

**EMERGENCY MEDICAL SERVICES AUTHORITY**

10901 GOLD CENTER DR., SUITE 400  
RANCHO CORDOVA, CA 95670  
(916) 322-4336 FAX (916) 322-1441



March 21, 2017

Mr. Miles Julihn, EMS Administrator  
Marin County EMS Agency  
1600 Los Gamos Drive, Suite 220  
San Rafael, CA 94903

Dear Mr. Julihn:

This letter is in response to Marin County's 2016 EMS Plan Update submission to the EMS Authority on December 27, 2016.

**I. Introduction and Summary:**

The EMS Authority has concluded its review of Marin County's 2016 EMS Plan Update and is approving the plan as submitted.

**II. History and Background:**

Marin County received its last full plan approval for its 1995 plan submission, and its last annual plan update for its 2014 plan submission.

Historically, we have received EMS Plan submissions from Marin County for the following years:

- 1995
- 1999
- 2004
- 2007
- 2009
- 2010
- 2012
- 2014

Health and Safety Code (HSC) § 1797.254 states:

*"Local EMS agencies shall **annually** (emphasis added) submit an emergency medical services plan for the EMS area to the authority, according to EMS Systems, Standards, and Guidelines established by the authority".*

The EMS Authority is responsible for the review of EMS Plans and for making a determination on the approval or disapproval of the plan, based on compliance with statute and the standards and guidelines established by the EMS Authority consistent with HSC § 1797.105(b).

### III. Analysis of EMS System Components:

Following are comments related to Marin County's 2016 EMS Plan Update. Areas that indicate the plan submitted is concordant and consistent with applicable guidelines or regulations, HSC § 1797.254, and the EMS system components identified in HSC § 1797.103, are indicated below:

- |    | Approved                            | Not Approved             |   |
|----|-------------------------------------|--------------------------|---|
| A. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <u>System Organization and Management</u> |
| B. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <u>Staffing/Training</u>                  |
| C. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <u>Communications</u>                     |
| D. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <u>Response/Transportation</u>            |

#### 1. Ambulance Zones

- Based on the documentation provided by Marin County, please find enclosed the EMS Authority's determination of the exclusivity of Marin County's ambulance zones.

- |    |                                     |                          |  |
|----|-------------------------------------|--------------------------|--|
| E. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <u>Facilities/Critical Care</u>          |
| F. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <u>Data Collection/System Evaluation</u> |
| G. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <u>Public Information and Education</u>  |
| H. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <u>Disaster Medical Response</u>         |

### IV. Conclusion:

Based on the information identified, Marin County's 2016 EMS Plan Update is approved.

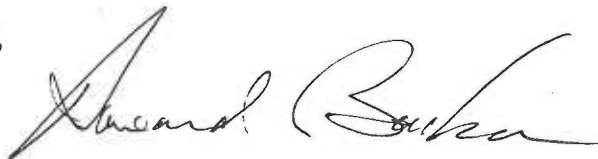
Pursuant to HSC § 1797.105(b):

*“After the applicable guidelines or regulations are established by the Authority, a local EMS agency may implement a local plan...unless the Authority determines that the plan does not effectively meet the needs of the persons served and is not consistent with the coordinating activities in the geographical area served, or that the plan is not concordant and consistent with applicable guidelines or regulations, or both the guidelines and regulations established by the Authority.”*

**V. Next Steps:**

Marin County's next annual EMS Plan Update will be due on or before March 31, 2018. If you have any questions regarding the plan review, please contact Ms. Lisa Galindo, EMS Plans Coordinator, at (916) 431-3688.

Sincerely,

A handwritten signature in black ink, appearing to read "Howard Backer". The signature is fluid and cursive, with a large initial "H" and "B".

