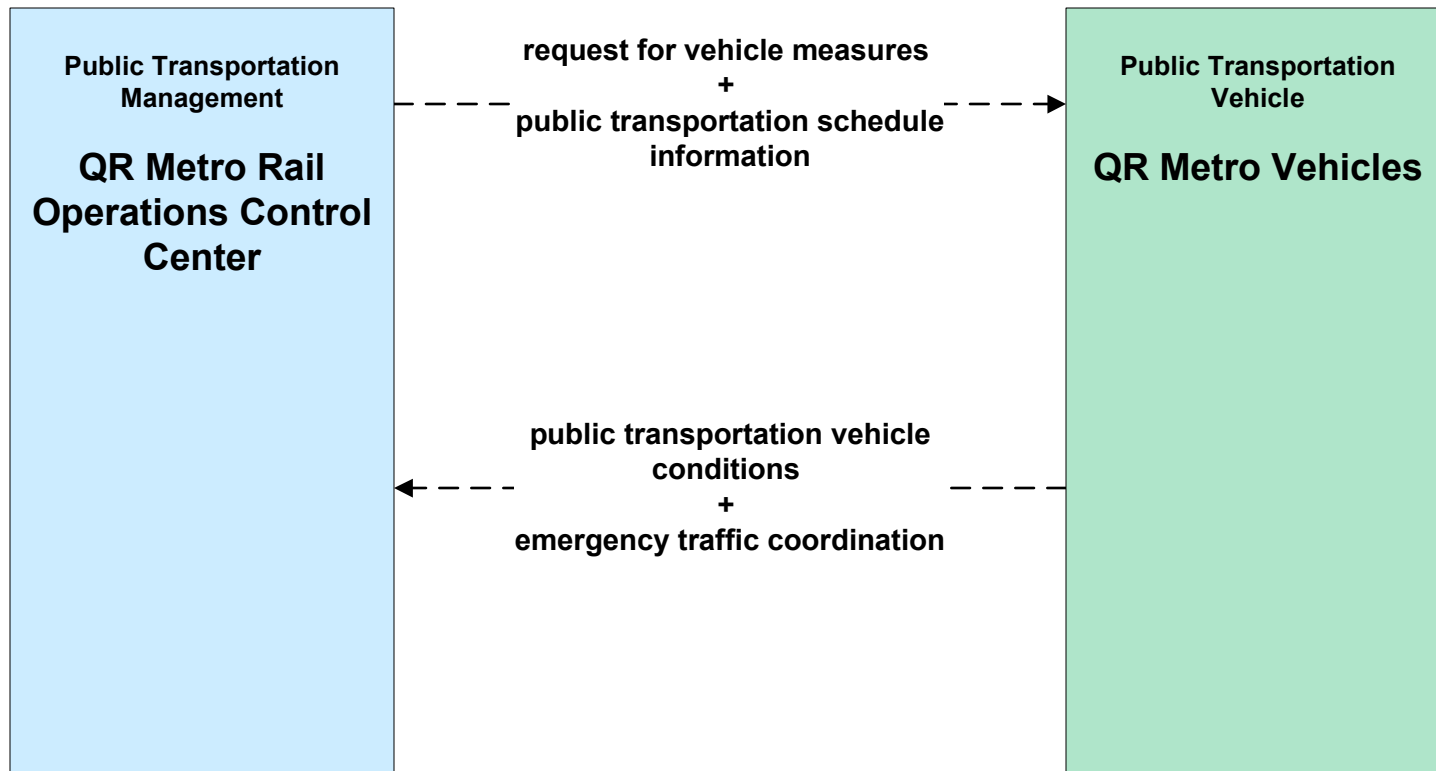
LEGEND

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

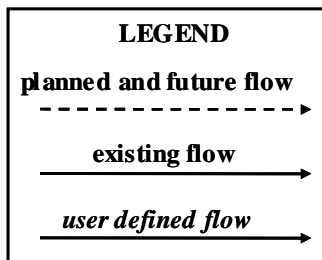
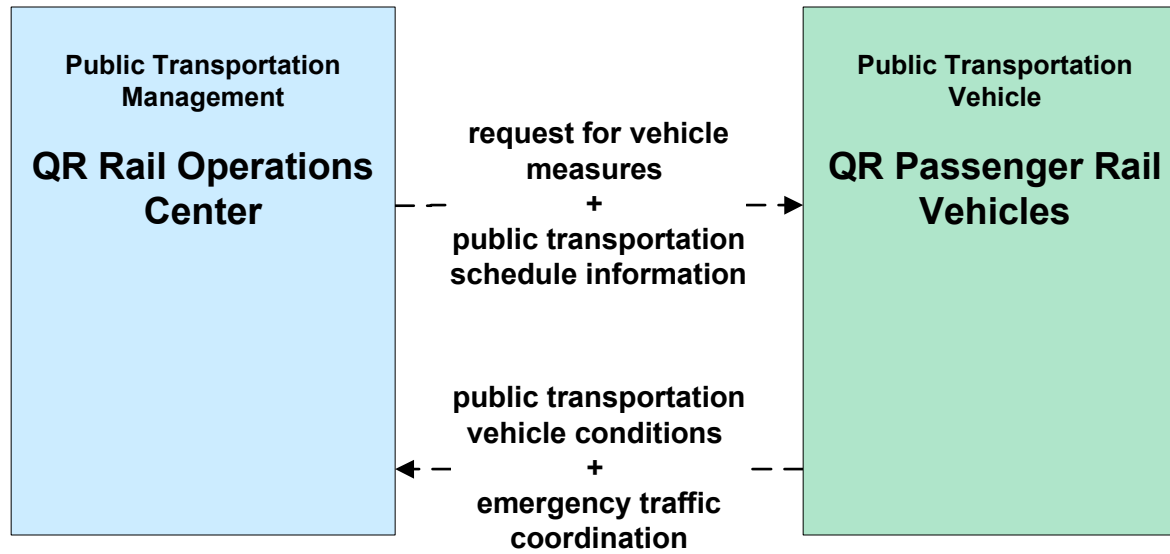
APTS05 - Public Transportation Security Lusail LRT



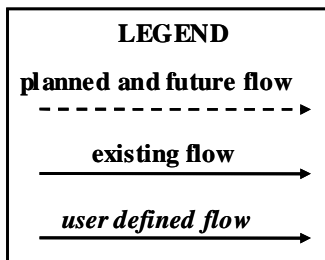
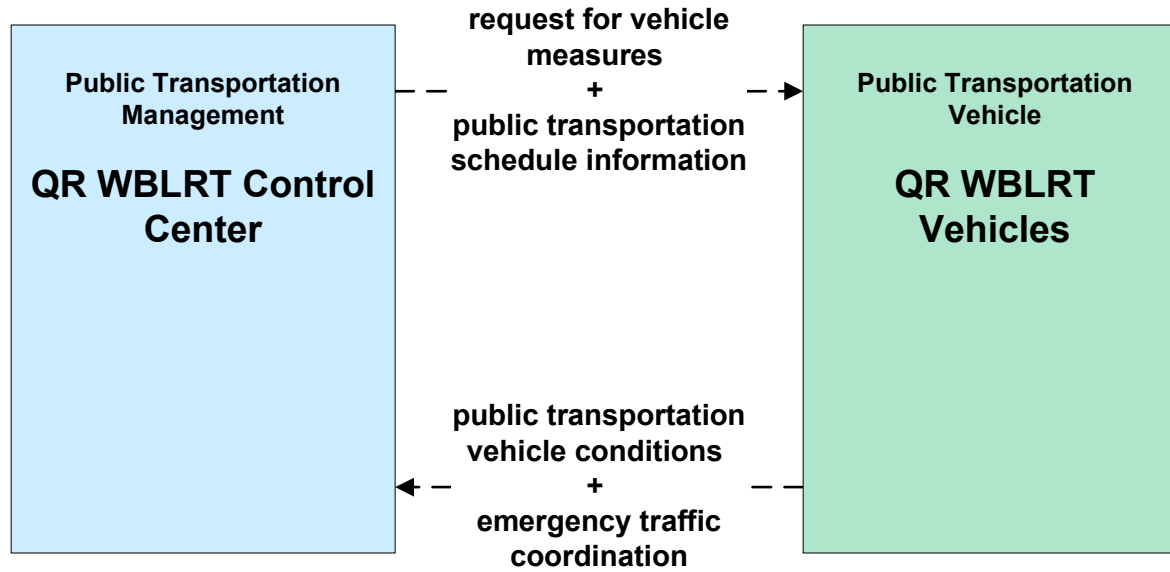
**APTS06 - Public Transportation Fleet Management
Doha Metro**



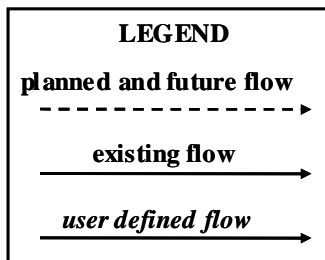
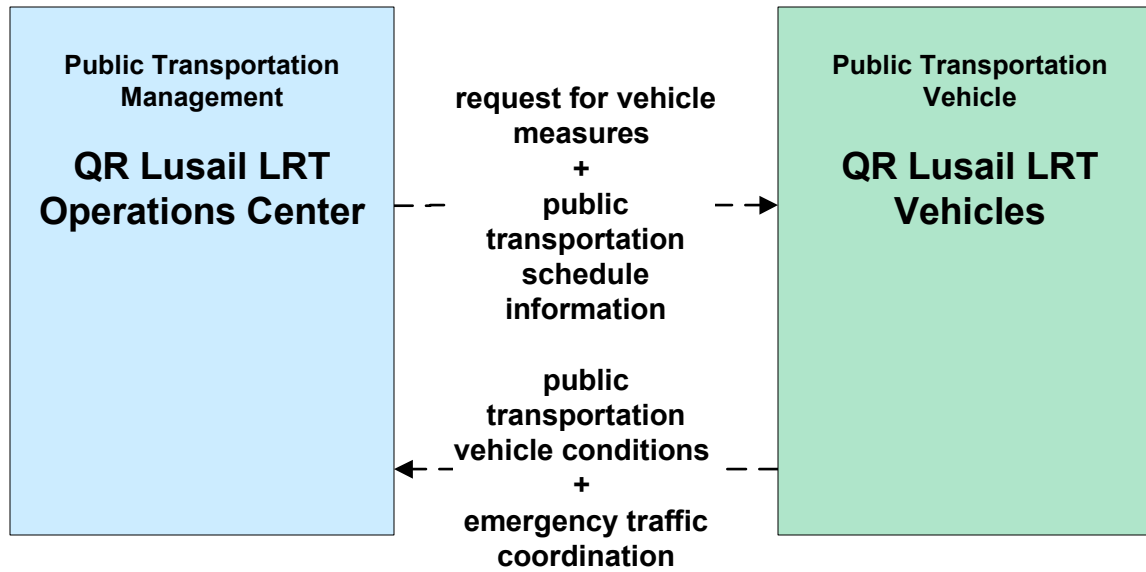
APTS06 - Public Transportation Fleet Management Qatar Railways



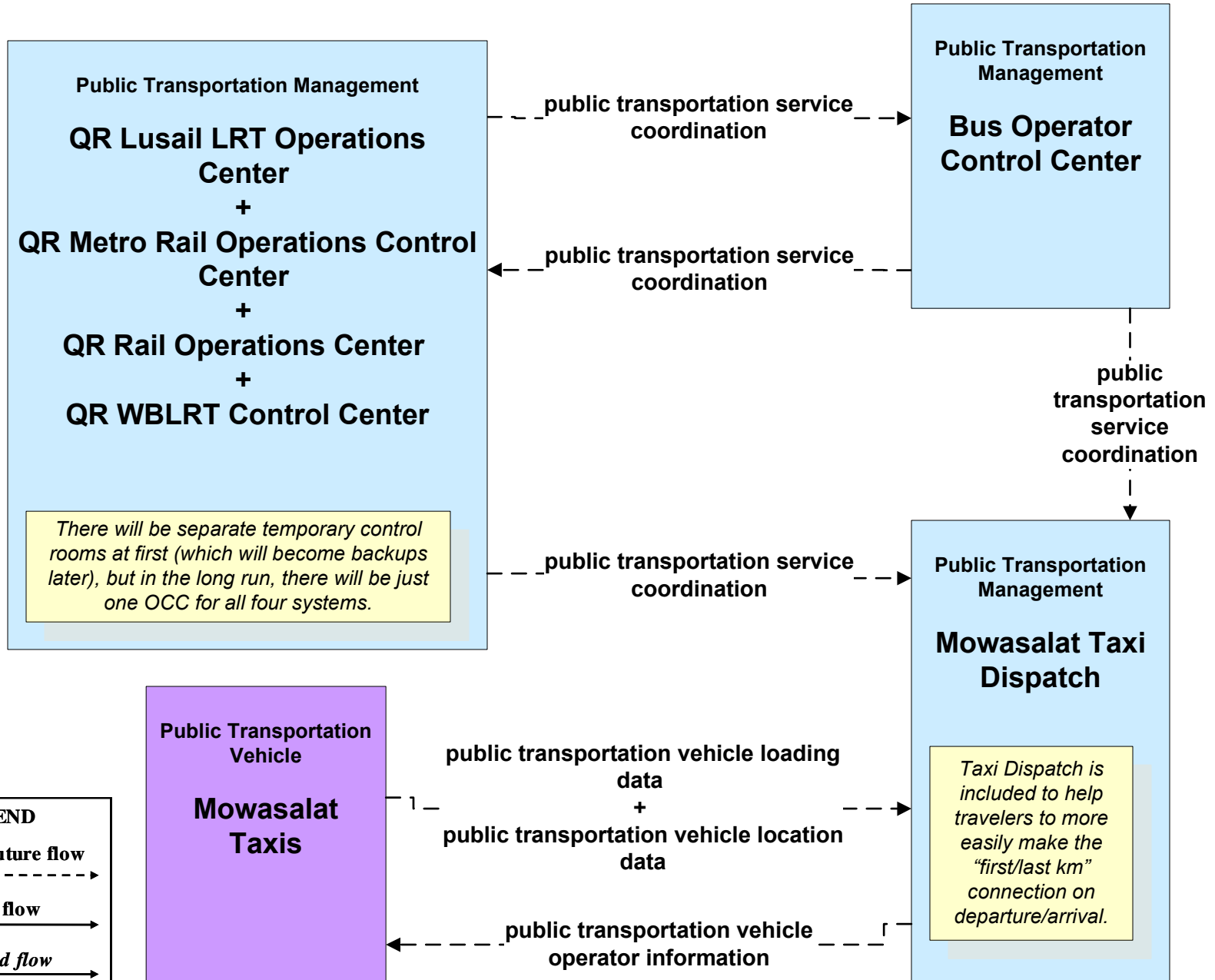
**APTS06 - Public Transportation Fleet Management
WBLRT**



