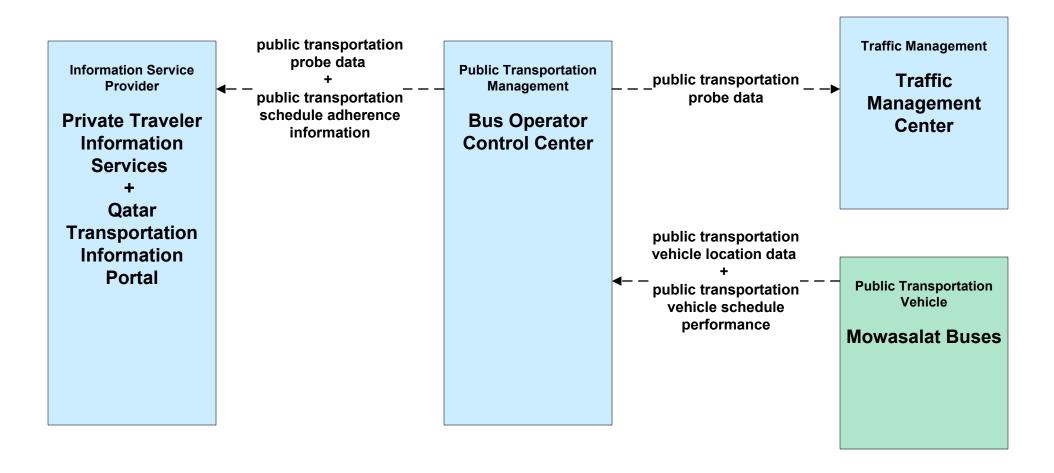
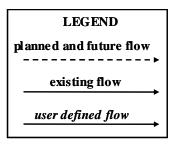
State of Qatar ITS Architecture

Customized Service Package Diagrams

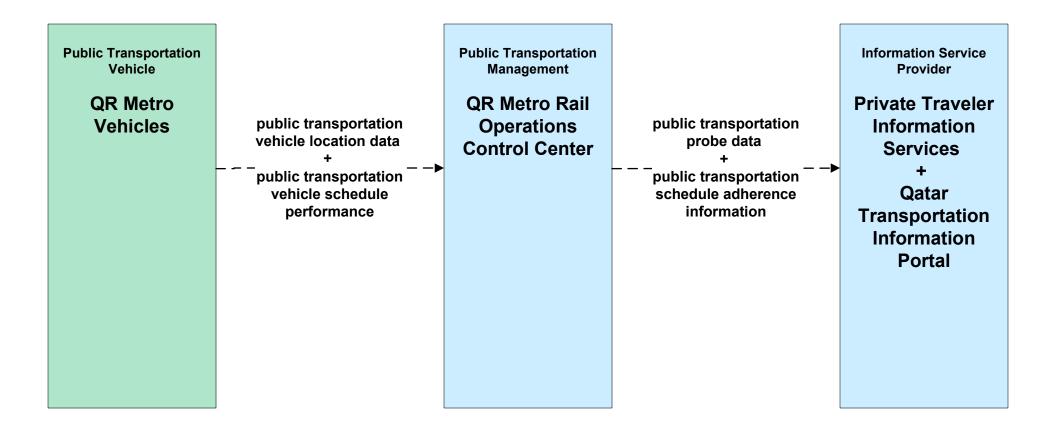
Advanced Public Transportation Systems (APTS)

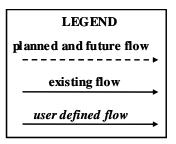
APTS01 - Public Transportation Vehicle Tracking Mowasalat Buses



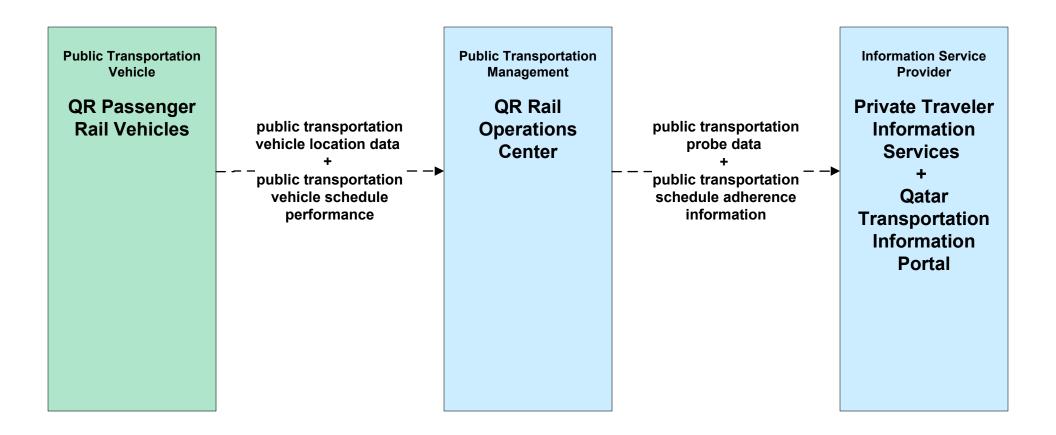


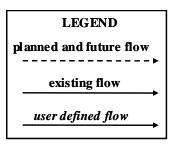
APTS01 - Public Transportation Vehicle Tracking Doha Metro



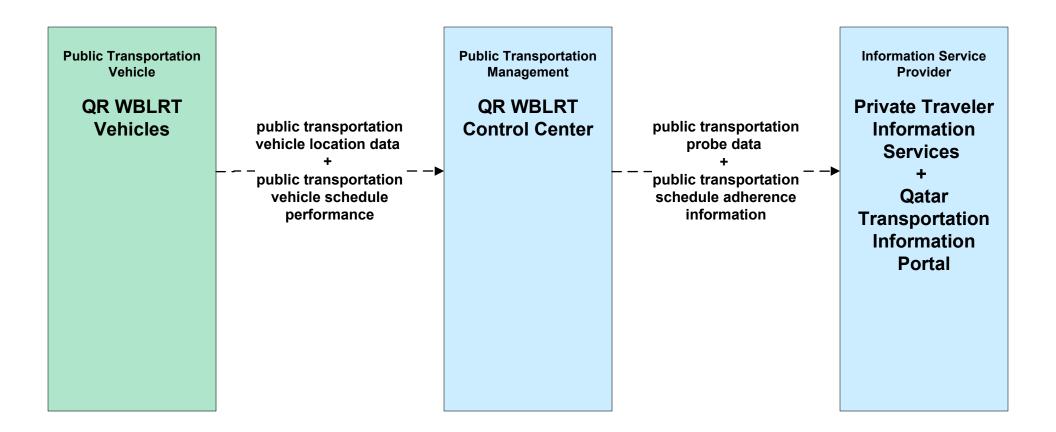


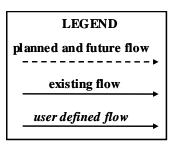
APTS01 - Public Transportation Vehicle Tracking Qatar Railways Passenger Rail



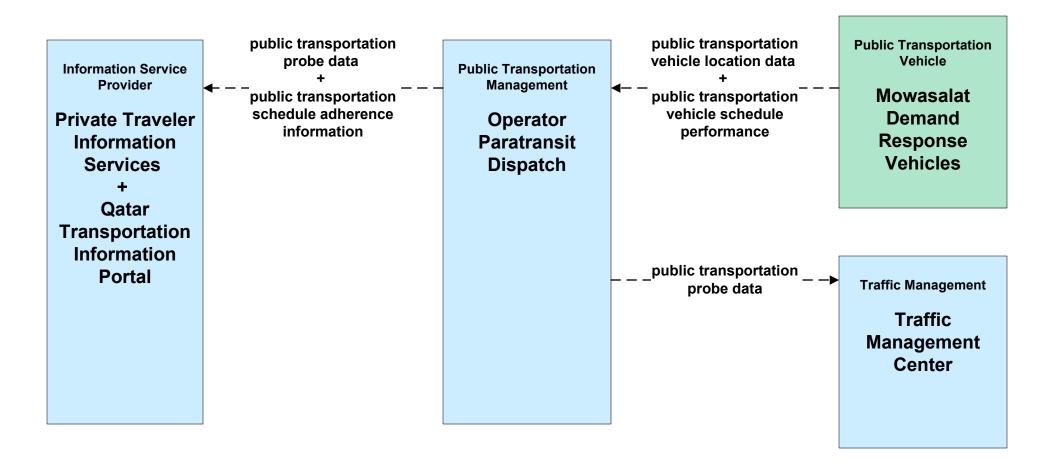


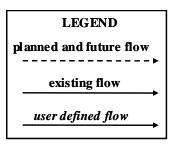
APTS01 - Public Transportation Vehicle Tracking West Bay LRT



