

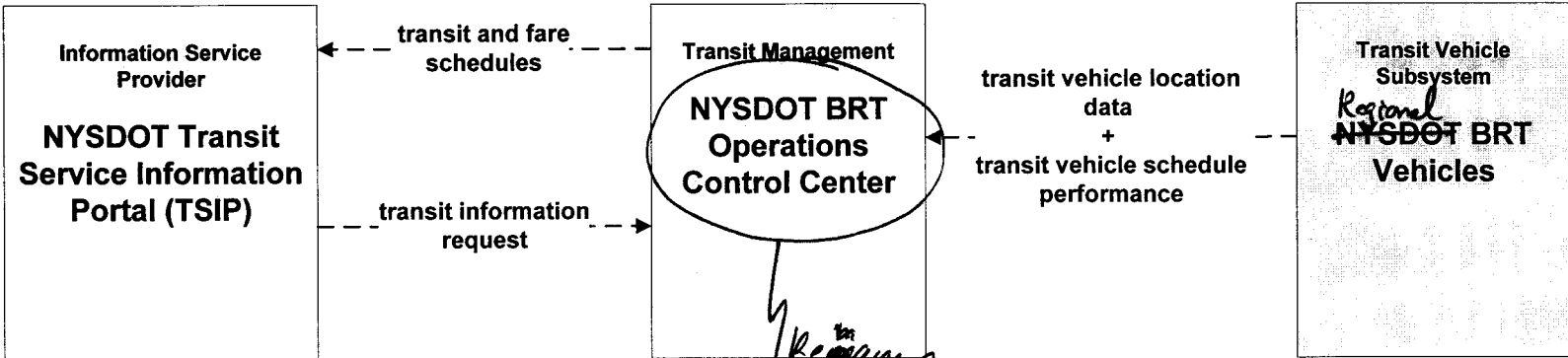
Market Package review for NYSDOT Transit Service Information Portal (TSIP) & NYSDOT Bus Rapid Transit (BRT)
December 8, 2008

List of Market Package Diagrams

- All of APTS (APTS01-1 through APTS10-2)
- ATIS01-2
- MC04-2 (has a question)
- MC06-3
- EM01-2
- AD2-2

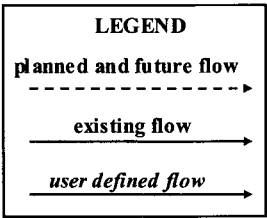
*Want a template for BRT's in each regional ITS Arch.
-May want to do an associated White Paper on how each Regional ITS Arch should use.

APTS01 - Transit Vehicle Tracking
NYSDOT BRT
Regional



rename

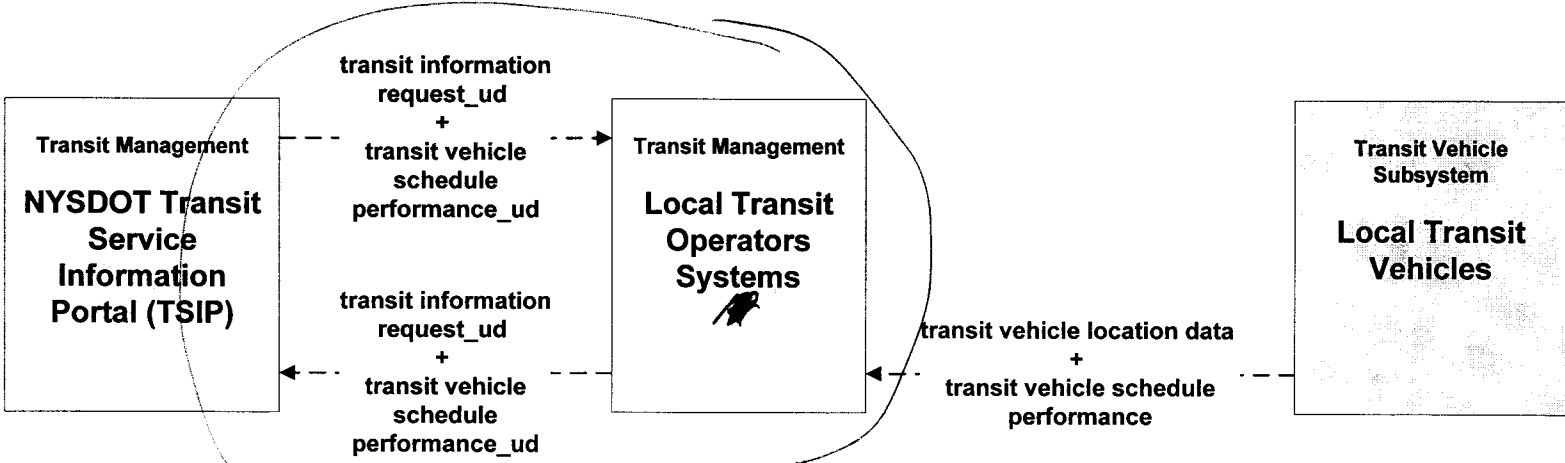
Regional BRT Operations Control Center



stat

APTS01 - Transit Vehicle Tracking
- NYSDOT TSIP

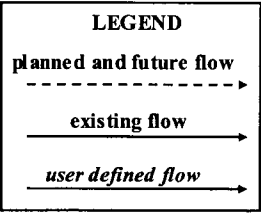
Multi-Operator Exchange (Operations & Coordination)



Why the UD flows?

