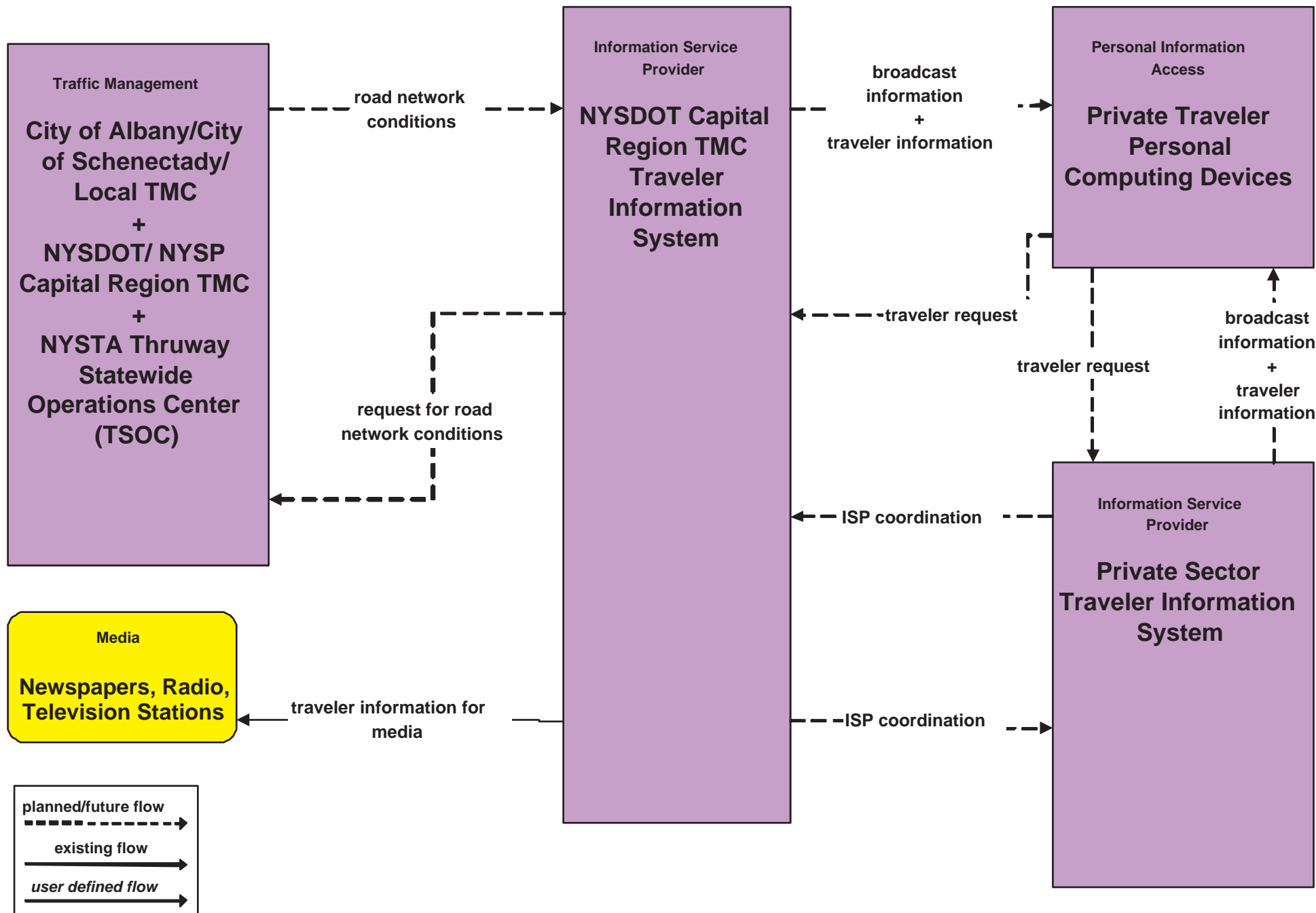# New York Capital District Regional ITS Architecture
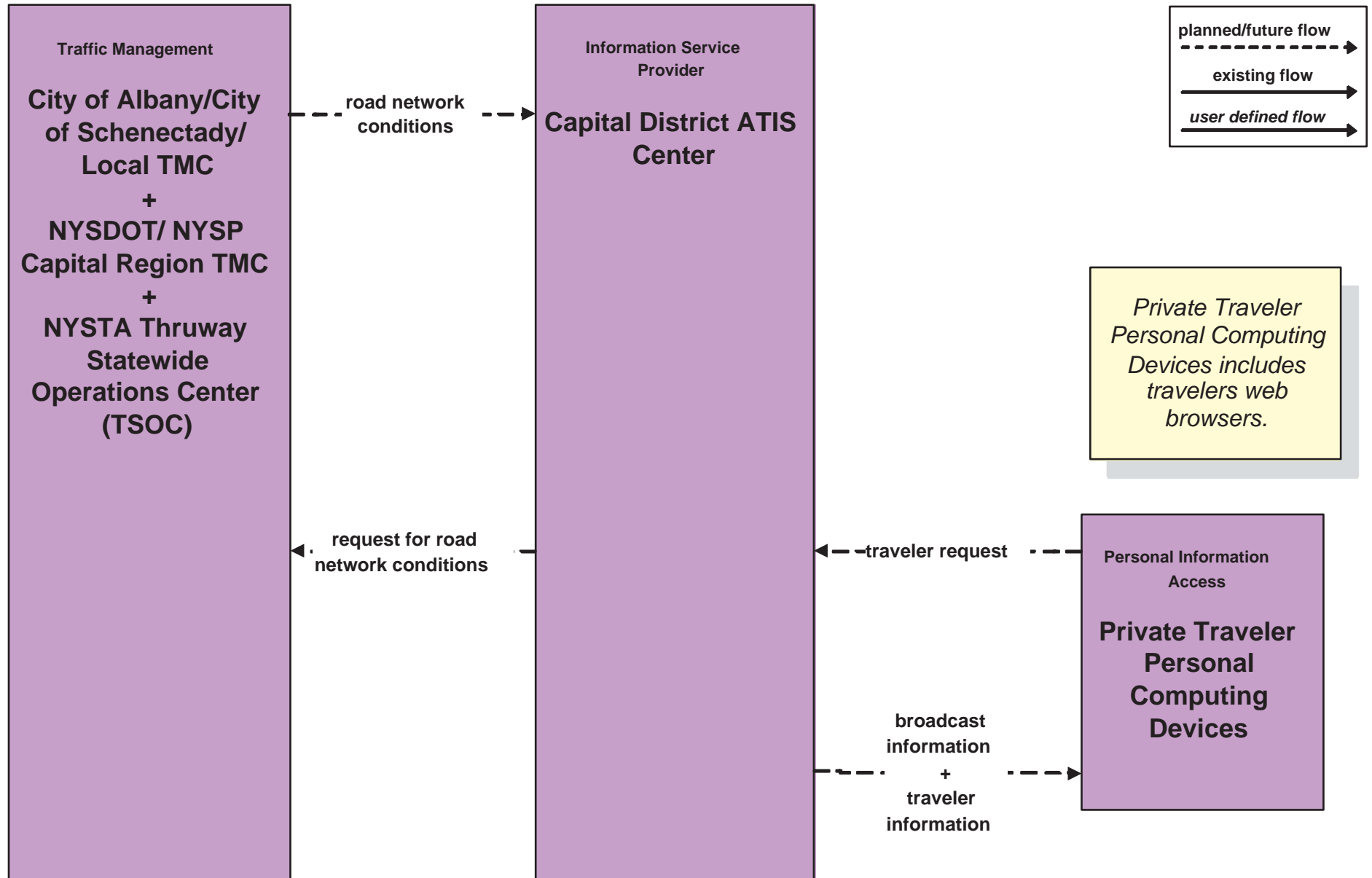
Customized Market Package Diagrams

