



TRANSCOM Data Fusion Engine (DFE)

Transit Data Overview

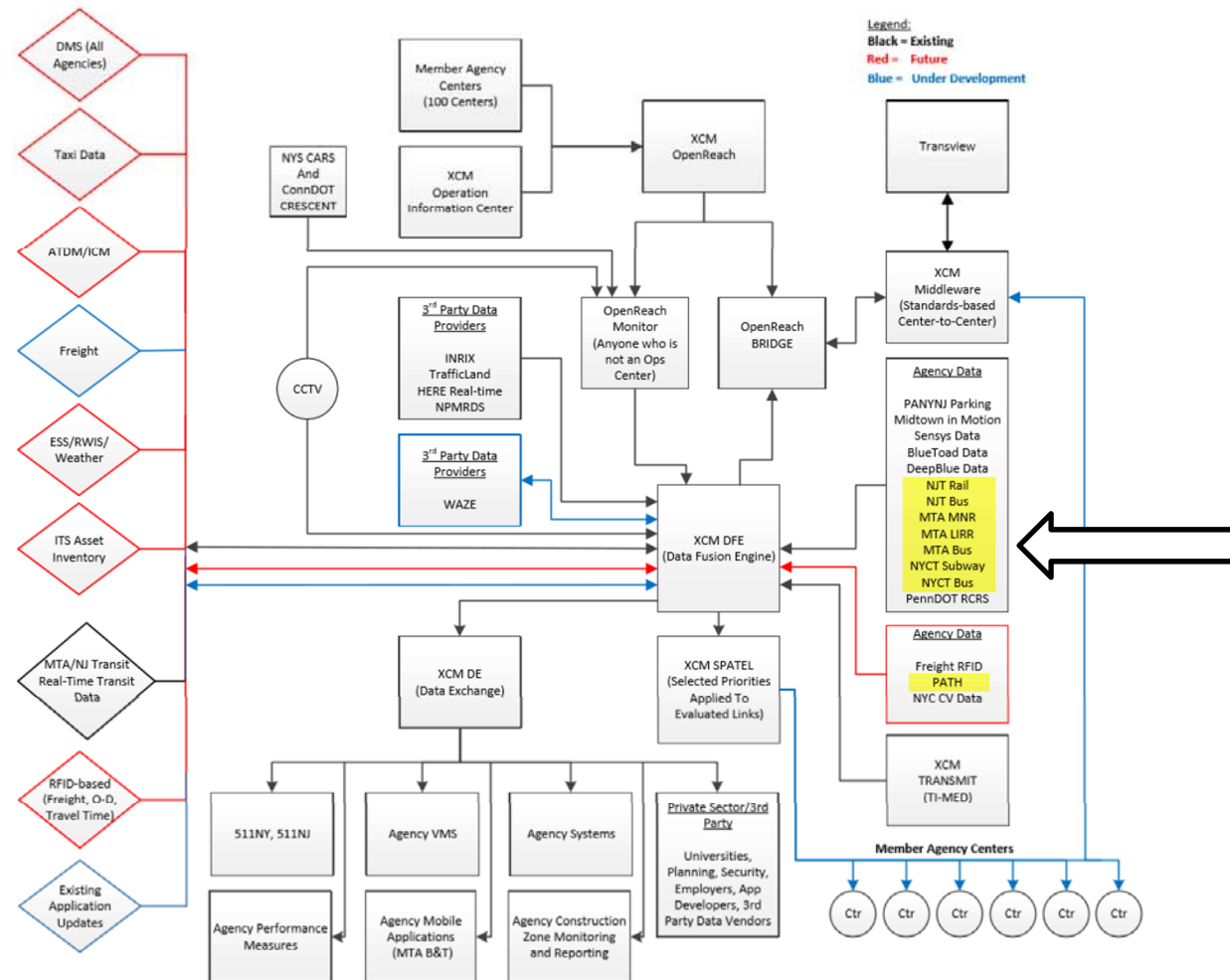