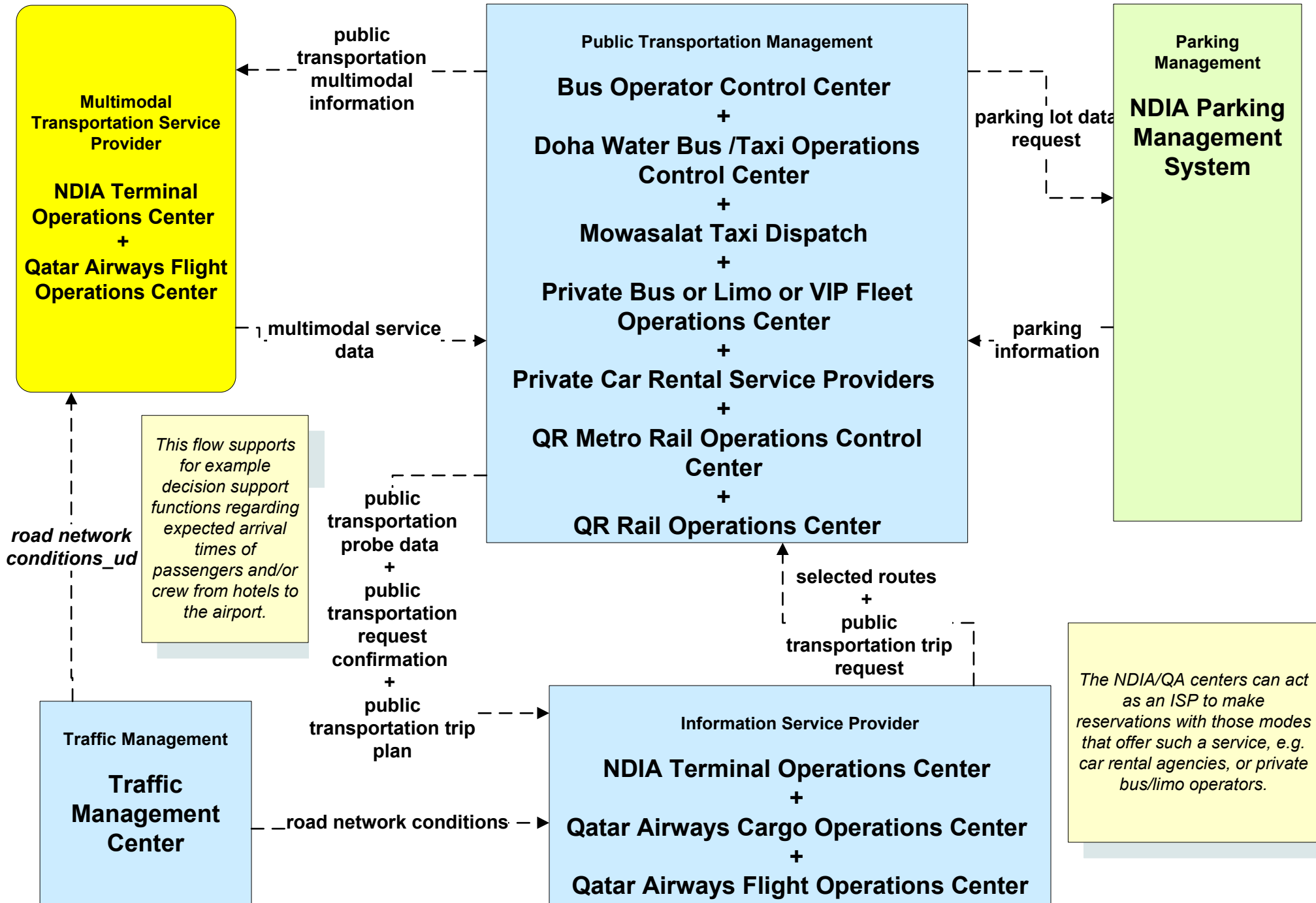
**APTS06 - Public Transportation Fleet Management
Lusail LRT**



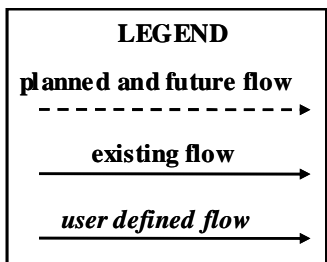
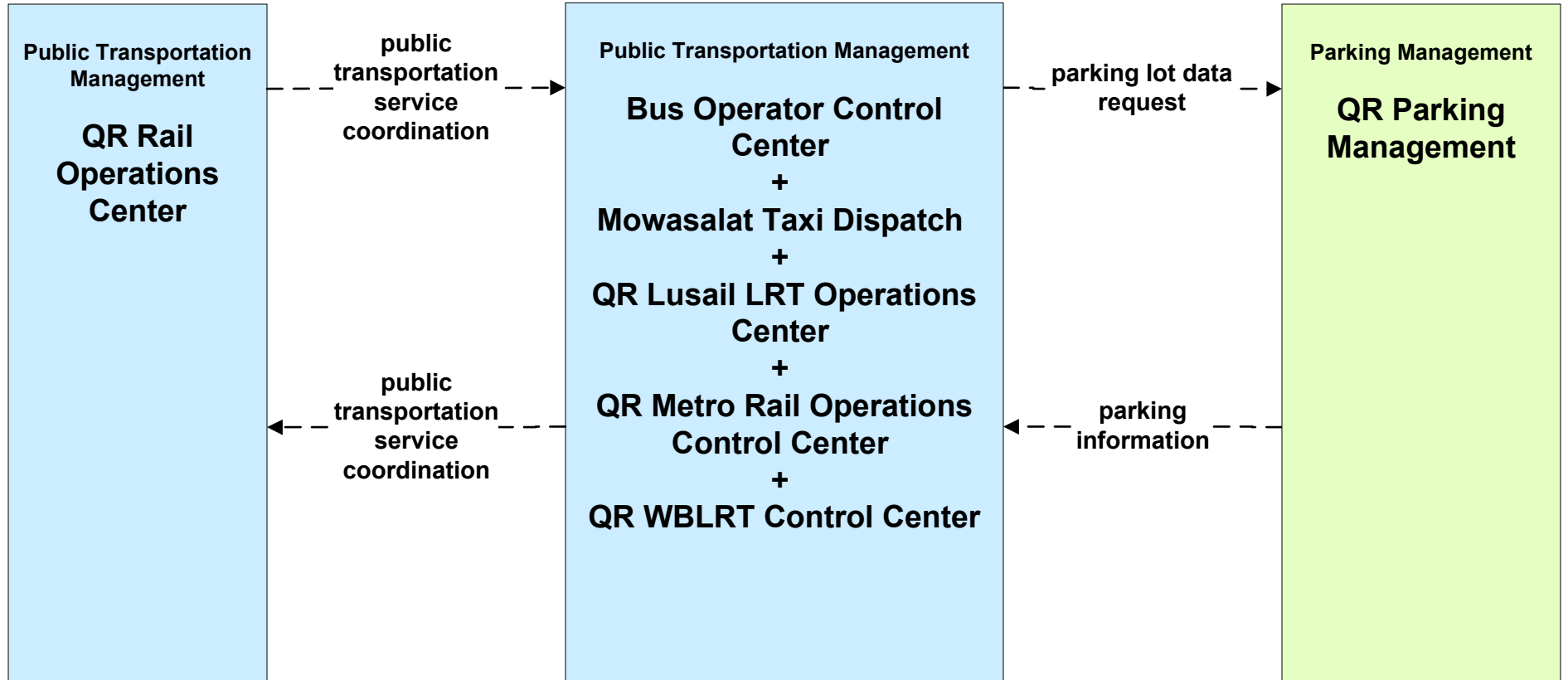
APTS07 - Multimodal Coordination Public Transportation Information Exchange



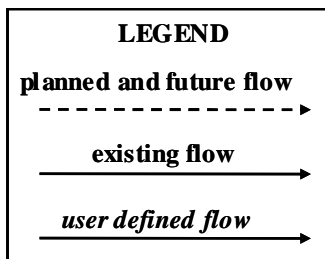
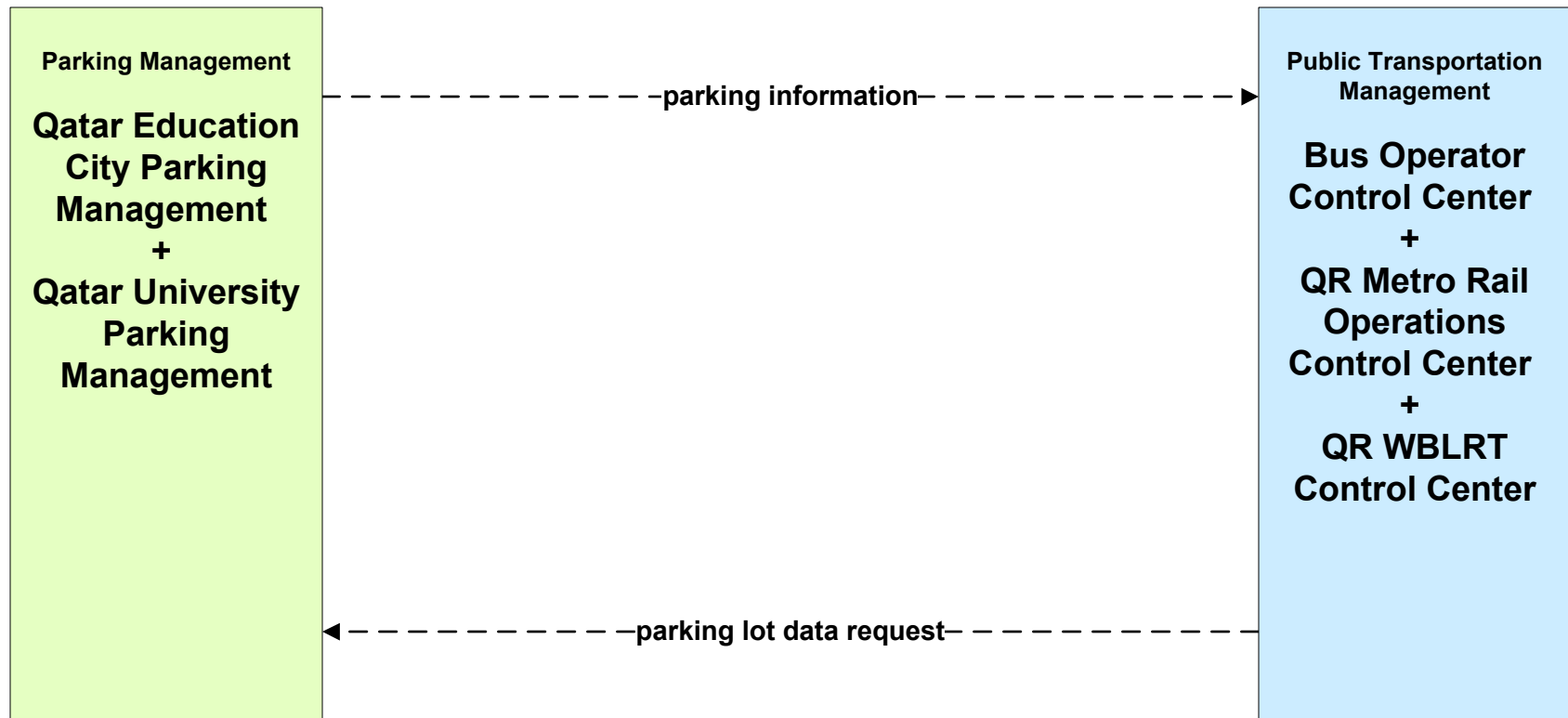
APTS07 - Multimodal Coordination NDIA



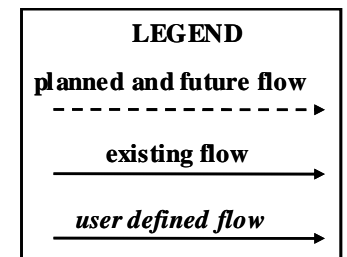
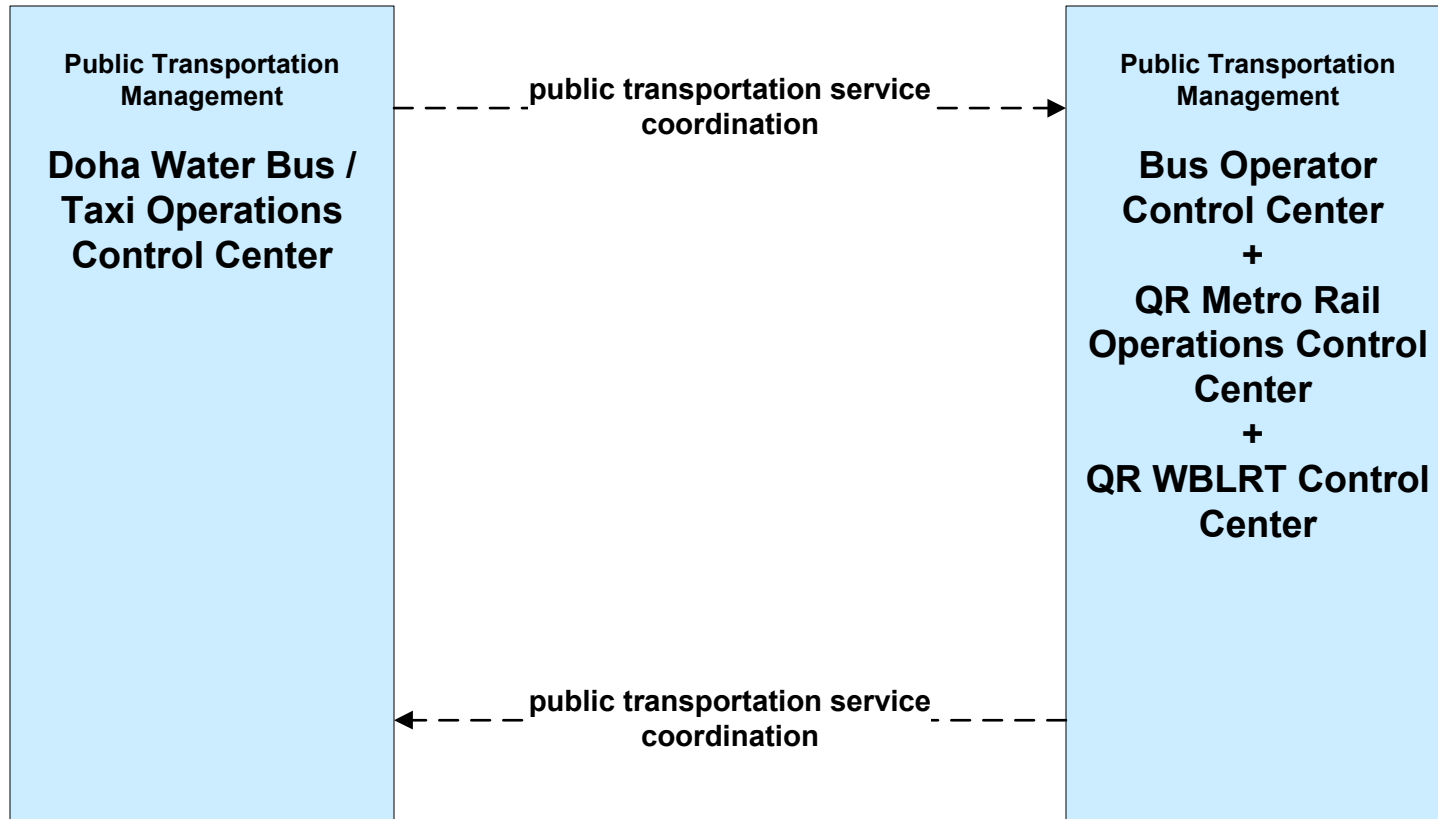
APTS07 - Multimodal Coordination Qatar Railways