Advanced Traveler Information Systems (ATIS)

ATIS2 - Interactive Traveler Information
NYSDOT

Traffic Management

**City of Albany/City of Schenectady/ Local TMC
+
NYSDOT/ NYSP Capital Region TMC
+
NYSTA Thruway Statewide Operations Center (TSOC)**

road network conditions

request for road network conditions

Information Service Provider

NYSDOT Capital Region TMC Traveler Information System

broadcast information
+
traveler information

Personal Information Access

Private Traveler Personal Computing Devices

traveler request

traveler request

broadcast information
+
traveler information

ISP coordination

Information Service Provider

Private Sector Traveler Information System

Media

Newspapers, Radio, Television Stations

traveler information for media

ISP coordination

planned/future flow

existing flow

user defined flow

ATIS2 - Interactive Traveler Information
Capital District ATIS Center

Traffic Management

City of Albany/City of Schenectady/ Local TMC
+
NYSDOT/ NYSP Capital Region TMC
+
NYSTA Thruway Statewide Operations Center (TSOC)

Information Service Provider

Capital District ATIS Center

road network conditions →

← request for road network conditions

Personal Information Access

Private Traveler Personal Computing Devices

← traveler request

broadcast information
+
traveler information →

Private Traveler Personal Computing Devices includes travelers web browsers.

planned/future flow ⇢
existing flow →
user defined flow →

ATIS2 - Interactive Traveler Information
Capital District ATIS Center

planned/future flow

existing flow

user defined flow

Traffic Management

Capital District ATIS Center

Roadway Subsystem

RPI Transmit System

Vehicle

Private Vehicles

← vehicle probe data

← vehicle probe data

vehicle probe data_ud

Information Service Provider

Regional Cellular Telco Probe Service

Vehicle

Private Vehicles

← vehicle probe data

vehicle probe data_ud

Transit Management

CDTA Transit Dispatch

Transit Vehicle Subsystem

CDTA Transit Vehicles

transit vehicle location data