



## Loudoun County Fire and Rescue System Guideline

<b>Subject: Emergency Medical Dispatch Guidelines</b>	<b>Effective: 31 January 2006 Revised: 3 February 2009</b>
<b>Chapter: Operations</b>	<b>FRG: 4.1.1.1</b>
<b>Approved: _____, Fire and Rescue Commission</b> <b>_____ , Dept. of Fire and Rescue Services</b> <b>_____ , Operational Medical Director</b>	

**Purpose:** To establish guidelines for the expedient dispatching of EMS resources.

**Effective:** This guideline is effective on 1 March 2006.

### Definitions:

*Dispatch Determinants (Ω thru E):* Dispatch Determinant Ω thru D represent a graduated increase in the level of a dispatch from basic life support (BLS) to advanced life support (ALS). The different dispatch determinants are known as OMEGA; ALPHA; BRAVO; CHARLIE; DELTA; and ECHO levels. Dispatch determinant 'ECHO' is a special resource code designed to give the call taker and/or dispatcher a way to get a response moving quickly from Case Entry in extreme conditions of breathing status.

As the call taker and/or dispatcher proceeds through the protocol, they will end in a dispatch determinant based on the answers to the Key Questions contained in the MPDS Dispatch Protocols (via Pro QA or card sets), Ω through E. This dispatch determinant will identify the resources necessary to be dispatched. (*Pro QA is a computerized version of the priority dispatch protocols and the preferred methodology for use of the MPDS system by LCFRECC*)

The call taker and/or dispatcher shall ask all Key Questions completely and in sequence so that the Delta-level, or maximal problems are determined before those of lesser degrees of severity to effect a timely dispatch of units. Echo-level responses are determined while in Case Entry and are dispatched at that point in the protocol before moving directly into Pre-Arrival Instruction (PAI) sequences of the protocol.

Please note that not all EMD protocols have all determinant levels (Ω through E) identified. Some protocols may only have determinant levels 'ALPHA,' 'CHARLIE,' and 'DELTA' without a 'BRAVO' level.

*Dispatched resources:* Three dispatched resources are described in this guideline. The resources are as follows:

- BLS – A BLS resource is an ambulance as defined in Fire and Rescue Guideline Operations 1.2.2.3, Designation of Emergency Medical Apparatus.
- Enhanced – An enhanced resource is a BLS ambulance as described above and one Emergency Medical Technician – Enhanced (EMT-E) who has been released by the Operational Medical Director (OMD).
- EMT-I/Paramedic – An EMT-I/Paramedic resource is a BLS ambulance as described above and one Emergency Medical Technician – Intermediate or Paramedic (EMT-I/P) who has been released by the OMD.

**Guideline:**

1. The “National Academy EMD Protocol Medical Priority Dispatch System, version 12.0,” by the Priority Dispatch Corporation is the reference system for this guideline.

2. The following dispatch guidelines shall be used:

<b>EMD Protocol</b>	<b>EMD Nature Code</b>	<b>V 12 Dispatch Code</b>
<b>1 - Abdominal Pain</b>	1-D-1	ALS
	1-C-1	ALS
	1-C-2	ALS
	1-C-3	STT
	1-C-4	STT
	1-C-5	ALS
	1-C-6	ALS
	1-A-1	BLS
<b>2 - Allergies(reactions)/ Envenomations (stings, bites)</b>	2-E-1	CPR
	2-D-1	ALS
	2-D-2	ALS
	2-D-4	BLS
	2-D-5	BLS
	2-C-1	ALS
	2-C-2	STT
	2-B-1	STT
	2-A-2	BLS
	2-A-1	BLS
<b>3 - Animal Bites/Attacks</b>	3-D-1	UNK
	3-D-2	ALS
	3-D-3	ALS
	3-D-4	STT
	3-D-5	BLS
	3-D-6	BLS
	3-D-7	STT
	3-B-1	STT
	3-B-2	STT
	3-B-3	BLS
	3-A-1	BLS
	3-A-2	BLS
	3-A-3	BLS
<b>4 - Assault/Sexual Assault</b>	4-D-1	UNK
	4-D-2	ALS
	4-D-3	ALS
	4-D-4	CUT
	4-B-1	STT
	4-B-2	STT
	4-B-3	BLS
	4-A-1	BLS