Howard Backer, MD, MPH, FACEP  
Director

Enclosure

2016 Marin County EMS Transportation Plan  
Approved

ZONE	EXCLUSIVITY			TYPE			LEVEL										
	Non-Exclusive	Exclusive	Method to Achieve Exclusivity	Emergency Ambulance	ALS	LALS	All Emergency Ambulance Services	9-1-1 Emergency Response	7-digit Emergency Response	ALS Ambulance	All ALS Ambulance Services (includes emergency and IFT)	All CCT/ALS Ambulance Services	BLS IFT	BLS Non-Emergency	Standby Service with Transport Authorization	All Air Ambulance	Emergency Air Ambulance
Paramedic Response Zone Area A		X	Non-Competitive	X				X	X	X							
Paramedic Response Zone Area B		X	Non-Competitive	X				X	X								
Paramedic Response Zone Area C	X																
Paramedic Response Zone Area D		X	Non-Competitive	X				X	X	X							
Paramedic Response Zone Area E		X	Non-Competitive	X				X	X	X							

# County of Marin

## 2016 EMS Plan Update



1600 Los Gamos Dr., Suite 220  
San Rafael, California 94903

## 2016 EMS PLAN UPDATE SUMMARY

This EMS Plan Update for the County of Marin is intended to meet statutory requirements of California's Health & Safety Code, Division 2.5, 1797.254. It is submitted in a format suggested by the California EMS Authority. There are no significant changes from our 2014 EMS Plan Update that was approved by the Authority in August 2015. All data is for calendar year 2015 except for LEMSA budget data which is for FY 2015-16. Marin County looks forward to submitting its next EMS Plan Update via a new online tool now under development.

### Goals and Objectives for previous reporting period:

Goal/Objective	Current status/ Progress
Implement and test revised MCI plan (i.e., Multiple Patient Management Plan).	Complete
Encourage hospital participation in Statewide Medical Health Exercise.	Complete
Develop and publish Field Treatment Site guidelines.	Still in progress
Implement a Stroke System in Marin.	Complete
Develop reports from ePCR software to submit for EMSA Core Quality Measures data.	Complete
Conduct annual "sidewalk CPR" event at 20 venues in June.	Complete

### Goals and Objectives for next reporting period:

Goal/Objective	Current status/ Target Date
Upgrade ePCR software to NEMSIS v3.4.	October 2016
Complete transition from current ePCR (ESO <i>Pro</i> ) to ImageTrend <i>Elite</i> .	February 2017
Conduct hospital surge exercise to test ED capacity to receive multiple patients with short notice.	Spring 2017
Assist medical dispatch center upgrade to most current version of Priority Dispatch™ EMD protocols.	April 2017
Continue to improve cardiac arrest survival rates by encouraging bystander CPR via annual county-wide "Hands-Only CPR" event.	June 2017
Implement pilot study on the use of telemedicine for prehospital neuro assessment of stroke patients.	June 2017

## A. SYSTEM ORGANIZATION AND MANAGEMENT

		Does not currently meet standard	Meets minimum standard	Meets recommended guidelines	Short-range plan	Long-range plan
<b>Agency Administration:</b>						
1.01	LEMSA Structure		X			
1.02	LEMSA Mission		X			
1.03	Public Input		X			
1.04	Medical Director		X	X		
<b>Planning Activities:</b>						
1.05	System Plan		X			
1.06	Annual Plan Update		X			
1.07	Trauma Planning		X	X		
1.08	ALS Planning		X			
1.09	Inventory of Resources		X			
1.10	Special Populations		X	X		
1.11	System Participants		X	X		
<b>Regulatory Activities:</b>						
1.12	Review & Monitoring		X			
1.13	Coordination		X			
1.14	Policy & Procedures Manual		X			
1.15	Compliance w/Policies		X			
<b>System Finances:</b>						
1.16	Funding Mechanism		X			
<b>Medical Direction:</b>						
1.17	Medical Direction		X			
1.18	QA/QI		X	X		
1.19	Policies, Procedures, Protocols		X			

**SYSTEM ORGANIZATION AND MANAGEMENT (continued)**

		Does not currently meet standard	Meets minimum standard	Meets recommended guidelines	Short-range plan	Long-range plan
1.20	DNR Policy		X			
1.21	Determination of Death		X			
1.22	Reporting of Abuse		X			
1.23	Interfacility Transfer		X			
<b>Enhanced Level: Advanced Life Support</b>						
1.24	ALS Systems		X			
1.25	On-Line Medical Direction <sup>1</sup>		X			
<b>Enhanced Level: Trauma Care System:</b>						
1.26	Trauma System Plan		X			
<b>Enhanced Level: Pediatric Emergency Medical and Critical Care System:</b>						
1.27	Pediatric System Plan		X			
<b>Enhanced Level: Exclusive Operating Areas:</b>						
1.28	EOA Plan		X			

**B. STAFFING/TRAINING**

		Does not currently meet standard	Meets minimum standard	Meets recommended guidelines	Short-range plan	Long-range plan
<b>Local EMS Agency:</b>						
2.01	Assessment of Needs		X			
2.02	Approval of Training		X			
2.03	Personnel		X			
<b>Dispatchers:</b>						
2.04	Dispatch Training		X			

<sup>1</sup> Standard medical direction for the EMS system is via written protocols. Consultation is available with an ED physician at receiving hospitals via phone or radio.