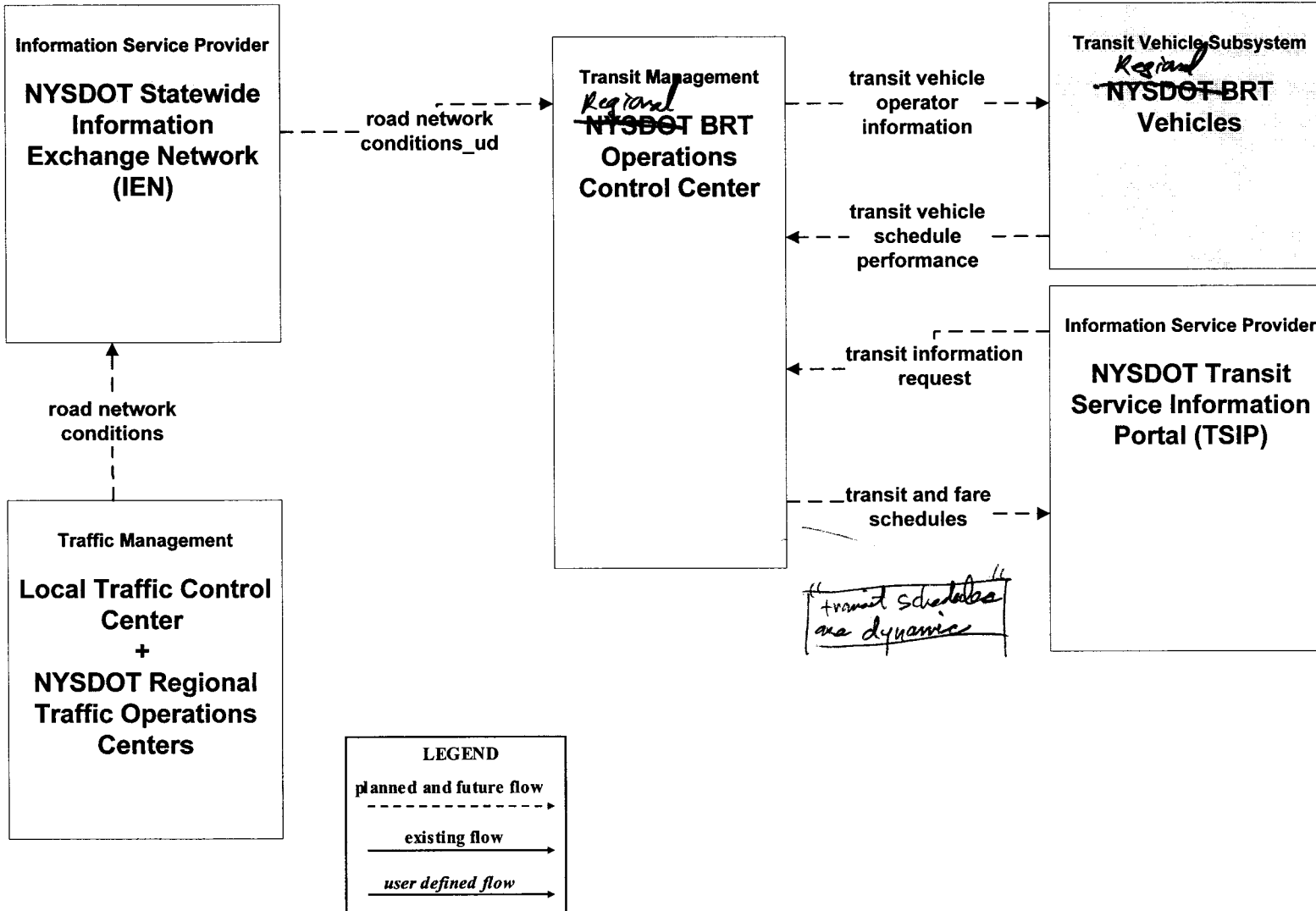
this is ~~not~~

Use this interface for the Regional BRT O/C

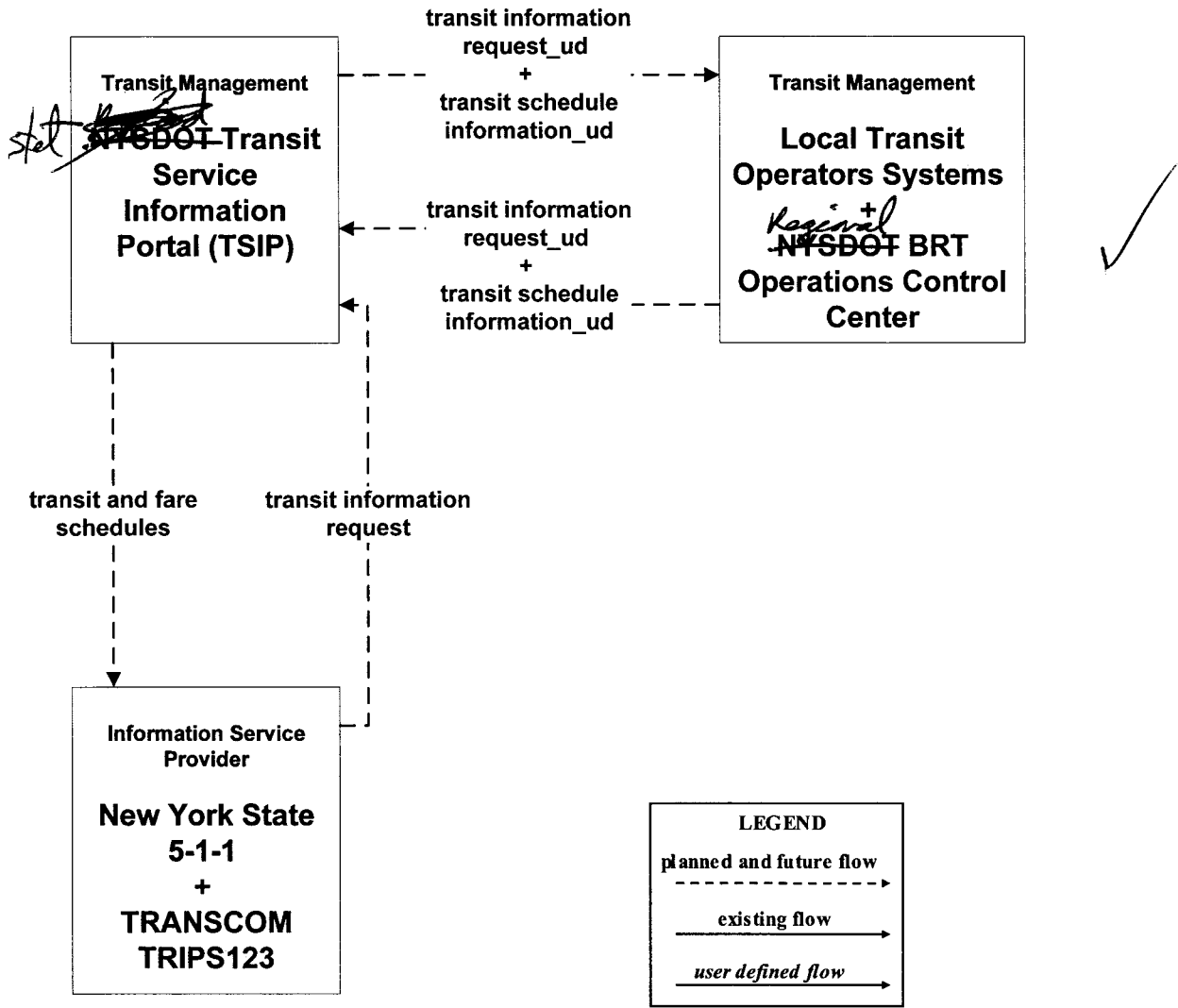


APTS02 - Transit Fixed-Route Operations

~~NYSDOT BRT~~
Regional



**APTS02 - Transit Fixed-Route Operations
NYSDOT TSIP**



**APTS03 - Demand Response Transit Operations
NYSDOT BRT**

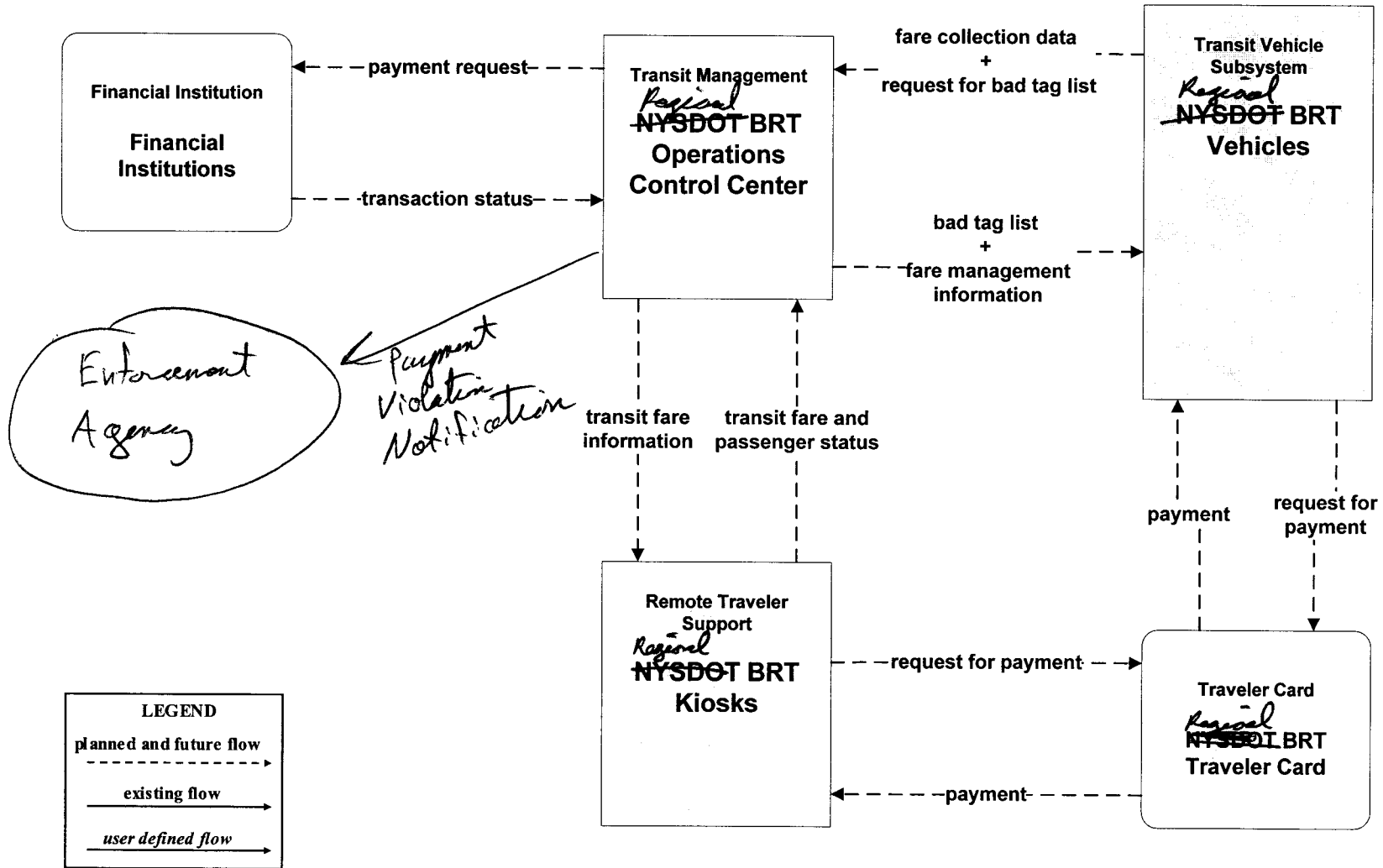
Is there an operational concept for this?