<b>4 - Assault/Sexual Assault</b>	<b>4-A-2</b>	BLS
<b>5 - Back Pain (non-traumatic)</b>	<b>5-D-1</b>	ALS
	<b>5-C-1</b>	ALS
	<b>5-C-2</b>	ALS
	<b>5-C-3</b>	STT
	<b>5-A-1</b>	BLS
	<b>5-A-2</b>	BLS
<b>6 - Breathing Problems</b>	<b>6-E-1</b>	CPR
	<b>6-D-1</b>	ALS
	<b>6-D-2</b>	ALS
	<b>6-D-3</b>	ALS
	<b>6-D-4</b>	ALS
	<b>6-C-1</b>	ALS
<b>7 - Burns/Explosion</b>	<b>7-D-1</b>	CUT
	<b>7-D-2</b>	UNK
	<b>7-D-3</b>	ALS
	<b>7-D-4</b>	ALS
	<b>7-C-1</b>	SFT
	<b>7-C-2</b>	UNK
	<b>7-C-3</b>	UNK
	<b>7-C-4</b>	UNK
	<b>7-B-1</b>	STT
	<b>7-B-2</b>	BLS
	<b>7-A-1</b>	BLS
	<b>7-A-2</b>	ALM
	<b>7-A-3</b>	BLS
<b>8 - CO/Inhalation/HazMat</b>	<b>8-D-1</b>	HZP
	<b>8-D-2</b>	HZP
	<b>8-D-3</b>	HZP
	<b>8-D-4</b>	HZM
	<b>8-D-5</b>	HAZ
	<b>8-C-1</b>	HZP
	<b>8-B-1</b>	HAZ
<b>9 - Cardiac or Respiratory Arrest</b>	<b>9-E-1</b>	CPR
	<b>9-E-2</b>	CPR
	<b>9-E-3</b>	CPR
	<b>9-E-4</b>	CPR
	<b>9-E-5</b>	CPR
	<b>9-E-6</b>	CPR
	<b>9-D-1</b>	CPR
	<b>9-D-2</b>	CPR
	<b>9-B-1</b>	BLS
	<b>9-B-1a</b>	BLS
	<b>9-B-1b</b>	BLS

<b>9 - Cardiac or Respiratory Arrest</b>	<b>9-B-1c</b>	BLS
	<b>9-B-1d</b>	BLS
	<b>9-B-1e</b>	BLS
	<b>9-B-1f</b>	BLS
	<b>9-B-1g</b>	BLS
	<b>9-B-1h</b>	BLS
	<b>9-B-1i</b>	BLS
	<b>9-Omega</b>	BLS
	<b>9-Omega-x</b>	BLS
	<b>9-Omega-y</b>	BLS
	<b>9-Omega-z</b>	<i>BLS</i>
<b>10 - Chest Pain</b>	<b>10-D-1</b>	ALS
	<b>10-D-2</b>	ALS
	<b>10-D-3</b>	ALS
	<b>10-D-4</b>	ALS
	<b>10-C-1</b>	ALS
	<b>10-C-2</b>	ALS
	<b>10-C-3</b>	ALS
	<b>10-C-4</b>	ALS
	<b>10-A-1</b>	ALS
<b>11 - Choking</b>	<b>11-E-1</b>	ALS
	<b>11-D-1</b>	ALS
	<b>11-D-2</b>	ALS
	<b>11-A-1</b>	BLS
<b>12 - Convulsions/Seizures</b>	<b>12-D-1</b>	ALS
	<b>12-D-2</b>	ALS
	<b>12-D-3</b>	ALS
	<b>12-D-4</b>	ALS
	<b>12-C-1</b>	ALS
	<b>12-C-2</b>	ALS
	<b>12-C-3</b>	STT
	<b>12-B-1</b>	STT
	<b>12-A-1</b>	STT
	<b>12-A-2</b>	STT
<b>12-A-3</b>	STT	
<b>13 - Diabetic Problems</b>	<b>13-D-1</b>	ALS
	<b>13-C-1</b>	STT
	<b>13-C-2</b>	STT
	<b>13-C-3</b>	STT
	<b>13-A-1</b>	BLS
<b>14 - Drowning/Diving/Scuba</b>	<b>14-D-1</b>	UNK
	<b>14-D-2</b>	UNK
	<b>14-D-3</b>	RLO
	<b>14-D-4</b>	RLO

