

# Memorandum



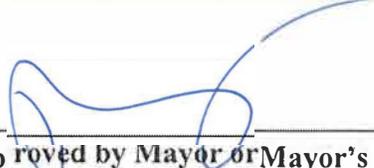
**Date:** July 7, 2022  
**To:** Eugene Love, Agenda Coordinator  
**From:** Alan R. Cominsky, Fire Chief   
**Subject:** Request to Process Late Departmental Agenda Item

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I am requesting that Miami-Dade Fire Rescue's (MDFR) Resolution Approving a designated purchase for replacement of end-of-life radios, to perform necessary maintenance and improvements to the system, and deploy an upgraded Vislink helicopter air-to ground video streaming system be placed on the agenda for the July Committee Cycle. The department will also be requesting a waiver to the July 19, BCC Meeting.

Although this item has not met the noticed deadline and has been provided to the Agenda Coordination Office late, this item is time sensitive, due to pricing incentive and operational need. **The proposed pricing is valid until August 24<sup>th</sup>, 2022. Should the contract be awarded afterward, the price will increase \$3,577,555. The need to replace end-of-life radios for firefighters is critical. These radios, used by firefighters in hazardous environments, are not sold anymore nor are the parts, including batteries. Additionally, the MDFR radio system requires replacement of critical components, including, but not limited to antennas, back-up power systems, shelters and generators, for which continued delay diminishes the reliability and effectiveness of the system. Finally, this project includes deployment of an air-to-ground microwave system enabling Air Rescue the capability to transmit video streaming. This new system will provide vital information in real-time to Incident Commanders, aiding in mitigating incidents sooner while improving situational awareness improving safety.**

Therefore, please process the item notwithstanding that the 3 or 4-day rule is applicable to this item. I am aware that this item is subject to approval for placement on the agenda by the appropriate committee chairperson(s) as well as the BCC Chairperson, and review by the Office of the County Attorney.

  
Approved by Mayor or Mayor's Designee

Alfredo Ramirez III  
Print Name

  
Approved by Policy Director or Designee  
Signature

Nicole Tallman  
Print Name

cc: Geri Bonzon-Keenan, County Attorney  
CAOagenda@miamidade.gov

## AGENDA REVIEW FORM

Please process the attached agenda item for the Committee and/or BCC agenda(s) as indicated below.

Department/ Contact Info:

MDFR/MDPD - Ingrid Bethune

Designated Purchase Public Safety Radios

Requires Committee Review:

Yes  No

Preferred BCC Agenda Date:

July 19, 2022

Consent Agenda:

Yes  No

*(If "Yes" and requires matching funds, the Mayor's memo should include a statement that the matching funds are properly budgeted as determined by OMB.)*

Public Hearing Required:

*(Please attach a copy of proof that the item has or will be advertised as a public hearing.)*

Yes  No

If yes, is public hearing at  BCC or  Committee?

Special Instructions:

*(If "Yes", please provide a brief explanation. For example: Seeking committee of Jurisdiction, Requesting Public Hearing Date, Printing Instructions such as color pages or specific order of attachments.)*

Yes  No

This item is expected to be waived to the July 19, 2022 after hearing at Committee

List Attachment(s):

Memo - Public Safety Radios

Reso - Public Safety Radios

County Attorney's Review:

- Item is subject to BCC sponsorship and is approved as to form and legal sufficiency.  
 Item is not subject to BCC sponsorship and is approved as to form and legal sufficiency.

If any changes are made to this document, those changes must be approved by the County Attorney's Office.

Gren Rozew

7/6/2022

Asst. County Attorney

Date

Commissioner Sponsor:

*(To be provided by Department/ACM)*

ARC

Approved - Department Director

7/6/2022

Date

[Signature]

Approved - County Executive Office

7/11/2022

Date

# Memorandum



**Date:**

**To:** Honorable Chairman Jose "Pepe" Diaz  
and Members, Board of County Commissioners

**From:** Daniella Levine Cava  
Mayor

A handwritten signature in blue ink that reads "Daniella Levine Cava". The signature is written in a cursive, flowing style.