NO

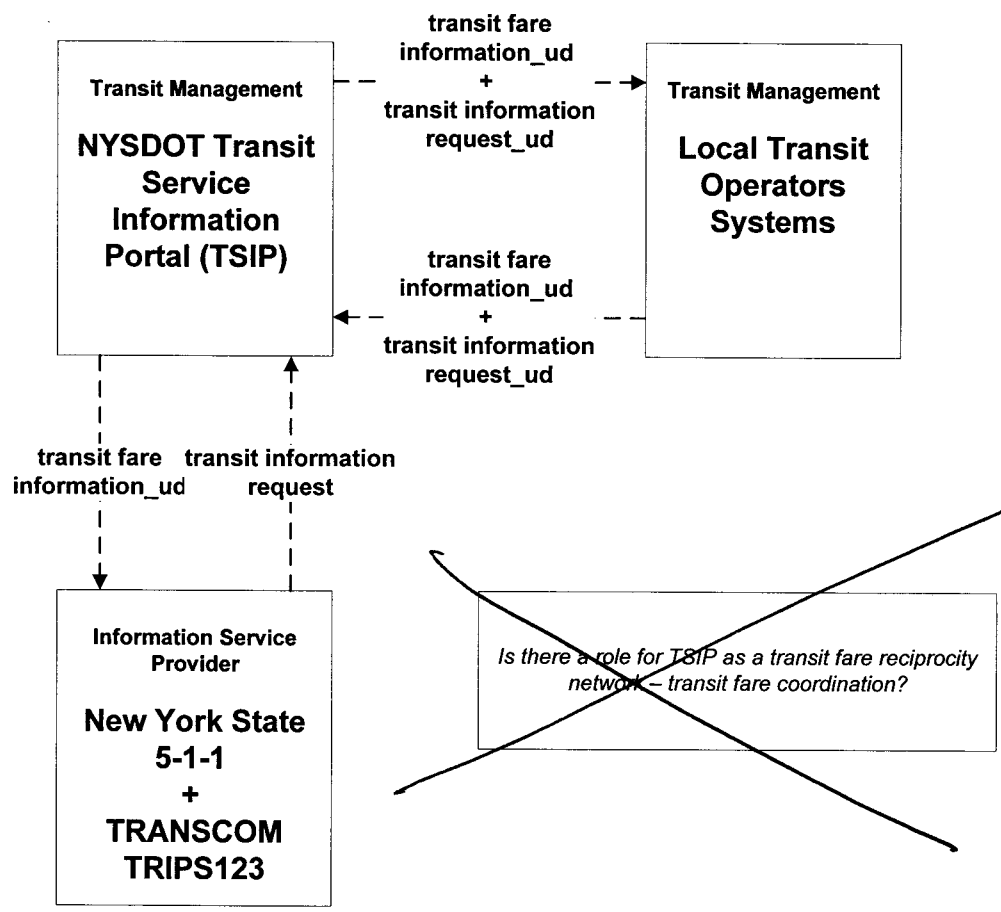
APTS04 - Transit Passenger and Fare Management

NYSDOT BRT

Regional

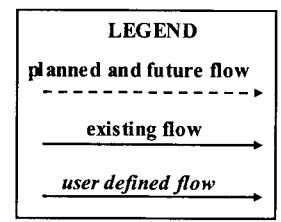


**APTS04 - Transit Fare Collection Management
NYSDOT TSIP**

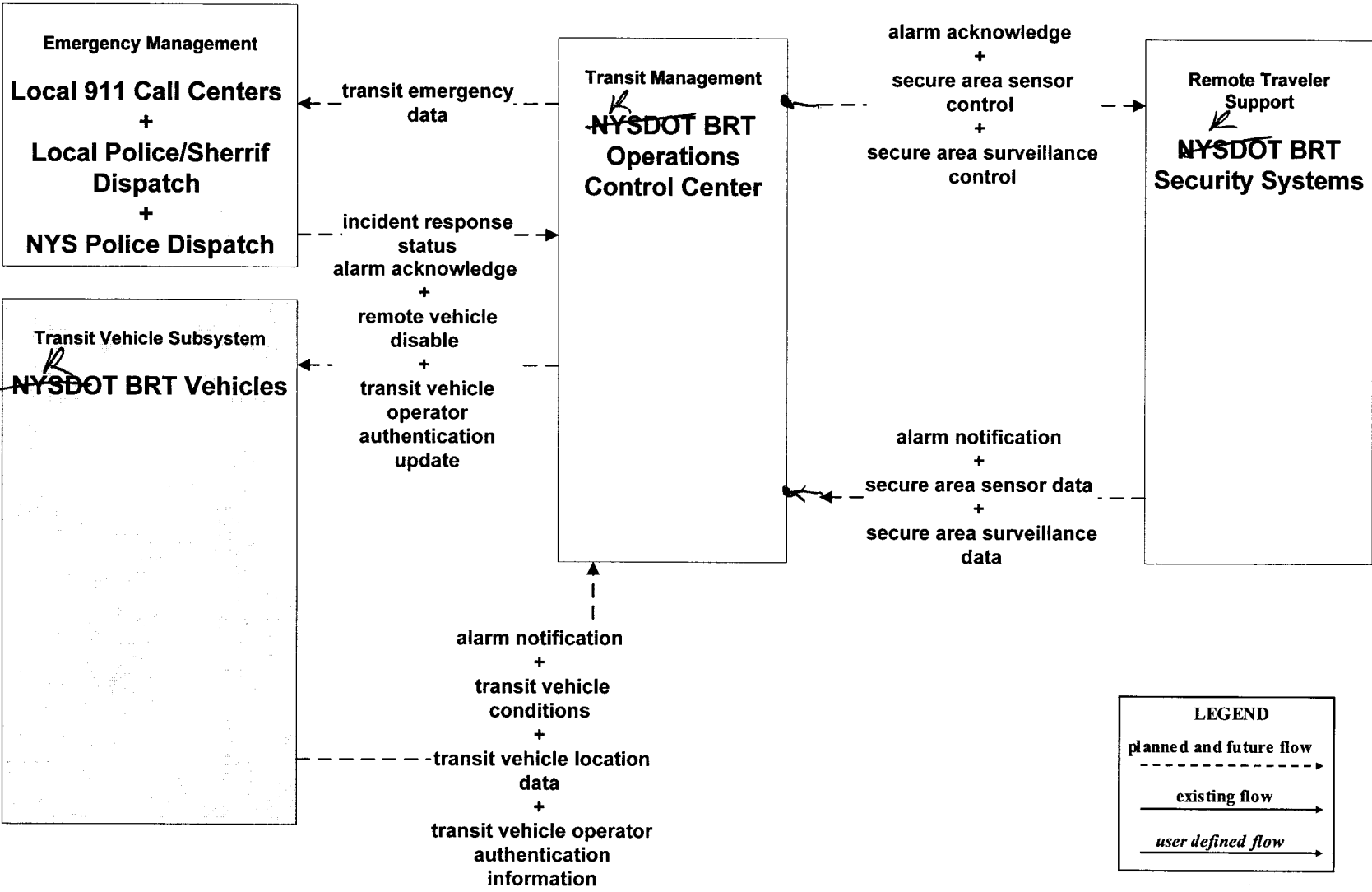


~~Is there a role for TSIP as a transit fare reciprocity network - transit fare coordination?~~

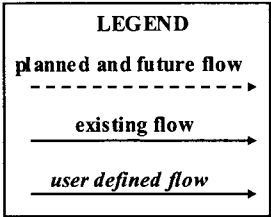
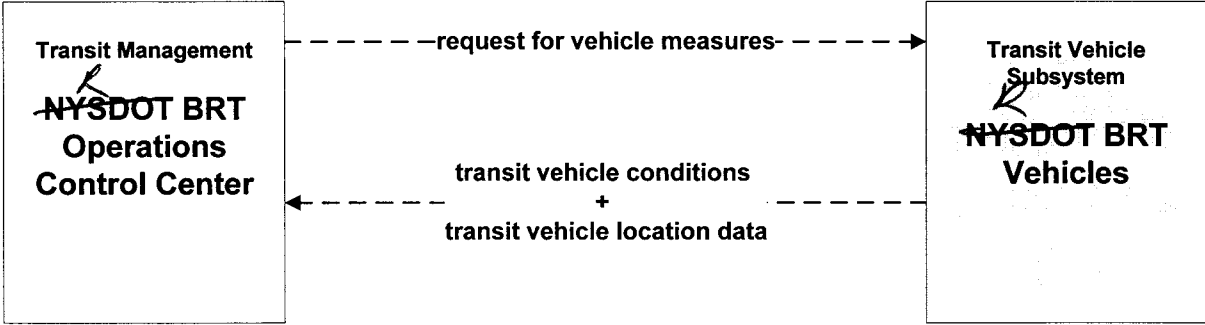
(Note: possibly in the next NYC SRA update.)