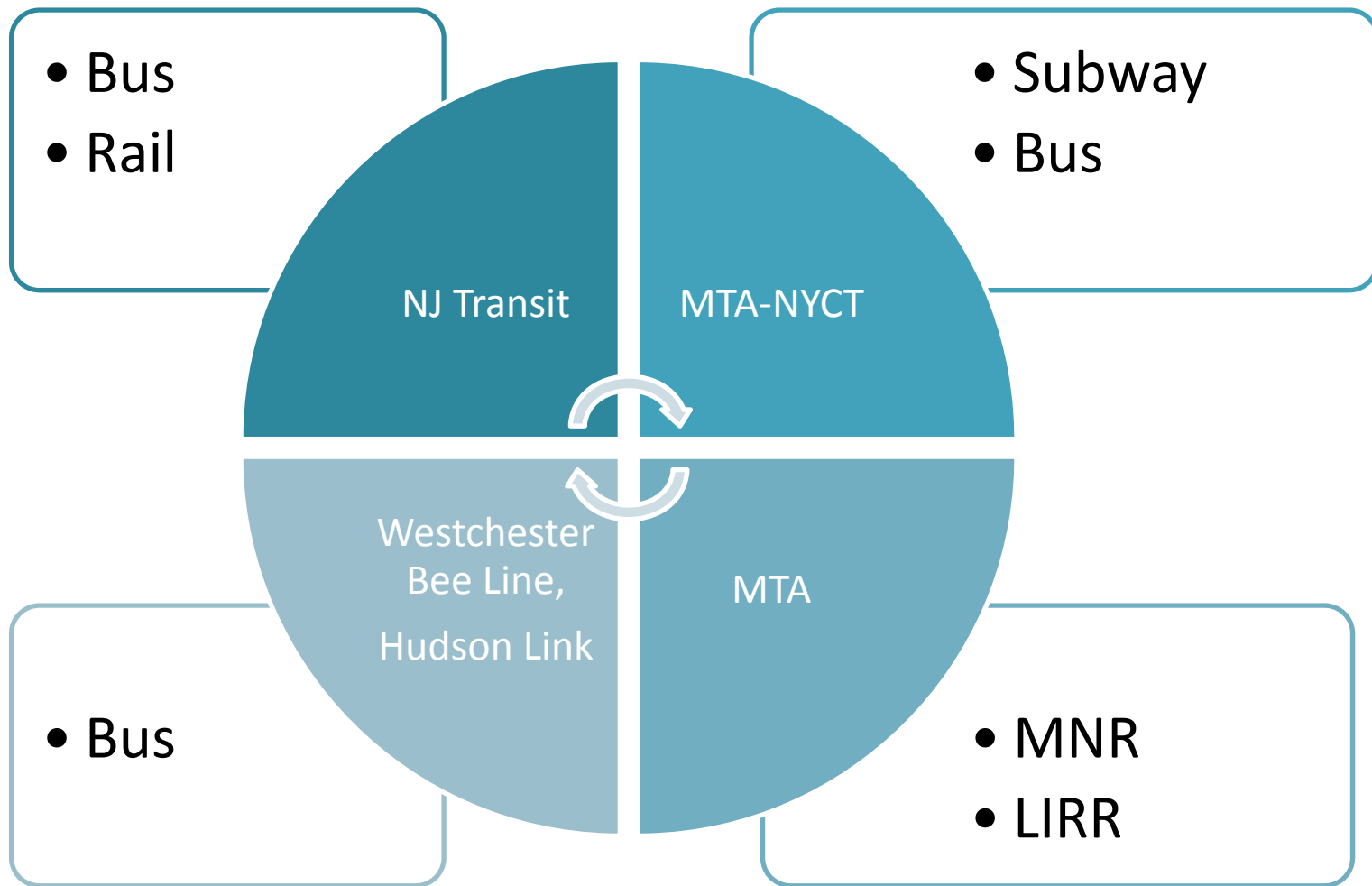
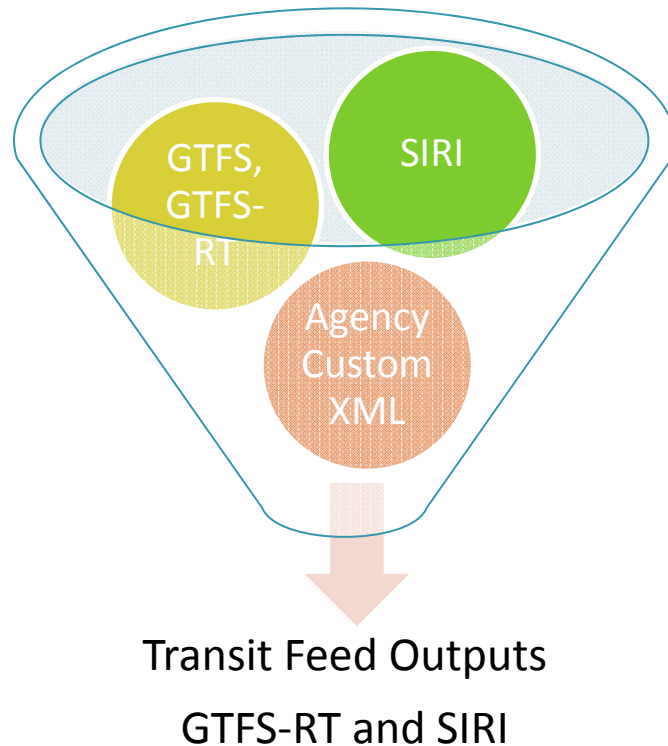