**Subject:** Recommendation for Approval to Award a Designated Purchase Contract: Motorola Public Safety Radios and Capital Infrastructure Improvement Project

## Summary

This item is recommending the award of a five-year contract with three, five-year option to renew terms in the amount of \$133,900,000 for the Miami-Dade Fire-Rescue (MDFR) and Miami-Dade Police (MDPD) Departments to replace end-of-life radios, perform necessary maintenance and improvements to the UHF Fire Rescue Radio System (System) and deploy an upgraded Vislink Helicopter Air-to-Ground Video Streaming system.

This contract will be used to purchase radio equipment, antennas, and ongoing maintenance and support services for the Fire Rescue radio system, which serves as the primary communication tool used by MDFR. Additionally, the contract includes the purchase, maintenance, and support services for MDPD radios. The proposed pricing is valid until August 24<sup>th</sup>, 2022. Should the contract be awarded afterward, the price will be increase by \$3,577,555.

## Recommendation

It is recommended that the Board of County Commissioners (Board) approve this request for a designated purchase for the Miami-Dade Fire Rescue (MDFR) and Police (MDPD) Departments. Approval of a designated purchase, by a two-thirds vote of the Board members present, is being requested pursuant to Section 2-8.1(b)(3) of the Miami-Dade County Code to authorize a five-year contract with three, five-year option to renew terms in the amount of \$133,900,000 to replace end-of-life radios, perform necessary maintenance and improvements to the System and deploy an upgraded Vislink Helicopter Air-to Ground Video Streaming system.

This new contract will be utilized to purchase radio equipment, antennas, and ongoing maintenance and support services for the System, which serves as the primary communication tool used by Fire Rescue first responders, commanding officers, and other emergency personnel. Ongoing maintenance and support services will ensure uninterrupted communications for Fire Rescue and Police personnel providing critical services during emergency responses, natural disasters, fire suppression, and other emergencies. The recommendation also resolves end of life parts and performance capabilities of the System and radios, and provides synchronization associated with uniformity of equipment throughout Miami-Dade County Public Safety.

Through this contract, MDPD and MDFR will have the ability to purchase Long Term Evolution (LTE) enabled smart radios (Motorola APX NEXT) which will replace outdated and end of life radios. In addition, it will provide enhanced safety features, including GPS location, text and picture messaging, computer aided dispatch interface, voice interactive response and control & control capabilities. Radios serve as the primary communication tool for police officers, firefighters, command staff, and other MDPD and MDFR emergency personnel. LTE-enabled smart radios will provide reliable interoperable communications between MDFR and MDPD during unexpected incidents or disasters. The smart radios,

through the various features, will improve radio communications coverage, operational efficiency, situational awareness, and improve response times to community calls for service.