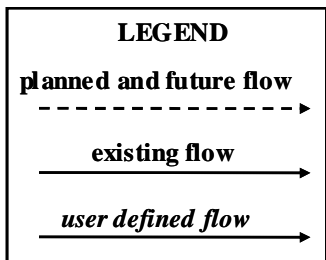
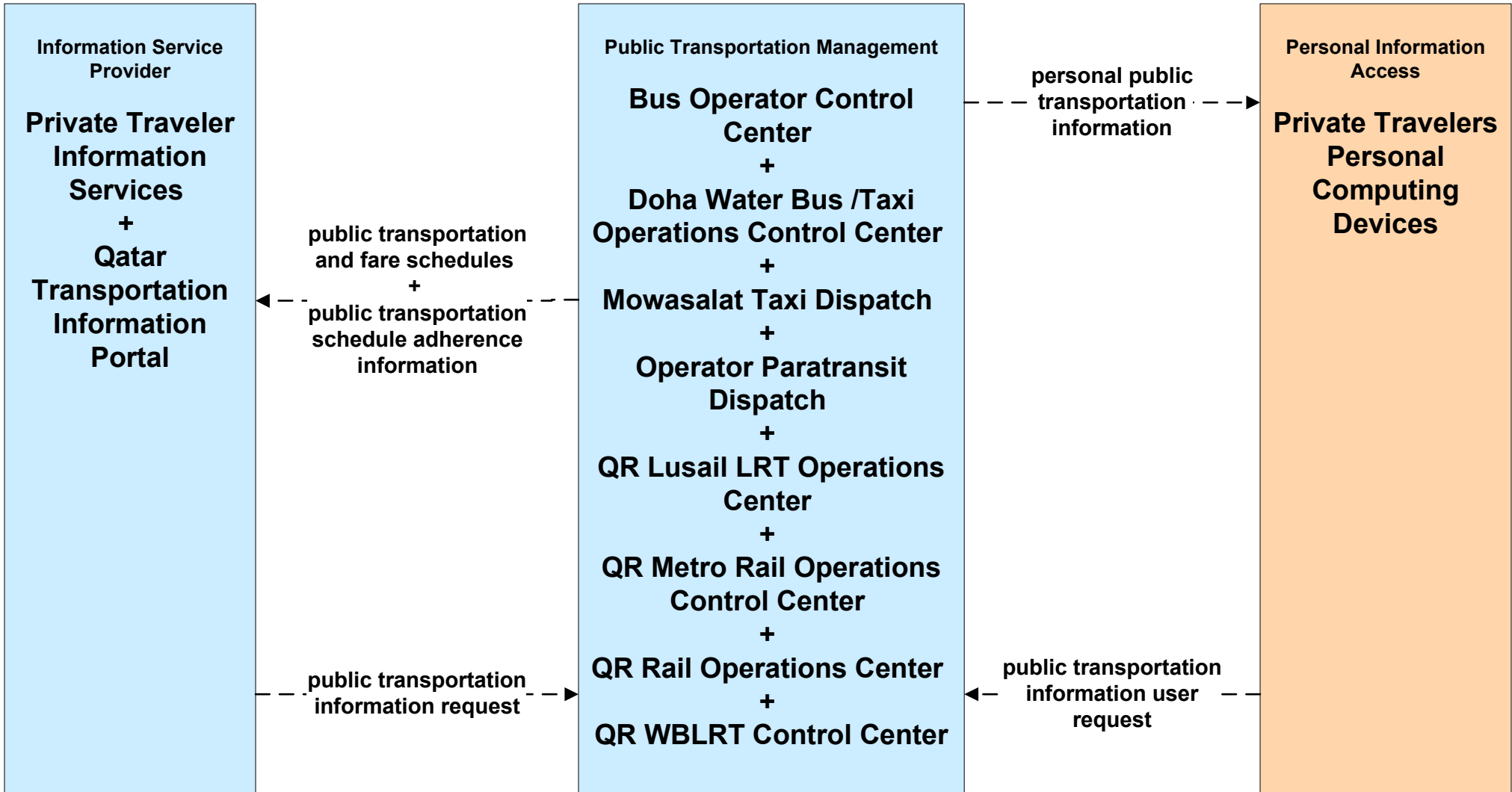
**APTS07 - Multimodal Coordination
Qatar Education City and Qatar University**



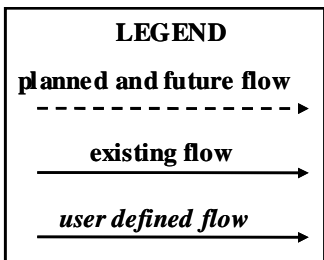
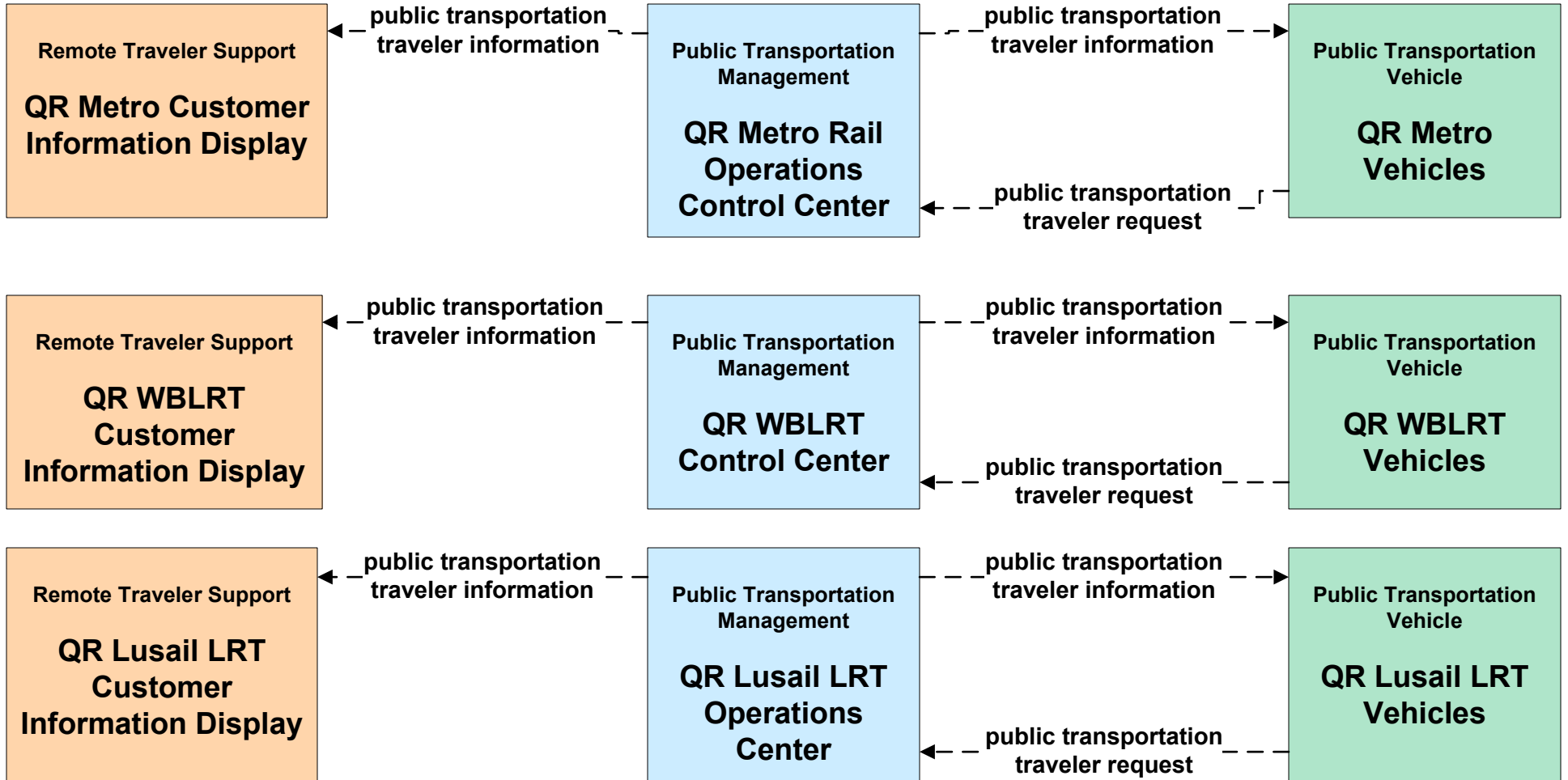
**APTS07 - Multimodal Coordination
Doha Bay Water Bus and Taxi**



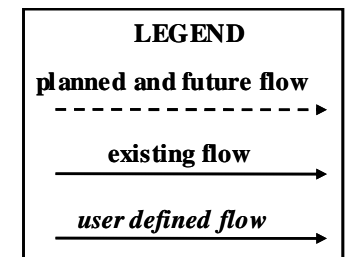
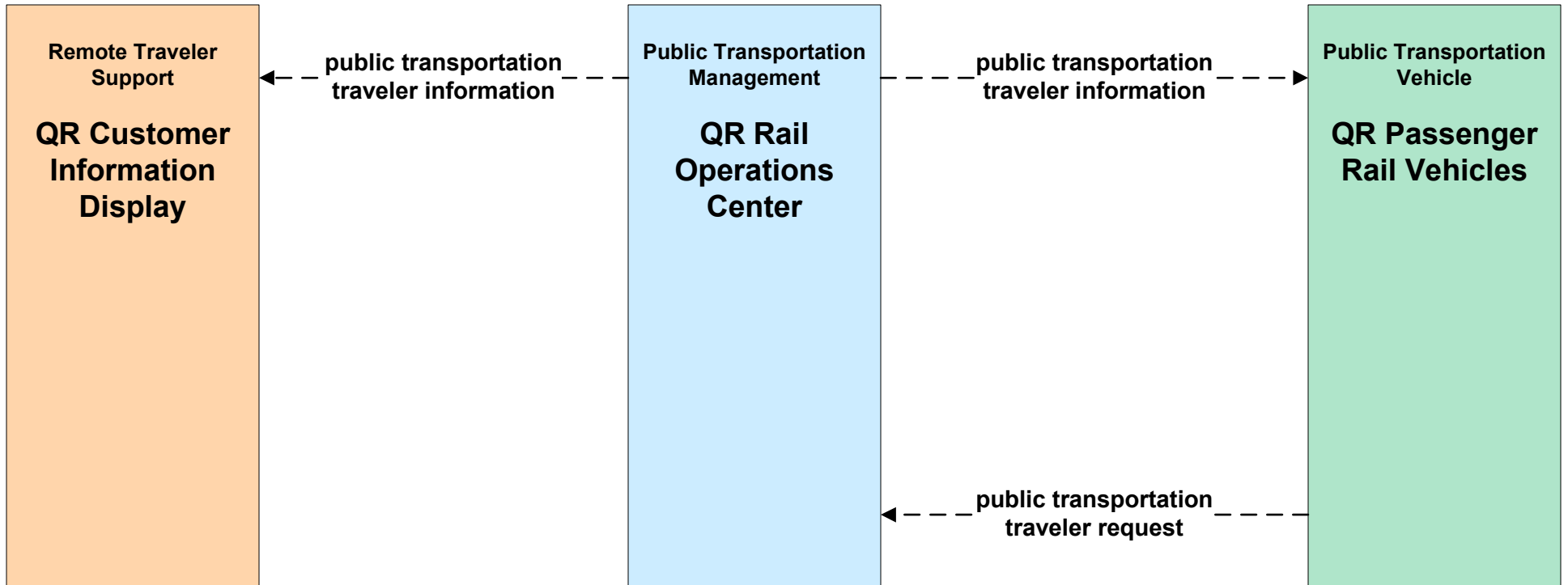
**APTS08 - Public Transportation Traveler Information
Private Traveler Information**