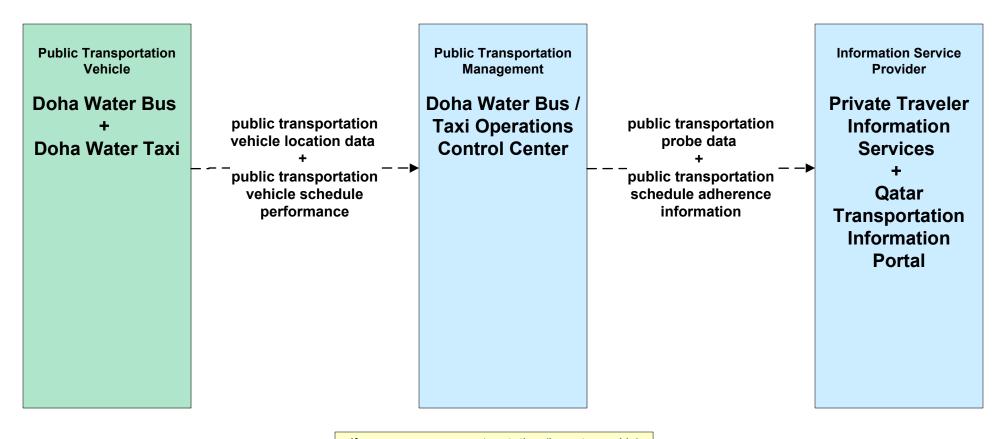


APTS01 - Public Transportation Vehicle Tracking Mowasalat Paratransit





APTS01 - Public Transportation Vehicle Tracking Doha Bay Water Bus and Taxi



LEGEND

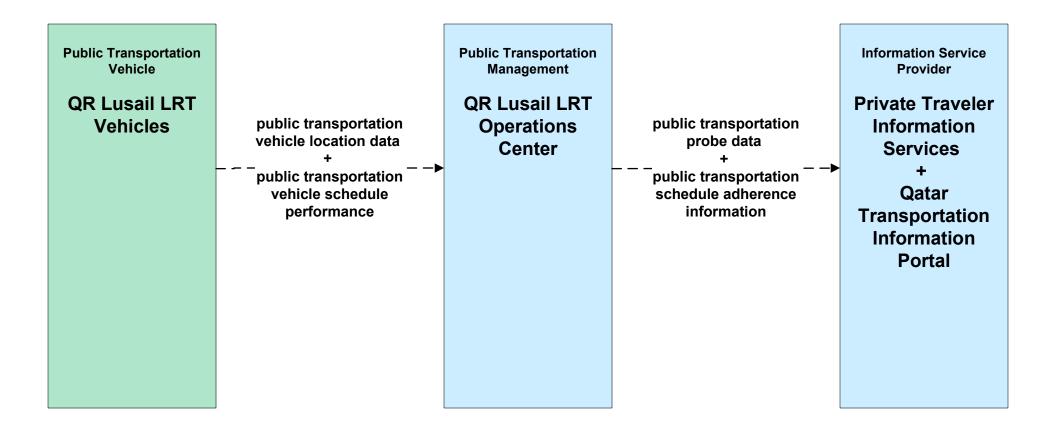
planned and future flow

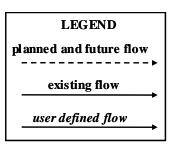
existing flow

user defined flow

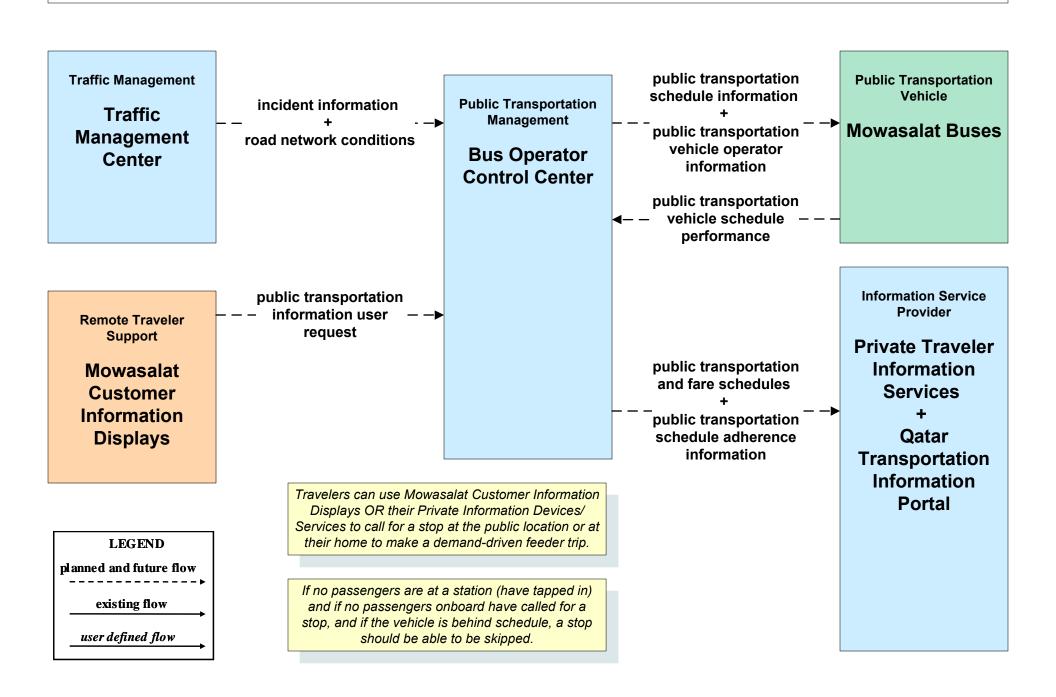
If no passengers are at a station (have tapped in) and if no passengers onboard have called for a stop, and if the vehicle is behind schedule, a stop should be able to be skipped.

APTS01 - Public Transportation Vehicle Tracking Lusail LRT

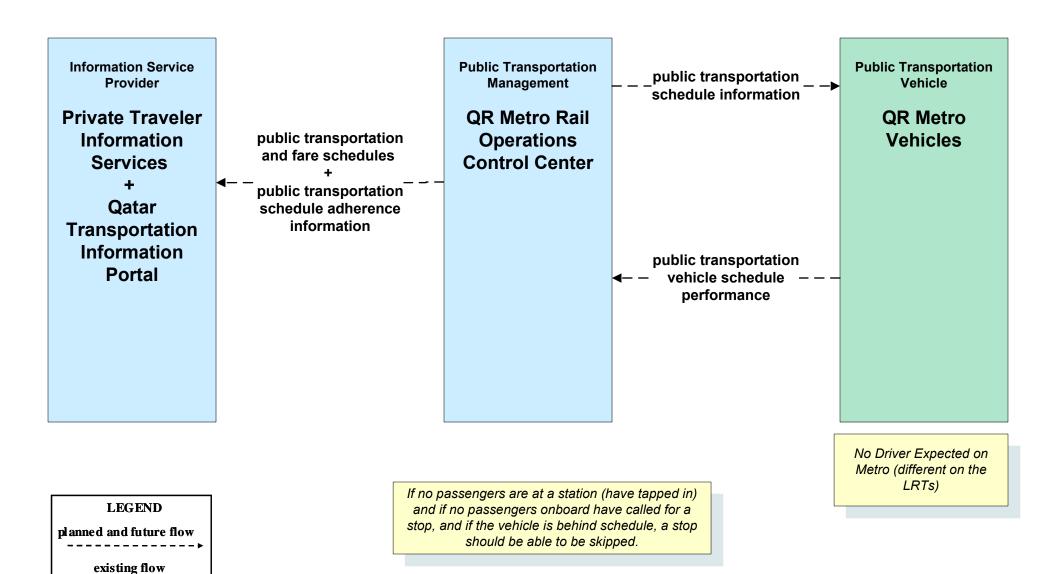




APTS02 - Public Transportation Fixed-Route Operations Mowasalat Bus

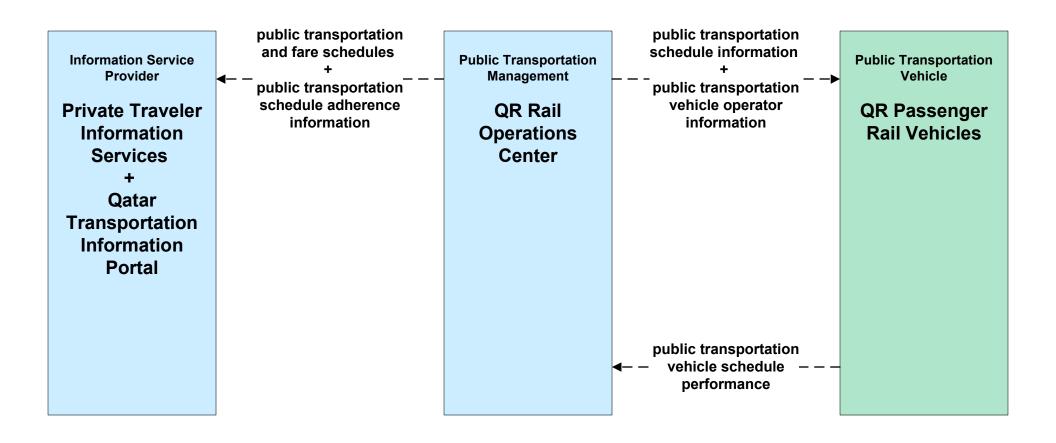


APTS02 - Public Transportation Fixed-Route Operations QR Metro Rail Operations Control Center