- Agency Interoperability – Augmenting radio communications with LTE integration will provide clear communications between police, fire, and other agencies, not only locally but also for operations outside of the County radio coverage area, bridging the gap between the different operational needs and tactical requirements.
- Radio Communications Coverage – The current System does not provide adequate radio coverage to certain areas of the County due to westward expansion and continued development and construction of high-rise buildings. In addition to improving System coverage for MDFR, both departments will benefit from the added capabilities of new radios that include critical features enabled by LTE technology. When MDFR and MDPD deploy to areas outside of the County for disaster response, critical incidents and planned events, County's first responders will have seamless communications utilizing FirstNet LTE. Today, MDPD loses radio communications with the dispatchers and each other when following subjects of violent crimes outside of the County. These new devices are able to automatically switch between FirstNet LTE and the County 800MHz Radio System to provide continuous radio communications during the entire incident for our personnel and with other jurisdictions in which MDPD is operating
- Operational Efficiency – Today with traditional radio programming, vehicles and personnel have to be removed from service for an extended period of time in order to perform programming updates. The new smart radios are programmed wirelessly over the FirstNet LTE cellular network to improve operational efficiency through significantly reduced time and reduced cost of programming radio fleets. There will no longer be a need to go out and physically connect to every radio when programming updates are needed. The increased speed and ability to reach radios wirelessly anywhere within cellular range also enables both MDPD and MDFR to quickly make programming updates ahead of planned and unanticipated events including hurricanes, flooding, civil unrest, and other incidents where this is not a possibility today with legacy cable programming. This function is similar to technology that exists today which allows smartphones to be updated wirelessly over an LTE network instead of having to connect to a computer with a cable.
- Situational Awareness – The new smart radios will improve situational awareness with the ability to transmit locations over FirstNet LTE of MDFR and MDPD personnel. This allows incident command personnel to have real-time visibility of unit locations on the smart radio map, as well as on a computer or tablet web-based map. Additionally, the ability to send multi-media messages to first responders provides quick access to critical information. Another way this project will improve situational awareness will be through air-to-ground live video streaming. The new Air Rescue helicopters are equipped to stream live video, but the ground-based radio network to receive the video does not yet exist. The new Vislink receiver network will enable command personnel to receive real-time video captured by helicopters.
- First Responder Safety – The ability to locate first responders in real-time, view nearby resources, and locate a first responder calling a mayday or initiating an emergency will greatly enhance first responder safety. MDPD and MDFR incident commanders and command staff will be able to log into a browser application and gain situational awareness on an interactive map for all of their units with the LTE and GPS location abilities of the new smart radios. Deployed and tested during the Surfside building collapse, the smart radios enabled commanders to know the exact location of first responders during search and rescue efforts which resulted in enhanced site security as MDPD was able to view real-time locations for officers on foot while securing the perimeter and manning checkpoints.

- Faster response times to 911 Calls for Service – First responders will be able to provide a faster, safer and more effective response to the community with critical multi-media information provided by the smart radios. An example of this ability occurred at the Surfside Building collapse, where an unauthorized individual attempted to enter the secured perimeter. MDPD was able to send an image and BOLO on the individual to all the smart radios. This incident was resolved quickly due to the new technology contained within the smart radios. This same technology can be utilized to rapidly disseminate images and vital information to assist in locating a missing child or an endangered elderly citizen. In addition, the new smart radios will provide exact location information of first responders to be utilized by the departments' computer aided dispatch system. This capability will allow for quicker response times on incidents for the community based on closest unit dispatch.

MDPD successfully completed, with the assistance of the Information Technology Department (ITD), a test of the new radios including communications on the County 800MHz Radio System, multi-agency interoperability over-the-air programming and smart messaging from the Real Time Crime Center with location information. Not only were units visible on the web-based map in the command post, but locations of units were also visible on all hand-held smart radio display screens.

Competition is not practicable due to the addition of radio sites for the System that can only be provided by Motorola as it is an expansion of the existing Fire Rescue Motorola UHF radio system. A radio system with multiple radio brands is not technology feasible. Additionally, the Motorola APX NEXT radios and associated applications are the only solution from any public safety manufacturer with the ability to provide location reporting and mapping, multi-media messaging, voice communications over LTE, large touch screen capabilities, interactive voice control, CAD interface and wireless programming over LTE. The need for these new capabilities has long existed, however the technology has not been available for first responders, in a single unit, until now. There are no other comparable devices from any other public safety radio manufacturer. The failure to complete these upgrades now will further delay replacing end of life, end of support critical communications equipment placing public safety at risk. While competition is not feasible, the contract contains all current Board mandated terms. Accordingly, it is in the County's best interest to approve this designated purchase pursuant to Section 2-8.1(b)(3) of the Miami-Dade County to continue providing the products and services required to ensure this critical system is fully supported.