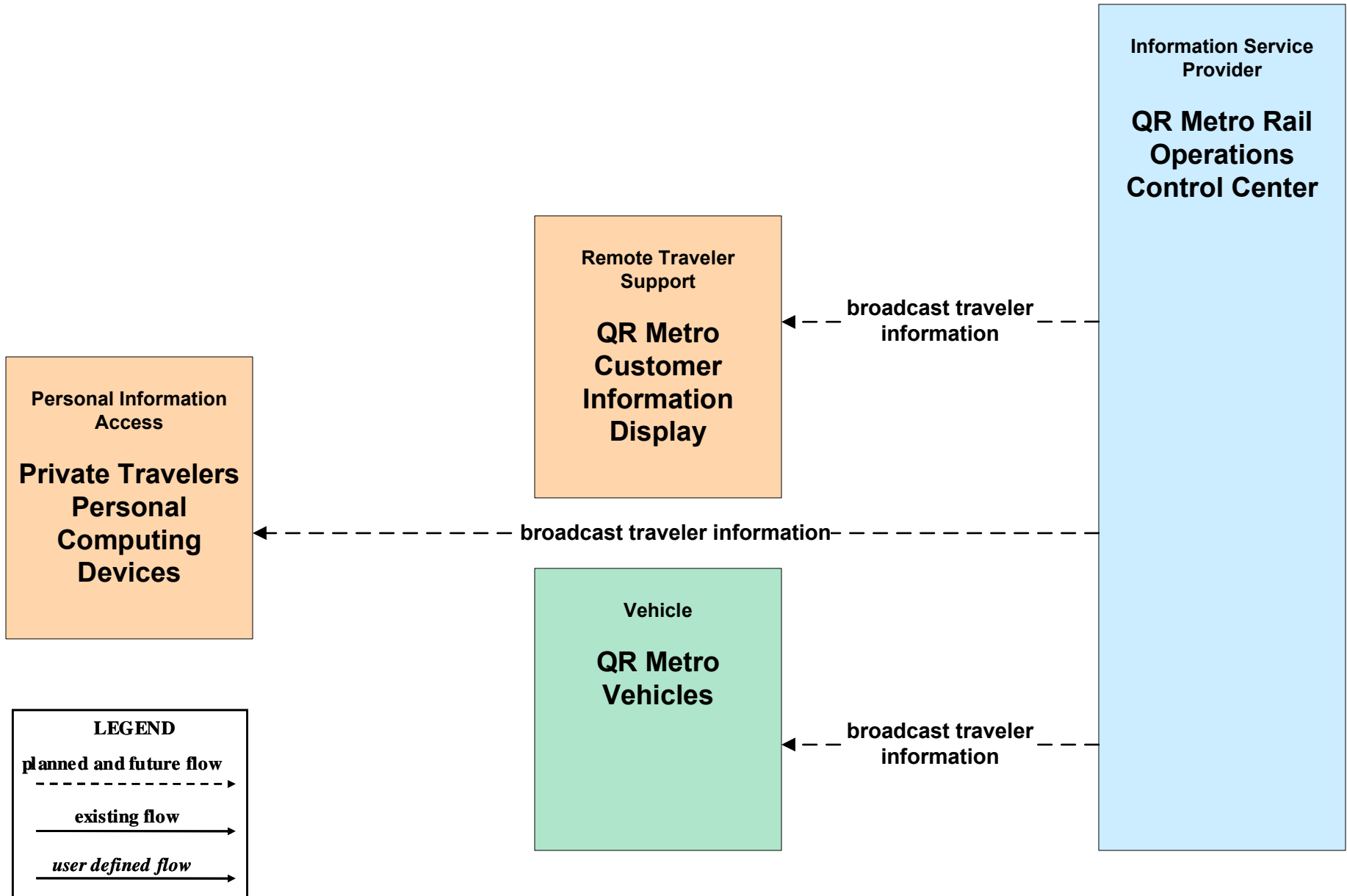
APTS08 - Public Transportation Traveler Information Rail



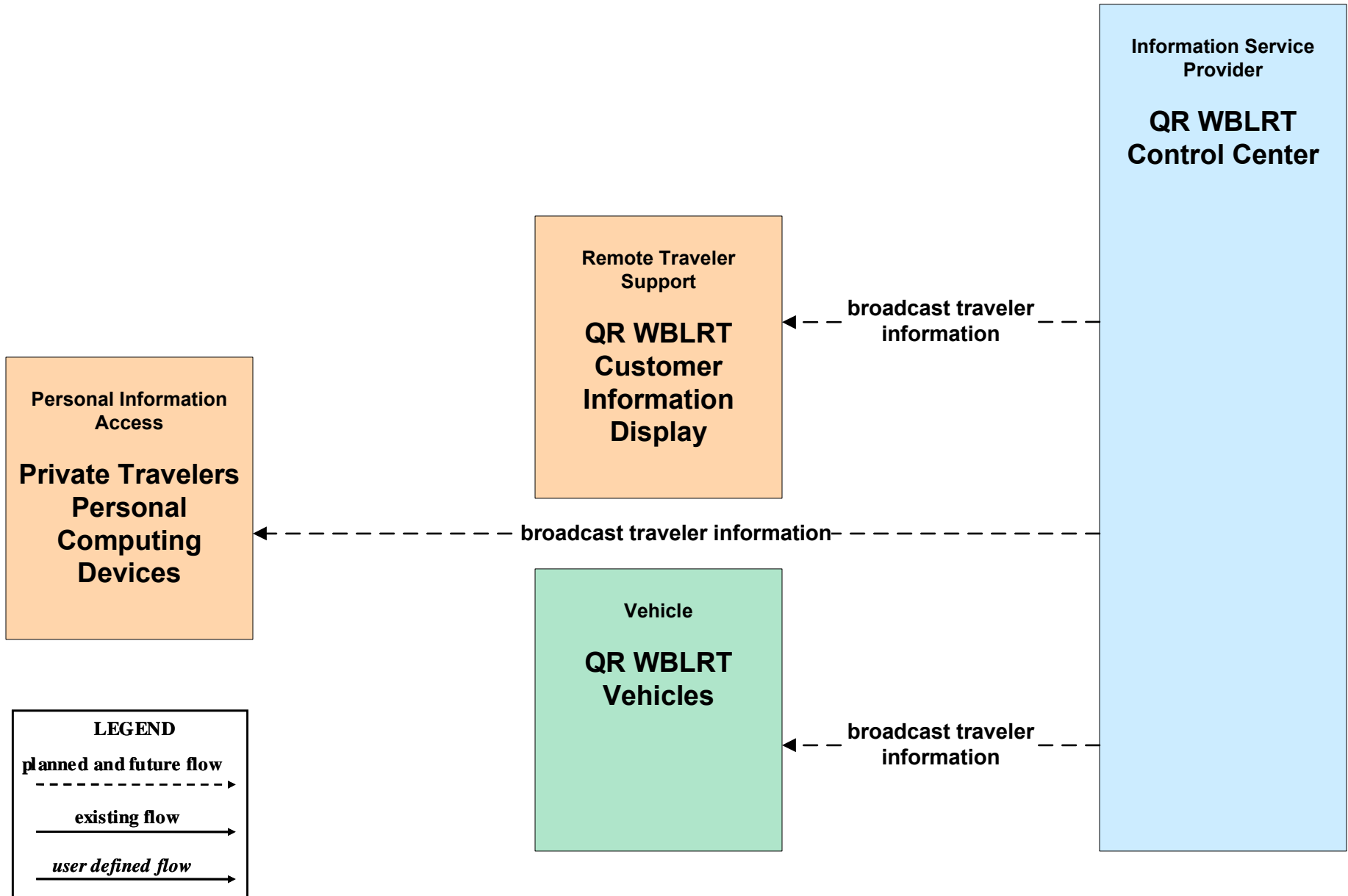
APTS08 - Public Transportation Traveler Information Qatar Passenger Rail



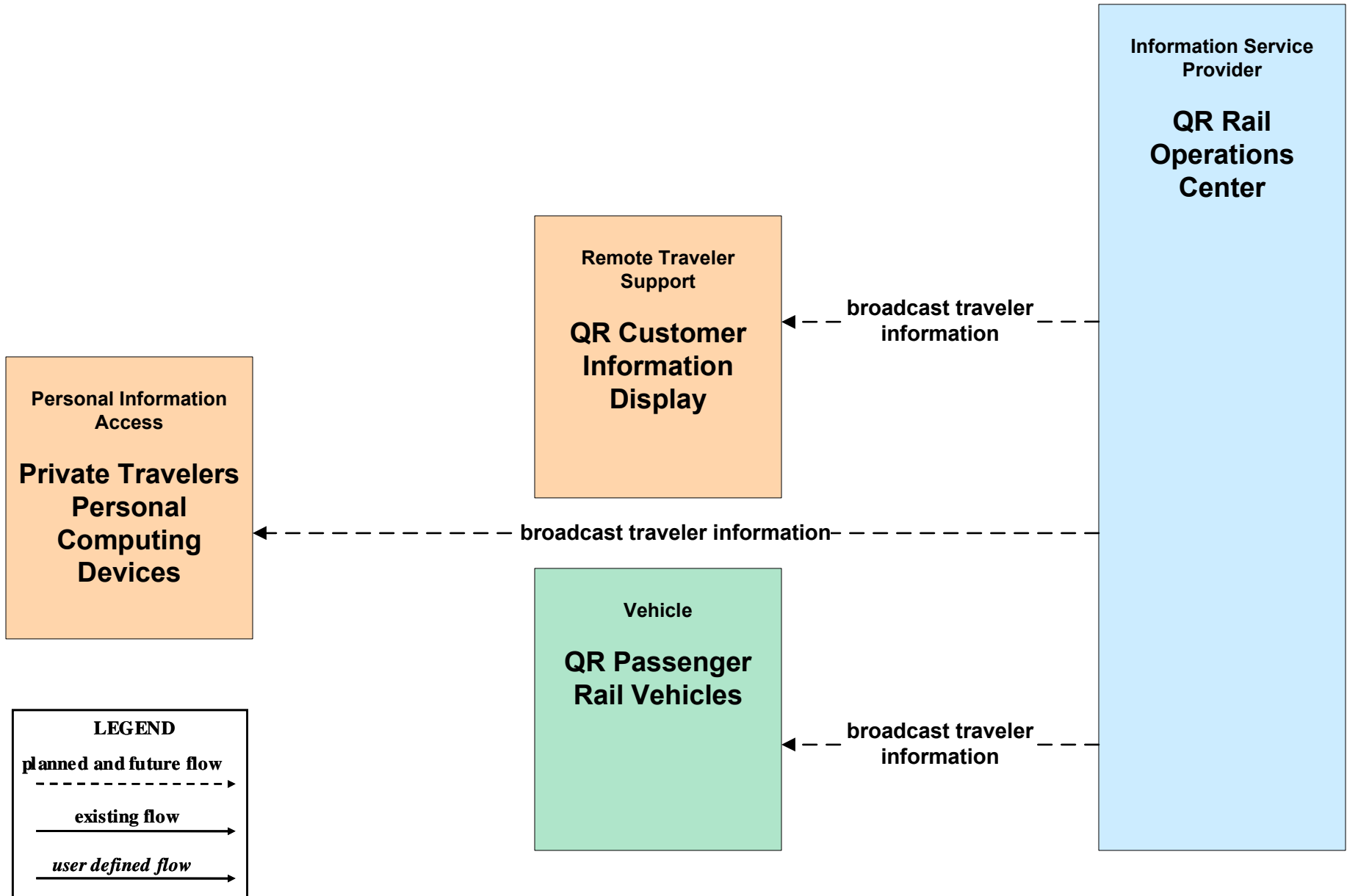
ATIS01 - Broadcast Traveler Information Doha Metro



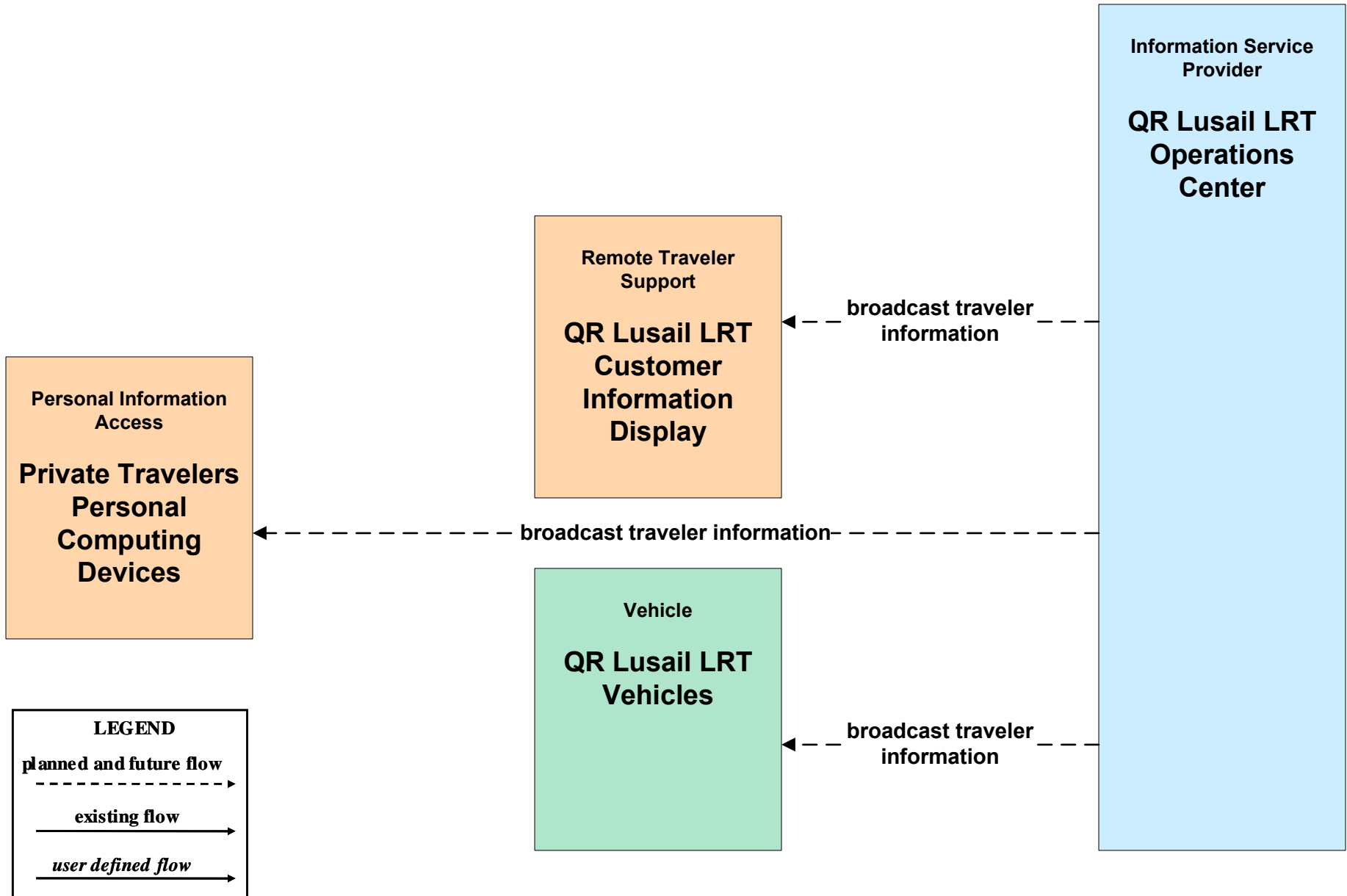
**ATIS01 - Broadcast Traveler Information
West Bay Light Rail Public Transportation**