<b>14 - Drowning/Diving/Scuba</b>	<b>14-C-1</b>	PI
	<b>14-B-1</b>	RLO
	<b>14-B-2</b>	RLO
	<b>14-A-1</b>	BLS
<b>15 - Electrocutation/Lightning</b>	<b>15-E-1</b>	CPR
	<b>15-D-1</b>	UNK
	<b>15-D-2</b>	UNK
	<b>15-D-3</b>	UNK
	<b>15-D-4</b>	UNK
	<b>15-D-5</b>	UNK
	<b>15-D-6</b>	UNK
	<b>15-D-7</b>	UNK
	<b>15-D-8</b>	UNK
	<b>15-C-1</b>	UNK
<b>16 - Eye Problems/Injuries</b>	<b>16-D-1</b>	ALS
	<b>16-B-1</b>	STT
	<b>16-A-1</b>	BLS
	<b>16-A-2</b>	BLS
	<b>16-A-3</b>	BLS
<b>17 - Falls</b>	<b>17-D-1</b>	UNK
	<b>17-D-2</b>	UNK
	<b>17-D-3</b>	ALS
	<b>17-D-4</b>	ALS
	<b>17-D-5</b>	STT
	<b>17-B-1</b>	BLS
	<b>17-B-2</b>	STT
	<b>17-B-3</b>	BLS
	<b>17-A-1</b>	BLS
	<b>17-A-2</b>	BLS
<b>17-A-3</b>	BLS	
<b>18 - Headache</b>	<b>18-C-1</b>	ALS
	<b>18-C-2</b>	ALS
	<b>18-C-3</b>	STT
<b>18 - Headache</b>	<b>18-C-4</b>	STT
	<b>18-C-5</b>	STT
	<b>18-C-6</b>	STT
	<b>18-C-7</b>	STT
	<b>18-B-1</b>	BLS
	<b>18-A-1</b>	BLS
<b>19 - Heart Problems/AICD</b>	<b>19-D-1</b>	ALS
	<b>19-D-2</b>	ALS
	<b>19-D-3</b>	ALS
	<b>19-D-4</b>	ALS
	<b>19-D-5</b>	ALS