user defined flow

APTS02 - Public Transportation Fixed-Route Operations Qatar Passenger Rail



LEGEND

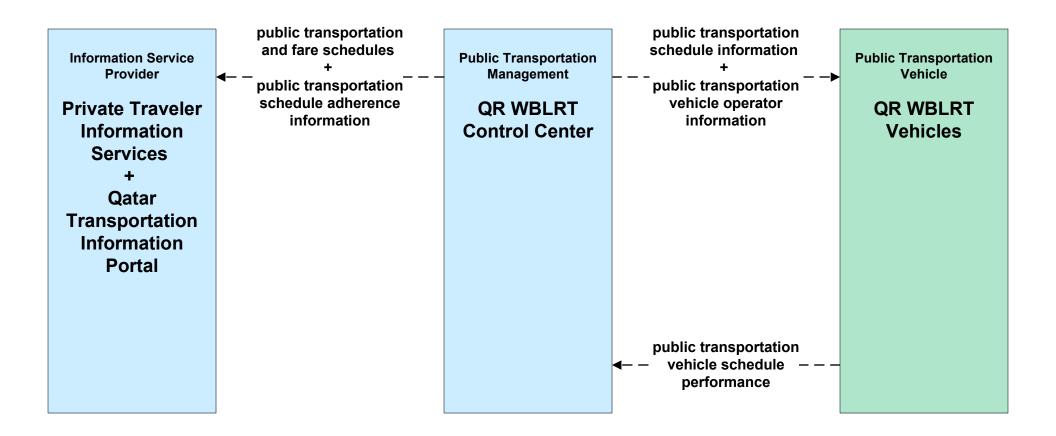
planned and future flow

existing flow

user defined flow

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



LEGEND

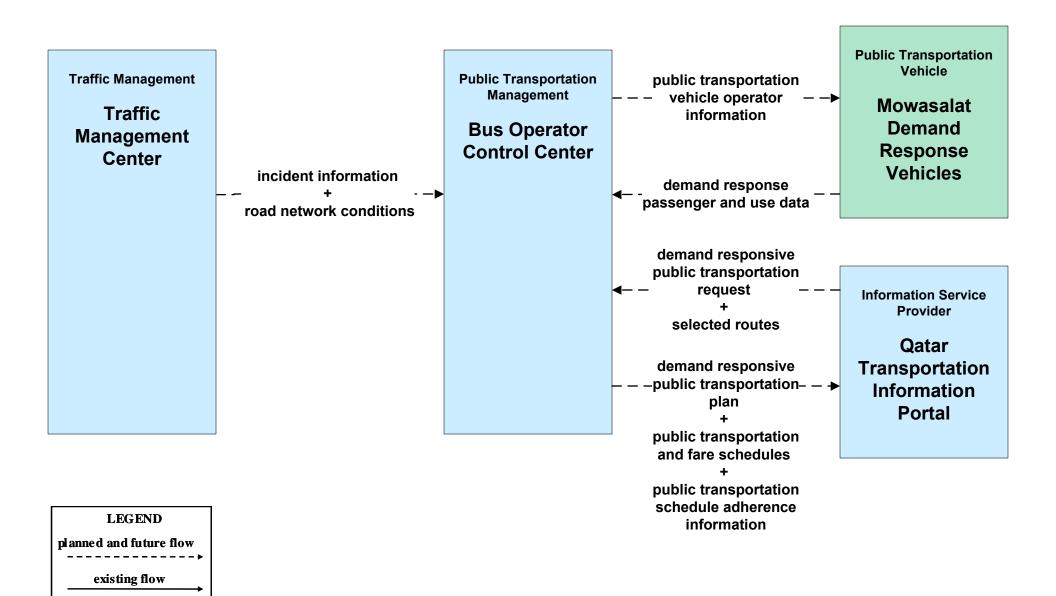
planned and future flow

existing flow

user defined flow

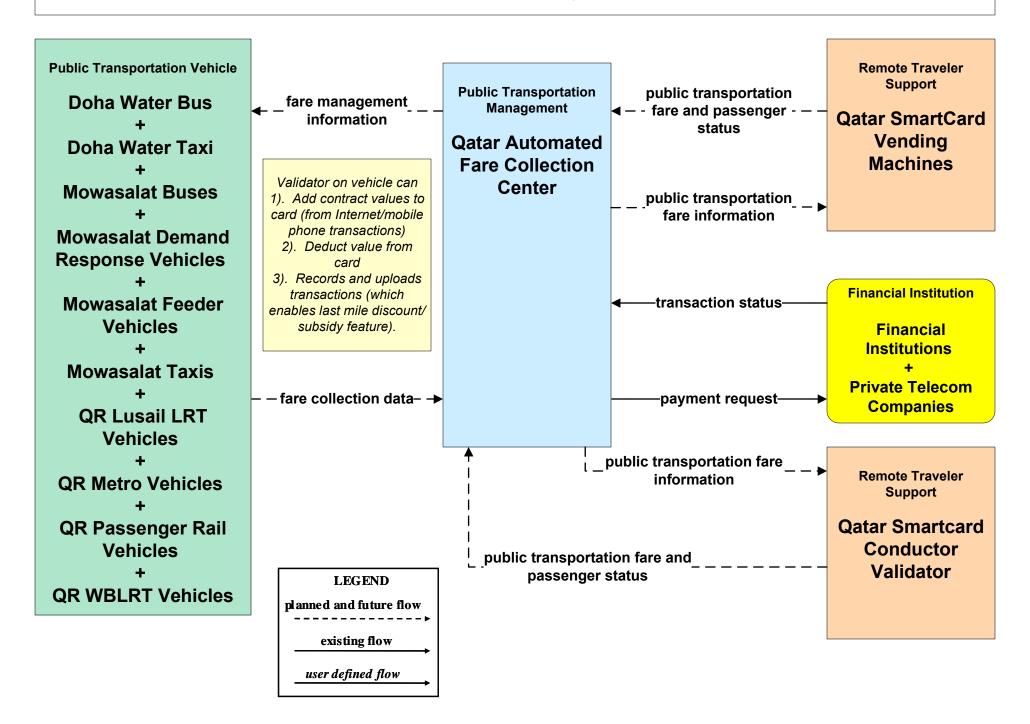
If no passengers are at a station (have tapped in) and if no passengers onboard have called for a stop, and if the vehicle is behind schedule, a stop should be able to be skipped.

APTS03 - Demand Response Public Transportation Operations Mowasalat Demand Response