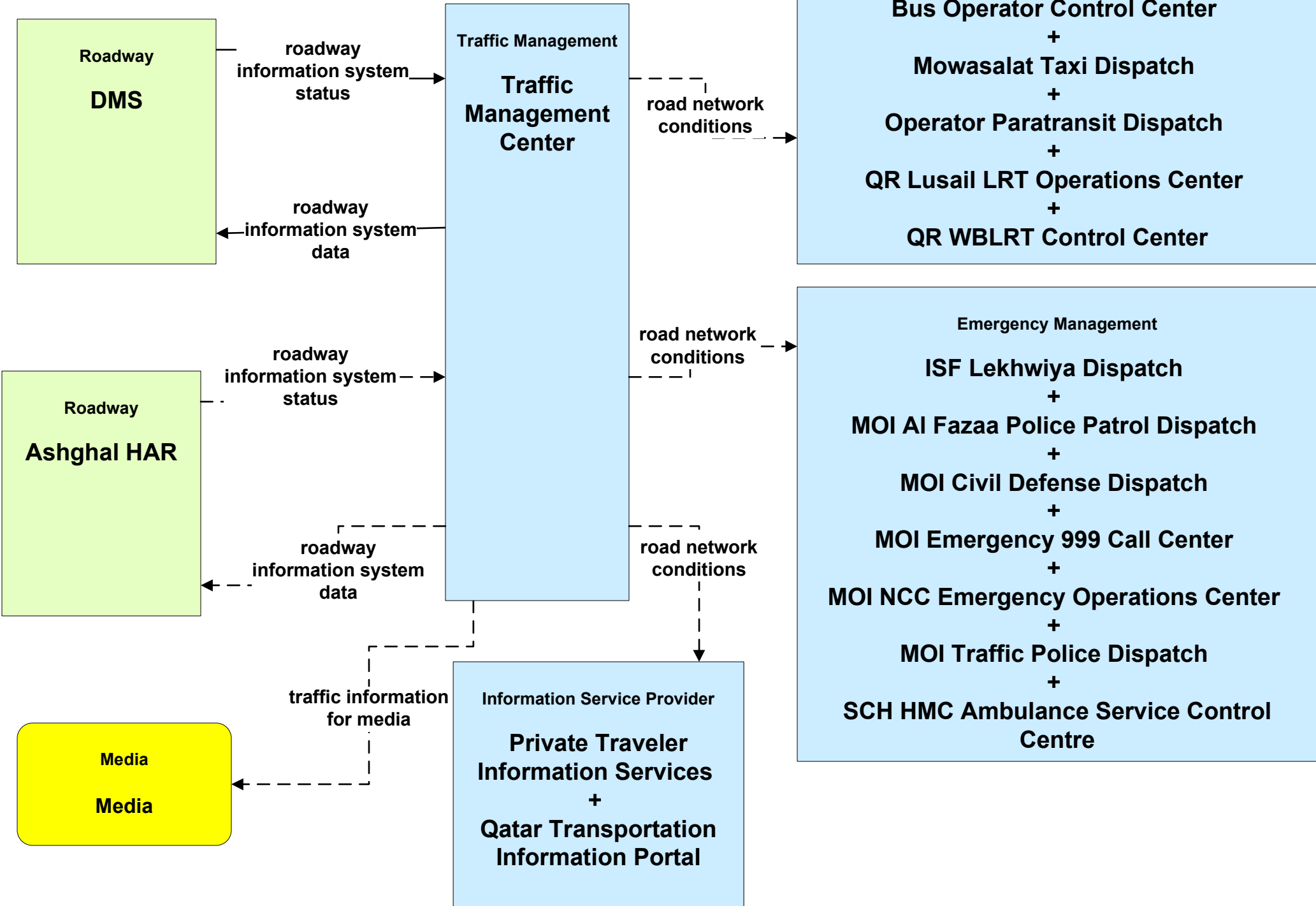
**ATIS01 - Broadcast Traveler Information
Qatar Railways**



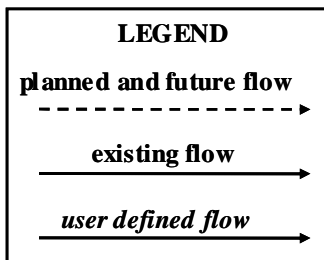
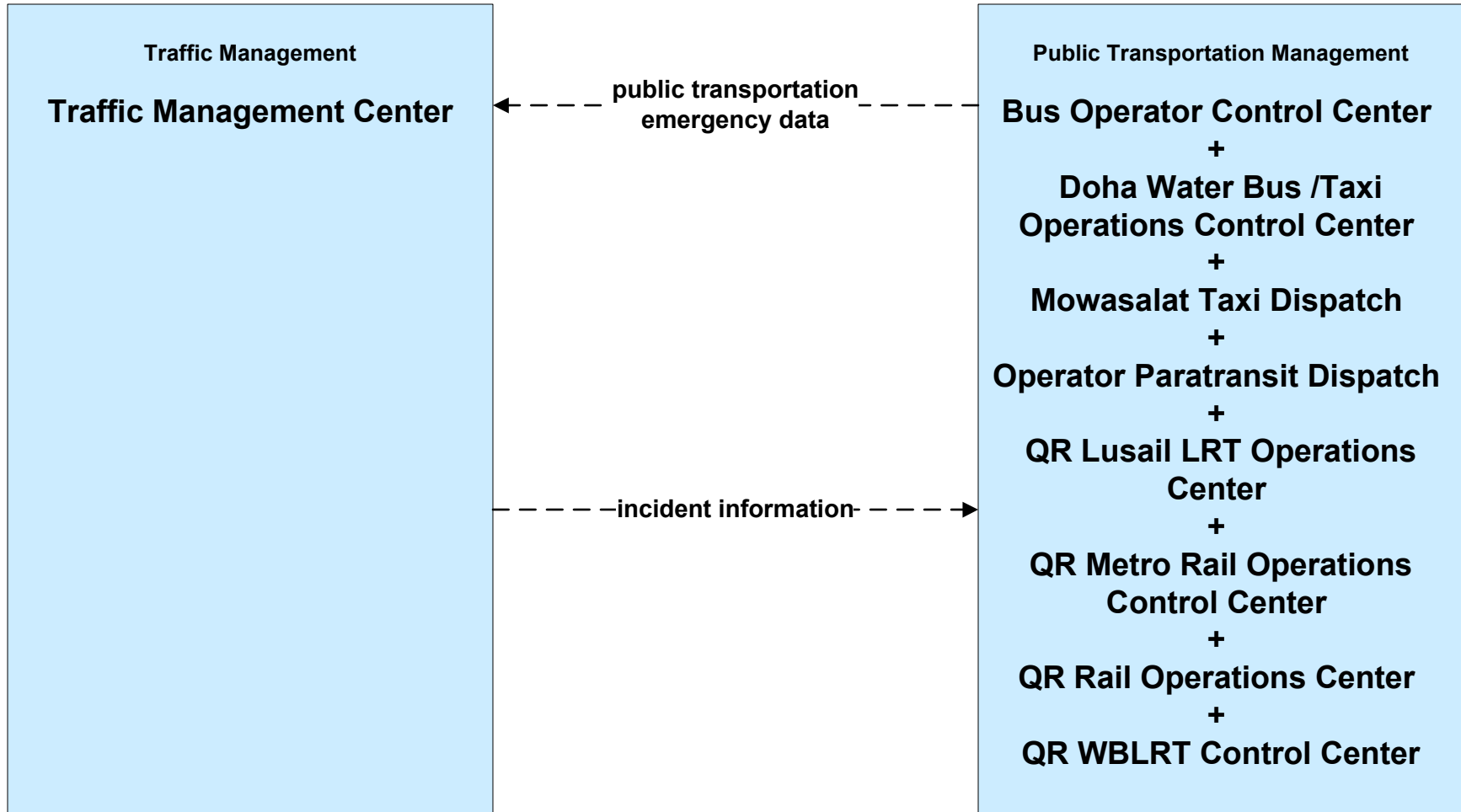
**ATIS01 - Broadcast Traveler Information
Lusail LRT**



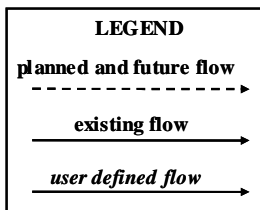
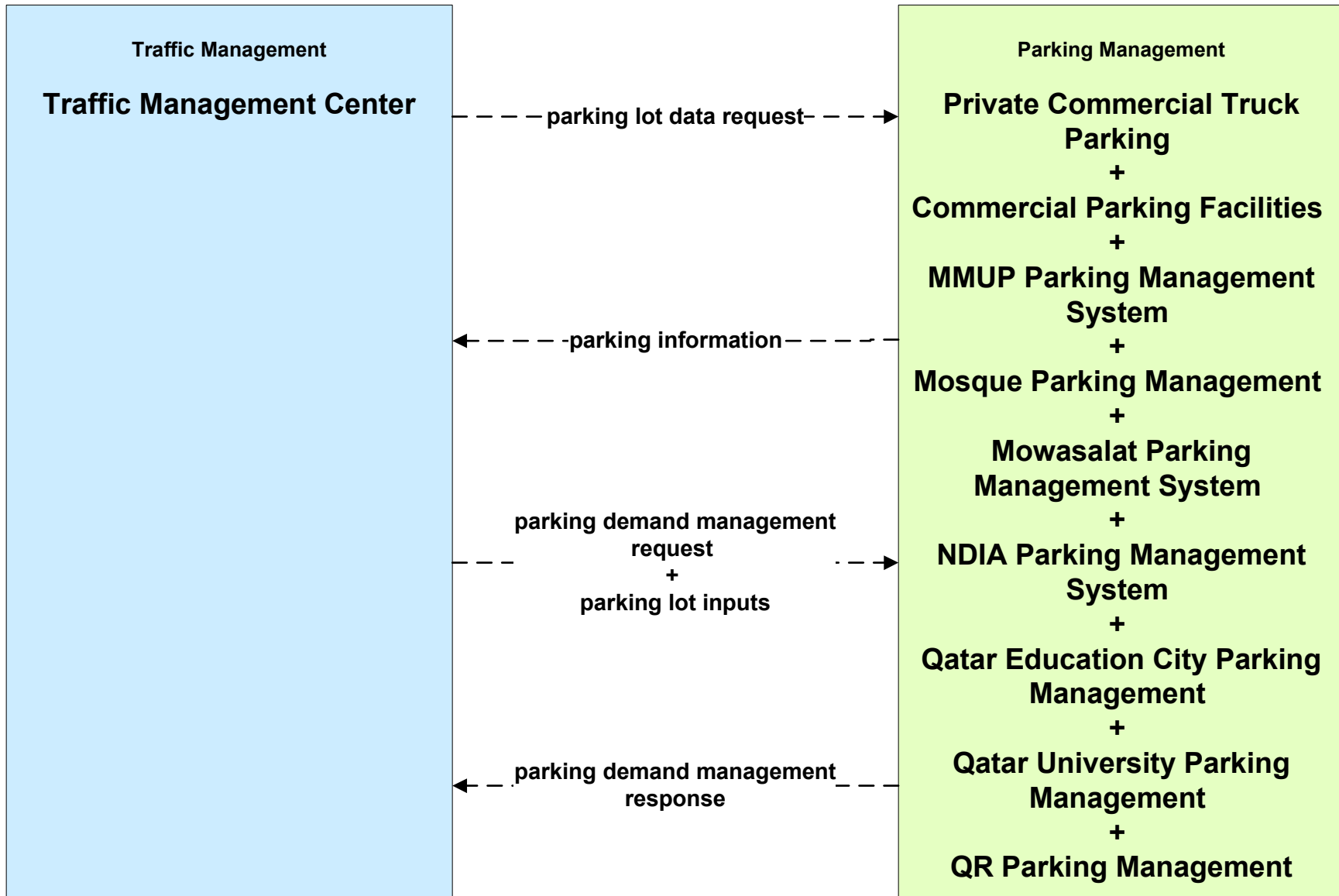
ATMS06 - Traffic Information Dissemination



**ATMS08 - Incident Management
Public Transportation Operations**

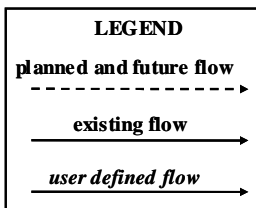
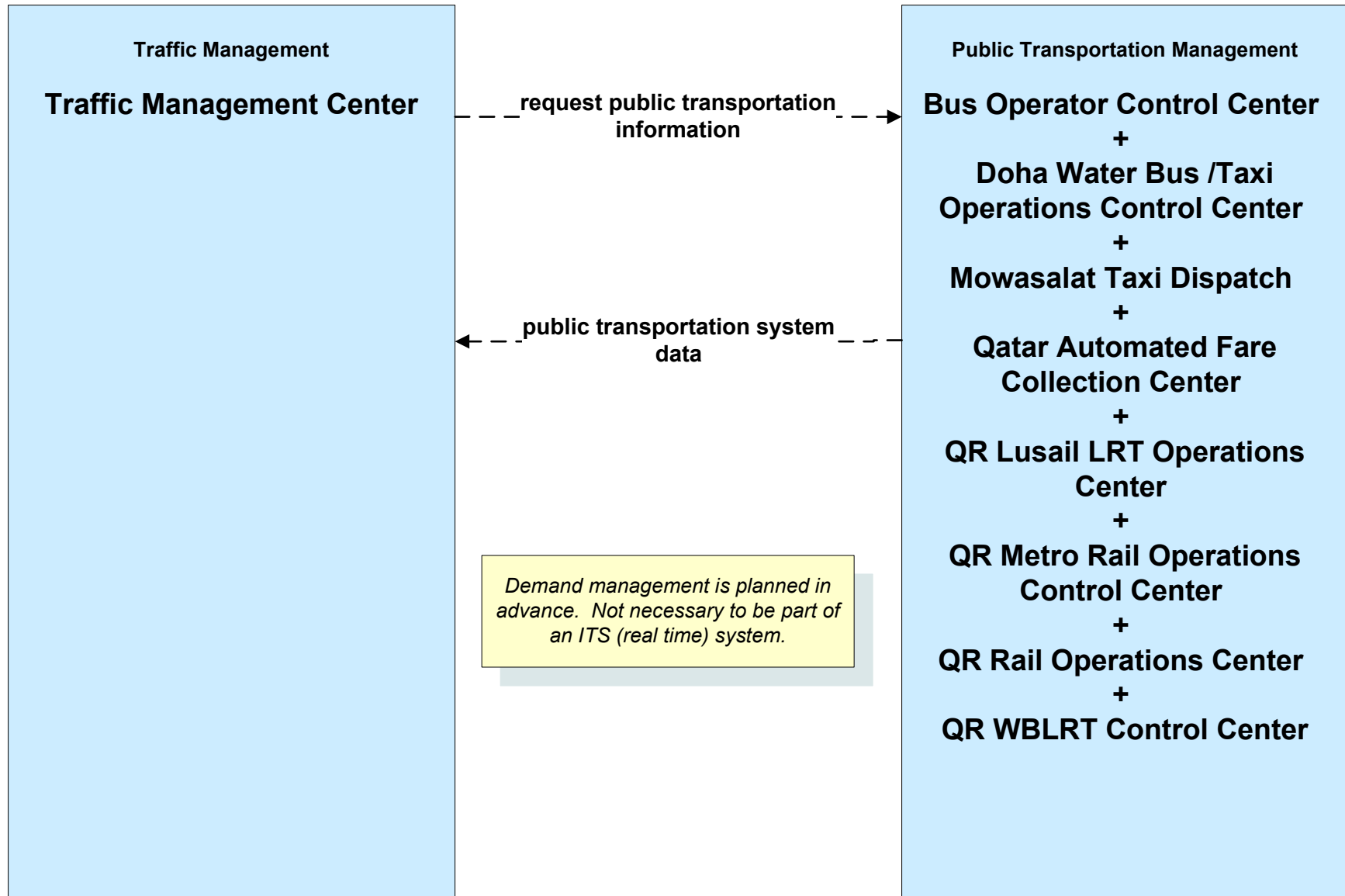


