

EMERGENCY MEDICAL SERVICES AUTHORITY

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October 10, 2018

Mr. Dave Magnino, EMS Administrator
Sacramento County EMS Agency
9616 Micron Avenue, Suite 960
Sacramento, CA 95827

Dear Mr. Magnino:

This letter is in response to Sacramento County's 2017 EMS Plan Update submission to the EMS Authority on September 7, 2018.

I. Introduction and Summary:

The EMS Authority has concluded its review of Sacramento County's 2017 EMS Plan Update and is approving the plan as submitted.

II. History and Background:

Sacramento County received its last full plan approval for its 2010 plan submission, and its last annual plan update for its 2016 plan submission.

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

- 1999
- 2001
- 2002
- 2004-2008
- 2010-2016

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 Sacramento County's 2017 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, please find enclosed the EMS Authority's determination of the exclusivity of Sacramento 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, Sacramento County's 2017 EMS Plan Update is approved.

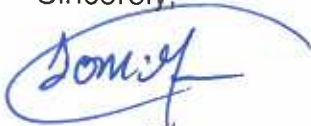
Pursuant to HSC § 1797.105(b):

“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:

Sacramento County’s next annual EMS Plan Update will be due on or before October 31, 2019. 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 blue ink, appearing to read "Tom McGinnis", with a large, sweeping flourish underneath.

Tom McGinnis, EMT-P
Chief, EMS Systems Division

Enclosure



County of Sacramento

August 28, 2018

Howard Backer, MD, Director
Emergency Medical Services Authority
10901 Gold Center Dr, Suite 400
Rancho Cordova, CA 95670

Dear Dr. Backer:

Please see the attached annual updates to the Sacramento County 2017 Emergency Medical Services (EMS) Plan, the 2017 Trauma System Annual Update, and the 2017 Annual Quality Improvement Program (QIP). These are submitted in accordance with EMSA #103, *EMS System Guidelines* and *Title 22, Division 9, Chapter 12, EMS System Quality Improvement*.

EMS PLAN ANNUAL UPDATE

No significant changes have been made to the EMS Plan during the past year. Key items are noted below.

SECTION I: Summary of System Status

#1.02 – LEMSA Mission:

- Staff worked to improve the data collected from out-of-hospital providers through monitoring the quality of data submitted on a monthly basis. All ALS providers were compliant and submitting NEMSIS v3.4 as of March 31, 2017.
- Sacramento International Airport Systems Aircraft Rescue, Firefighting Division, started submitting NEMSIS v3.4 data into CEMSIS by utilizing the ePCR Device Grant issued by EMS Authority.
- Will continue efforts to implement NEMSIS v3.4 data submission by Basic Life Support first responder agencies by December 31, 2018.

#1.10 – Special Populations:

- The Agency identified four different special populations in 2017 and drafted plans to work with EMS providers and these populations:
 - Geriatric
 - Individuals with behavioral issues including children with autism
 - Bariatric
 - Economically disadvantaged youth
- Will continue to work with EMS Providers to develop and implement the services necessary for these special populations.

SECTION III: System Resources and Operations

Tables 2-11:

- First Responder Emergency Medical Services, Inc. terminated its Sacramento County operations as of August 31, 2017. The agency did not submit data for 2017 and has no Table 8 in this update.

Table 2:

- Section 3a includes information previously requested from EMSA in the EMS Plan approval letter.

SECTION VI: Annex

Appendix 9:

- September 18, 2017 – Approval letter/EMS Plan
- September 20, 2017 – Trauma System Status Report
- September 29, 2017 – QIP Plan

TRAUMA SYSTEM STATUS REPORT

The narrative includes improvement information provided to EMSA regarding the Sacramento County Trauma System. Key changes included:

Trauma System Goals and Objectives:

- Trauma Review Committee (TRC) provides unique educational opportunities to region wide physicians and administrators.
- The EMS Agency works closely with the trauma centers to ensure accurate data is submitted to the CA Trauma Registry and presented in the quarterly TRC meetings.
- Data includes Trauma Incidents comparison from 2016 to 2017 as requested by the TRC.

System Performance Improvement:

- The EMS Agency continues to focus on accurate trauma data submission since the conversion to the eICD10 codes in early 2017.
- Continue to work with trauma surgeons and managers to identify relevant indicators to improve the trauma system.
- Encouraged the Coroner's Office to regularly attend the TRC and to provide responses to the trauma centers regarding specifically identified cases.
- Identified electroencephalography (EEG) issue at Kaiser Medical Center – South Sacramento. Provided letter of support from TRC for Kaiser's Trauma Team to address the issue with their executive management.