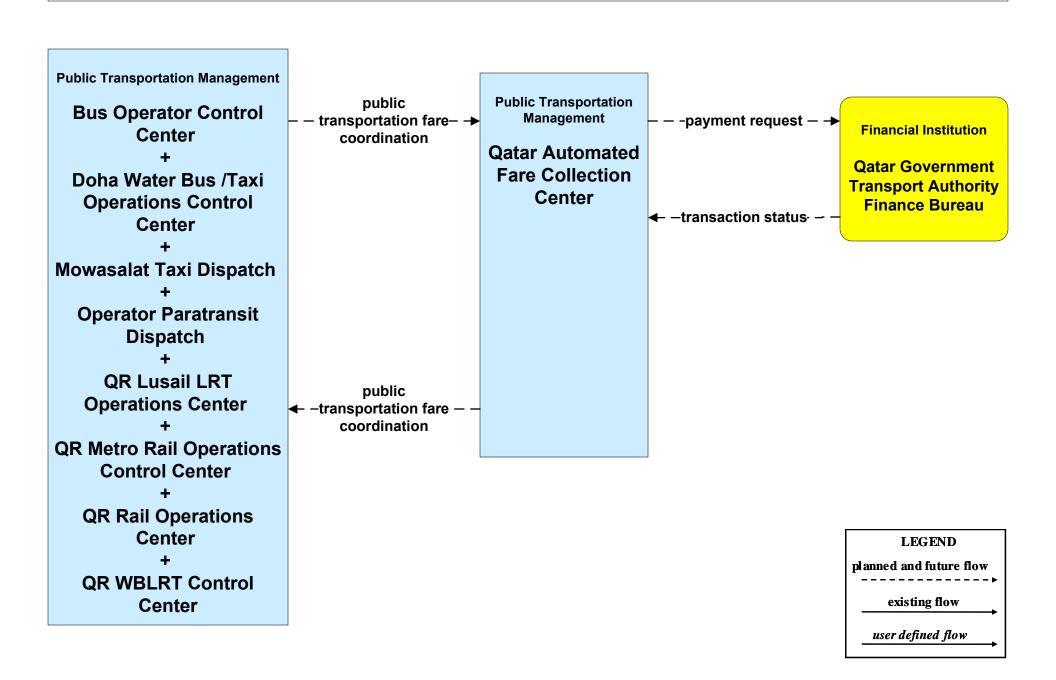


user defined flow

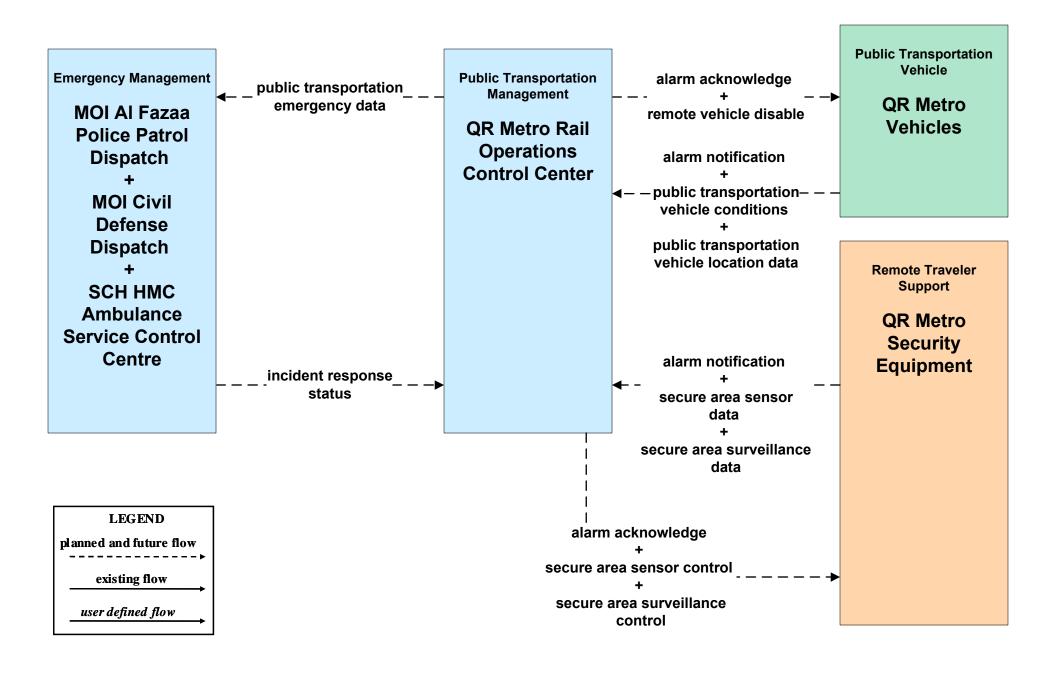
APTS04 - Public Transportation Passenger and Fare Payment Qatar SmartCard System



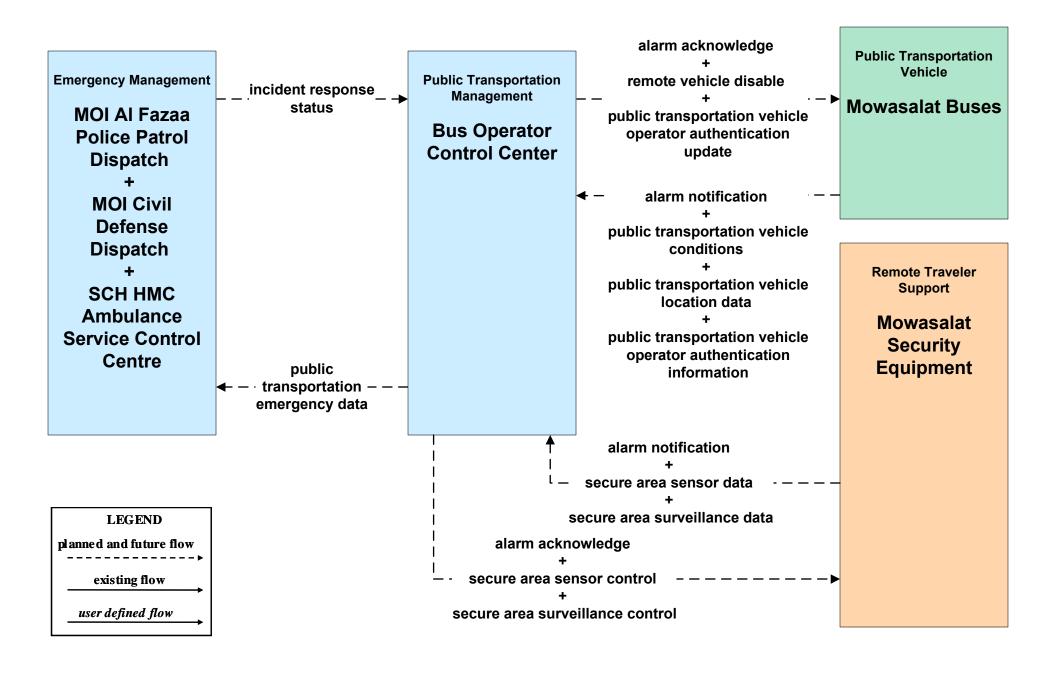
APTS04 - Public Transportation Passenger and Fare Payment Public Transportation Fare Coordination



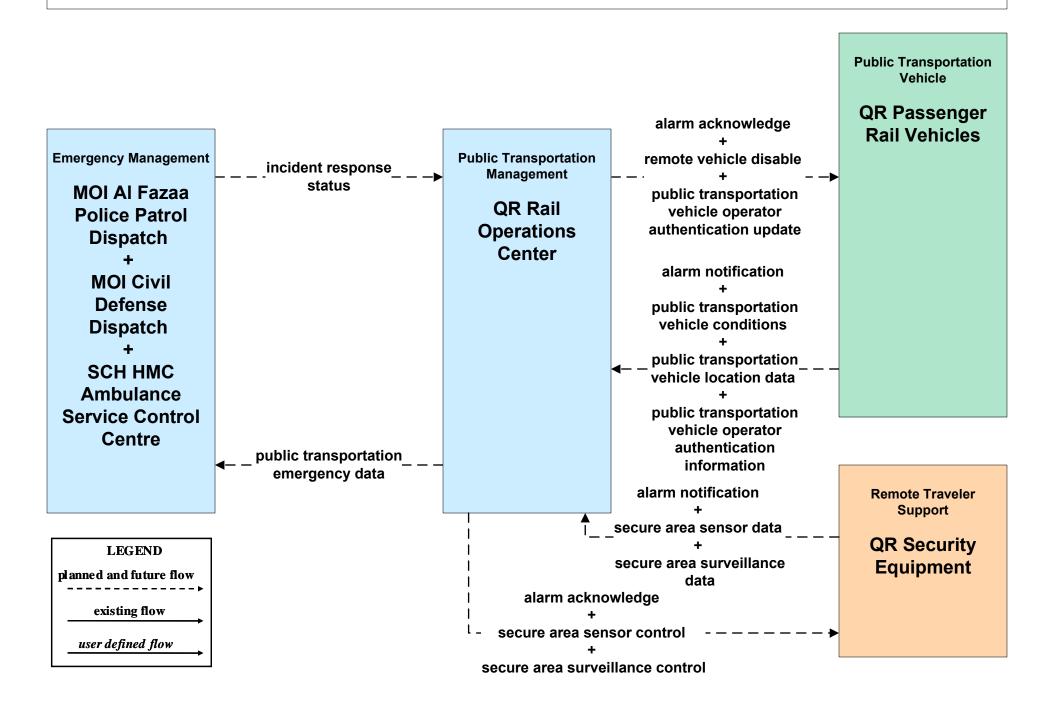
APTS05 - Public Transportation Security Doha Metro