ATMS09 - Traffic Forecast and Demand Management Parking Management Systems for Special Events

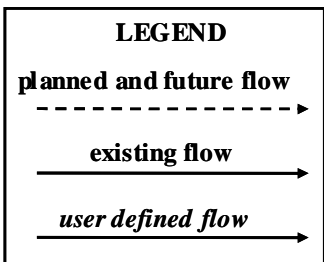
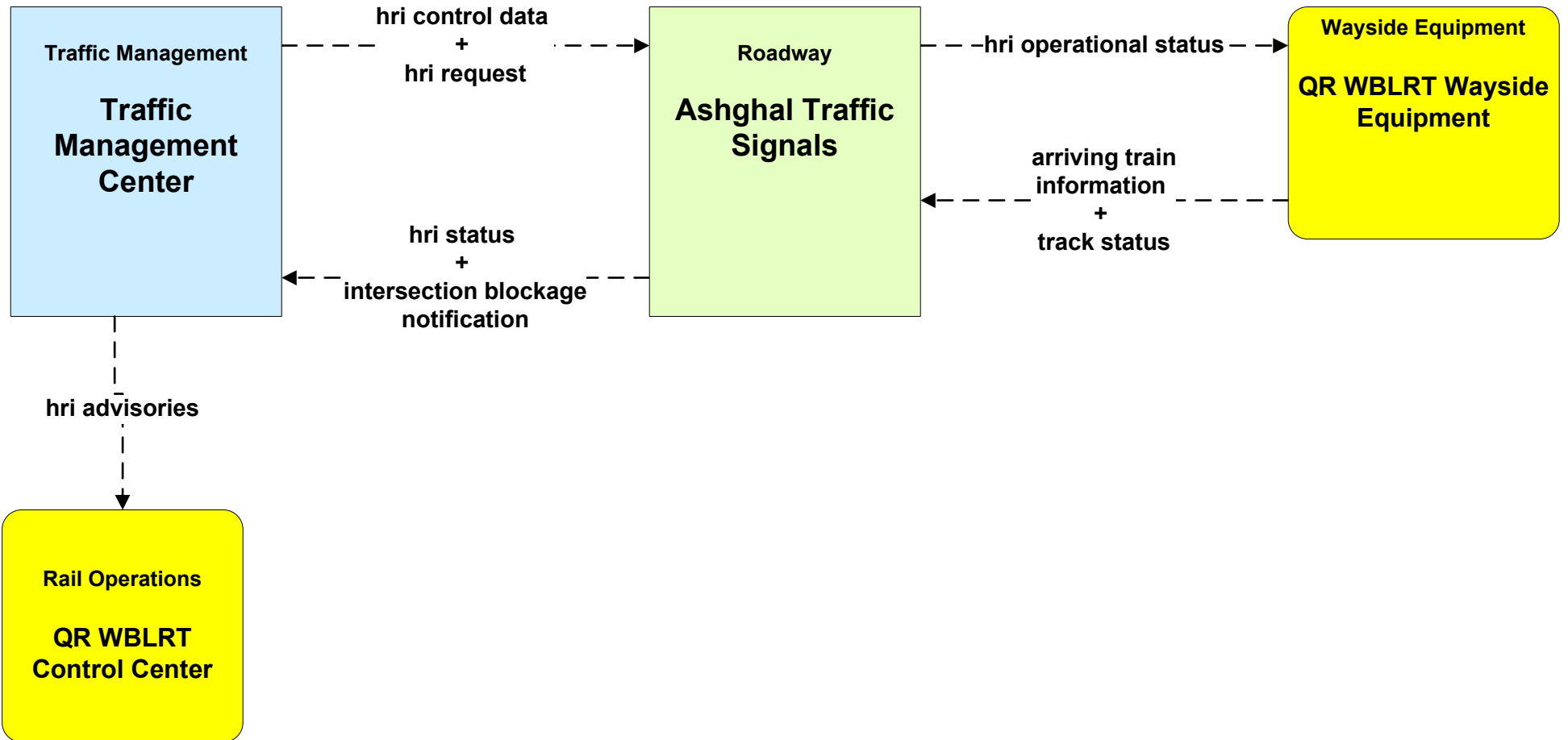


Will Ashghal include: Lusail Parking or Ashghal (TBD?) Park and Ride parking?

ATMS09 - Traffic Forecast and Demand Management Public Transportation Management Systems for Special Events

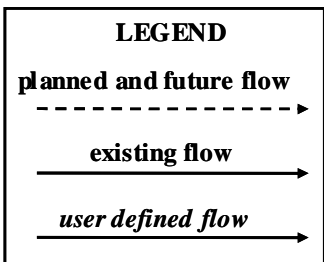
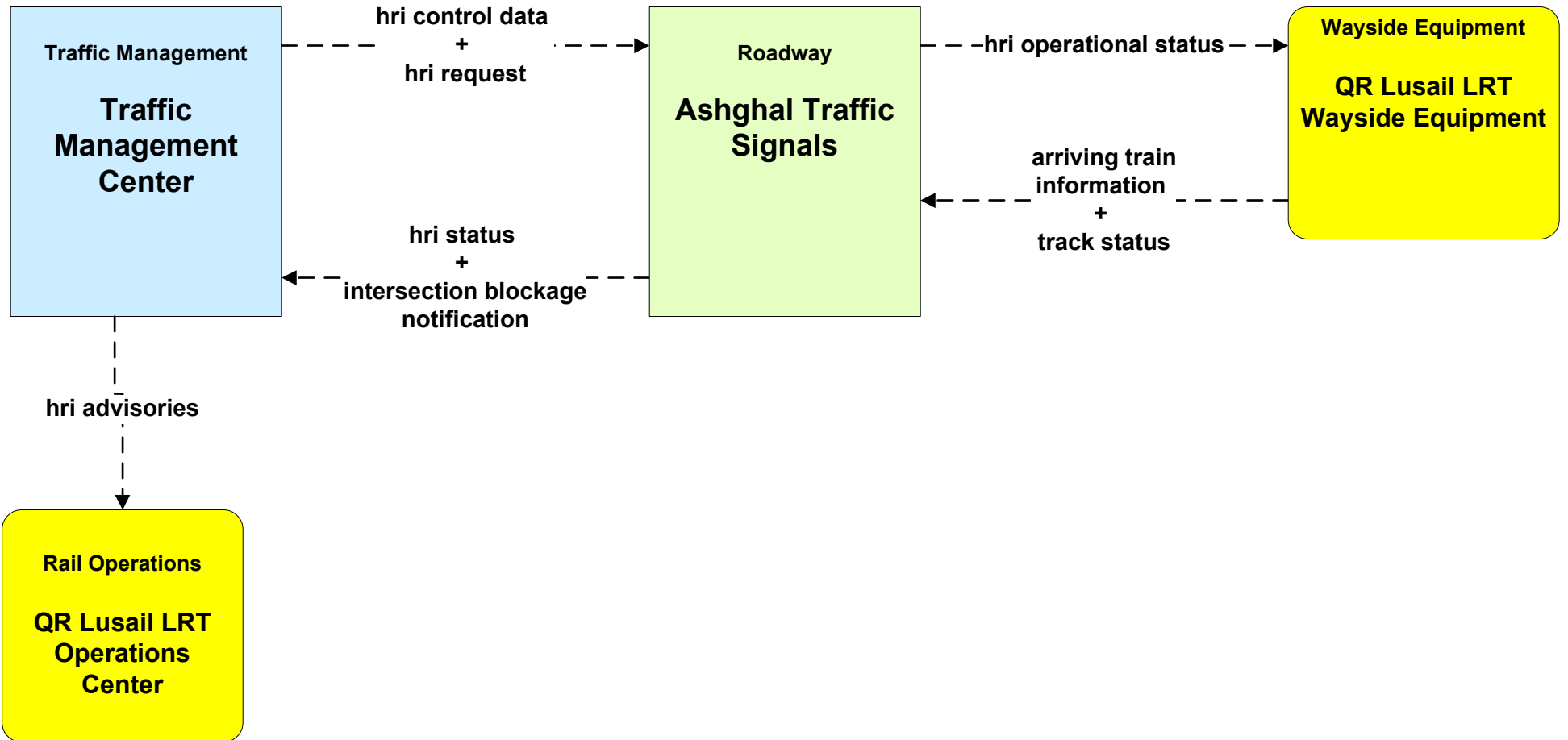


ATMS14 - Advanced Railroad Grade Crossing WBLRT Rail



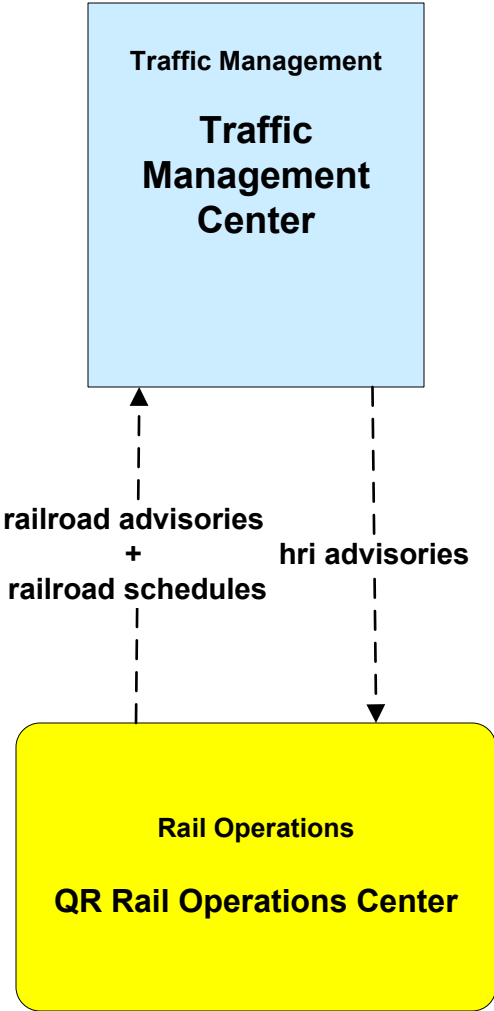
Only QR Lusail LRT and WBLRT have at-grade (level) crossings.

ATMS14 - Advanced Railroad Grade Crossing QR Lusail LRT



Only QR Lusail LRT and WBLRT have at-grade (level) crossings.

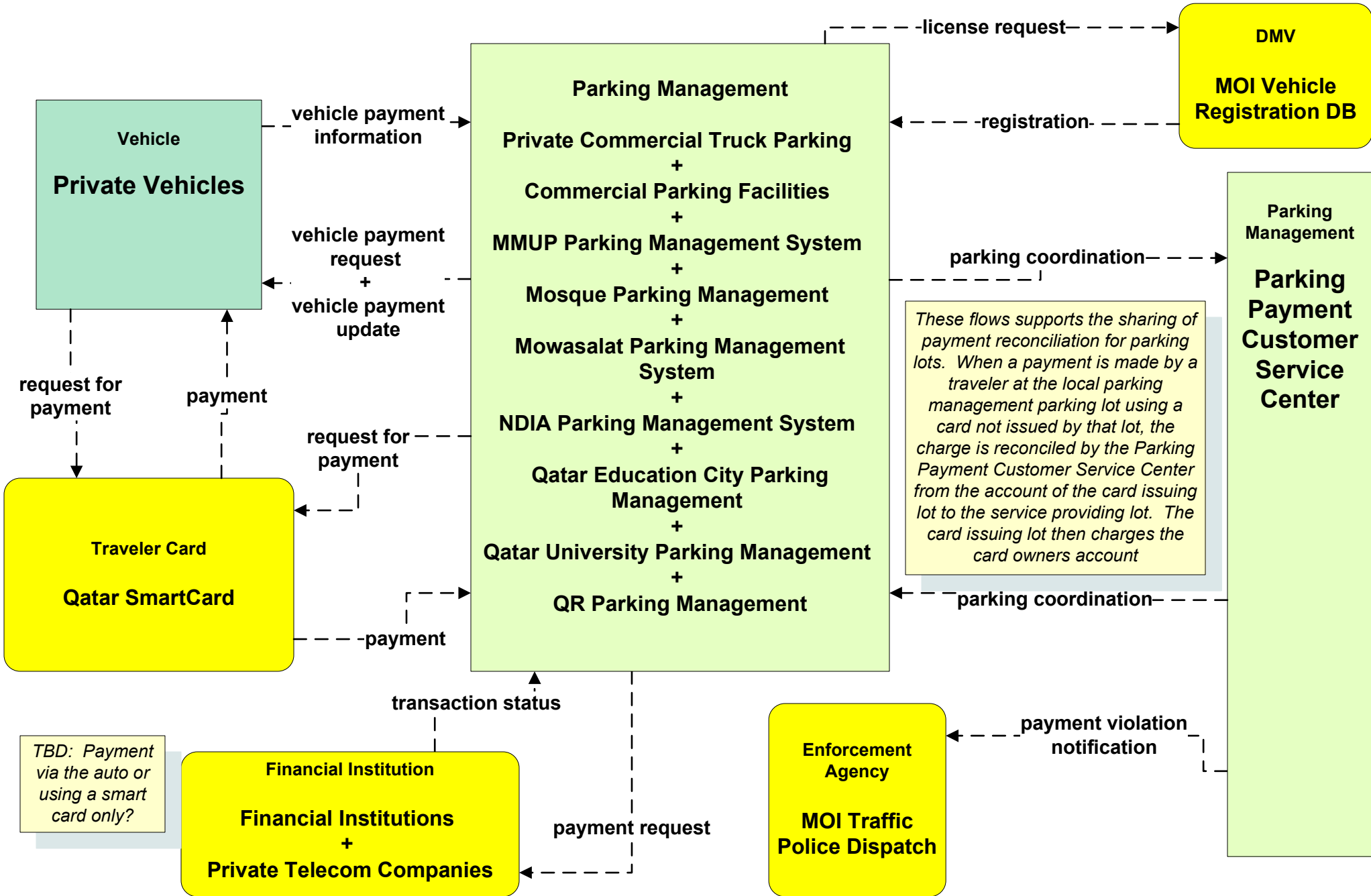
ATMS15 - Railroad Operations Coordination



