

Washington Metropolitan Area Transit Authority
Board Action/Information Summary

<input checked="" type="radio"/> Action <input type="radio"/> Information	MEAD Number: 100418	Resolution: <input type="radio"/> Yes <input checked="" type="radio"/>
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TITLE:

Wireless Network, Public Safety Support POC #135

PURPOSE:

To obtain Board approval to initiate and award a contract to improve the audio quality of Metro Transit Police Department's (MTPD) Comprehensive Radio Communication System (CRCS) to "clear speech quality with no or minimum repetition," 95% of the time, on all 24 underground communication segments.

DESCRIPTION:

Metro's Comprehensive Radio Communications Systems (CRCS), is a push-to-talk radio system that provides essential voice communications to MTPD's 440 sworn police officers above ground and in Metro's tunnels and below-ground stations.

In May 2008, 18 of the 24 below-ground radio segments were individually certified as having an audio quality measurement of 3.4 Delivered Audio Quality (DAQ), at least 95% of the time. As defined by the Federal Communications Commission's Public Safety Wireless Advisory Committee and the U.S. Department of Commerce National Telecommunications and Information Administration, 3.4 DAQ is one of the highest levels of communications quality. This quality measure is necessary to ensure the safety and security of MTPD officers.

Six of the 24 below-ground voice communications segments have not yet individually reached the certification level of 3.4 DAQ, 95% of the time. To improve overall public safety and to keep MTPD officers in safe communications regardless of their below-ground location, the goal of this action is to improve by cable adjustment the clarity and reliability of each of the remaining 6 voice communications segments to the 3.4 DAQ audio level, 95% of the time.

This project will also provide training courses that will be used to teach Metro personnel the methods and best practices required to maintain the system at the improved state (95% in all segments).

This item was originally included in the proposed Capital Plan of Contracts that was deferred at the FAO Committee on September 10, 2009. This is a priority contract and is being submitted individually because Board approval of the Plan will not be considered until October, 2009. The new contract is item number 135 in the amount of \$750,000 on the Plan of Contracts submitted to the FAO Committee on September 10, 2009.

FUNDING IMPACT:

Program:	FY 2010 Capital Improvement Program
Project:	CRCS Cable Adjustment PE_CRCS
Budget:	\$750,000
This Action:	\$750,000
Prior Approval:	\$0
Remaining Budget:	\$0
Remarks:	
Operating Budget Impact:	No Impact on Operating Budget

RECOMMENDATION:

Approval to initiate and award a contract to upgrade the audio quality of MTPD's Comprehensive Radio Communication System to "clear speech quality with no or minimum repetition" in the remaining 6 of 24 underground stations which do not currently meet that criteria.