

EMERGENCY MEDICAL SERVICES AUTHORITY

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May 15, 2018

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 2018 EMS Plan Update submission to the EMS Authority on March 2, 2018.

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 2016 plan submission.

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

- 1995
- 1999
- 2004
- 2007
- 2009-2010
- 2012
- 2014
- 2016

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 2018 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> |

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> |

EMS Data

- Using information submitted by the Local EMS Agency, the EMS Authority shall assess each EMS area or the system's service area to determine the effectiveness of emergency medical services (HSC § 1797.102) as it relates to data collection and evaluation (HSC § 1797.103).

Statewide, there are 26 Local EMS Agencies submitting EMS data. Our records indicate Marin County is not submitting EMS data at this time, but will be implementing a new data system on

June 5, 2018. The EMS Authority appreciates this implementation and looks forward to the future submission of data.

- G. Public Information and Education
- H. Disaster Medical Response

IV. Conclusion:

Based on the information identified, Marin County's 2018 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 May 31, 2019. If you have any questions regarding the plan review, please contact Ms. Lisa Galindo, EMS Plans Coordinator, at (916) 431-3688.

Sincerely,



Tom McGinnis, EMT-P
Chief, EMS Systems Division

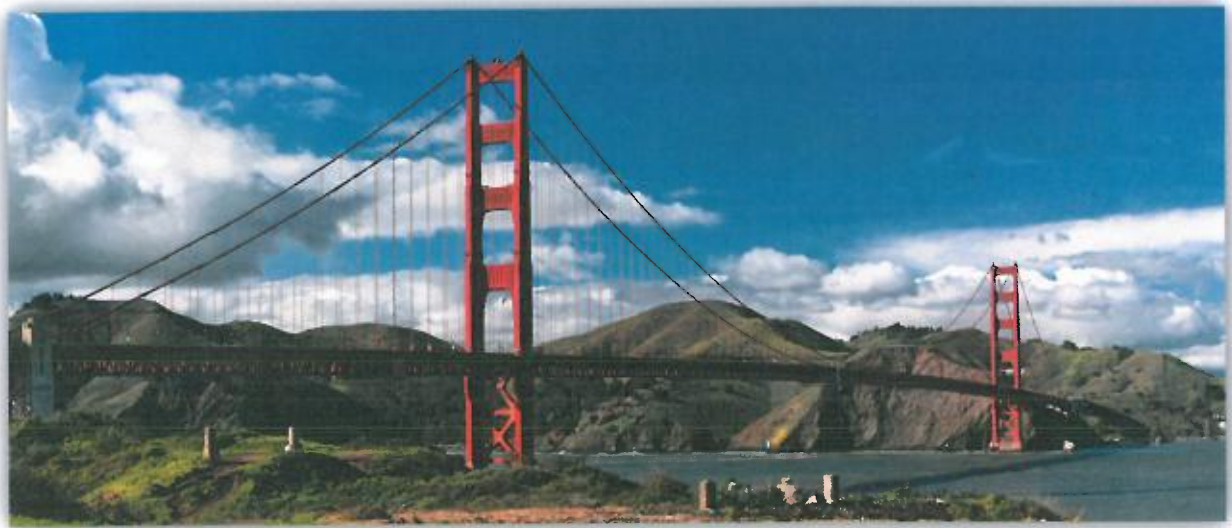
Enclosure

2018 Marin County EMS Transportation Plan
Approved

ZONE	EXCLUSIVITY			TYPE			LEVEL										
	Non-Exclusive	Exclusive	Method to Achieve Exclusivity	Emergency Ambulance	ALS	LALS	All Emergency 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

2018 EMS Plan Update



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

2018 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 2016 EMS Plan Update that was approved by the Authority in March 2017. All data is for calendar year 2017 except for LEMSA budget data which is for FY 2017-18. 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
Upgrade ePCR software to NEMSIS v3.4.	Completed October 2016
Complete transition from current ePCR (ESO Pro) to ImageTrend Elite.	Project delayed
Conduct hospital surge exercise to test ED capacity to receive multiple patients with short notice.	Completed May 2017
Assist medical dispatch center upgrade to most current version of Priority Dispatch™ EMD protocols.	Completed June 2017
Continue to improve cardiac arrest survival rates by encouraging bystander CPR via annual county-wide "Hands-Only CPR" event.	Completed June 2017
Implement pilot study on the use of telemedicine for prehospital neuro assessment of stroke patients.	Project delayed

Goals and Objectives for next reporting period:

Goal/Objective	Target Date
Update Multiple Patient Management Plan for MCIs	January 2018
Complete transition from current ePCR (ESO Pro) to ImageTrend Elite.	April 2018
Implement Community Paramedicine Pilot Project	June 2018
Continue to improve cardiac arrest survival rates by encouraging bystander CPR via annual county-wide "Hands-Only CPR" event.	June 2018
Implement pilot study on the use of telemedicine for prehospital neuro assessment of stroke patients.	August 2018

A. SYSTEM ORGANIZATION AND MANAGEMENT

		Does not currently meet standard	Meets minimum standard	Meets recommended guidelines	Short-range plan	Long-range plan
Agency Administration:						
1.01	LEMSA Structure		X			
1.02	LEMSA Mission		X			
1.03	Public Input		X			
1.04	Medical Director		X	X		
Planning Activities:						
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		
Regulatory Activities:						
1.12	Review & Monitoring		X			
1.13	Coordination		X			
1.14	Policy & Procedures Manual		X			
1.15	Compliance w/Policies		X			
System Finances:						
1.16	Funding Mechanism		X			
Medical Direction:						
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			
Enhanced Level: Advanced Life Support						
1.24	ALS Systems		X			
1.25	On-Line Medical Direction ¹		X			
Enhanced Level: Trauma Care System:						
1.26	Trauma System Plan		X			
Enhanced Level: Pediatric Emergency Medical and Critical Care System:						
1.27	Pediatric System Plan		X			
Enhanced Level: Exclusive Operating Areas:						
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
Local EMS Agency:						
2.01	Assessment of Needs		X			
2.02	Approval of Training		X			
2.03	Personnel		X			
Dispatchers:						
2.04	Dispatch Training		X			

¹ 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
Universal Level:						
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			
Enhanced Level: Advanced Life Support:						
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					