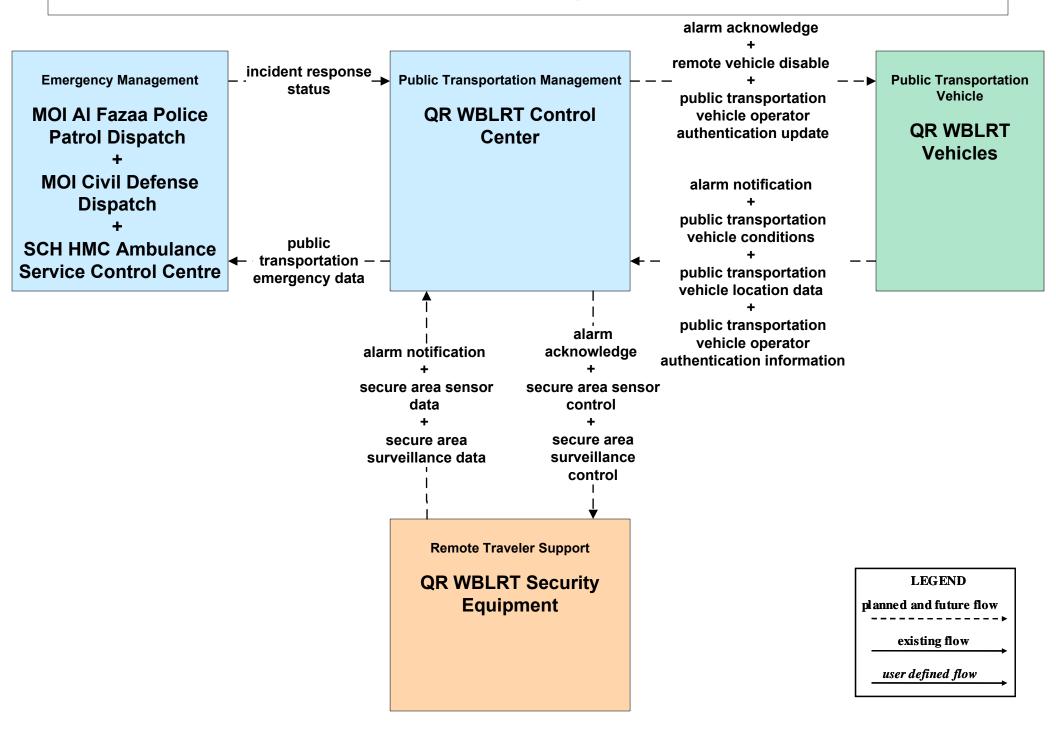
APTS05 - Public Transportation Security Mowasalat Bus



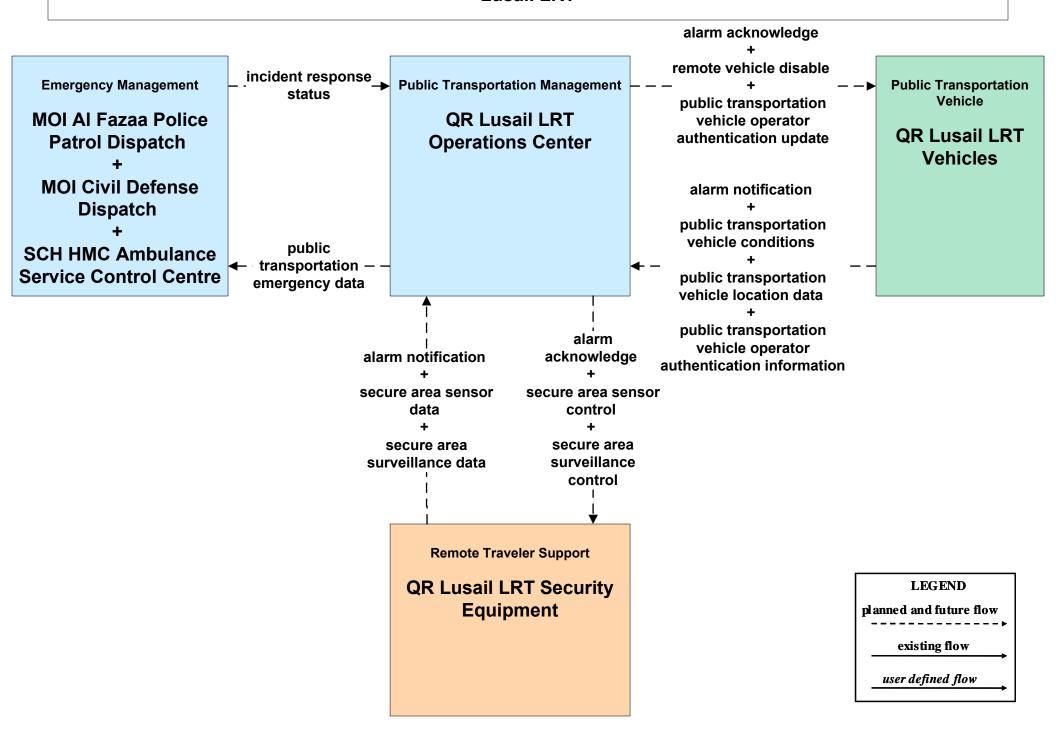
APTS05 - Public Transportation Security Qatar Railways



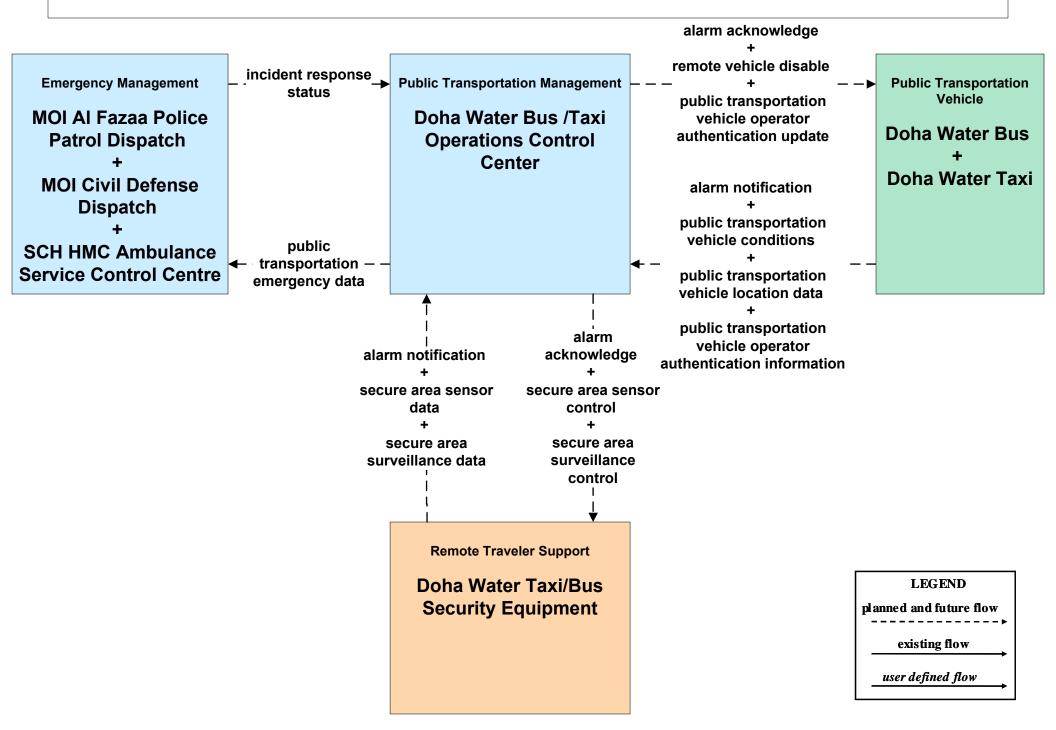
APTS05 - Public Transportation Security WBLRT (West Bay LRT)



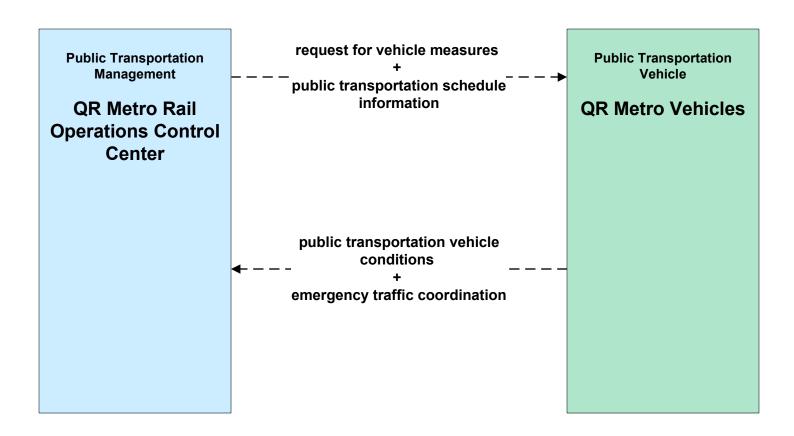
APTS05 - Public Transportation Security Lusail LRT

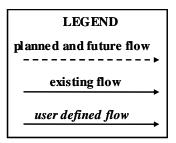


APTS05 - Public Transportation Security Doha Water Bus and Taxi

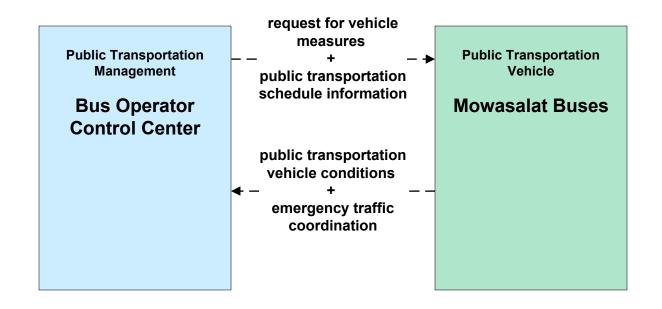


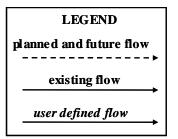
APTS06 - Public Transportation Fleet Management Doha Metro