<b>19 - Heart Problems/AICD</b>	<b>19-C-1</b>	ALS
	<b>19-C-2</b>	ALS
	<b>19-C-3</b>	ALS
	<b>19-C-4</b>	ALS
	<b>19-C-5</b>	ALS
	<b>19-C-6</b>	ALS
	<b>19-C-7</b>	ALS
	<b>19-A-1</b>	ALS
	<b>19-A-2</b>	ALS
<b>20 - Heat/Cold Exposure</b>	<b>20-D-1</b>	ALS
	<b>20-D-2</b>	CPR
	<b>20-C-1</b>	ALS
	<b>20-B-1</b>	STT
	<b>20-B-2</b>	BLS
	<b>20-A-1</b>	BLS
<b>21 - Hemorrhage/Lacerations</b>	<b>21-D-1</b>	UNK
	<b>21-D-2</b>	ALS
	<b>21-D-3</b>	STT
	<b>21-D-4</b>	STT
	<b>21-C-1</b>	STT
	<b>21-C-2</b>	STT
	<b>21-B-1</b>	BLS
	<b>21-B-2</b>	STT
	<b>21-B-3</b>	BLS
	<b>21-B-4</b>	BLS
	<b>21-A-1</b>	BLS
	<b>21-A-2</b>	BLS
<b>22 - Inaccessible Incident/ Other Entrapments (non-vehicle)</b>	<b>22-D-1</b>	PIT
	<b>22-D-2</b>	DIG
	<b>22-D-3</b>	COL
	<b>22-D-4</b>	DIG
	<b>22-D-5</b>	PIT
	<b>22-D-6</b>	DIG
	<b>22-B-1</b>	BLS
	<b>22-B-2</b>	RLO
	<b>22-B-3</b>	BLS
	<b>22-A-1</b>	BLS
<b>23 - Overdose/Poisoning</b>	<b>23-D-1</b>	ALS
	<b>23-D-2</b>	ALS
	<b>23-C-1</b>	ALS
	<b>23-C-2</b>	ALS
	<b>23-C-3</b>	ALS
	<b>23-C-4</b>	ALS
	<b>23-C-5</b>	STT

<b>23 - Overdose/Poisoning</b>	<b>23-C-6</b>	STT
	<b>23-C-7</b>	BLS
	<b>23-C-8</b>	BLS
	<b>23-B-1</b>	BLS
	<b><i>23-Omega</i></b>	BLS
<b>24 - Pregnancy/Childbirth/ Miscarriage</b>	<b>24-D-1</b>	OB
	<b>24-D-2</b>	OB
	<b>24-D-3</b>	OB
	<b>24-D-4</b>	STT
	<b>24-D-5</b>	STT
	<b>24-D-6</b>	OB2
	<b>24-D-7</b>	OB2
	<b>24-C-1</b>	STT
	<b>24-C-2</b>	STT
	<b>24-C-3</b>	ALS
	<b>24-B-1</b>	BLS
	<b>24-B-2</b>	ALS
	<b>24-A-1</b>	BLS
	<b><i>24- Omega</i></b>	BLS
<b>25 - Psychiatric/Abnormal Behavior/Suicide Attempt</b>	<b>25-D-1</b>	ALS
	<b>25-D-2</b>	STT
	<b>25-B-1</b>	STT
	<b>25-B-2</b>	BLS
	<b>25-B-3</b>	PD ONLY
	<b>25-B-4</b>	BLS
	<b>25-B-5</b>	STT
	<b>25-B-6</b>	BLS
	<b>25-A-1</b>	PD ONLY
	<b>25-A-2</b>	PD ONLY
<b>26 - Sick Person (specific diagnosis)</b>	<b>26-D-1</b>	ALS
	<b>26-C-1</b>	ALS
	<b>26-C-2</b>	ALS
	<b>26-C-3</b>	STT
	<b>26-B-1</b>	BLS
	<b>26-A-1</b>	BLS
	<b><i>26-A(2-11)</i></b>	BLS
	<b>26-A-2</b>	BLS
	<b>26-A-3</b>	BLS
	<b>26-A-4</b>	BLS
	<b>26-A-5</b>	BLS
	<b>26-A-6</b>	BLS
	<b>26-A-7</b>	BLS
<b>26-A-8</b>	BLS	
<b>26-A-9</b>	BLS	



