



EMERGENCY VEHICLE TECHNICIAN (2020) Certification & Curriculum Implementation Plan

Issued: January 2021

OVERVIEW

This document is intended to provide information for all State Fire Training (SFT) stakeholders on new Emergency Vehicle Technician (EVT) curriculum and certification requirements. Stakeholders are encouraged to study this information carefully and seek clarification from SFT if questions arise.

The Emergency Vehicle Technician (2020) curriculum and certification requirements will be phased in for the California Fire Service Training and Education System. A new Certification Training Standard (CTS) and five (5) Course Plans have been developed based on current National Fire Protection Association (NFPA) Standards which includes NFPA 1071, Standard for Emergency Vehicle Technician Professional Qualifications (2020). The CTS and Course Plans are now available on the SFT website.

EMERGENCY VEHICLE TECHNICIAN 1, 2, AND 3 (2020) IMPLEMENTATION

SFT recognizes that many candidates are vested in the current Fire Mechanic (2014) Certification track and, therefore, the existing Fire Mechanic (2014) curriculum and certification requirements will be available for those candidates during the transition period. The new certification will accommodate both new and current candidates to transition to Emergency Vehicle Technician (2020).

New Curriculum Emergency Vehicle Technician 1	Hours
EVT 1A: Emergency Vehicle Systems: Chassis, Cab, Body, Tank and Accessories (2020)	36 Hours
EVT 1B: Electrical Systems A (2020)	36 Hours
EVT 1C: Pumps and Accessories (2020)	36 Hours

New Curriculum Emergency Vehicle Technician 2	Hours
EVT 2A: Electrical Systems B (2020)	36 Hours

New Curriculum Emergency Vehicle Technician 3	Hours
EVT 3A: Human Resource Management / Fleet Specifications and Records (2020)	28 Hours

Emergency Vehicle Technician (2020) Curriculum and Certification..... Available August 1, 2020
Effective August 1, 2020, EVT 1, EVT 2, and EVT 3 curriculum and certifications will be available.

Certification Task Books:

Implementation of the new Emergency Vehicle Technician (2020) certification levels require that candidates complete a certification task book. This requirement will apply to candidates moving to



EMERGENCY VEHICLE TECHNICIAN (2020) Certification & Curriculum Implementation Plan

the next level of EVT certification. This task book covers all of the job performance requirements contained in the aforementioned professional qualification standards and CTS. Emergency Vehicle Technician certification applicant may initiate a task book and obtain verification signatures for job performance requirements (JPR) demonstrated during training.

For applicants employed by a California Fire Agency, the Fire Chief is the individual who reviews and confirms the completion of a candidate's certification task book. For applicants employed by a public agency (non-fire agency) or private industry, the highest-ranking individual (i.e Fleet Manager) is the individual who reviews and confirms the completion of a candidate's certification task book. All experience and employment used to meet the certification task book requirements must be completed within California.

FIRE MECHANIC 1, 2, 3 (2014) RETIREMENT

SFT recognizes that many applicants are vested in the Fire Mechanic 1, 2, and 3 (2014) and, therefore, the existing curriculum and certification will be available for those applicants during the transition period. The new certification will accommodate both new and current candidates to transition to the Emergency Vehicle Technician Curriculum (2020).

EVT Candidates will be evaluated at their current level of certification and guided through a cross walk moving from the Mechanic level to the new NFPA EVT level. Example: A current valid Fire Mechanic certification will cross over to Emergency Vehicle Technician certification after completing any additional requirements.

Fire Mechanic (2014) Curriculum and Certification Retirement December 31, 2021
Effective January 1, 2022, the Fire Mechanic 1, Fire Mechanic 2, and Fire Mechanic 3 curriculum and certification will be retired.

INSTRUCTOR REQUIREMENTS

Instructor Registration Available August 1, 2020

Instructor for the new EVT courses must meet the requirements for SFT Registered Instructor and will need to take the new course, qualify using the courses listed below or apply through the PACE 2 process.