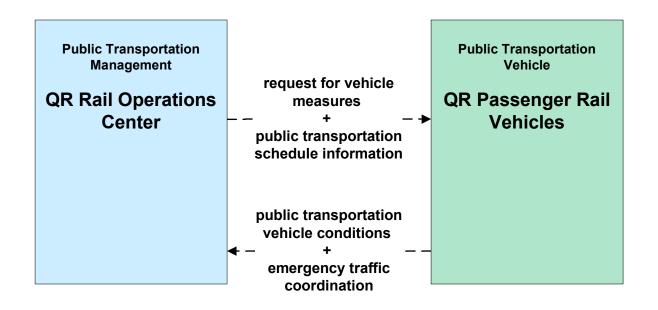


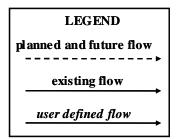
APTS06 - Public Transportation Fleet Management Mowasalat Bus



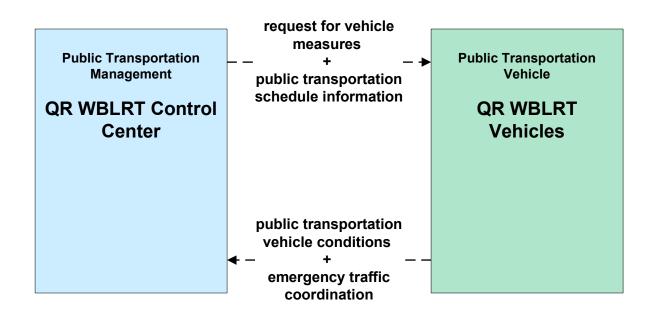


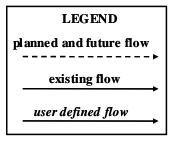
APTS06 - Public Transportation Fleet Management Qatar Railways



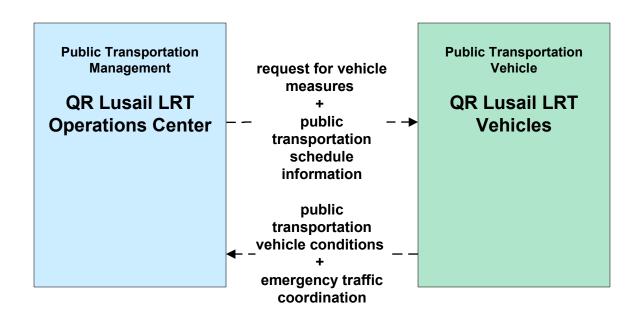


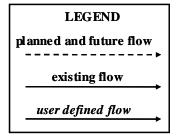
APTS06 - Public Transportation Fleet Management WBLRT



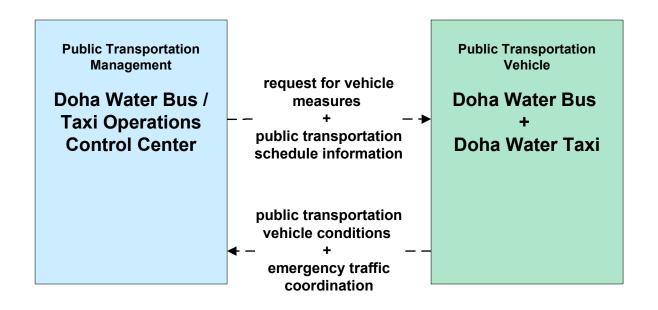


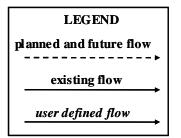
APTS06 - Public Transportation Fleet Management Lusail LRT



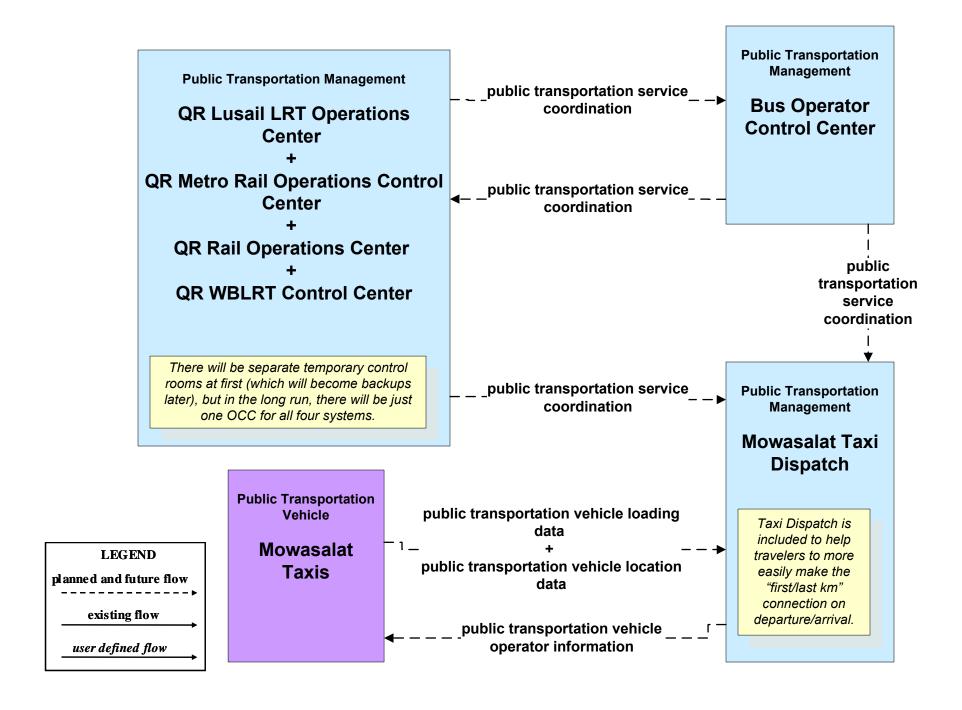


APTS06 - Public Transportation Fleet Management Doha Water Bus

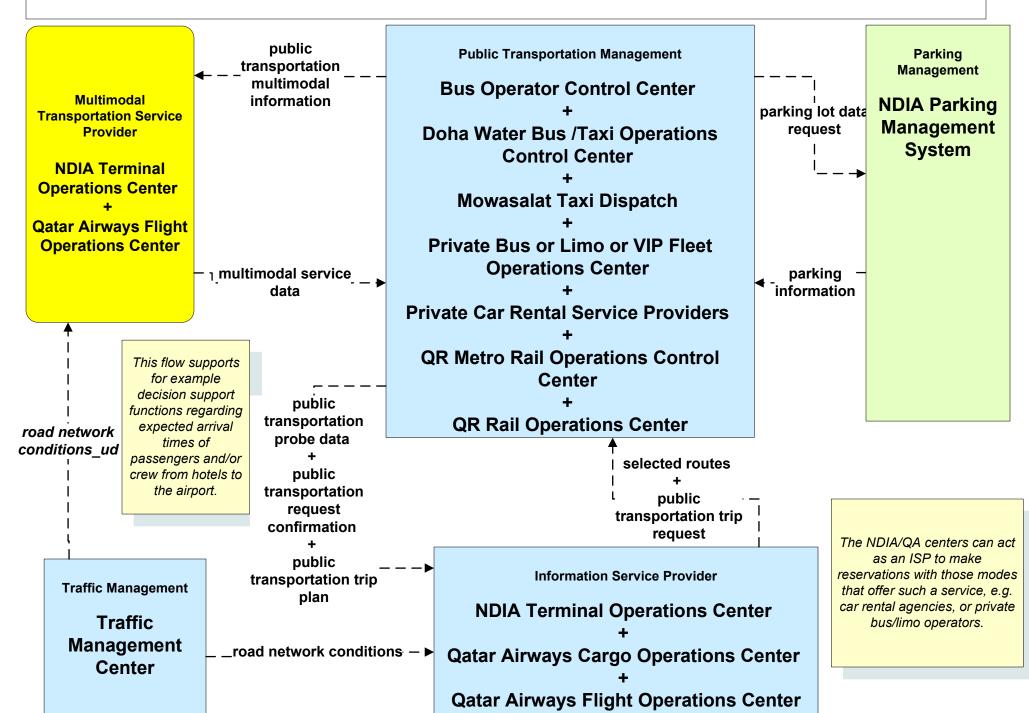




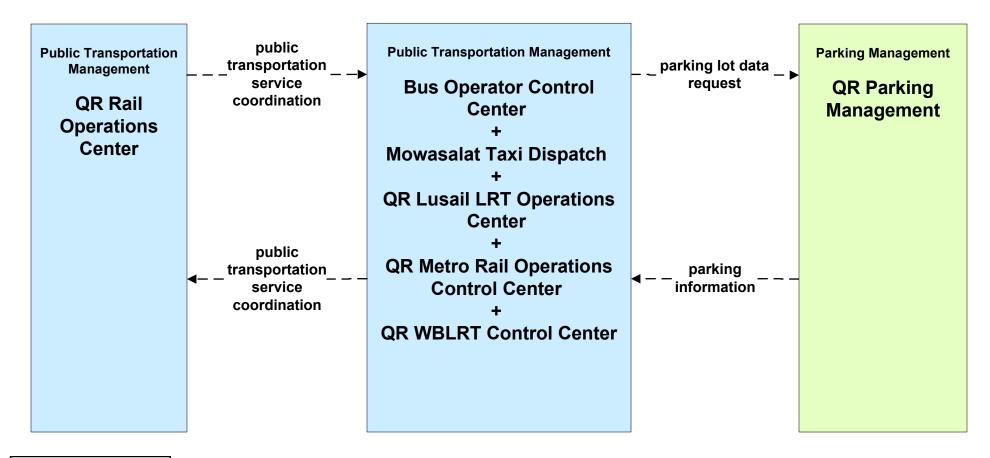
APTS07 - Multimodal Coordination Public Transportation Information Exchange



