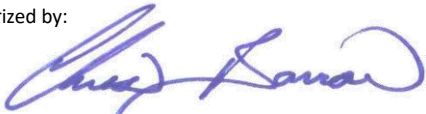


	TRAVIS COUNTY ESD #5 MANCHACA FIRE RESCUE Department Best Practices	A109
	Authorized by:  Fire Chief Chris Barron	Effective: 1/22/2018 Rescinds:
Quint Operations		Reference: AFD A109.1 Application: Shift Personnel

I. Purpose

To provide guidelines for the use of Quint apparatus.

II. Background

The larger fire departments traditionally use apparatus kind for division of labor on the fireground. Engine Companies deploy hoses and flow water, while Ladder Companies perform the “truck work” of forcible entry, ventilation, search, overhaul, and salvage. A Quint is a fire apparatus that has the capability of performing as an Engine or a Ladder. Therefore members assigned to a Quint must be prepared to perform either Engine or Ladder tactical assignments *and crews that run with quints must be prepared for the dynamic environments that such an apparatus can introduce to an incident.*

This document is a direct adaptation of the Austin Fire Department SOG on Quint Operations. It has been adopted by Manchaca Fire Rescue as an Auto Aid partner to maximize standardization between partner agencies. Variations and additions to the language from the parent AFD document will be signified by text in italics. Generic changes that do not affect content such as formatting and changing “AFD” to “MFR” will not be noted.

III. Policy

- A. **AFD Staffing.** The required staffing for an AFD Quint will be a Captain (or an Acting Captain), one Fire Specialist (or an Acting Fire Specialist), and two Firefighters.
- B. **Use on single or double unit response.** A Quint may be dispatched and perform as either an aerial or pumping apparatus when part of a single or two-unit response.
- C. **Use on multiple-company response.** A Quint will most often be dispatched as an aerial apparatus and will normally assume an aerial apparatus tactical assignment when a part of a multiple-unit response (refer to MFR Best Practices A101 Fireground Operations).

- D. **High Rise, Mid-Rise and Parking Garage fires.** The Quint will normally assume an aerial apparatus functional assignment according to MFR Best Practices A201 High Rise Fires, MFR Best Practices A202 Mid-Rise Fires and MFR Best Practices A108 Parking Garage Fires.
- E. **Two-in, Two-out.** Unless there is an immediate need for rescue, no interior operations will begin until there are two members available to function as the outside team.

IV. Best Practices

The following best practices should be followed at all firefighting and emergency scene operations, except where deviation can be justified by Fire Officers. Any significant deviation should be communicated to responding/on-scene units as soon as possible.

- A. **Terminology.** When referring to Quint operations, the following terms apply:
 - 1. **Aerial Apparatus.** A vehicle equipped with an aerial ladder or aerial platform. (Ladder or Quint)
 - 2. **Apparatus Capability.** Having the mechanical ability, equipment, and personnel required for a tactical function.
 - 3. **Kind.** Describes the apparatus such as Engine, Ladder, Quint, etc.
 - 4. **Pumping Apparatus.** A vehicle equipped with a fire pump and hose for fire attack and water supply. (Engine or Quint)
 - 5. **Type.** Describes the performance capability for that kind of apparatus such as pumping apparatus, aerial apparatus, etc.
- B. **Reference by type.** This guideline refers to apparatus by capability (type) not by kind unless specifically meaning that kind of apparatus. A pumping apparatus may be an Engine or a Quint. An aerial apparatus may be a Ladder or a Quint. The Quint apparatus may be used as an aerial apparatus, a pumping apparatus, or both.
- C. **Quint Incident Response.**
 - 1. **Response plan selection.** A Quint shall respond to Alarm Types as defined by MFR Policy G101 Alarm Types, Resources and Response Plans. Quints may be selected by Fire Dispatch as an apparatus with aerial ladder capability or pumping capability depending on the alarm type.
- D. **Single or Double Unit Response.**

1. **Variable use.** Fire Dispatch will assign a Quint to a single or double unit response based on the apparatus capabilities for the alarm type. Upon arrival, the Quint Officer will determine the tactical function of the Quint, which may be as a pumping apparatus or an aerial apparatus.

E. Multiple-Company Response.

1. **Typical use.** On multiple-company response, a Quint will most often be dispatched as an aerial apparatus and will normally assume an aerial apparatus tactical assignment. In the rare circumstance when the Quint Officer chooses to operate as a pumping apparatus, the Officer should ensure another Company performs the aerial apparatus function.

F. Structure Fires.

1. **Typical use.** Quints will normally be dispatched to a structure fire as an aerial apparatus and should assume an aerial apparatus tactical function and position as an aerial apparatus. If a Quint arrives after all aerial apparatus tactical assignments have been assumed, the Quint may assume a pumping apparatus tactical assignment
2. **Quint as first arriving.** When a Quint arrives first on scene at a multiple-company response, the Quint Company Officer will declare the tactical assignment they will perform. When operating in the offensive mode at a structure fire, the Officer will normally select Inside Truck Work, the traditional function of a Ladder. The Officer may have the Quint crew perform actions, such as deploying a hoseline, in preparation for the arrival of the first arriving Engine, which will perform the fire attack function.
3. **High-Rise and mid-rise assignment.** For high-rise and mid-rise fires, a Quint will respond as an aerial apparatus and shall assume a Ladder Company tactical assignment based on the order of arrival of aerial apparatus (refer to MFR Best Practices A201 High Rise Fires and MFR Best Practices A202 Mid-Rise Fires).
4. **Parking garage fires.** For parking garage fires, a Quint will normally respond as an aerial apparatus and assume an aerial apparatus tactical assignment unless the Quint Officer chooses to perform fire attack. If the Quint performs fire attack, the Quint Officer is responsible for ensuring that the aerial apparatus tactical function is assigned to another Company (refer to MFR Best Practices A108 Parking Garage Fires).
5. **Other incidents.** On all other multiple-company emergency scenes, the Incident Commander and Quint Company Officer should use the Quint to its fullest capabilities to mitigate an incident. Should a situation arise where the staffing limitation prohibits efficient or effective use of the Quint apparatus, additional personnel may be assigned to assist the Quint Company.

G. Quint Use.

1. **Positioning.** The Quint should normally position for aerial ladder use because the amount of hose carried by the Quint far exceeds the length of the aerial ladder. Usually, for multiple-company response incidents, a Quint will respond and position as an aerial apparatus. When possible, Quints should position to accomplish two tactical functions.
2. **Clearances for Quints.** All apparatus positioning near a Quint should allow enough area for outrigger deployment on the sides and ladder removal from the rear. Whenever the aerial ladder is raised, the pump operator must stand on the slide out platform. This will ensure that the pump operator will not be electrocuted if the aerial ladder were to contact electrical wires.