- Preventative Maintenance (CFMA) or Knowing Your Apparatus (CFMA) meets the course work requirement for CFSTES Emergency Vehicle Technician 1A: Emergency Vehicle Systems: Chassis, Cab, Body, Tank and Accessories
- CFSTES Fire Mechanic 1: Fire Pumps and Accessories course meets the course work requirements for the CFSTES Emergency Vehicle Technician 1C: Pumps and Accessories.
- CFSTES Fire Mechanic 2A: Fire Apparatus Electrical Systems course meets the course work requirements for the CFSTES Emergency Vehicle Technician 2A: Electrical Systems B.
- Specifications Writing Class (CFMA) and CFSTES Fire Management 1 or CFSTES Company Officer 2A meets the course work requirements for the CFSTES Emergency Vehicle Technician 3A: Human Resource Management / Fleet Specifications and Records.



EMERGENCY VEHICLE TECHNICIAN (2020) Certification & Curriculum Implementation Plan

The PACE 2 is a review of an applicant's qualifications, including appropriate education and practical experience relating to course content. This will include course completion and/or review of extensive experience and competency in directly related subject matter. In addition, a new instructor must meet the following requirements:

- Extensive experience directly related to the content of instruction that the candidate is seeking approval to deliver approved SFT Curriculum (See Instructor Task Book). Baseline experience established by the industry is 10,000 hours (5 years) in the direct field of the heavy automotive industry work. Of the five year experience, one year must be in a California fire department, California public agency, or California private industry as a truck mechanic with primary duties related to the maintenance of emergency response vehicles.
 - For new Instructors of the EVT 3A Course, consideration may be given to quantify instructors who perform the skills associated as an EVT 3, while not being a mechanic per say, topics in EVT 3 include Human Resources and Fleet Specifications and Records.
- The candidate shall complete an EVT Instructor Task Book which requires a minimum of 2 classes under the observation of a Vendor Expert (Industry Subject Matter Expert), Registered Instructor or Instructor of Record. These observations may be completed by the same Vendor Expert (Industry Subject Matter Expert), Registered Instructor or Instructor of Record. There is a separate EVT Instructor Task Book for each level (EVT 1, EVT2, EVT3).
 - The Task Book contains job performance requirements (JPRs) identified in the current version of NFPA 1071, Standard for Emergency Vehicle Technician Professional Qualifications (2020). These identified JPRs will correspond to respective course content of the curriculum.

Instructor of Record for Emergency Vehicle Technician:

The Instructor of Record must be an approved SFT Registered Instructor and will need to apply for a PACE 2 review of their instructor qualifications. The Instructor of Record is accountable to ensure that courses are delivered in accordance with SFT regulations and procedures. The Instructor of Record does not directly deliver the course, but is responsible for course oversight. This includes, but is not limited to: being on-site of the host training facility where course(s) are delivered, maintains course oversight of Vendor Expert(s), monitors classroom with visits and observations, completes a written summary of the course being delivered, performs a test analysis, returns all required course documentation to SFT, and addresses all student interactions and concerns.

Vendor Expert (Industry Subject Matter Expert):

SFT anticipates that non-traditional fire service instructors will often be used by delivery venues to meet the specific subject matter expertise needed for each course. The vendor expert is currently employed by a manufacturer (i.e., Pierce, Allison Pump) and is responsible to provide training to the end users. SFT does not register Vendor Experts, as they are approved by and under the supervision of the SFT Instructor of Record. Vendor Experts must successfully complete SFT's Ethical Leadership for the Instructor or Ethical Leadership in the Classroom. Vendor Experts are responsible for delivering SFT course content at the host site, and shall complete course closing



EMERGENCY VEHICLE TECHNICIAN (2020) Certification & Curriculum Implementation Plan

procedures which includes, delivery of summative test(s), course evaluations, course survey, and submission of required items to the Instructor of Record.

POTENTIAL AGENCY IMPACTS

Fire agencies desiring to utilize the Emergency Vehicle Technician (2020) Certification or curriculum as a requirement for their recruitment/promotion activities need to review the Emergency Vehicle Technician (2020) Curriculum and certification requirements to be sure that all agency training needs are being met. After review, Fire Agencies should update their job specifications and recruitment documentation to reflect these new courses and certification requirements.

Accredited Regional Training Programs (ARTP), Accredited Local Academies (ALA), community colleges and all other local delivery venues need to review the curriculum and seek approval from their curriculum committee / program sponsor, as appropriate. ARTPs should review the new Emergency Vehicle Technician (2020) curriculum and discuss potential impacts with their advisory committees.

Fire Agencies should update their job specifications and recruitment documentation to reflect and maintain certification requirements and third party licensing requirements and continuing education.