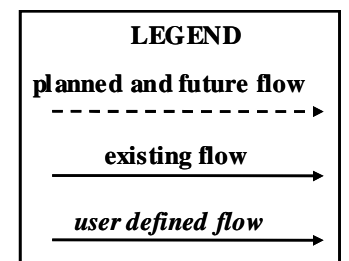
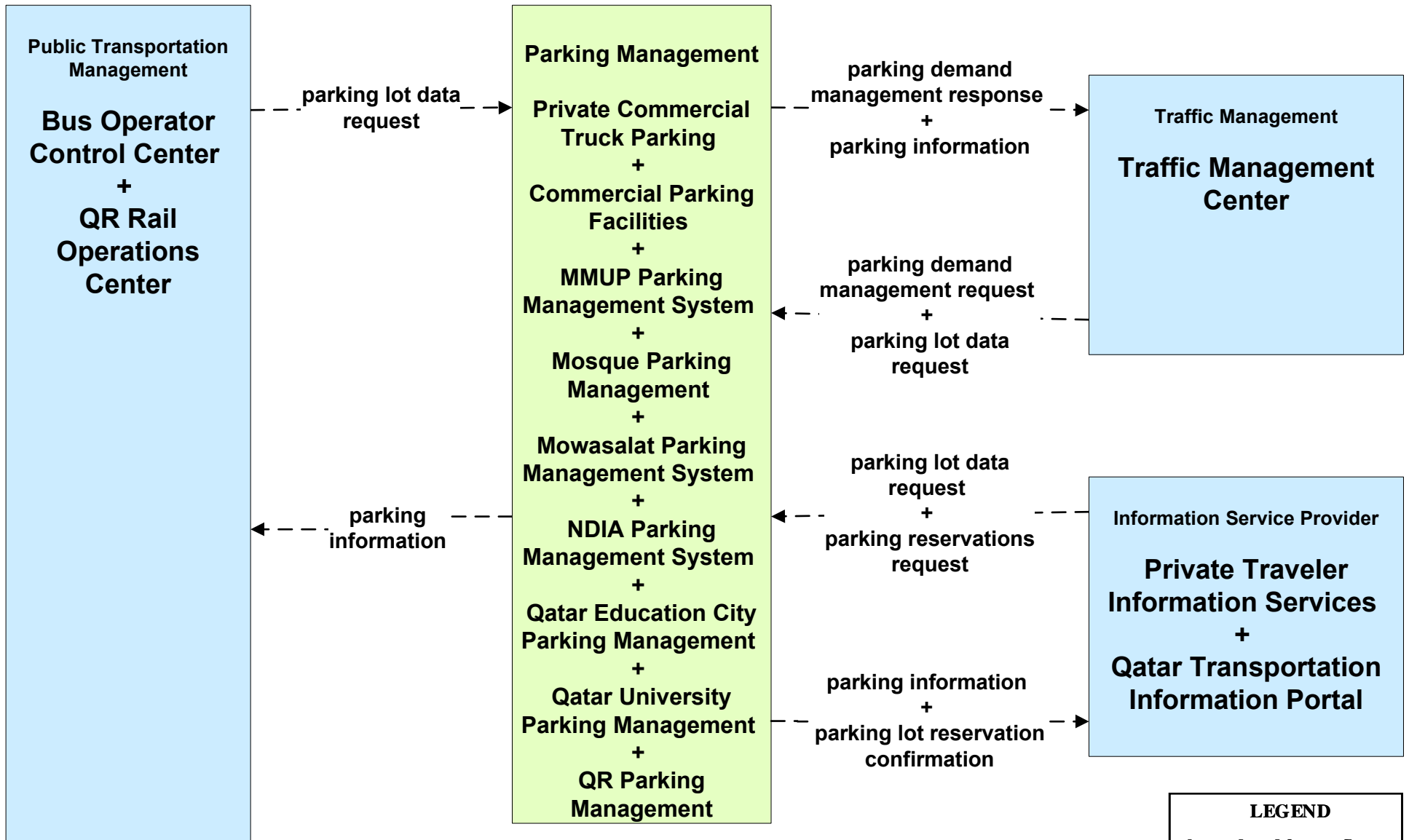
LEGEND

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

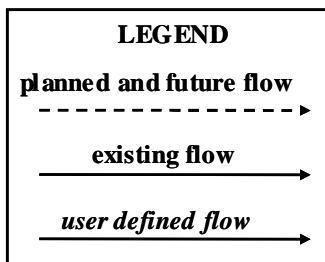
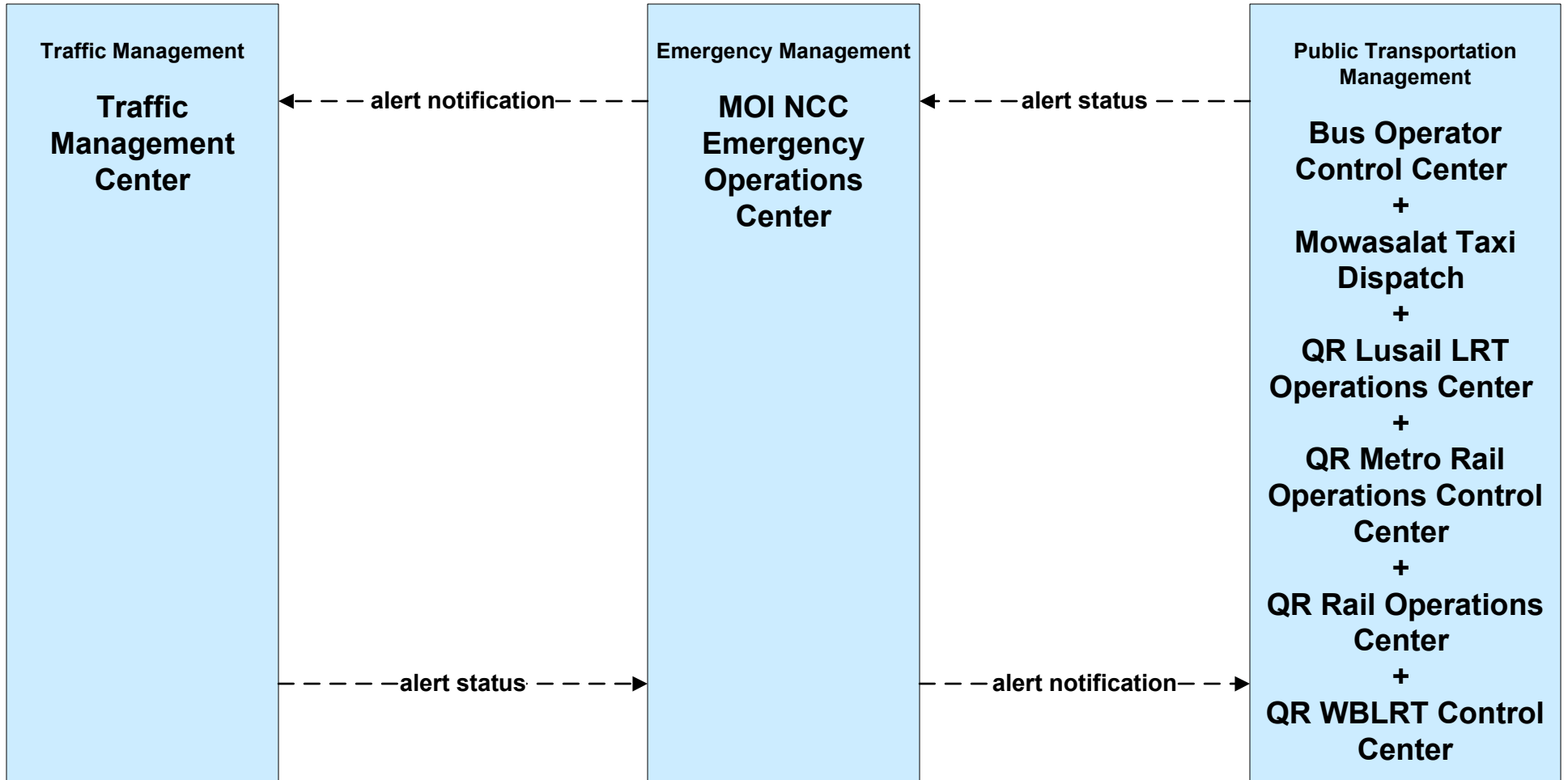
ATMS16 - Parking Facility Management Ashghal