Pursuant to Resolution R-391-17, while competition is not feasible, the contract contains all current Board mandated terms. Negotiations were conducted and a reduction of \$32,000,000 from the original proposal was achieved due in part to the increased buying power of equipment standardization and synergy of MDFR and MDPD.

Accordingly, it is recommended that the Board approve this designated purchase to allow MDFR to complete the necessary upgrades to the UHF Public Safety Radio System and to allow MDFR and MDPD to purchase the necessary new equipment.

### **Scope**

The scope of this item is countywide in nature.

**Fiscal Impact/Funding Source**

The fiscal impact for the five-year term is \$133,900,000, including a contingency reserve of \$650,000 for required change orders to address the potential for additional equipment and service requirements identified during the implementation of the Contract. Should the County choose to exercise, at its sole discretion, the first, five-year option to renew, the estimated cumulative value will be \$165,000,000. The remaining two options-to-renew will be presented to the Board for approval. The current contract, BW7514-15/24-13, is currently valued at \$99,793,860 term and final option to renew term expires on December 14, 2024. The proposed pricing is valid until August 24<sup>th</sup>, 2022. Should the contract be awarded afterward, the price will be increase by \$3,577,555. The allocation under the previous contract is lower due to the standardization of radios for two public safety agencies, MDR and MDPD.

Department	Allocation	Funding Source	Contract Manager
Fire	\$50,000,000	Financing Proceeds	Marianela Betancourt
Police*	\$83,900,000	Financing Proceeds	Laura Romano
<b>Total:</b>	<b>\$133,900,000</b>		

\* It should be noted that contract contains termination for convenience and transfer provisions which can be exercised if the commodities and services in this item are affected by the establishment of the constitutional offices.

**Track Record/Monitor**

Angela Mathews-Tranumn of the Internal Services Department is the Procurement Contracting Manager.

**Delegated Authority**

If this item is approved, the County Mayor or County Mayor's designee will have the authority to exercise all provisions of the contract, including any cancellation provisions and the first extension provision therein, pursuant to Section 2-8.1 of the County Code and Implementing Order 3-38. The County Mayor or County Mayor's designee shall also have the authority to approve all change orders within the scope of the Contract and the identified contingency reserve. The remaining two, five-year option to renew terms will be presented to the Board for approval.

**Vendor Recommended for Award**

Pursuant to Resolution No. R-477-18, there are no local vendors that can provide the County with the products or services that are included in this contract.

Vendor	Principal Address	Local Address*	Number of Employee Residents	Principal
			1) Miami-Dade 2) Percentage*	
Motorola Solutions, Inc.	500 West Monroe Street Chicago, IL	None	100	Gregory Q. Brown
			.5%	

\*Provided pursuant to Resolution No. R-1011-15. Percentage of employee residents is the percentage of vendor's employees who reside in Miami-Dade County as compared to the vendor's total workforce.

**Due Diligence**

Pursuant to Resolution No. R-187-12, due diligence was conducted in accordance with the Internal Services Department's Procurement Guidelines to determine contractor responsibility, including verifying corporate status and that there are no performance or compliance issues. The lists that were referenced included convicted vendors, debarred vendors, delinquent contractors, suspended vendors, and federal excluded parties. There were no adverse findings relating to contractor responsibility.

**Applicable Ordinances and Contract Measures**

- The two percent User Access Program provision applies where permitted by the funding source.
- The Small Business Enterprise measures and Local Preference do not apply.
- The Living Wage does not apply as the services to be procured are not covered services under the Ordinance.