APTS07 - Multimodal Coordination NDIA



APTS07 - Multimodal Coordination Qatar Railways



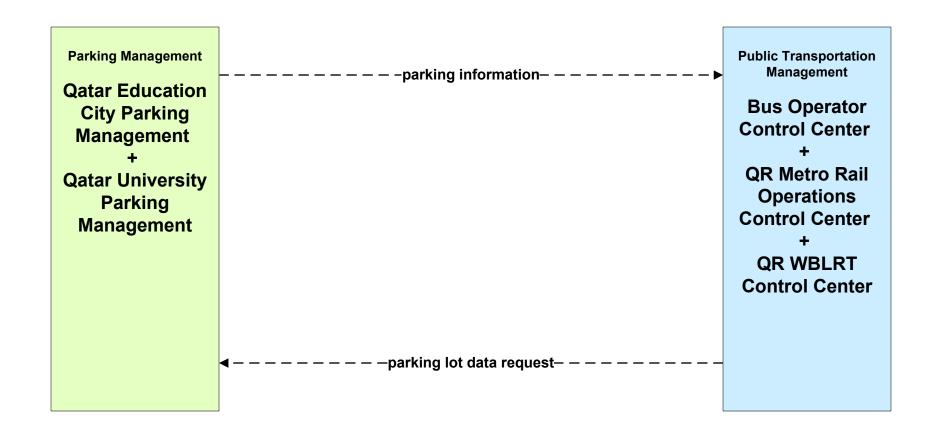
LEGEND

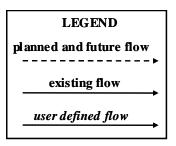
planned and future flow

existing flow

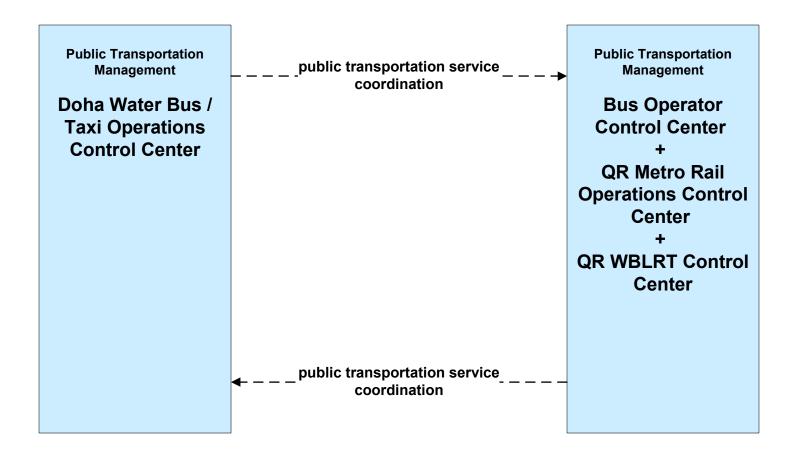
user defined flow

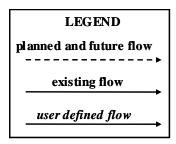
APTS07 - Multimodal Coordination Qatar Education City and Qatar University



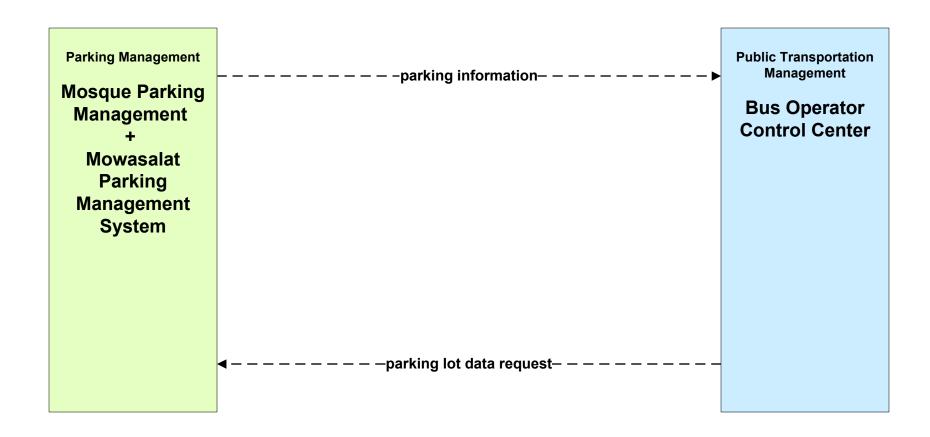


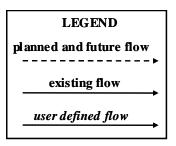
APTS07 - Multimodal Coordination Doha Bay Water Bus and Taxi



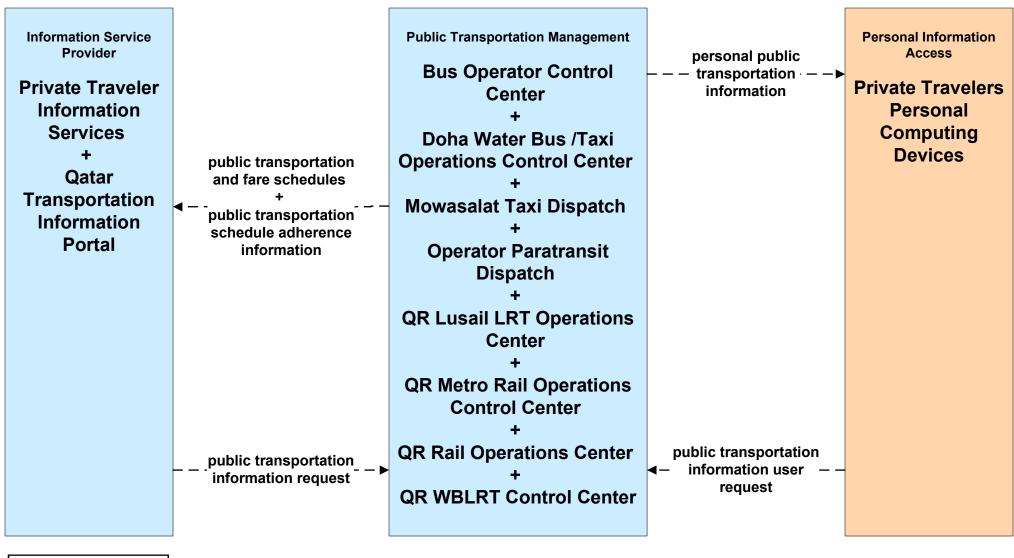


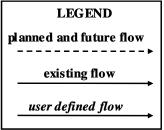
APTS07 - Multimodal Coordination Mosque Parking



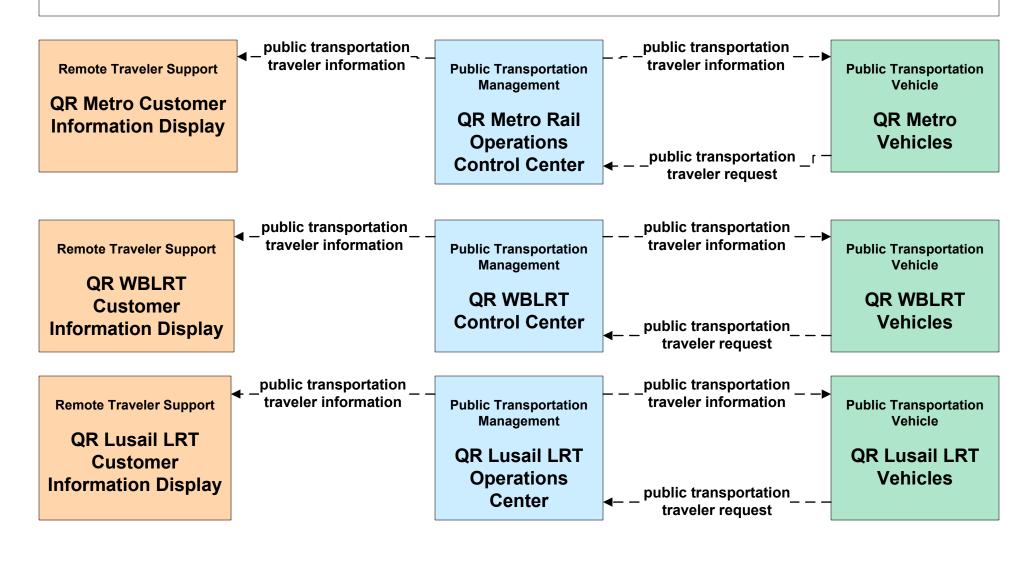


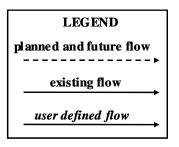
APTS08 - Public Transportation Traveler Information Private Traveler Information



