

# DACUM Research Chart for Emergency Medical Technician

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Duties		← Tasks				
<b>A</b>	<b>Maintain EMS Equipment and Supplies</b>	A-1 Verify ambulance state-mandated equipment requirements		A-2 Perform EMS equipment function tests	A-3 Review EMS equipment	A-4 Replace missing or defective EMS equipment
<b>B</b>	<b>Respond to Emergencies</b>	B-1 Identify service area/jurisdiction	B-2 Verify dispatch information	B-3 Establish response priority (e.g., lights and sirens or not)		B-4 Determine the most efficient route to the scene
<b>C</b>	<b>Manage Scene Operations</b>	C-1 Establish scene safety*	C-2 Interface with dispatch center on scene status	C-3 Interface with other agencies on scene (e.g., police, fire, Public Works)		C-4 Establish incident command
<b>D</b>	<b>Manage Medical Emergencies</b>	D-1 Establish ABCs (Airway, Breathing, Circulation)		D-2 Initiate ABC treatment (e.g., foreign body obstruction, CPR, Medical Administration)		D-3 Determine patient priority (e.g., stable or
		D-9 Initiate patient treatment (e.g., oxygen, IV, cardiac monitoring, drug therapy, OB)		D-10 Obtain patient's medications/allergy list	D-11 Obtain patient's past medical history	D-12 Perform continuous patient assessment
<b>E</b>	<b>Manage Trauma Emergencies</b>	E-1 Establish ABCs, C-Spine	E-2 Initiate ABC treatment for trauma (e.g., advanced airway, chest decompression, severe bleeding)		E-3 Contact medical control**	E-4 Determine trauma patient priority (load and go)
		E-10 Perform continuous trauma patient assessment	E-11 Determine appropriate facility (minor	E-12 Obtain trauma patient medications/allergy list	E-13 Obtain past medical history of trauma patient	
<b>F</b>	<b>Maintain Personal And Professional Well-Being</b>	F-1 Obtain adequate (sufficient) rest	F-2 Maintain a nutritional diet	F-3 Participate in fitness program	F-4 Participate in self-interest education	F-5 Maintain a healthy family environment
<b>G</b>	<b>Maintain Education and Licensure</b>	G-1 Complete EMS re-licensure requirements		G-2 Maintain EMS agency proficiency requirements	G-3 Maintain medical control requirements	
<b>H</b>	<b>Provide Community Education</b>	H-1 Participate in community functions (e.g., parades, picnics, sports, block parties)		H-2 Provide training to other professionals (e.g., lifeguards, local businesses)		H-3 Participate in fundraisers (e.g., MDA, Firefighter's Fishing for Kids)

\* View hazards to the crew, patient & bystanders

\*\* Physician or nurse designate at the hospital

\*\*\* Statistical information for both the Emergency Medical Service Agency and Medical Control Authority

s	A-5 Perform general emergency vehicle maintenance		A-6 Decontaminate EMS equipment	A-7 Re-order EMS supplies			
e	B-5 Notify dispatch center of response status	B-6 Determine potential scene resources (e.g., police, fire, more ambulances, HAZMAT team)					
	C-5 Establish triage	C-6 Establish need for additional equipment or personnel		C-7 Begin patient assessment	C-8 Delegate on-scene duties (e.g., staging, patient care)	C-9 Assemble on-scene equipment	
y	D-4 Contact medical control**	D-5 Define the medical emergency (e.g., OB, cardiac, neurological, endocrine)		D-6 Obtain advanced directive status (e.g., DNR – Do Not Resuscitate)		D-7 Re-evaluate patient priority	D-8 Prioritize patient S/S (signs and symptoms)
i	D-13 Determine appropriate facility (e.g., burn center, OB/GYN, trauma center)		D-14 Coordinate transfer of patient care	D-15 Facilitate incident and patient data collection and dissemination***			
e	E-5 Determine mechanism of injury	E-6 Define traumatic emergency (e.g., isolated trauma or total body, blunt trauma versus penetration trauma)		E-7 Re-evaluate trauma patient priority	E-8 Prioritize trauma patient S/S (signs and symptoms)	E-9 Initiate trauma treatment (e.g., IVO2 monitor, splinting, patient mobilization, back boarding)	
	E-14 Coordinate transfer of trauma patient care	E-15 Facilitate incident and trauma patient data collection and dissemination***					
a	F-6 Institute a CISD program	F-7 Participate in social clubs and groups	F-8 Participate in non-EMS activities				
	H-4 Provide educational advertisements (e.g., newspapers, radio spots, career days)		H-5 Provide EMS facility tours	H-6 Provide EMS demonstrations in schools	H-7 Provide EMS ride-along experiences	H-8 Perform health screening services (e.g., blood pressure check, cholesterol screening, EKG)	