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Alfredo "Freddy" Ramirez III  
Interim Chief Public Safety Officer



Approved \_\_\_\_\_ Mayor Agenda Item No.  
Veto \_\_\_\_\_  
Override \_\_\_\_\_

RESOLUTION NO. \_\_\_\_\_

RESOLUTION APPROVING DESIGNATED PURCHASE PURSUANT TO SECTION 2-8.1(B)(3) OF THE COUNTY CODE BY A TWO-THIRDS VOTE OF THE BOARD MEMBERS PRESENT FOR A CONTRACT WITH MOTOROLA SOLUTIONS, INC., AT A COST NOT TO EXCEED \$133,900,000, FOR A FIVE-YEAR TERM WITH THREE ADDITIONAL FIVE-YEAR OPTIONS TO RENEW, FOR REPLACEMENT OF END-OF-LIFE RADIOS, TO PERFORM NECESSARY MAINTENANCE AND IMPROVEMENTS TO THE PUBLIC SAFETY COMMUNICATIONS SYSTEMS, AND DEPLOY AN UPGRADED VISLINK HELICOPTER AIR-TO GROUND VIDEO STREAMING SYSTEM FOR MIAMI-DADE FIRE RESCUE AND MIAMI-DADE POLICE DEPARTMENTS; AND AUTHORIZING THE COUNTY MAYOR OR COUNTY MAYOR'S DESIGNEE TO EXECUTE THE CONTRACT, ISSUE THE APPROPRIATE PURCHASE ORDERS, EXERCISE THE PROVISIONS OF THE CONTRACT, EXERCISE THE FIRST OPTION TO RENEW, AND APPROVE CHANGE ORDERS UP TO THE TO VALUE OF THE CONTRACT INCLUDING THE CONTINGENCY FUND

**WHEREAS**, this Board desires to accomplish the purposes outlined in the accompanying memorandum, a copy of which is incorporated herein by reference,

**NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF COUNTY COMMISSIONERS OF MIAMI-DADE COUNTY, FLORIDA**, that:

**Section 1.** This Board finds it is in the best interest of Miami-Dade County to approve a designated purchase, pursuant to section 2-8.1 (b)(3) of the Code of Miami-Dade County, by a two-thirds vote of the Board members present and approves a contract with Motorola Solutions, Inc., at a cost not to exceed \$133,900,000 for a five-year term with three additional five-year options to renew to replace end of life radios, perform necessary maintenance and improvements to the System and deploy an upgraded Vislink Helicopter Air-to Ground Video Streaming system.

**Section 2.** This Board authorizes the County Mayor or County Mayor's designee to:  
(a) execute the contract; (b) issue the appropriate purchase orders; (c) exercise the provisions of

the contract, including any cancellation and the first option to renew, pursuant to Section 2-8.1 of the County Code and Implementing Order 3-38; and approve change orders up to the total value of the contract including the contingency fund. A copy of the contract is on file with and available upon request from the Internal Services Department, Strategic Procurement Division.

The foregoing resolution was offered by Commissioner who moved its adoption. The motion was seconded by Commissioner and upon being put to a vote, the vote was as follows:

- |                                       |                        |
|---------------------------------------|------------------------|
| Jose "Pepe" Diaz, Chairman            |                        |
| Oliver G. Gilbert, III, Vice-Chairman |                        |
| Sen. René García                      | Keon Hardemon          |
| Sally A. Heyman                       | Danielle Cohen Higgins |
| Eileen Higgins                        | Joe A. Martinez        |
| Kionne L. McGhee                      | Jean Monestime         |
| Raquel A. Regalado                    | Rebeca Sosa            |
| Sen. Javier D. Souto                  |                        |

The Chairperson thereupon declared the resolution duly passed and adopted this day of , 20 . This resolution shall become effective upon the earlier of (1) 10 days after the date of its adoption unless vetoed by the County Mayor, and if vetoed, shall become effective only upon an override by this Board, or (2) approval by the County Mayor of this Resolution and the filing of this approval with the Clerk of the Board.

MIAMI-DADE COUNTY, FLORIDA  
BY ITS BOARD OF  
COUNTY COMMISSIONERS

HARVEY RUVIN, CLERK

By: \_\_\_\_\_  
Deputy Clerk

Approved by County Attorney as  
to form and legal sufficiency. \_\_\_\_\_