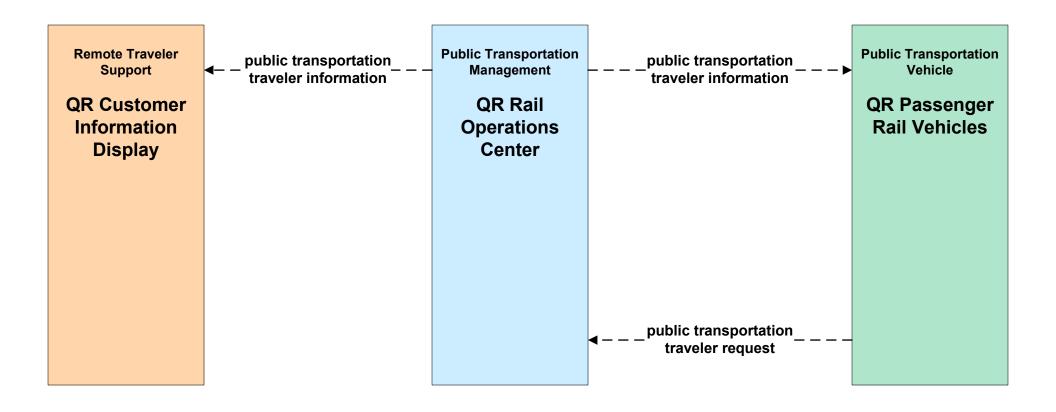


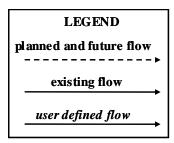
APTS08 - Public Transportation Traveler Information Rail



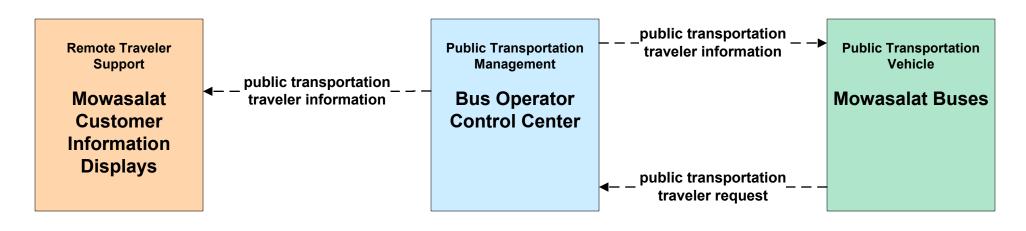


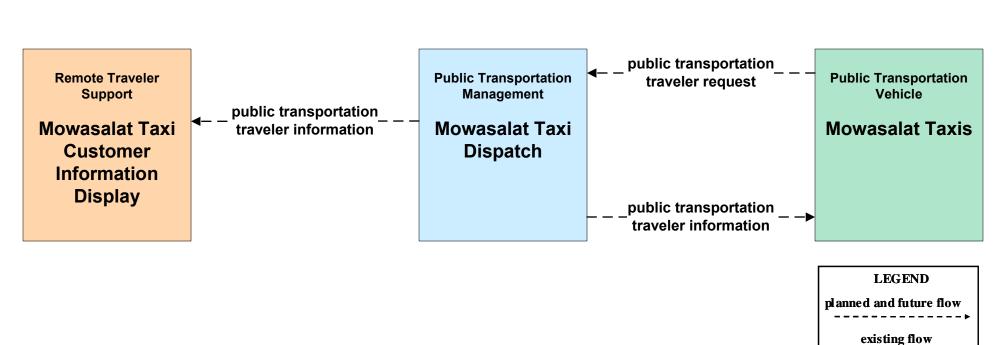
APTS08 - Public Transportation Traveler Information Qatar Passenger Rail





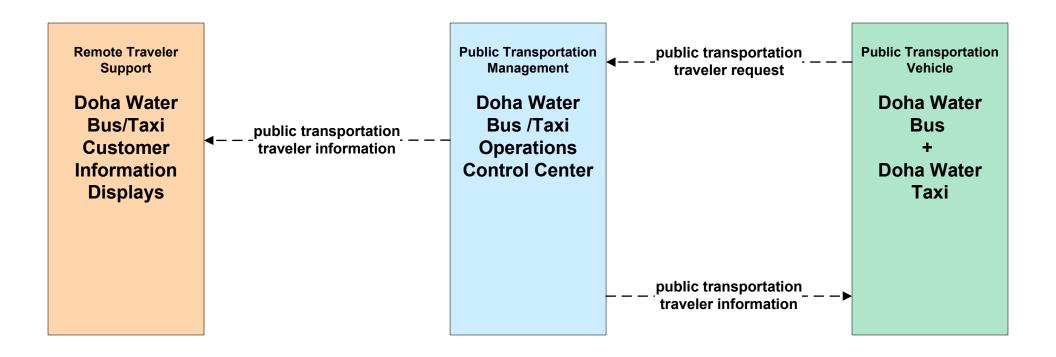
APTS08 - Public Transportation Traveler Information Mowasalat

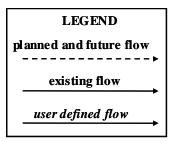




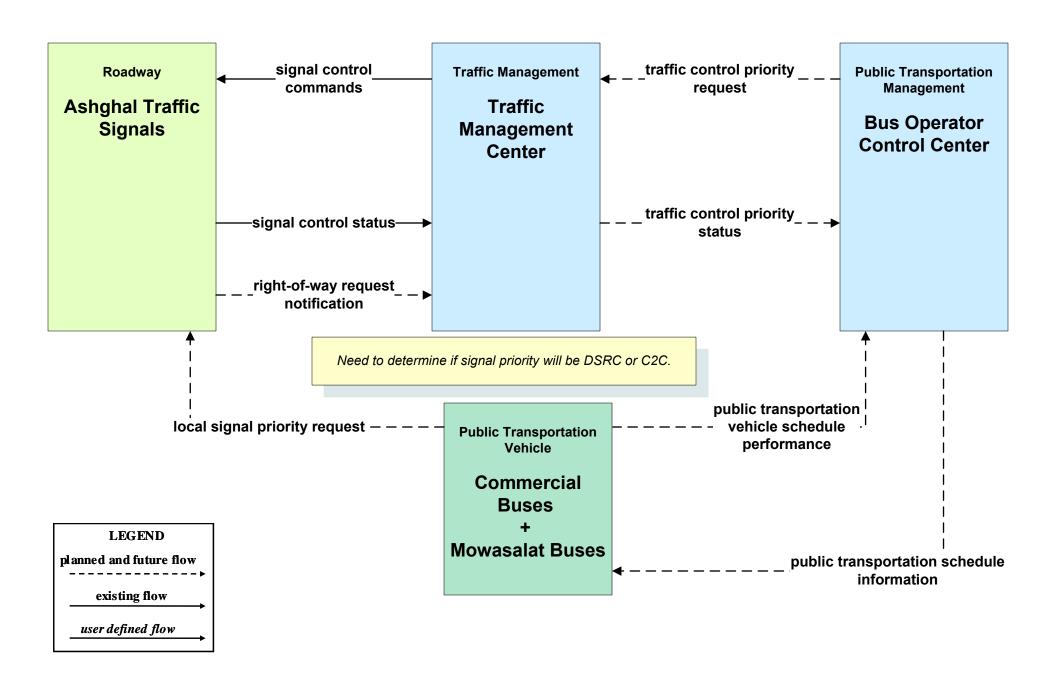
user defined flow

APTS08 - Public Transportation Traveler Information Doha Bay Water Taxi

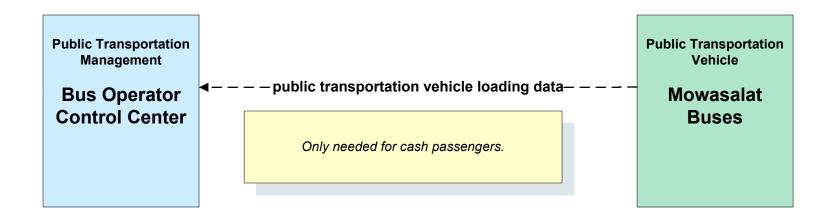


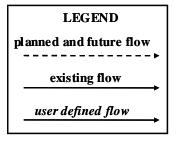


APTS09 - Public Transportation Signal Priority Mowasalat Buses



APTS10 – Public Transportation Passenger Counting Mowasalat





APTS10 – Public Transportation Passenger Counting Doha Bay Water Taxi

