

**JEFFERSON COUNTY FIRE DISTRICT #1  
STANDARD OPERATING GUIDELINES**

**SOG 404**

**MOTOR VEHICLE CRASH**

**I. PURPOSE**

A. The Fire District responds to motor vehicle crashes to assess for fire and/or hazardous materials and to extricate victims. District personnel may assist the ambulance service, Jefferson Co. EMS, with patient care.

**II. SCOPE**

A. These standards apply to all personnel operating at motor vehicle crashes.

**III. AUTHORITY AND RESPONSIBILITY**

A. Jefferson Co EMS personnel are primarily responsible for patient care, Fire District personnel are in charge of safety, hazmat, fire control, extrication/rescue efforts and ensuring the Incident Command System is initiated. In instances of multiple injuries Fire District EMT's will assist with patient care. It will be the responsibility of the Chief and the officers to insure that these guidelines are followed.

**IV. STANDARDS**

A. Size up/assessment of conditions

1. Arrival report/Size Up
2. Location - access information for other responding units
3. Type and number of vehicles involved
4. Crash type: minor, intermediate or major.
  - a. Minor: expected duration under 30 minutes
  - b. Intermediate: 30 minutes to two hours.
  - c. Major: more than 2 hours
5. Mechanism: High, low
6. Entrapment, entanglement or other patient access issues
7. Fire
8. Consider other incident hazards - weather, visibility
9. Determine operating frequency

B. Determine need for additional resources

1. Consider mutual aid
2. Rescue
3. Medics
4. Air medical transport
5. Fire suppression
6. Law enforcement
7. ODOT incident response

8. Tow units, heavy equipment
9. Public works for spill hazards
10. Hazardous Materials Unit
- C. Safety considerations and checklist
  1. Establish necessary traffic safety control procedures
  2. Position apparatus for crew and scene protection as per SOG 508
  3. Establish a safe work zone
  4. Consider upwind/uphill locations
- D. Wear appropriate PPE
  1. Head, eye, skin protection
  2. High visibility
- E. Establish scene control and parameters
  1. Establish inner circle perimeter - 10'
  2. Establish outer circle perimeter - 20'
  3. Consider bystander locations & safety
- F. Determine need for fire control/standby measures
  1. Fuel/Spill hazards
- G. Establish necessary scene lighting
  1. Avoid blinding approaching vehicles
- H. Determine utility hazards
  1. Electrical
  2. Natural Gas or LPG
    - a. Control ignition sources
- I. Determine vehicle hazards
  1. SRS systems (Follow 5, 10,20 rule)
  2. Use resource aids
  3. Fuel system
    - a. Gas or Diesel
    - b. Hybrid
    - c. LPG
    - d. Natural gas
  4. Electrical system
  5. Heat or ignition sources
  6. Hydraulic systems
  7. Hazardous material cargo
- J. Consider other hazards or hazardous area
- K. Evaluate vehicle stability for extended operations
- L. Vehicle entrapment / entanglement rescue operations
  1. Establish ICS (Command)
  2. Determine & control scene hazards if possible
  3. Establish traffic safety control measures
  4. Create a safe work zone
- M. Stabilize vehicle(s)
  1. Immobilize - chock vehicle(s) wheels

2. Disable - Key off/removed, transmission in park, 12 volt system disabled
3. Stabilize - reduce vehicle from movement due to operations
- N. Establish medic access ("Inside" medic)
  1. Provide for glass control
  2. Provide for patient protection
- O. Provide triage information to command
  1. Prioritize patient removal & transport:
    - a. RED - Immediate ASAP
    - b. YELLOW - Delayed
    - c. GREEN - Low priority
    - d. Black - Deceased
  2. Consider trauma system activation
- P. Establish medical treatment operations (medical)
- Q. Determine rescue extrication operational plan
  1. Determined by IC, Rescue Team Leader & Medic
  2. Determine back up operational plan
- R. Establish entrapment / disentanglements operations
  1. Confirm extrication operational plan with inside medic
  2. Consider need for fire protection
  3. Consider safety officer
  4. Consider vehicle SRS hazards
    - a. Strip & check interior trim area prior to cutting
  5. Establish tool staging area (Pit)
  6. Establish debris area (Pile)
  7. Provide for patient and medic protection
  8. Confirm with inside medic of patient disentanglement

**THE FIRE DISTRICT DOES NOT TRANSPORT PATIENTS**

- S. Response and staffing
  1. Personnel assigned to rescue duty for the shift shall respond, unless directed otherwise by the officer in charge.
  2. Personnel SHALL report directly to the station, UNLESS the emergency is in the **DIRECT** PATH OF TRAVEL to the fire station.
  3. Out of District EMS calls - All personnel shall report to the station. The rescue vehicle shall respond with a minimum of three (3) personnel. An EMS person and one (1) officer, if possible.

APPROVED:

DATE 6-7-06  
REVISED 9-12-07

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Earl Cordes  
Fire Chief