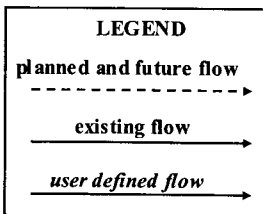
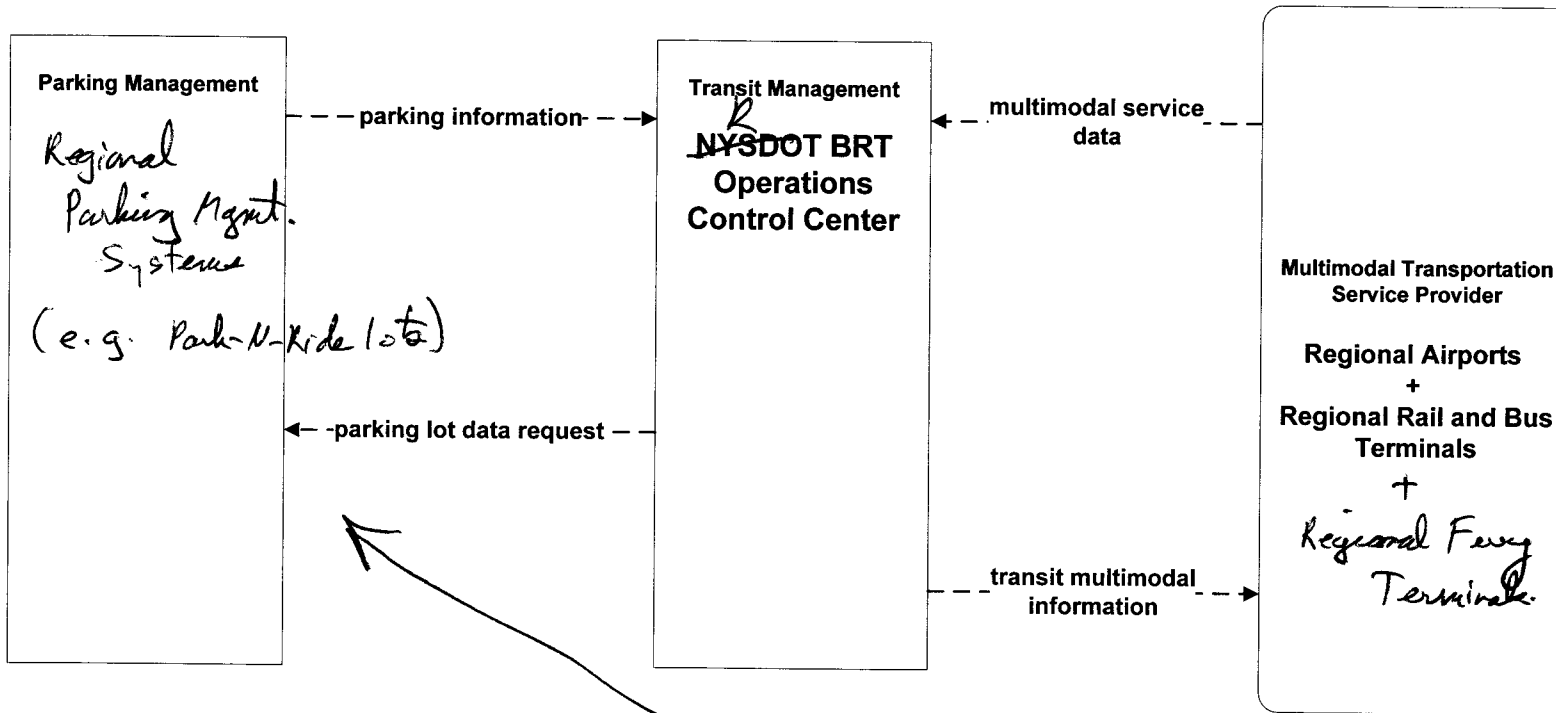
APTS05 - Transit Security
~~NYS DOT BRT~~
Regional (R)



APTS06 - Transit Maintenance
NYSDOT BRT

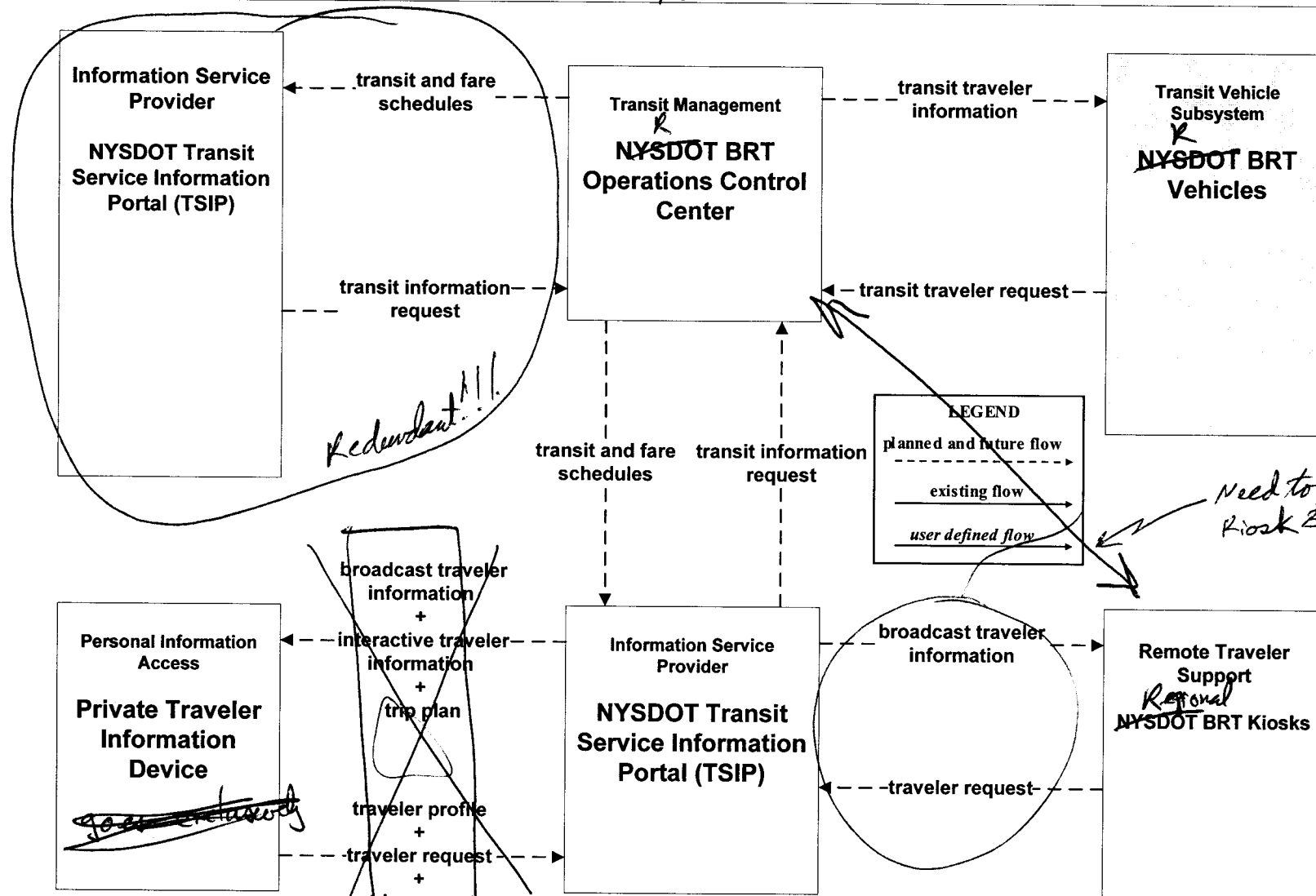


APTS07 - Multi-modal Coordination
 NYSDOT BRT



Are there plans for interfaces with parking management systems for BRT ?? *Yes*

APTS08 - Transit Traveler Information
 NYSDOT BRT



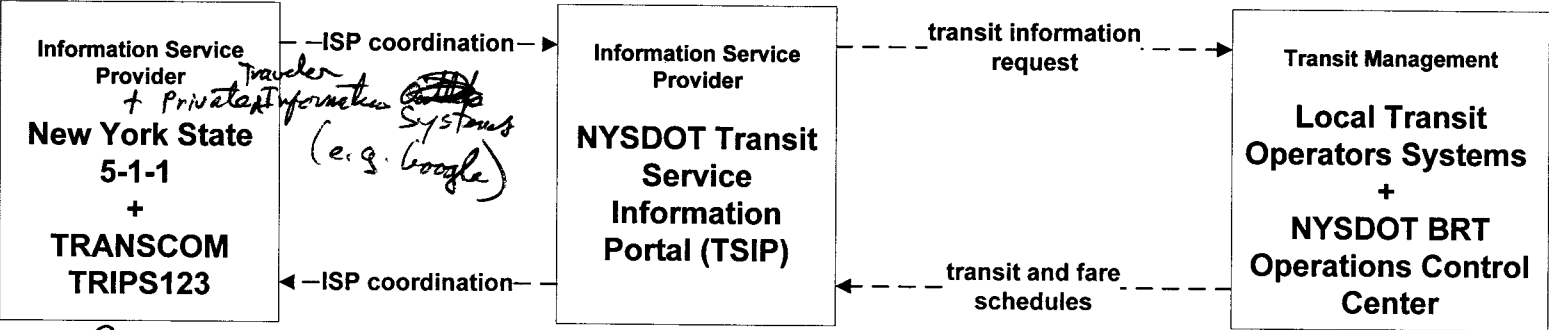
Redundant!!!