Figure 2-1. TRANSCOM Systems Overview

TRANSIT Carriers Data Integrated in DFE



TRANSCOM DFE - TRANSIT Data Format and Standards

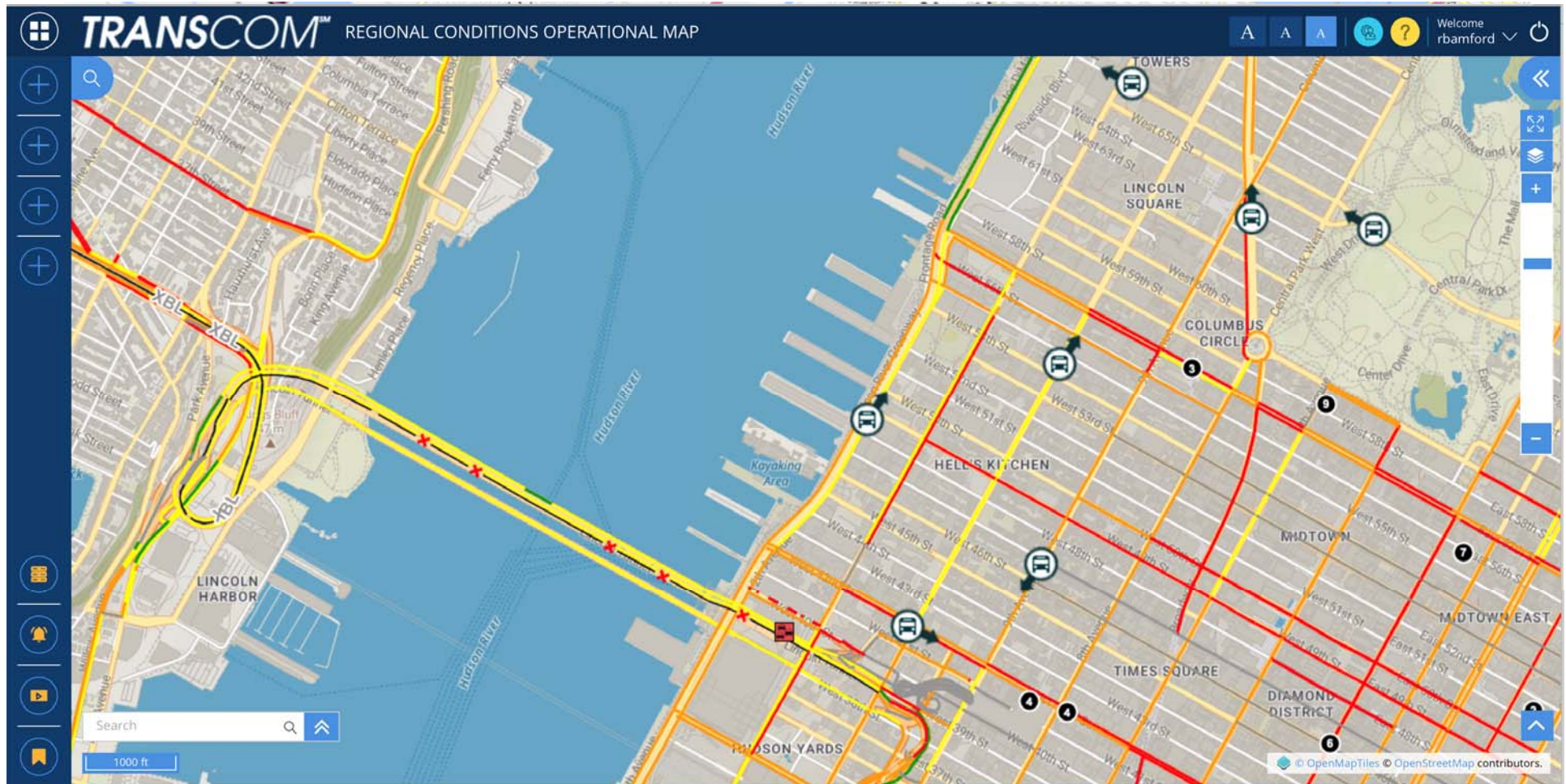


- SIRI (Service Interface for Real Time Information) is a European standard covering a wide range of types of real-time information for public transportation.
- GTFS-RT (General Transit Feed Specification Realtime) is a feed specification that allows public transportation agencies to provide real-time updates about their fleet to application developers.
 - Note: GTFS-RT requires GTFS schedule data.

Real-Time train locations on map



Real-Time bus locations on map



TRANSCOM DFE – TRANSIT Dashboard

TRANSCOM™

TRANSIT DASHBOARD

0:22

A A A

?

Welcome

Source Train

Carrier All selected (3)

Directions All selected (3)

Line/Route All selected (27)

Delay Between 6 and 30 min

As of 06/24/2019 03:44 PM

Q

Download

Help

Carrier	Train/Route #	Line Name	From	Towards	Next Stop	Estimated Arrival Time	Delay
MTA - MNR	637	Harlem	Grand Central	Southeast	Mount Kisco	15:51	12
NJ Transit Rail	3937	Northeast Corridor Line (NJ Transit)	New York	Trenton	New Brunswick	15:49	12
NJ Transit Rail	4360	North Jersey Coast Line	Bay Head	Long Branch NY	Elberon	15:44	10