<b>26 - Sick Person (specific diagnosis)</b>	<b>26-A-10</b>	BLS
	<b>26-A-11</b>	BLS
	<b>26-Omega-1</b>	BLS
	<b>26-O(2-11)</b>	BLS
	<b>26-O-2</b>	BLS
	<b>26-O-3</b>	BLS
	<b>26-O-4</b>	BLS
	<b>26-O-5</b>	BLS
	<b>26-O-6</b>	BLS
	<b>26-O-7</b>	BLS
	<b>26-O-8</b>	BLS
	<b>26-O-9</b>	BLS
	<b>26-O-10</b>	BLS
	<b>26-O-11</b>	BLS
	<b>26-O-12</b>	BLS
	<b>26-O-13</b>	BLS
	<b>26-O-14</b>	BLS
	<b>26-O-15</b>	BLS
	<b>26-O-16</b>	BLS
	<b>26-O-17</b>	BLS
<b>26-O-18</b>	BLS	
<b>26-O-19</b>	BLS	
<b>26-O-20</b>	BLS	
<b>26 - Sick Person (specific diagnosis)</b>	<b>26-O-21</b>	BLS
	<b>26-O-22</b>	BLS
	<b>26-O-23</b>	BLS
	<b>26-O-24</b>	BLS
	<b>26-O-25</b>	BLS
	<b>26-O-26</b>	BLS
	<b>26-O-27</b>	BLS
	<b>26-O-28</b>	BLS
<b>27 - Stab/Gunshot/ Penetrating Trauma</b>	<b>27-D-1</b>	CUT
	<b>27-D-2</b>	CUT
	<b>27-D-3</b>	CUT
	<b>27-D-4</b>	CUT
	<b>27-D-5</b>	CPR
	<b>27-B-1</b>	STA
	<b>27-B-2</b>	BLS
	<b>27-B-3</b>	STA
	<b>27-B-4</b>	PI
	<b>27-B-5</b>	BLS
	<b>27-A-1</b>	BLS

<b>28 - Stroke/CVA</b>	<b>28-C-1</b>	ALS
	<b>28-C-2</b>	ALS
	<b>28-C-3</b>	STT
	<b>28-C-4</b>	STT
	<b>28-C-5</b>	STT
	<b>28-C-6</b>	STT
	<b>28-C-7</b>	BLS
	<b>28-C-8</b>	BLS
	<b>28-B-1</b>	BLS
	<b>28-A-1</b>	BLS
<b>29 - Traffic/Transportation Accidents</b>	<b>29-D-1</b>	BUS
	<b>29-D-1A</b>	AIR
	<b>29-D-1B</b>	BUS
	<b>29-D-1C</b>	no conditions in LC
	<b>29-D-1D</b>	no conditions in LC
	<b>29-D-1E</b>	RIV
	<b>29-D-1F</b>	BUS
	<b>29-D-2</b>	PIT
	<b>29-D-2K</b>	UNK
	<b>29-D-2L</b>	UNK
	<b>29-D-2M</b>	UNK
	<b>29-D-2N</b>	UNK
<b>29 - Traffic/Transportation Accidents</b>	<b>29-D-2O</b>	RIV
	<b>29-D-2P</b>	PIT
	<b>29-D-2Q</b>	PIT
	<b>29-D-2R</b>	UNK
	<b>29-D-2S</b>	RIV (+RS)
	<b>29-D-3</b>	HZT
	<b>29-D-4</b>	PIT
	<b>29-D-5</b>	UNK
	<b>29-B-1</b>	RLO
	<b>29-B-2</b>	PI
	<b>29-B-3</b>	RLO
	<b>29-B-4</b>	RLO
	<b>29-A-1</b>	RLO
<b>29-Omega</b>	PD ONLY	
<b>30 - Traumatic Injuries (specific)</b>	<b>30-D-1</b>	ALS
	<b>30-D-2</b>	ALS
	<b>30-D-3</b>	ALS
	<b>30-B-1</b>	BLS
	<b>30-B-2</b>	STT
	<b>30-A-1</b>	BLS
	<b>30-A-2</b>	BLS

