



NATIONAL TRANSPORTATION SAFETY BOARD  
**Investigative Hearing**

Washington Metropolitan Area Transit Authority Metrorail train 302 that encountered heavy smoke in the tunnel between the L'Enfant Plaza Station and the Potomac River Bridge on January 12, 2015

<b>GROUP</b>	
<b>EXHIBIT</b>	

Agency / Organization

Title

# Office of Unified Communications



## *Metro P25 Radio Coverage Testing Summary June 2015*



## WMATA Radio Coverage Testing

The OUC conducted testing of WMATA sites on the dates listed below. Results for the tests are provided in subsequent sections,

Date	Stations Tested	Reported Failures at 1 or more checkpoints	Test Agencies	Comments
10/18/2013	Red Line: Tenleytown - AU, Van Ness, Cleveland Park, Woodley Park, Dupont Circle, Farragut North, Metro Center, Gallery Place, Judiciary Square, Union Station Green/Yellow Line: Fort Totten, Georgia Ave, Columbia Heights, U St, Shaw-Howard University, Mt. Vernon Sq, Gallery Place, Navy Archives, L'Enfant Plaza, Waterfront, Navy Yard, Anacostia, Congress Heights Blue/Orange Line: Foggy Bottom - GWU, Farragut West, McPherson Sq, Metro Center, Federal Triangle, Smithsonian, L'Enfant Plaza, Federal Center SW, Capitol South, Eastern Market, Potomac Ave, Stadium Armory, Minnesota Ave, Deanwood	Red Line: Farragut North, Metro Center, Gallery Place, Judiciary Square, Union Station Green/Yellow Line: U St Blue/Orange Line: Farragut West, McPherson Sq, Metro Center, Federal Triangle	OUC	OUC Performed radio coverage tests system wide
10/22/2013	Red Line: Tenleytown - Farragut North, Metro Center, Gallery Place, Judiciary Square, Union Station Green/Yellow Line: Fort Totten, Georgia Ave, Columbia Heights, U St, Shaw-Howard University, Mt. Vernon Sq, Gallery Place, Navy Archives, L'Enfant Plaza, Waterfront, Navy Yard, Anacostia, Congress Heights	Red Line: Farragut North, Metro Center Green/Yellow Line:	OUC	OUC performed radio coverage tests - On Stations that Failed the test on 10/18/2013
11/22/2013	Blue/Orange Line: Foggy Bottom - Farragut West, McPherson Sq,	Blue/Orange Line: McPherson Sq	OUC	OUC performed radio coverage tests - On Stations that Failed the test on



Date	Stations Tested	Reported Failures at 1 or more checkpoints	Test Agencies	Comments
	Metro Center			10/22/2013
Jan-14	Green/Yellow Line: Fort Totten, Georgia Ave, Columbia Heights, U St, Shaw-Howard University, Mt. Vernon Sq, Gallery Place, Navy Archives, L'Enfant Plaza, Waterfront, Navy Yard, Anacostia, Congress Heights	Green Line: Congress Heights	OUC	OUC performed radio coverage tests on the Green Line
4/21/2014	Red Line: Tenleytown - AU, Van Ness, Cleveland Park, Woodley Park, Dupont Circle, Farragut North, Metro Center	Red Line: Tenleytown - AU, Van Ness, Cleveland Park, Woodley Park, Dupont Circle, Farragut North, Metro Center	OUC	OUC performed radio coverage tests on the Red Line
7/1/2014	Red Line: Tenleytown - AU, Van Ness, Cleveland Park, Woodley Park, Dupont Circle, Farragut North, Metro Center, Gallery Place, Judiciary Square, Union Station, Gallaudet University, Rhode Island Avenue	Red Line: Cleveland Park, Metro Center, Gallery Place, Judiciary Square, Union Station	OUC	OUC performed radio coverage tests on the Red Line
8/27/2014	Red Line: Tenleytown - AU, Van Ness, Cleveland Park, Woodley Park, Dupont Circle, Farragut North, Metro Center, Gallery Place, Judiciary Square, Union Station Green/Yellow Line: Fort Totten, Georgia Ave, Columbia Heights, U St, Shaw-Howard University, Mt. Vernon Sq, Gallery Place, Navy Archives, L'Enfant Plaza, Waterfront, Navy Yard, Anacostia, Congress Heights Blue/Orange Line: Foggy Bottom - GWU, Farragut West, McPherson	Failed locations - Judiciary platform, Benning escalator/tunnel, Mcpherson tunnel,	DCFEMS	DCFEMS performed an underground tunnel test



Date	Stations Tested	Reported Failures at 1 or more checkpoints	Test Agencies	Comments
	Sq, Metro Center, Federal Triangle, Smithsonian, L'Enfant Plaza, Federal Center SW, Capitol South, Eastern Market, Potomac Ave, Stadium Armory, Minnesota Ave, Deanwood			
12/8/2014	Blue Line: Benning Rd, Stadium Armory, Potomac Avenue	Blue Line: Stadium Armory Tunnel	OUC	OUC (Stephen Matthews) performed tests at Benning Rd, Stadium Armory, Potomac Ave.
1/13/2015	Yellow Line: L'Enfant Plaza Green Line: Branch Avenue Orange Line: New Carrollton Blue Line: Largo Town Center		OUC	OUC (Karl Pearson, Damon Bright) performed tests at L'Enfant Plaza, Branch Ave, New Carrollton, Largo Town Center,
1/14/2015	Red Line: Judiciary Square, Gallery Place Green/Yellow Line: Archives, L'Enfant Plaza	L' Enfant Plaza	OUC, WMATA	OUC (Stephen Matthews) performed tests with WMATA at National Archives, L'Enfant Plaza, Gallery Place and Judiciary Square
1/15/2015	All WMATA Metro Stations located within the District.	Foggy Bottom – GWU Capitol South	WMATA	Underground Tunnel Test; Stations tested by WMATA
1/20/2015	All WMATA Metro Stations located within the District.	Foggy Bottom – GWU Capitol South Georgia Ave Columbia Heights	WMATA	Underground Tunnel Test; Stations tested by WMATA
1/22 - 23/2015	All WMATA Metro Stations located within the District.	Judiciary Square Benning Road Foggy Bottom - GWU Farragut West McPherson Sq Stadium Armory Columbia Heights	Motorola OUC WMATA	Signal Strength Test Stations tested by 4 members of the OUC Radio Shop, Motorola, and WMATA.