MTA - MNR	541	Harlem	Grand Central	North White Plains	Scarsdale	15:45	10
MTA - MNR	739	Hudson	Grand Central	Croton-Harmon	Ardley-on-Hudson	15:46	10
MTA - MNR	839	Hudson	Grand Central	Poughkeepsie	Croton-Harmon	16:16	9
NJ Transit Rail	4631	Atlantic City Line	Philadelphia	Atlantic City	Hammonton	15:51	8
MTA - MNR	343	Harlem	Grand Central	North White Plains	Tremont	15:47	8

Estimated arrival time in hh:mm and delay in minutes

Page 1 of 1

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View 1 - 13 of 13

Train # 637 to Southeast on Harlem

will make the following station stop

Show All Stops

Station	Estimated Arrival time	Delay
Harlem-125th St.	Arrived At 15:03	6
White Plains	Arrived At 15:30	9
Mount Kisco	15:51	12
Bedford Hills	15:55	12
Katonah	15:58	12
Goldens Bridge	16:02	12
Purdy's	16:06	12
Croton Falls	16:09	12
Brewster	16:15	12
Southeast	16:25	12

Primary

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TRANSCOM DFE - TRANSIT Data Format and Standards

Use cases

- Situational awareness via DFE/SPATEL regional conditions operational map and dashboards
 - 100+ transit operational users
- Restore 495
- MTA and NJ Transit Bus
- NYSDOT
 - ICM Project
 - Traveler Information Project