## General Knowledge and Skills

Interpersonal skills  
 Multi-tasking skills  
 Communication skills: oral and written  
 Ability to establish patient rapport  
 Ability to think outside the box  
 Time management skills  
 Listening skills  
 Computer skills  
 Cardiac monitoring  
 Coordination  
 Vehicle extrication  
 Knowledge of equipment on DACUM list  
 General knowledge of: anatomy, cardiology, pharmacology, physiology

Troubleshooting skills  
 Managerial skills  
 Organizational skills  
 Team skills  
 Ingenuity  
 Multi-lingual  
 Pulse oximetry  
 End tidal capnography  
 12 lead EKG  
 ACLS  
 PALS  
 BTLS  
 CCEMTP  
 Advanced airway

## Worker Behaviors

Compassion  
 Sense of humor  
 Humility  
 Problem-solver  
 Quick thinker  
 Adaptable  
 Patience  
 Ability to improvise  
 Ability to manage stress  
 Creative  
 Articulate  
 Willingness to learn  
 Ability to work under pressure  
 Responsible  
 Mechanically inclined

## Tools, Equipment, Supplies and Materials

Ambulance	Oxygen
Splinting supplies	Trauma/burn supplies
Drug box	Waste material collection supplies
Cardiac monitor (AED)	Appropriate clothing
Airway equipment	Flashlight
Patient assessment equipment	Restraints
Communication devices	Extrication tools
PPE	Stuffed animals
OB kit	Stickers
Navigation aids	Safety equipment
Documentation supplies	Cot
Reference material	Sheets
IV supplies	

## Future Trends and Concerns

Computerized reporting system  
 Professional status in medical community

- Wages
- Educational requirements

Changing technology  
 Increased scope of practice (RSI)  
 Ambulance to hospital video feed  
 GPS  
 Staffing levels  
 Government reimbursement  
 Patient insurance  
 Increased degree educational hours  
 Increase hands-on job experience prior to graduation, such as apprenticeship program format based on skills for each licensure level

## Acronyms

AAO	Awake, Alert & Oriented	EMT	Basic	PALS	Pediatric Advanced Life Support
ABC's	Airway Breathing Circulation	EMT-P	EMT Paramedic	PPE	Personal Protective Equipment
ACLS	Advanced Cardiac Life Support	EMT-S	EMT Specialist	PR	Public Relations
AED	Automated External Defibrillator	ET	Endotracheal	Pt	Patient
ATF	Arrived to Find	ETOH	Alcohol	QA	Quality Assurance
BC	Battalion Chief	GCS	Glaskow Coma Scale	R/O	Rule Out
BTLS	Basic Trauma Life Support	GPS	Global Positioning System	RSI	Rapid Scope Intubation
CPR	Cardio Pulmonary Resuscitation	HazMat	Hazardous Material	Rx	Treatment
C-Spine	Cervical Spine	IPS	Initial Patient Survey	Sx	Signs & Symptoms
CE	Continuing Education	IV	Intravenous	SOG	Standard Operating Guidelines
CCEMTP	Critical Care EMT Paramedic	L/x	History	SOP	Standard Operating Procedures
CISC	Critical Incident Stress	LOAD & GO - Get Going to ER Now!		STAT	Right Away
	Debriefing	LOC	Level of Consciousness	TOTERS - Turned Over to Emergency	Room Staff
CO	Complains Of	MFR	Medical First Responder	VS	Vital Signs
DECON	Decontaminate	MDA	Muscular Dystrophy	YO	Year Old
DNR	Do Not Resuscitate		Association		
DOA	Dead on Arrival	PEARLA	Pupils Equal and Reactive to		
EKG	Electro Cardio Gram		Light and Accommodating		
EMS	Emergency Medical Services	OB	Obstetrics		