

FTA

FEDERAL TRANSIT ADMINISTRATION

2018 SSO Program Workshop

Safety Review for System Restarts

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U.S. Department of Transportation
Federal Transit Administration

May 16, 2018

Overview

How would the SSOA oversee re-certification of a transit system if a shutdown occurred due to:

- Natural Disaster
- Safety Issue

Tren Urbano

Tren Urbano

- 10.7-mile fixed-guideway rapid transit system
- Daily ridership - 36,280
- 16 stations
- 1 vehicle maintenance facility
- 74 rail cars, operations control center, traction power, train control, and communications systems.
- State Safety Oversight Agency (SSOA) - Puerto Rico Emergency and Disaster Management Bureau (PREDMB)

Tren Urbano - Hurricane Maria

- Rail service suspended on Tuesday, Sept. 19
- Hurricane Maria (Category 5) struck on Wednesday, Sept 20
- Initial damage inspection on Sept. 22 verifies a total system power outage
- Service suspended until power fully restored to the entire rail system

Tren Urbano Safety Certification

- Discuss certification plan and technical assistance with FTA, SSOA and RTA
- Create Safety/Security Certification Committee with representatives from SSOA, RTA and RTA Contractor
- Develop Certifiable Elements and Testing Procedures
- Conduct system integration testing and inspections with RTA and SSOA
- Coordinate with FTA (PMOC) to assess damage, observe and advise on inspections and repairs

PREMA and Tren Urbano Challenges

- Staffing:
 - Departure of Executive Directors for the SSOA and the power company
 - Technical capacity and experience to oversee work to resume rail service
- Revenue Start Date:
 - Decision made to start revenue service by mid December
- Stability of the Electrical Grid:
 - Confirmation from PREPA on power restoration to San Juan
 - Continued power outages impact system testing and revenue start date

Memphis Trolley

Memphis Trolley Background

- Trolley system begins operations in 1993
- Three lines on 12 miles of track in downtown Memphis
- 20 refurbished vintage streetcars operating with 10 trolleys at peak hour

Cessation of Service

- Between November 2013 and April 2014, MATA experienced three fires on two trolleys
- Two trolleys destroyed, but no injuries or deaths resulted
- APTA conducts peer review in June 2014
- MATA decides to cease trolley service and temporarily replaces trolley routes with rubber tire trolleys

Memphis Trolley Restart Challenges

- Staffing
 - Retaining Maintenance Manager and Chief Safety Officer
- Vehicle Certification
 - Trolley Delivery Schedule
 - Vehicle Certification Process
- Impact on Revenue Start Date

Effort to Restart Service

- Three trolleys restored by Gomaco Trolley Company
- SSRR and OP-54 reviews conducted in February and March 2018
- Revenue service begins April 30, 2018

Lessons Learned

- Review certification plan and schedule to include SSOA activities
- Discuss possible scenarios with rail transit agency
- Review certification handbook
- Document, document, document!

Questions?

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