Need to also show a Risk to OCC connection.

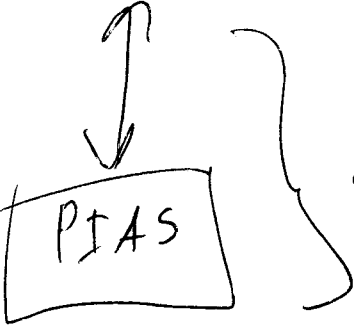
~~goes to network~~

Insert S-H between ~~Transit~~ PIAS + ISP (TSIP)

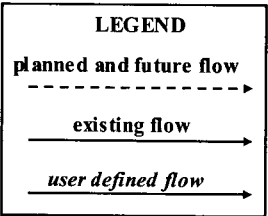
**APTS08 - Transit Traveler Information
 NYSDOT TSIP / New York State 5-1-1**



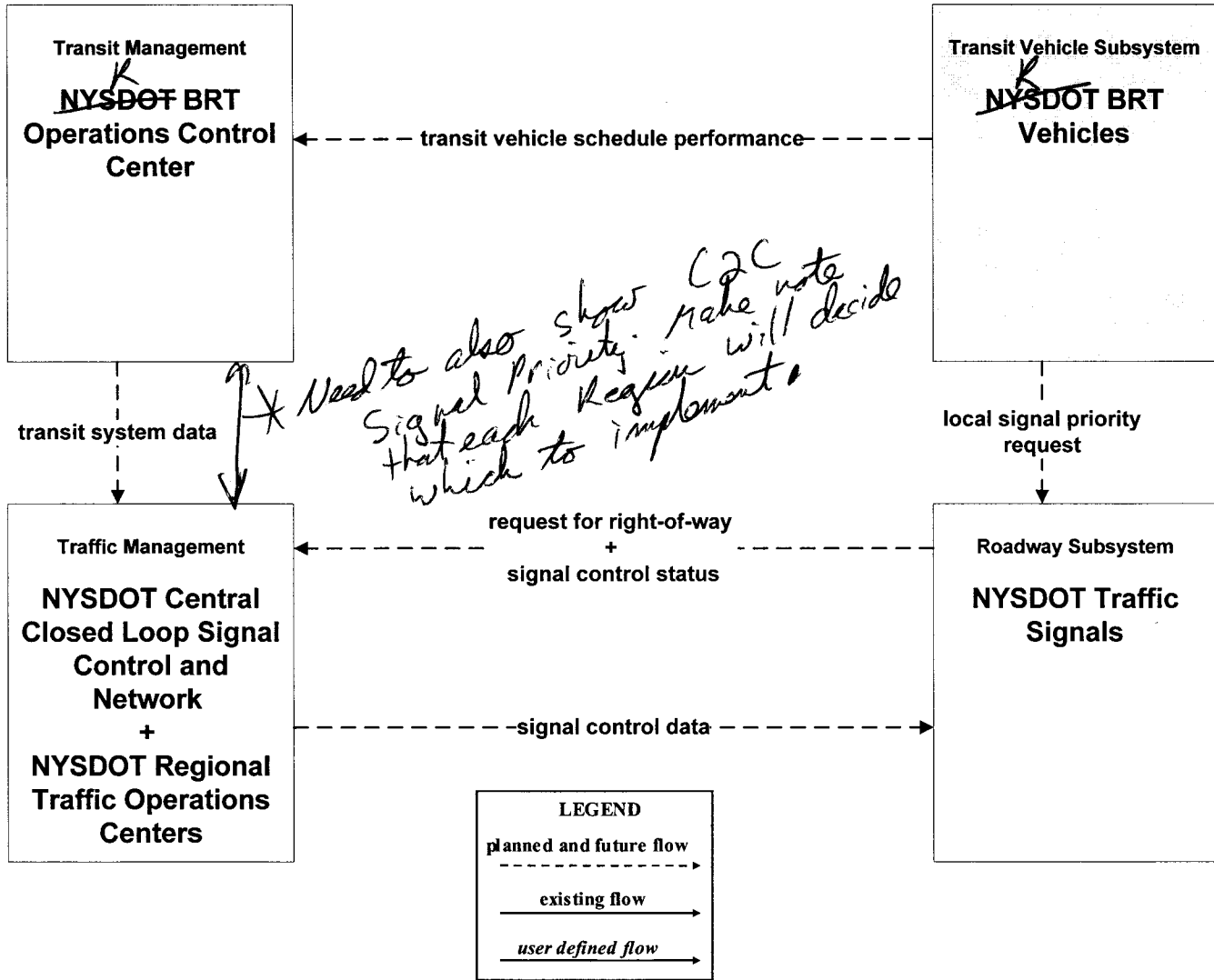
Traveler Information Systems (e.g. Google)



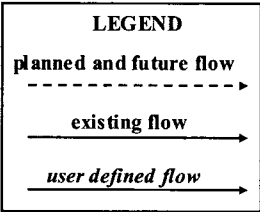
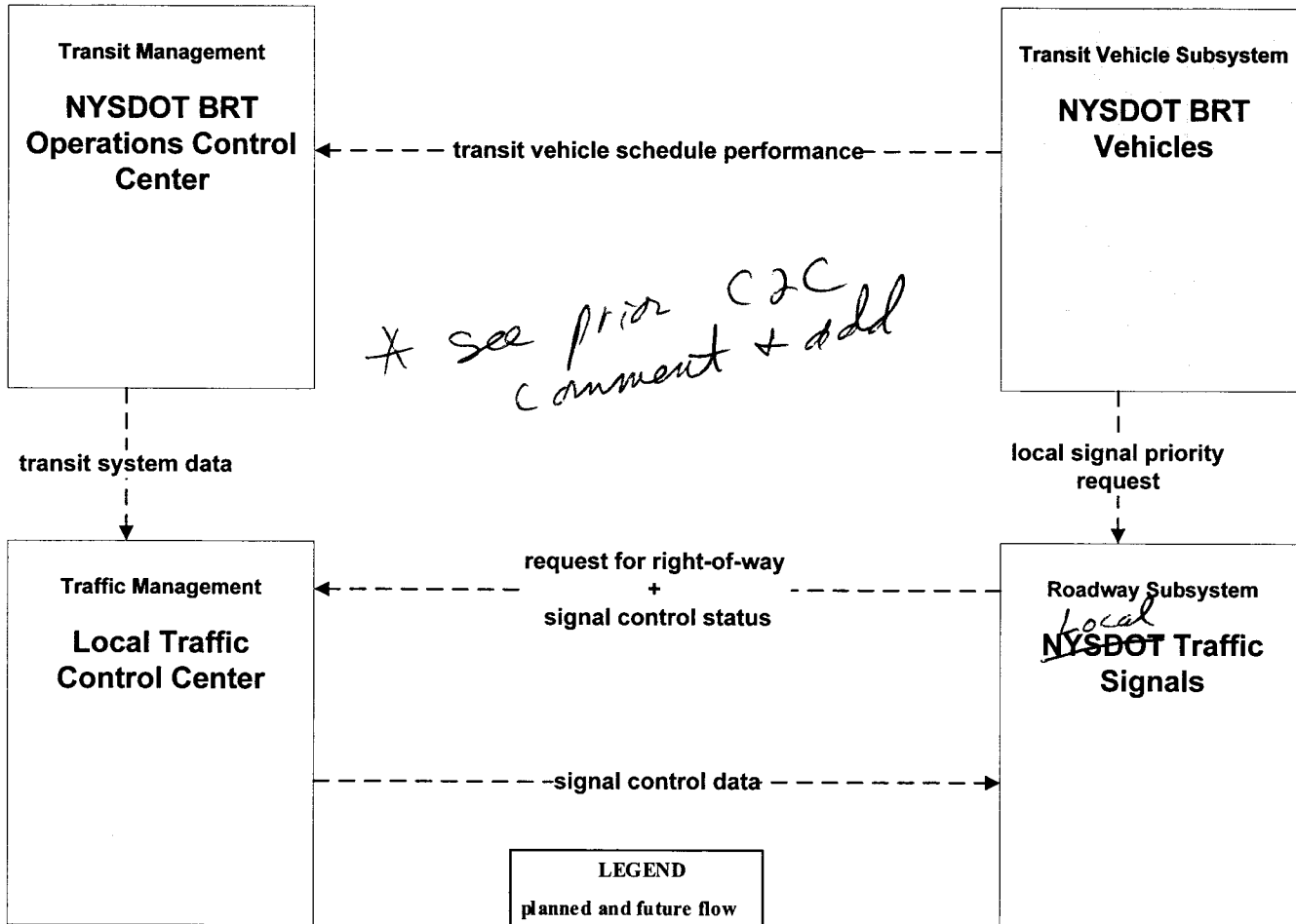
See APTS08 Regional BRT