<b>31 - Unconscious/Fainting (near)</b>	<b>31-E-1</b>	CPR
	<b>31-D-1</b>	ALS
	<b>31-D-2</b>	ALS
	<b>31-D-3</b>	ALS
	<b>31-D-4</b>	ALS
	<b>31-C-1</b>	STT
	<b>31-C-2</b>	ALS
	<b>31-C-3</b>	STT
	<b>31-A-1</b>	STT
	<b>31-A-2</b>	ALS
	<b>31-A-3</b>	BLS
<b>32 - Unknown Problem (man down)</b>	<b>32-D-1</b>	ALS
	<b>32-B-1</b>	BLS
	<b>32-B-2</b>	BLS
	<b>32-B-3</b>	BLS
	<b>32-B-4</b>	BLS

<b>Dispatch Code</b>	<b>Response Plan</b>
<b>AIR</b>	(5) Engines + (2) Tankers + (2) Trucks + (1) Rescue or 3rd Truck + (3) Ambulances + (3) CT/P + (1) Squad +
	(1) Heavy Rescue + H19 + Dulles Foam Unit + BC + SO + EMBC + HZDO
<b>ALS</b>	(1) Ambulance + (1) CT/P
<b>BLS</b>	(1) Ambulance
<b>BUS</b>	(2) Engine + (5) Ambulances + (2) CT/P + BC + EMBC (EMS Task Force)
<b>COL</b>	*Appropriate Structural Response + (1) CT/P + (1) Squad
<b>CPR</b>	(1) Engine + (1) Ambulance + (1) CT/P + (1) CT/P or ST + EMBC
<b>CUT</b>	(1) Engine + (1) Ambulance + (1) CT/P (+/- ST) + EMBC + RC (regional CT/P)
<b>DIG</b>	(1) Engine + (1) Ambulance + (1) CT/P + (1) Squad + (1) Cave-in unit + AU623 + BC + SO + EMBC
<b>HAZ</b>	(4) Engines + (2) Trucks + (1) Rescue or 3rd Truck + (1) Ambulance + (1) CT/P + HM19 + BC + SO + EMBC + HDO (**1 engine & 3 tankers)
<b>HZM</b>	(4) Engines + (2) Trucks + (1) Rescue or 3rd Truck + (3) Ambulances + (3) CT/P + (1) Squad + HM19 + BC + SO + EMBC + HDO (**1 engine & 3 tankers)
<b>HZP</b>	(4) Engines + (2) Trucks + (1) Rescue or 3rd Truck + (2) Ambulances + (2) CT/P + HM19 + BC + SO + EMBC + HDO (**1 engine & 3 tankers)

<b>Dispatch Code</b>	<b>Response Plan</b>
<b>MCI</b>	(10) Engine + (10) Ambulances + (5) CT/P + (2) BCs + EMBC + SO + MCSU + MAB + OMD (MCI Alarm)
<b>OB</b>	(1) Ambulance + (1) CT/P + (1) CT/P or ST + EMBC
<b>OB2</b>	(2) Ambulances + (1) CT/P + (1) CT/P or ST + EMBC
<b>PI</b>	(1) Engine + (1) Ambulance + (1) ST (upgrade to CT/P w/o available ST)
<b>PIT</b>	(1) Engine + (1) Ambulance + (1) CT/P + (1) Squad + BC + EMBC
<b>RIV</b>	(1) Engine + (1) Ambulance + (1) CT/P + (2) Boats + BC + SO + EMBC
<b>RLO</b>	(1) Engine + (1) Ambulance
<b>SER</b>	(1) Ambulance + EMBC
<b>SFT</b>	(4) Engines + (2) Trucks + (1) Rescue or 3rd Truck + (2) Ambulances + (1) CT/P + BC +SO + EMBC (**1 engine & 3 tankers)
<b>STA</b>	(1) Ambulance + ST + EMBC (upgrade to CT/P w/o available ST)
<b>STT</b>	(1) Ambulance + (1) ST (upgrade to CT/P w/o available ST)
<b>UNK</b>	(1) Ambulance + (1) CT/P + (1) Engine