First Responders (non-transporting):					
2.05	First Responder Training		X		
2.06	Response		X		
2.07	Medical Control		X		
Transporting Personnel:					
2.08	EMT-I Training		X		
Hospital:					
2.09	CPR Training		X		
2.10	Advanced Life Support		X		
Enhanced Level: Advanced Life Support:					
2.11	Accreditation Process		X		
2.12	Early Defibrillation		X		
2.13	Base Hospital Personnel		X		

### C. COMMUNICATIONS

		Does not currently meet standard	Meets minimum standard	Meets recommended guidelines	Short-range plan	Long-range plan
Communications Equipment:						
3.01	Communication Plan		X			
3.02	Radios		X			
3.03	Interfacility Transfer		X			
3.04	Dispatch Center		X			
3.05	Hospitals		X			
3.06	MCI/Disasters		X			
Public Access:						
3.07	9-1-1 Planning/Coordination		X			
3.08	9-1-1 Public Education		X			

Resource Management:					
3.09	Dispatch Triage		X		
3.10	Integrated Dispatch		X		

#### D. RESPONSE/TRANSPORTATION

		Does not currently meet standard	Meets minimum standard	Meets recommended guidelines	Short-range plan	Long-range plan
<b>Universal Level:</b>						
4.01	Service Area Boundaries		X			
4.02	Monitoring		X			
4.03	Classifying Medical Requests		X			
4.04	Prescheduled Responses		X			
4.05	Response Time		X			
4.06	Staffing		X			
4.07	First Responder Agencies		X			
4.08	Medical & Rescue Aircraft		X			
4.09	Air Dispatch Center		X			
4.10	Aircraft Availability		X			
4.11	Specialty Vehicles		X			
4.12	Disaster Response		X			
4.13	Intercounty Response		X			
4.14	Incident Command System		X			
4.15	MCI Plans		X			
<b>Enhanced Level: Advanced Life Support:</b>						
4.16	ALS Staffing		X			
4.17	ALS Equipment		X			

Enhanced Level: Ambulance Regulation:					
4.18	Compliance		X		
Enhanced Level: Exclusive Operating Permits:					
4.19	Transportation Plan		X		
4.20	"Grandfathering"		X		
4.21	Compliance		X		
4.22	Evaluation		X		

**E. FACILITIES/CRITICAL CARE**

		Does not currently meet standard	Meets minimum standard	Meets recommended guidelines	Short-range plan	Long-range plan
Universal Level:						
5.01	Assessment of Capabilities		X			
5.02	Triage & Transfer Protocols		X			
5.03	Transfer Guidelines		X			
5.04	Specialty Care Facilities		X			
5.05	Mass Casualty Management		X			
5.06	Hospital Evacuation		X			
Enhanced Level: Advanced Life Support:						
5.07	Base Hospital Designation		X			
Enhanced Level: Trauma Care System:						
5.08	Trauma System Design		X			
5.09	Public Input		X			
Enhanced Level: Pediatric Emergency Medical and Critical Care System:						
5.10	Pediatric System Design					
5.11	Emergency Departments					

5.12	Public Input					
<b>Enhanced Level: Other Specialty Care Systems: STEMI</b>						
5.13	Specialty System Design		X			
5.14	Public Input		X			

**F. DATA COLLECTION/SYSTEM EVALUATION**

		Does not currently meet standard	Meets minimum standard	Meets recommended guidelines	Short-range plan	Long-range plan
<b>Universal Level:</b>						
6.01	QA/QI Program		X			
6.02	Prehospital Records		X			
6.03	Prehospital Care Audits		X			
6.04	Medical Dispatch		X			
6.05	Data Management System		X			
6.06	System Design Evaluation		X			
6.07	Provider Participation		X			
6.08	Reporting		X			
<b>Enhanced Level: Advanced Life Support:</b>						
6.09	ALS Audit		X			
<b>Enhanced Level: Trauma Care System:</b>						
6.10	Trauma System Evaluation		X			
6.11	Trauma Center Data		X			