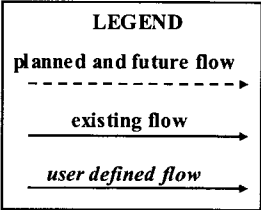
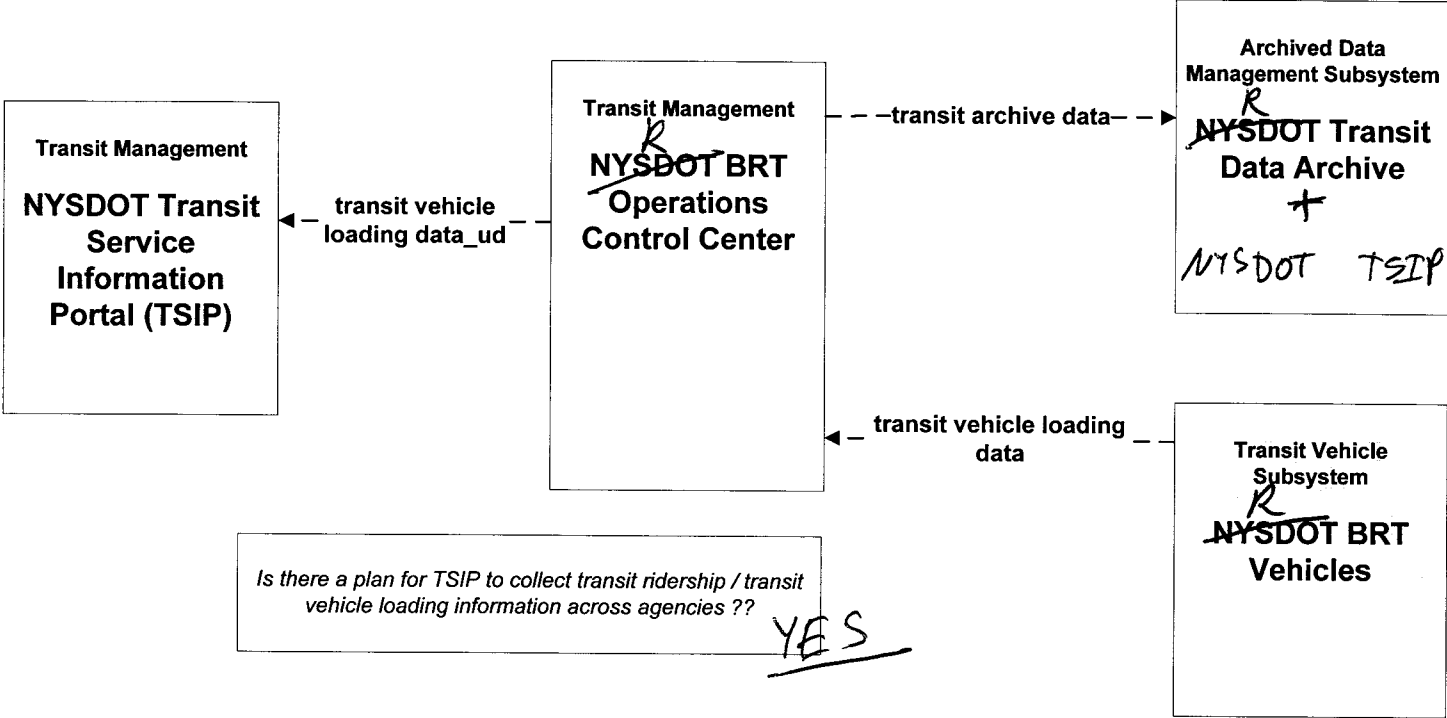
**APTS09 – Transit Signal Priority
 NYSDOT BRT**



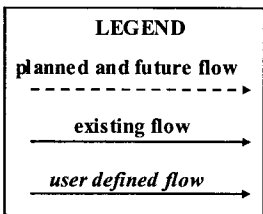
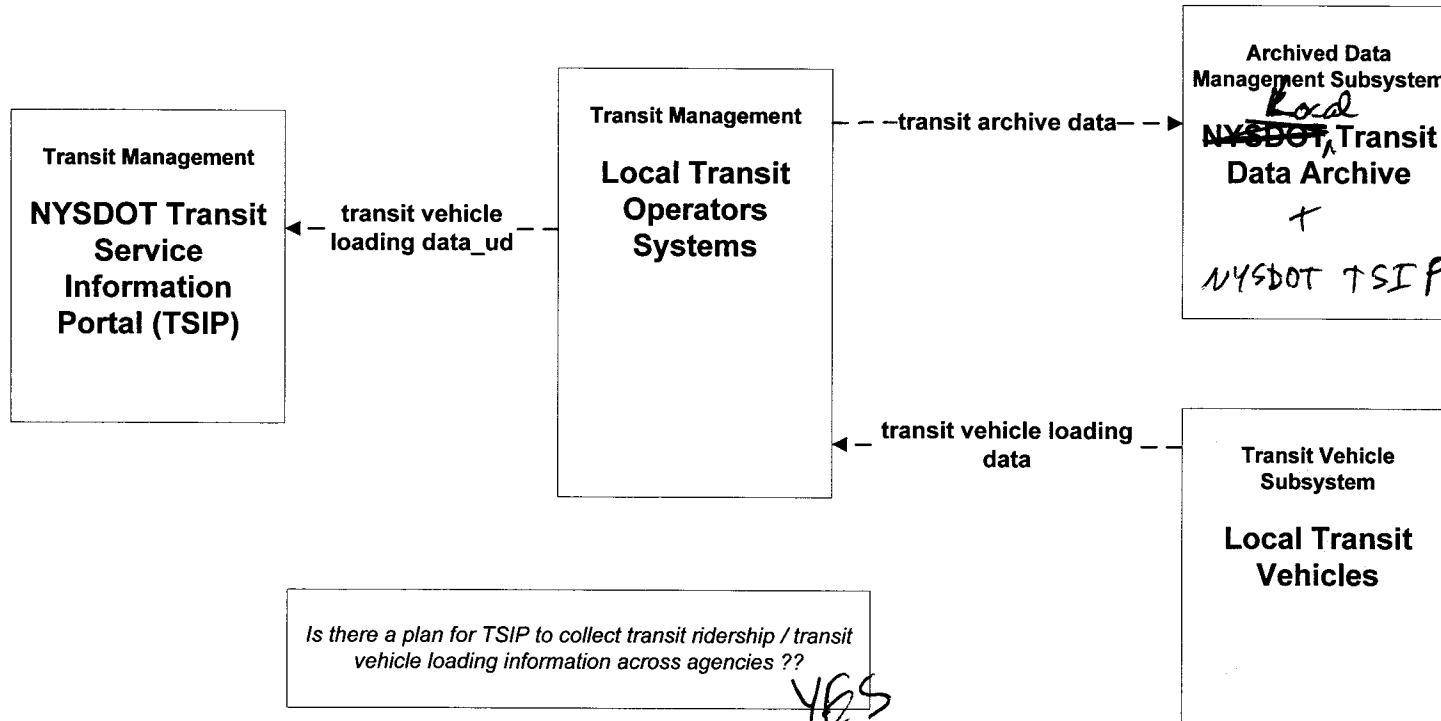
**APTS09 – Transit Signal Priority
 NYSDOT BRT**