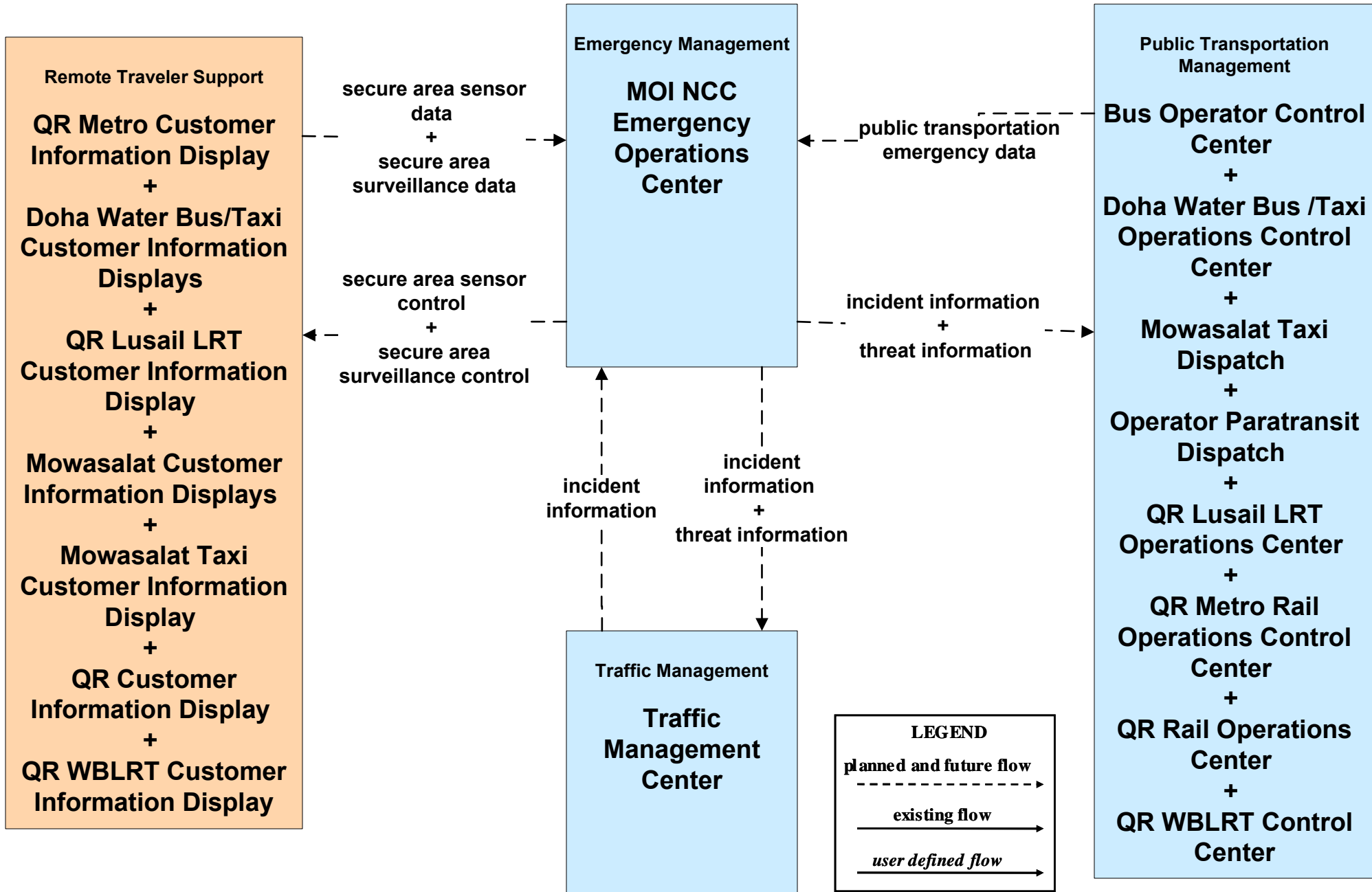
ATMS17 - Regional Parking Management



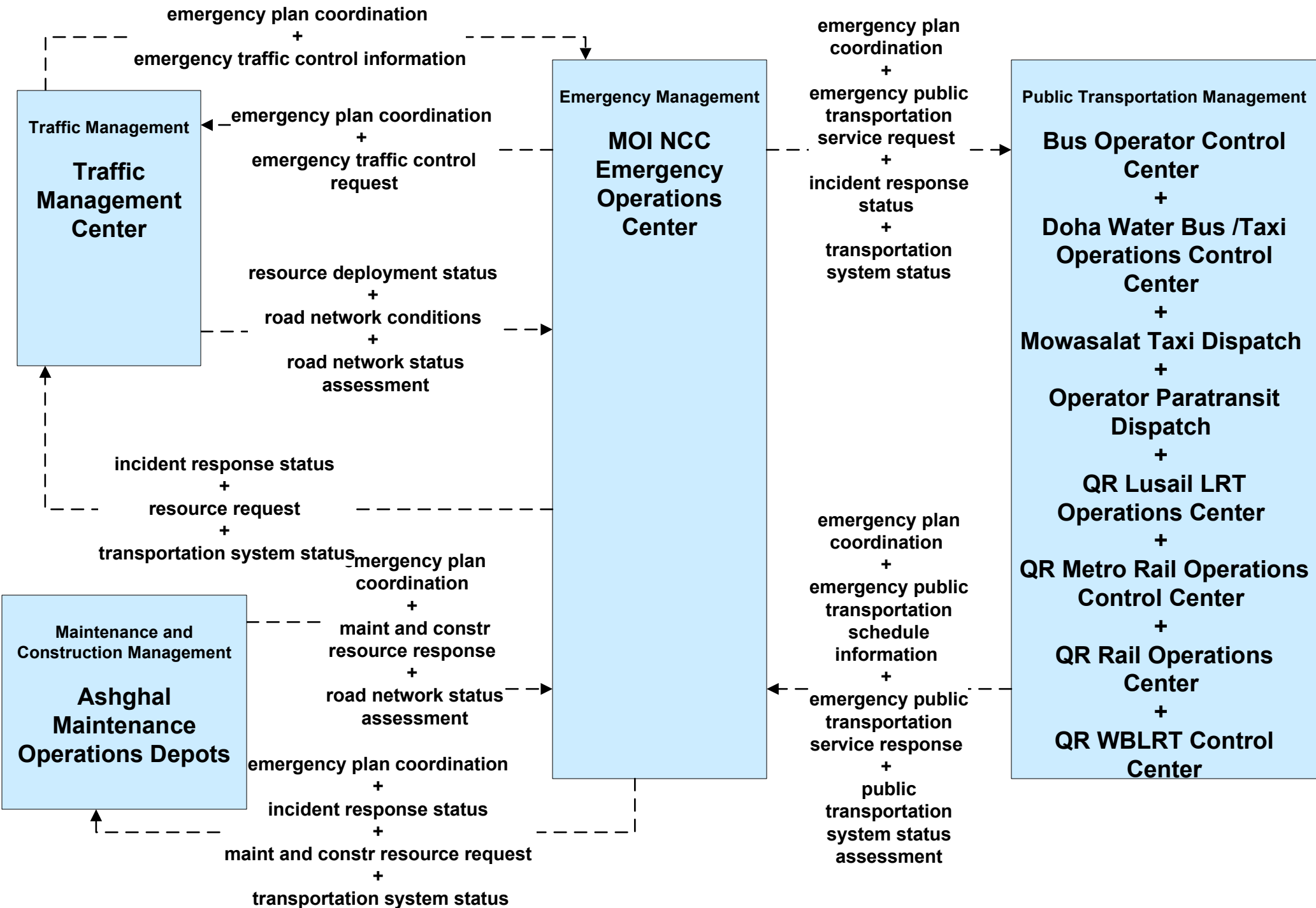
EM06 - Wide Area Alerts



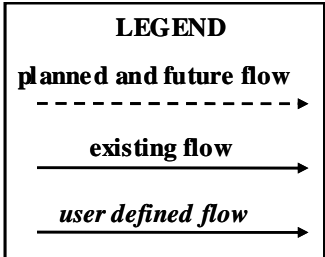
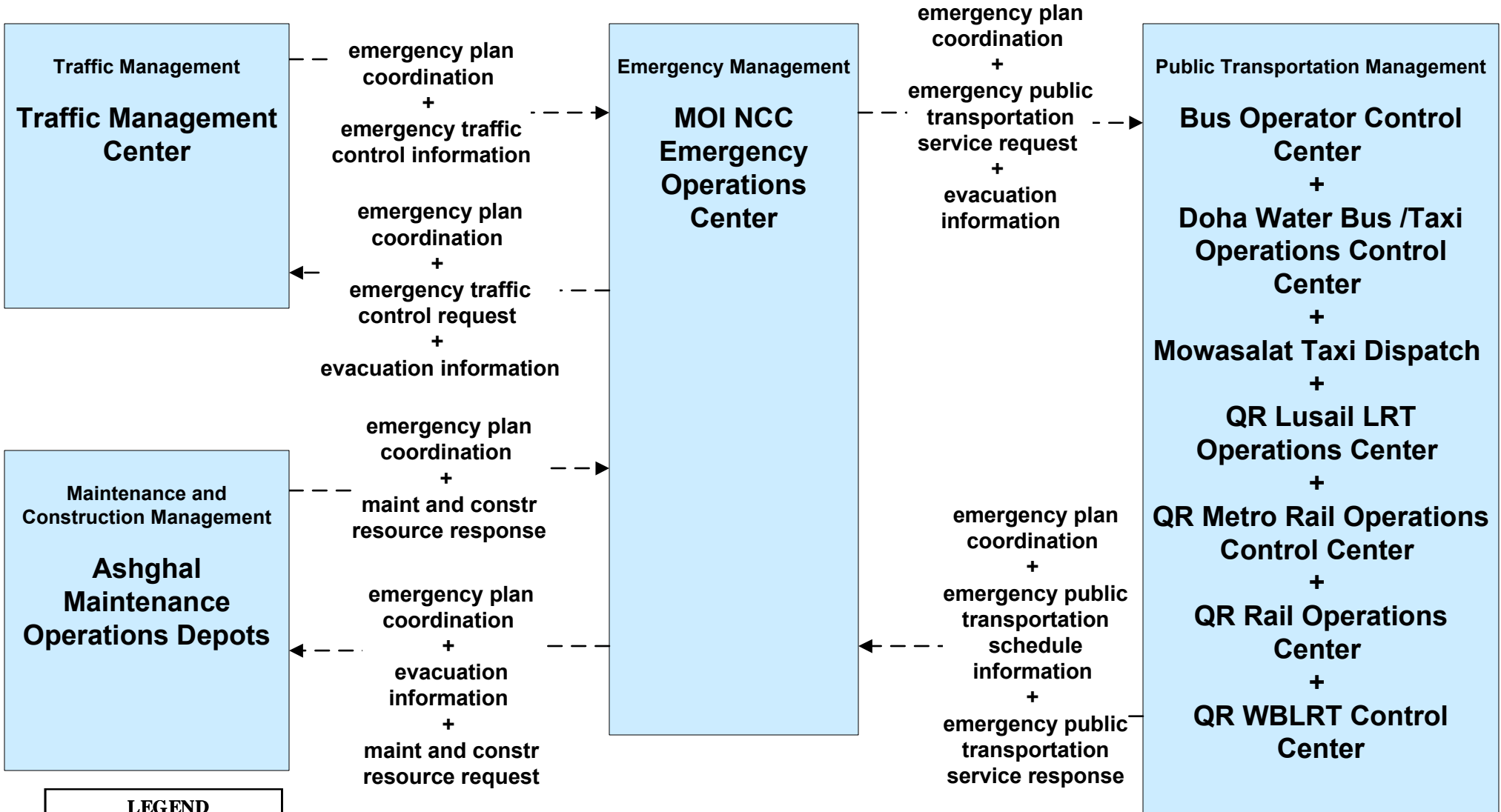
EM07 - Early Warning System



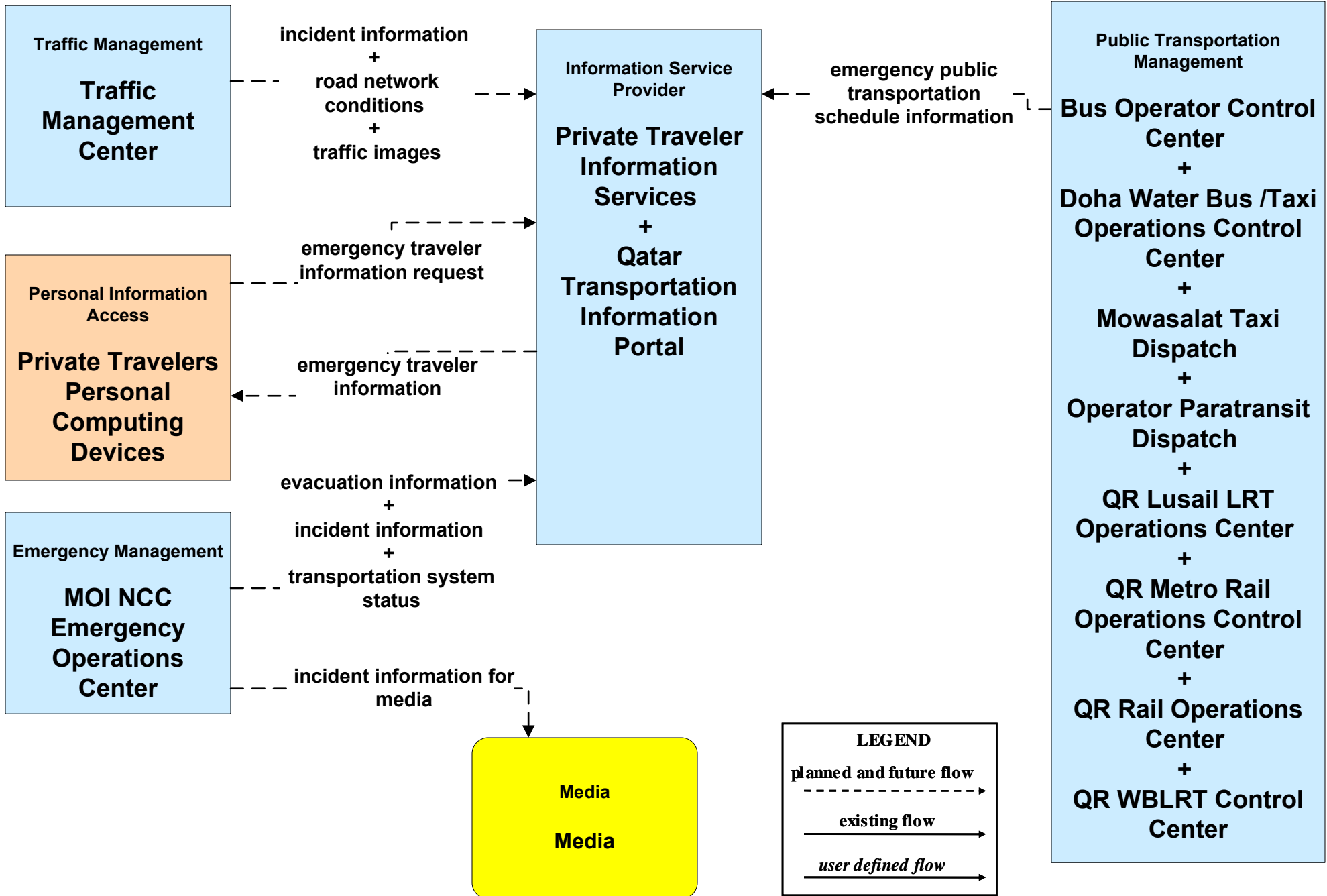
EM08 - Disaster Response



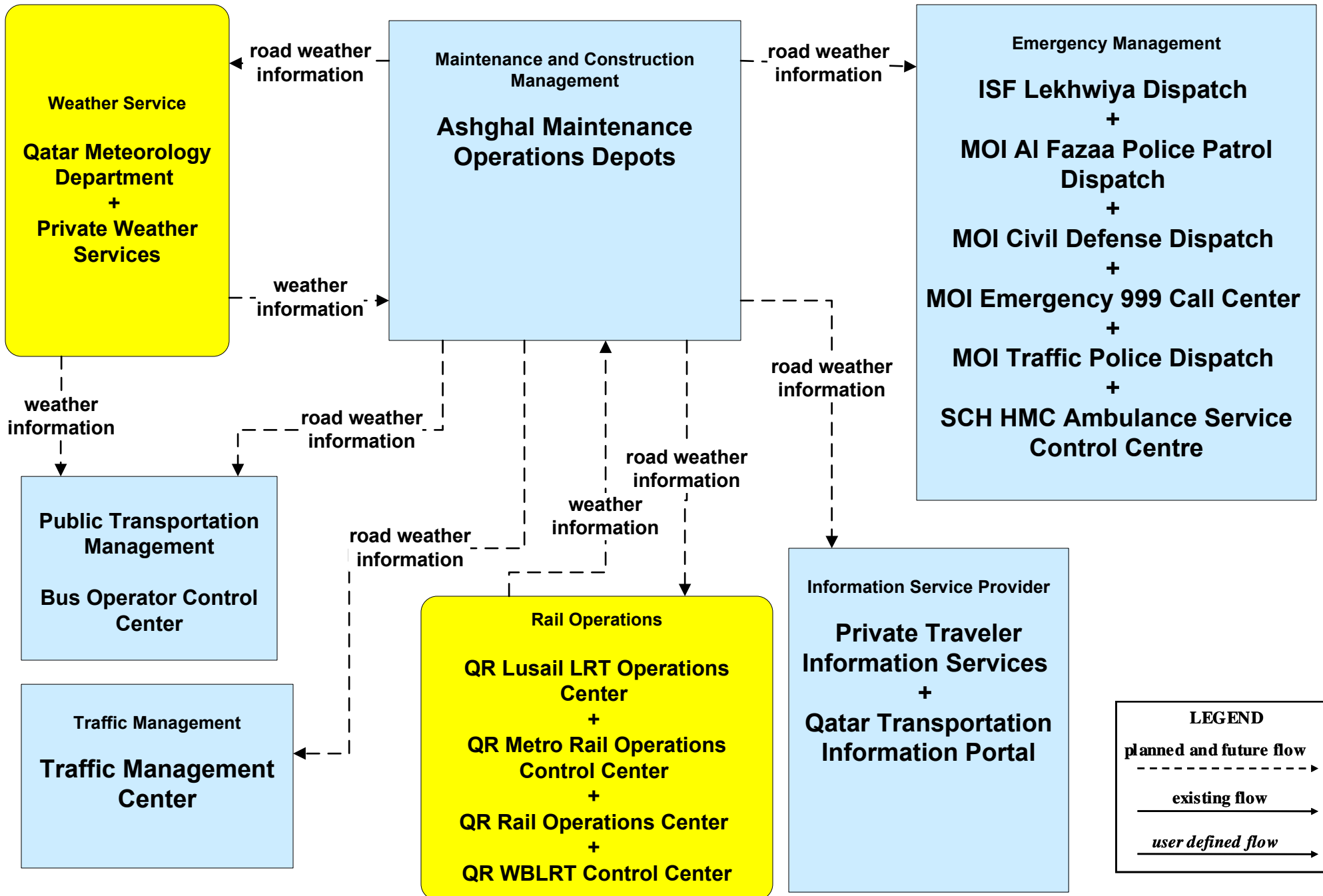
EM09 - Evacuation and Reentry Management



EM10 - Disaster Traveler Information



MC04 - Weather Information Processing and Distribution



**MC10 - Maintenance and Construction Activity Coordination
Restrictions, Work Plans and Feedback**

