

Memorandum



DATE: April 8, 2016

TO: Honorable Members of the Public Safety Committee:
Adam Medrano (Chair), B. Adam McGough (Vice Chair), Sandy Greyson, Tiffinni A. Young,
Jennifer S. Gates, Philip T. Kingston

SUBJECT: **Portable Radio Inventory**

On Monday, April 11, 2016, you will be briefed on the Portable Radio Inventory by Communications Specialist Shawn Kelley of the Dallas Fire-Rescue Department.

The briefing materials are attached for your review.

Please contact me if you have any questions or need additional information.



Eric D. Campbell
Assistant City Manager

[Attachment]

cc: Honorable Mayor and Members of the City Council
A.C. Gonzalez, City Manager
Warren M.S. Ernst, City Attorney
Craig D. Kinton, City Auditor
Rosa A. Rios, City Secretary
Daniel F. Solis, Administrative Judge
Ryan S. Evans, First Assistant City Manager

Jill A. Jordan, P.E., Assistant City Manager
Mark McDaniel, Assistant City Manager
Joey Zapata, Assistant City Manager
Jeanne Chipperfield, Chief Financial Officer
Sana Syed, Public Information Officer
Elsa Cantu, Assistant to the City Manager – Mayor & Council

Dallas Fire-Rescue Department Portable Radio Inventory



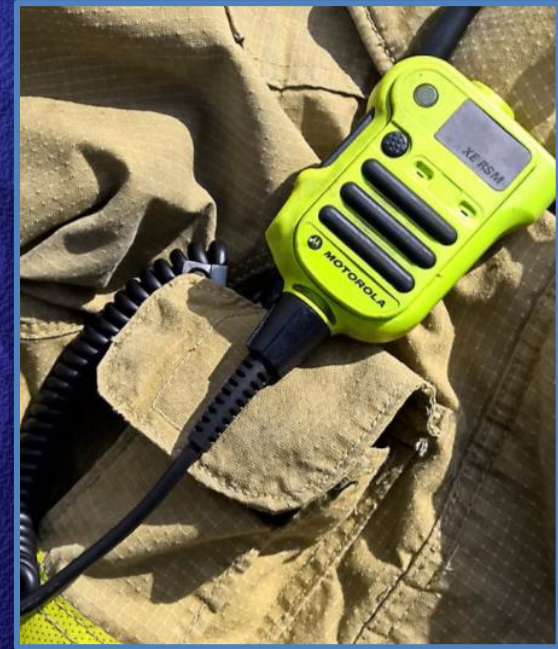
Public Safety Committee

April 11, 2016



Purpose

- Dallas Fire-Rescue Department's (DFR) portable radio inventory overview
- Fire service design requirements
- Discuss radio interoperability
- In-building radio coverage
- Field communications support



Portable Radio Inventory

- Inventory includes 966 portable radios
- Entire inventory acquired in 2012 – To meet Federal Communications Commission (FCC) narrowband frequency use mandate



Unique Requirements - Fire Service

- Not just for dispatch – Crucial tool used for effective tactical operations
- Lifeline for firefighters engaged in hazardous environments



Unique Requirements - Fire Service

- Radio Design and Ergonomics – Durability as well as accessible controls use is critical
- Programming – Radio features tailored for use in hazardous environments, while wearing firefighting ensembles



Unique Requirements - Fire Service

- Radios assigned to positions rather than persons
- Inventory control procedures employed daily
- Backup radio equipment is always available if needed

Dallas Fire-Rescue Internal Document System

YOU ARE CURRENTLY EDITING DAILY INVENTORY FOR ENGINE 04

INVENTORY CHECK OFF

CURRENT LOCATION	ITEM	INVENTORY ID	PERMANENT ASSIGNMENT	CHANGE STATUS
ENGINE 04	AED	39167897	ENGINE 04	Operational
ENGINE 04	RADIO	P26354	ENGINE 04	Operational
ENGINE 04	RADIO	P26353	ENGINE 04	Operational
ENGINE 04	RADIO	P26352	ENGINE 04	Operational
ENGINE 04	RADIO	P26351	ENGINE 04	Operational

ENGINE EQUIPMENT INVENTORY

LIFEPACK (Enter Lifepack# or N/A)
TOUGH BOOK (Enter Toughbook# or N/A)
AED (Enter AED# or N/A)

APPARATUS CHECK OFF - Engine 04

APPARATUS	EQUIPMENT #	CHANGE STATUS
Engine 04	<input type="text"/>	Operational

I AM VERIFYING THAT:
1) THIS APPARATUS IS IN PROPER WORKING ORDER, AND NO REPAIRS ARE NEEDED.
2) ALL EQUIPMENT CARRIED ON THIS APPARATUS IS ACCOUNTED FOR AND IN PROPER WORKING ORDER.

* IF "REPAIRS NEEDED" IS SELECTED, ENTER SHORT DESCRIPTION HERE.
* This is required

EmpNumber
PIN

By clicking "LOG ENTRIES", you're verifying all equipment and apparatus is operational and accounted for!

Radio Interoperability

- Dallas radios used for Mutual Aid and Auto Assist (AAA) communications with other agencies (Plano Fire Dept., Duncanville Fire Dept., etc.)
- Coordinate for radio channel sharing with neighboring agencies (Mutual Aid and AAA)



In-Building Radio Coverage

- Need for coverage inside of structures: Building size and construction features hinder effective communications
- Below ground: Communications are also hindered
- Radio enhancement systems



Field Communications Support

- Deployable portable radio cache – Radios must be constantly maintained and conditioned
- Utilized for special events (e.g., Super Bowl, JFK Presidential Commemoration, etc.)



Field Communications Support

- Deployable repeater to boost radio signal communications
- Enhanced service for planned events



Questions