Date	Stations Tested	Reported Failures at 1 or more checkpoints	Test Agencies	Comments
1/31/2015	All WMATA Metro Stations located within the District.	Farragut West	OUC	Underground Tunnel Test; Stations tested by 4 members of the OUC Radio Shop
2/3/2015	All WMATA Metro Stations located within the District.	Metro Center Judiciary Square Stadium Armory	OUC	Underground Tunnel Test; Stations tested by 4 members of the OUC Radio Shop
2/7/2015	All WMATA Metro Stations located within the District.	Van Ness Metro Center Benning Road McPherson Sq L' Enfant Plaza Capitol South Fort Totten	OUC	Underground Tunnel Test; Stations tested by 4 members of the OUC Radio Shop
2/13/2015	All WMATA Metro Stations located within the District.	Van Ness Cleveland Park Farragut North Benning Road Foggy Bottom - GWU Capitol South Stadium Armory Fort Totten Anacostia	OUC	Underground Tunnel Test; Stations tested by 4 members of the OUC Radio Shop
2/20/2015	All WMATA Metro Stations located within the District.	Van Ness Cleveland Park Farragut North Judiciary Square Farragut West McPherson Sq Federal Triangle Smithsonian L' Enfant Plaza Georgia Ave	OUC	Underground Tunnel Test; Stations tested by 4 members of the OUC Radio Shop
2/27/2015	All WMATA Metro Stations located within the District.	Cleveland Park Metro Center Georgia Ave Gallery Place Anacostia	OUC	Underground Tunnel Test; Stations tested by 4 members of the OUC Radio Shop



Date	Stations Tested	Reported Failures at 1 or more checkpoints	Test Agencies	Comments
3/6/2015	All WMATA Metro Stations located within the District.	Farragut North Capitol South Georgia Ave	OUC	Underground Tunnel Test; Stations tested by 4 members of the OUC Radio Shop
3/7/2015	All WMATA Metro Stations located within the District.	Georgia Ave	OUC	RETEST due to power outage during 3/6 test. Underground Tunnel Test; Stations tested by 4 members of the OUC Radio Shop
3/11/2015	All WMATA Metro Stations located within the District.	Farragut North McPherson Sq Georgia Ave	OUC	Underground Tunnel Test; Stations tested by 4 members of the OUC Radio Shop
3/20/2015	All WMATA Metro Stations located within the District.	Cleveland Park Woodley Park	OUC	Underground Tunnel Test; Stations tested by 4 members of the OUC Radio Shop
3/27/2015	All WMATA Metro Stations located within the District.	Cleveland Park Woodley Park Farragut North McPherson Sq	OUC	Underground Tunnel Test; Stations tested by 4 members of the OUC Radio Shop
4/3/2015	All WMATA Metro Stations located within the District.	Woodley Park Farragut North McPherson Sq	OUC	Underground Tunnel Test; Stations tested by 4 members of the OUC Radio Shop
4/10/2015	All WMATA Metro Stations located within the District.	Woodley Park Foggy Bottom - GWU Farragut West	OUC	Underground Tunnel Test; Stations tested by 4 members of the OUC Radio Shop
4/17/2015	All WMATA Metro Stations located within the District.	Woodley Park L' Enfant Plaza	OUC	Underground Tunnel Test; Stations tested by 4 members of the OUC Radio Shop
4/24/2015	All WMATA Metro Stations located within the District.	Columbia Heights	OUC	Underground Tunnel Test; Stations tested by 4 members of the OUC Radio Shop
5/1/2015	All WMATA Metro Stations located within the District.	Farragut North Metro Center	OUC	Underground Tunnel Test; Stations tested by 4 members of the OUC Radio Shop



Date	Stations Tested	Reported Failures at 1 or more checkpoints	Test Agencies	Comments
5/8/2015	All WMATA Metro Stations located within the District.	Farragut North Metro Center	OUC	Underground Tunnel Test; Stations tested by 4 members of the OUC Radio Shop
5/15/2015	All WMATA Metro Stations located within the District.	No Stations Failed	OUC	Underground Tunnel Test; Stations tested by 4 members of the OUC Radio Shop
5/22/2015	All WMATA Metro Stations located within the District.	No Stations Failed	OUC	Underground Tunnel Test; Stations tested by 4 members of the OUC Radio Shop
5/29/2015	All WMATA Metro Stations located within the District.	No Stations Failed	OUC	Underground Tunnel Test; Stations tested by 4 members of the OUC Radio Shop
6/5/2015	All WMATA Metro Stations located within the District.	No Stations Failed	OUC	Underground Tunnel Test; Stations tested by 4 members of the OUC Radio Shop
6/12/2015	All WMATA Metro Stations located within the District.	No Stations Failed	OUC	Underground Tunnel Test; Stations tested by 4 members of the OUC Radio Shop