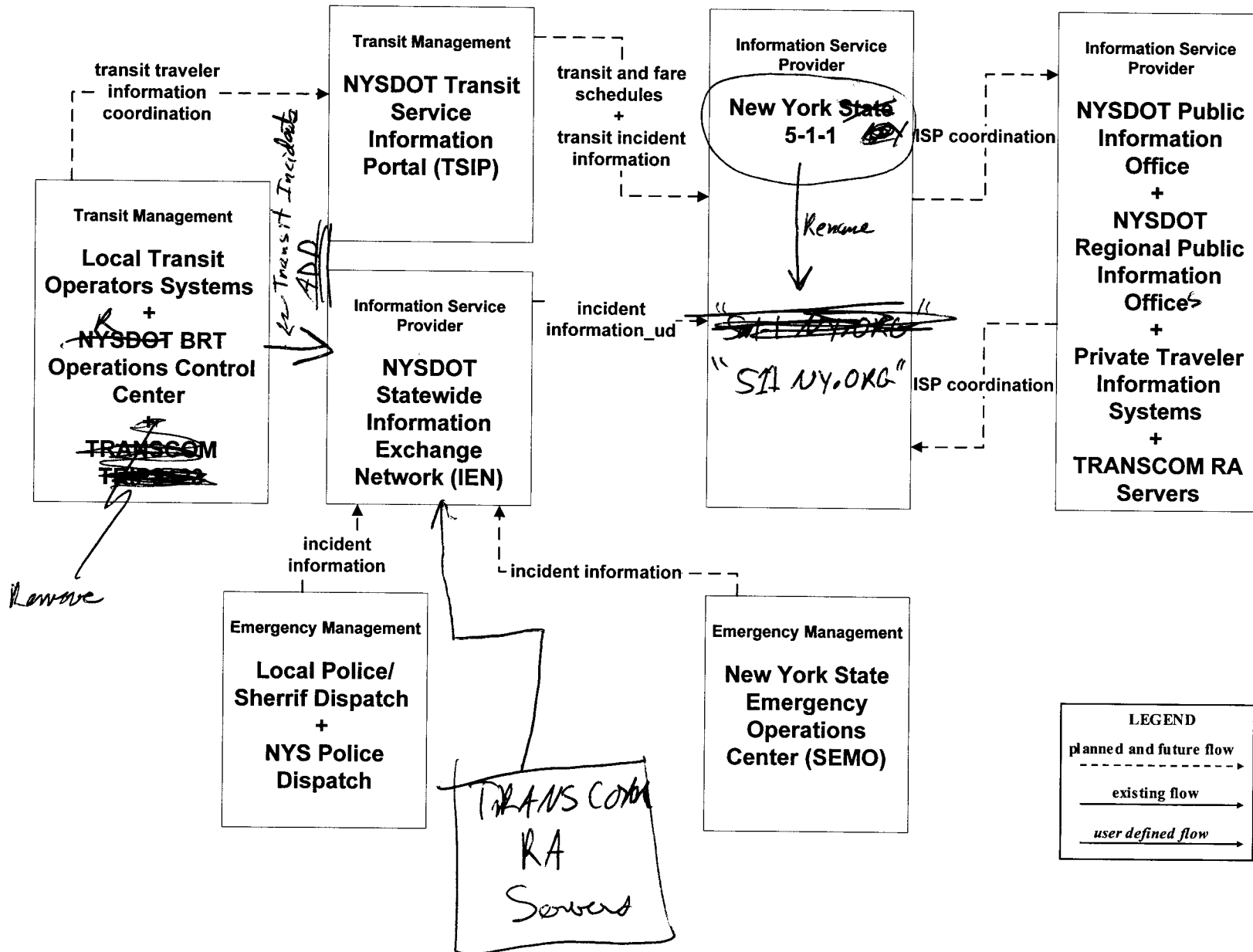
APTS10 - Transit Passenger Counting
NYSDOT BRT



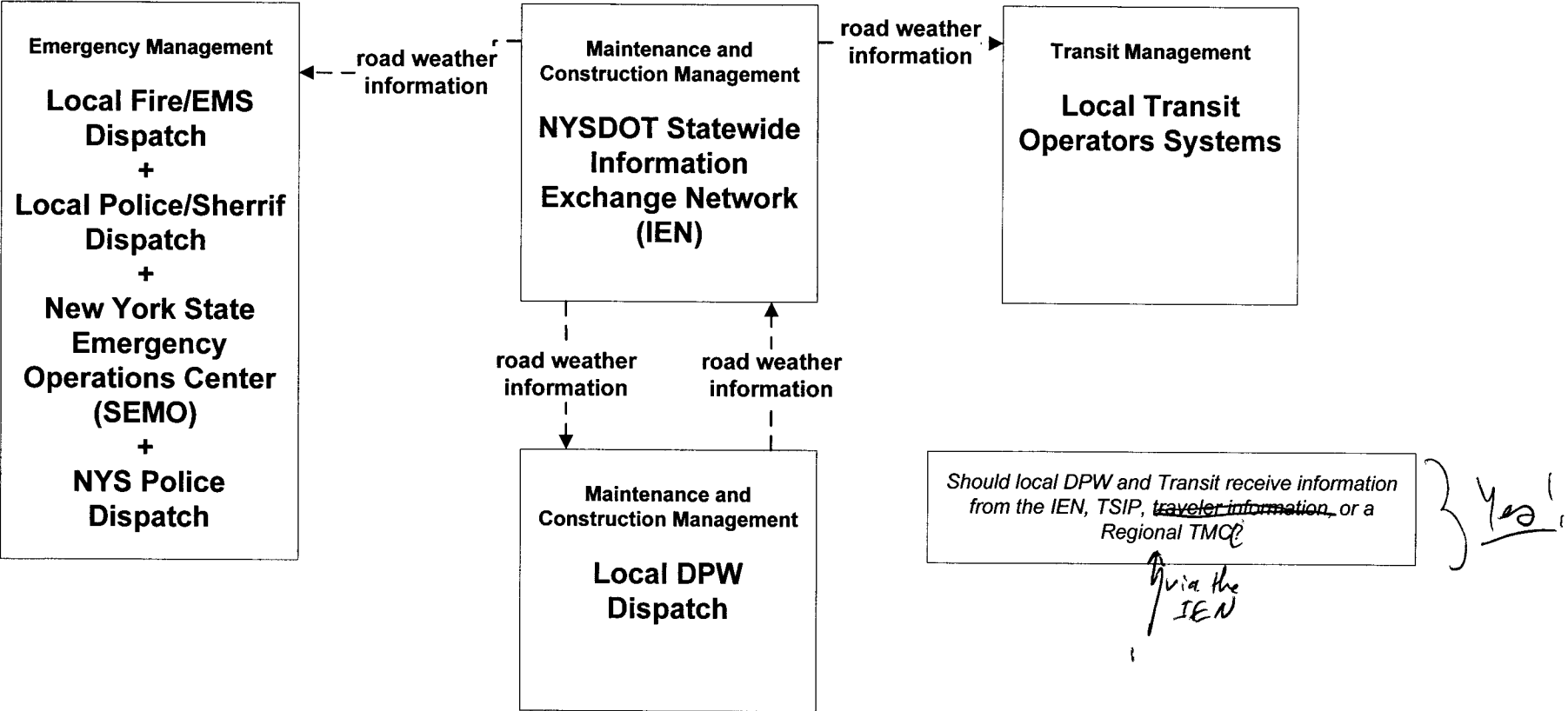
**APTS10 - Transit Passenger Counting
 NYSDOT TSIP**



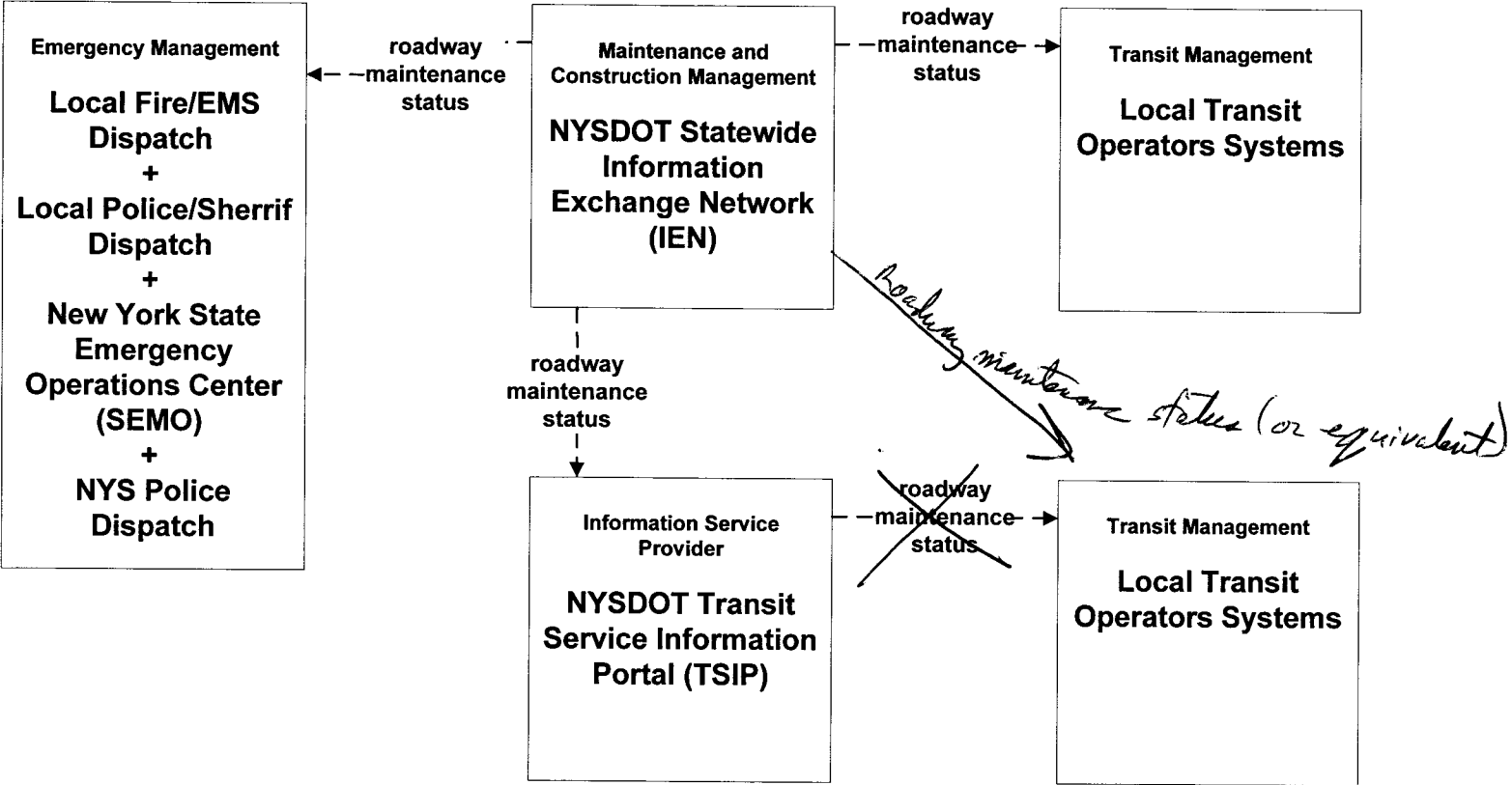
**ATIS01 - Broadcast Traveler Information
 NYSDOT 5-1-1 (2 of 2)**



