



# CHANGE ORDER

[#008]

**Change Order No.** 08-A

**Date:** 09/17/19

**Project Name:** MERA Next Generation Radio System

**Customer Name:** Marin County

**Customer Project Mgr:** Ernest Klock

## The purpose of this Change Order is to:

Capture the following changes:

1. Addition of MPLS hardware, system design, implementation services, and training - including the provisioning of non-LMR traffic
2. Deletion of one microwave network refresh

**Contract #** 31701399

**Contract Date:** 03/07/17

In accordance with the terms and conditions of the contract identified above between Marin County and Motorola Solutions, Inc., the following changes are approved:

## Contract Price Adjustments

Original Contract Value:	\$ 34,337,451.06
Previous Change Order amounts for Change Order numbers 0-7 through 9-10	\$ 7,653,457.77
This Change Order:	\$ 124,356.08
Existing Contract Credit:	\$ 0.00
Net Contract Impact of this Change Order:	\$ 124,356.08
New Contract Value:	\$ 42,115,264.91

**Completion Date Adjustments**

Original Completion Date:	3/27/2019
Current Completion Date prior to this Change Order:	12/27/2022
New Completion Date:	12/27/2022

**Changes in Equipment:** *(additions, deletions or modifications)* Include attachments if needed

Please refer to the attached equipment list for new MPLS equipment. All Layer 2 related equipment will be removed

**Changes in Services:** *(additions, deletions or modifications)* Include attachments if needed

Please refer to the attached Scope of Work (SOW) document for MPLS design and implementation SOW. One microwave network refresh, which involves a complete replacement of all 9500 MPR microwave radios (dishes, lines, dehydrators are excluded), is removed from the contract's scope of work and applied as credit towards the purchase of this Change Order

**Schedule Changes:** *(describe change or N/A)*

The project schedule will be finalized upon CDR approvals and is contingent upon CEQA and site construction timelines

**Pricing Changes:** *(describe change or N/A)*

Please refer to the attached pricing summary sheet  
Please note that taxes are estimated at 9% but the final number will be determined based on where the equipment will be shipped

**Customer Responsibilities:** *(describe change or N/A)*

Please refer to the attached Scope of Work (SOW) document

**Payment Schedule for this Change Order:***(describe new payment terms applicable to this change order)*

The payment milestone plan for this Change Order is the following:

1. 20% of the Change Order price upon signing this Change Order
2. 45% of the Change Order price upon shipment of equipment
3. 25% of the Change Order price upon completion of installation (site by site)
4. 10% of the Change Order price upon final system acceptance

**If Subscribers are purchased, 100% of the Subscriber Contract Price will be invoiced upon shipment (as shipped).**

Motorola may make partial shipments of Equipment and will request payment upon shipment of such Equipment. In addition, Motorola will invoice for installations completed on a site-by-site basis or when professional services are completed, when applicable. The value of the Equipment shipped/services performed will be determined by the value of the shipped/services performed as a percentage of the total milestone value. Unless otherwise specified, contract discounts are based upon all items proposed and overall System package. For invoicing purposes only, discounts will be applied proportionately to the FNE and Subscriber Equipment values to total Contract Price. Overdue invoices will bear simple interest at the maximum allowable rate.

Unless amended above, all other terms and conditions of the Contract shall remain in full force. If there are any inconsistencies between the provisions of this Change Order and the provisions of the Contract, the provisions of this Change Order will prevail.

IN WITNESS WHEREOF the parties have executed this Change Order as of the last date signed below.

**Motorola Solutions,  
Inc.**

**Customer**

By: \_\_\_\_\_  
Printed Name: KENT MARTIN  
Title: Regional Services Manager  
Date: September 17, 2019

By: \_\_\_\_\_  
Printed Name: \_\_\_\_\_  
Title: \_\_\_\_\_  
Date: \_\_\_\_\_

Reviewed by: Kourosh Mostashari  
\_\_\_\_\_  
Motorola Solutions Project Manager

Date: September 17, 2019  
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# CHANGE ORDER #8 ATTACHMENT

SEPTEMBER 17, 2019

# CHANGE ORDER #8 ATTACHMENT

The following changes have been captured in Change Order #8:

1. Addition of MPLS hardware, system design, implementation services, and training - including the provisioning of non-LMR traffic
2. Deletion of one microwave network refresh, which involves a complete replacement of all 9500 MPR microwave radios (dishes, lines, dehydrators are excluded)

Summary of services included for this item is the following:

- Establish the system architecture and logically identify which networks/sites need to communicate within the system
- Define and build the bandwidth requirements document (TNDT report) for each site
- Define the QoS values for ASTRO and other applications
- Determine demarcation points at each site for non-ASTRO traffic
- Review and validate all the requirements identified in Appendix A
- Define and build the WAN Transport IP Plan for ASTRO application based on the logical design
- Gather, validate and input TNCT parameter for config generation, validation and configuration file generation
- Build and deploy MPLS Configuration files. This includes the Network Management Subsystem
- Ensure all MPLS equipment is installed and connected as specified in the rack drawings
- Ensure physical connectivity has been tested and validated before validating service/logical connectivity
- Each service logical path will be tested using the Y.1564 testing method to validate the design specifications
- Provide As-Built Documentation for provided equipment; this will include a network drawing and final IP plan
- Provide all router configuration files and audit of each device

All MPLS equipment come with a one-year standard repair warranty. No additional support or life cycle services are included as a part of this Change Order for MPLS.

In collaboration with MERA, Motorola has identified the non-LMR traffic (such as IP cameras) that will be provisioned on the MPLS network as per Appendix A.

The detailed MPLS equipment list has been provided in Appendix B.

# APPENDIX A – NON-LMR TRAFFIC





# APPENDIX B – EQUIPMENT LIST





# APPENDIX C – PRICING SUMMARY



Equipment	Price
L2 Equipment Credit	\$ (210,774.64)
MPLS Equipment Cost	\$ 606,337.50
Total	\$ 395,562.86
Implementation Services	Price
MPLS Implementation Costs	\$ 230,000.00
Total	\$ 230,000.00
Training	Price
MPLS Training Costs	\$ 15,000.00
Total	\$ 15,000.00
Total MPLS Equipment, Implementation Services, and Training	\$ 640,562.86
Life Cycles Services	Price
Software Subscription Plan - 16 MSS shelves, Years 4-10 and TS Support for TSM8000 Years 4-10	\$ (138,553.78)
One Microwave Network Refresh Credit	\$ (413,253.00)
Total Life Cycles Services	\$ (551,806.78)

Price Summary	
	Price
MPLS Equipment, Implementation Services, and Training after discount	\$ 640,562.86
Life Cycle Services Credit	\$ (551,806.78)
Total	\$ 88,756.08
Estimated Equipment Taxes at 9%	\$ 35,600.00
Final Price	\$ 124,356.08

Milestone Plan for MPLS Equipment, Implementation Services, and Training Total (including taxes)	\$ 676,162.86
Payment Milestone	Payment Amount
20% of the Change Order price upon signing of the Change Order	\$ 135,232.57
45% of the Change Order price upon shipment of equipment	\$ 304,273.29
25% of the Change Order price upon completion of installation (site by site)	\$ 169,040.72
10% of the Change Order price upon final system acceptance	\$ 67,616.29
Total	\$ 676,162.86