QUALITY IMPROVEMENT PROGRAM ANNUAL UPDATE

2017 Sacramento County Quality Improvement Program (QIP) Annual Update key changes include:

- New policies and program for law enforcement agencies to administer Naloxone. Seven (7) local law enforcement agencies were approved as Public Safety First Aid Optional Scope of Practice.
- Implemented End of Life Option Act guidelines within the Do Not Resuscitate protocol.
- Developed and implemented a program to track ambulance patient off-load times (APOT). First quarter data established a baseline to improve data submission. By December 2017, the quality of APOT data improved and hospitals began to implement changes to decrease their APOT.

Active Projects include the following:

- Created a Data Workgroup to ensure consistent and accurate data submission by hospitals and pre-hospital providers.
- Implemented the “Documentation Initiative” to meet EMSA Core Measures data requirements. This includes:
 - Data list for Primary Impressions, Receiving Facilities, Procedures and Medications
 - Guidelines for documentation of mandatory and critical data elements
- Monitoring Law Enforcement Administration of Naloxone Program for the following:
 - Properly trained officers in handling and administration
 - Data collection
 - Feedback provision

Please do not hesitate to call me at (916) 875-9753 if you have questions.

Sincerely,



DAVID M. MAGNINO,
EMS Administrator

Attachments:

Trauma System Annual Update
Quality Improvement Program Annual Update
EMS Plan Annual Update

Cc:

Sandy Damiano, PhD, Deputy Director
DHS, Primary Health

SECTION II

Assessment of System

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	X		

A. 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		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		N/A			

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	X	
First Responders (non-transporting):					
2.05	First Responder Training		X	X	
2.06	Response		X		
2.07	Medical Control		X		
Transporting Personnel:					
2.08	EMT-I Training		X	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	X		
3.02	Radios		X	X		
3.03	Interfacility Transfer*		X			
3.04	Dispatch Center		X			
3.05	Hospitals		X	X		
3.06	MCI/Disasters		X			
Public Access:						
3.07	9-1-1 Planning/Coordination		X	X		
3.08	9-1-1 Public Education		X			
Resource Management:						
3.09	Dispatch Triage		X	X		
3.10	Integrated Dispatch		X	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*		N/A			
4.02	Monitoring		X			
4.03	Classifying Medical Requests		X			
4.04	Prescheduled Responses		X			
4.05	Response Time*		X	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	X		
4.12	Disaster Response		X			
4.13	Intercounty Response*		X	X		
4.14	Incident Command System		X			
4.15	MCI Plans		X			
Enhanced Level: Advanced Life Support:						
4.16	ALS Staffing		X	X		
4.17	ALS Equipment		X			
Enhanced Level: Ambulance Regulation:						
4.18	Compliance		X			
Enhanced Level: Exclusive Operating Permits:						
4.19	Transportation Plan		N/A			
4.20	"Grandfathering"		N/A			
4.21	Compliance		N/A			
4.22	Evaluation		N/A			

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	X	
5.02	Triage & Transfer Protocols*		X		
5.03	Transfer Guidelines*		X		
5.04	Specialty Care Facilities*		X		
5.05	Mass Casualty Management		X	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		X		
5.11	Emergency Departments		X		
5.12	Public Input		X		
Enhanced Level: Other Specialty Care Systems:					
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
Universal Level:					
6.01	QA/QI Program	X	X		
6.02	Prehospital Records	X			
6.03	Prehospital Care Audits	X	X		
6.04	Medical Dispatch	X			
6.05	Data Management System*	X	X		
6.06	System Design Evaluation	X			
6.07	Provider Participation	X			
6.08	Reporting	X			
Enhanced Level: Advanced Life Support:					
6.09	ALS Audit	X			
Enhanced Level: Trauma Care System:					
6.10	Trauma System Evaluation	X			
6.11	Trauma Center Data	X			

G. PUBLIC INFORMATION AND EDUCATION

	Does not currently meet standard	Meets minimum standard	Meets recommended guidelines	Short-range plan	Long-range plan
Universal Level:					
7.01	Public Information Materials	X			
7.02	Injury Control	X			
7.03	Disaster Preparedness	X			
7.04	First Aid & CPR Training	X	X		