**MC04 – Weather Information Processing and Distribution
 NYSDOT (2 of 2)**



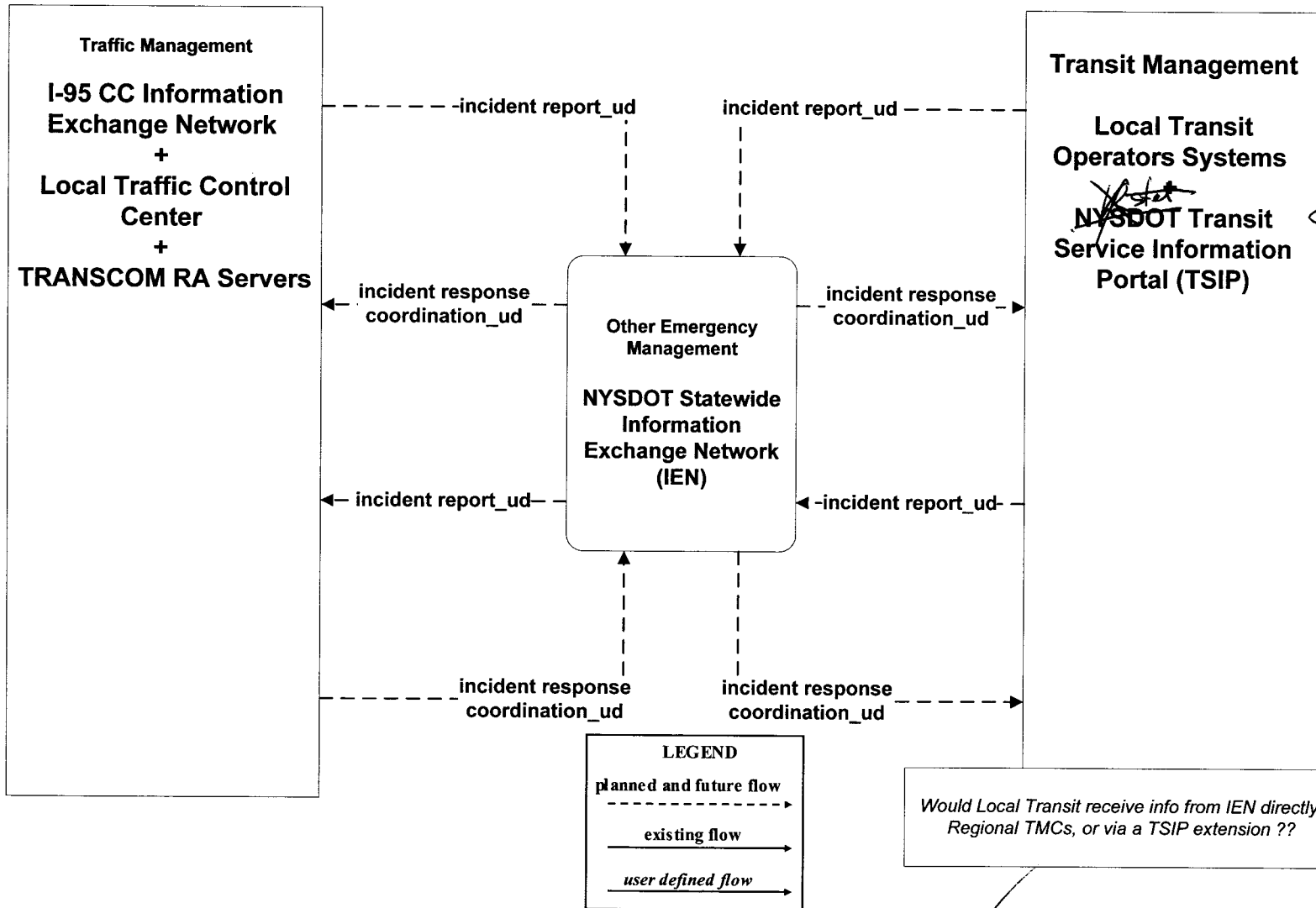
**MC06 – Winter Maintenance
 NYSDOT (3 of 3)**



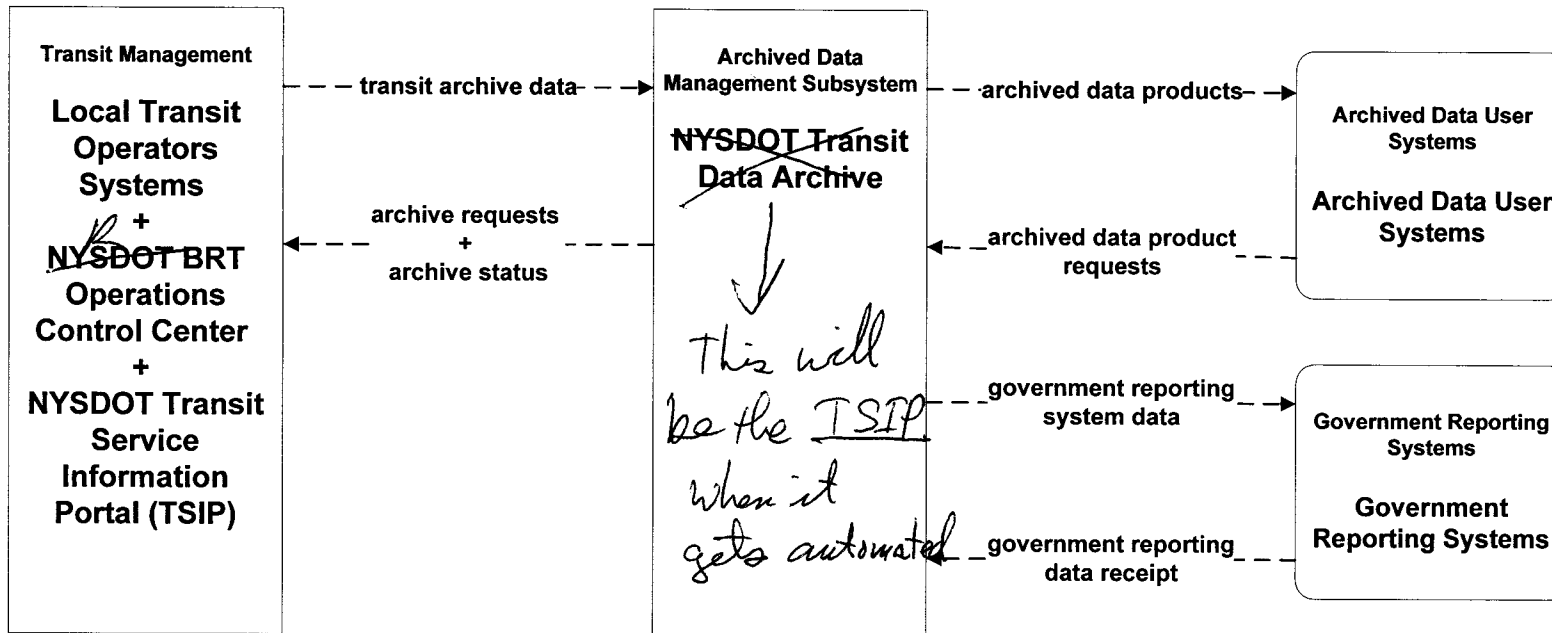
Would transit receive information from the IEN, a Regional TMC, or TSIP? ✓
 Should TSIP be a transit extension of IEN for New York State transit operators – see alternative?

over time it might evolve this way, but not in the near term.

**EM01 - Emergency Call-Taking and Dispatch
 NYSDOT Information Exchange Network**



**AD2 - ITS Data Warehouse
 NYSDOT Transit Data Archive**



- Users include:**
- Federal Agencies
 - NYSDOT
 - System Designers
 - Public Requests

