

Emergency Vehicle Technician 1

(NFPA Emergency Vehicle Technician I)

Certification Task Book (2020)



California Department of Forestry and Fire Protection
Office of the State Fire Marshal
State Fire Training

Overview

Authority

This certification task book includes the certification training standards set forth in the Emergency Vehicle Technician 1 Certification Training Standards Guide (2020) which is based on NFPA 1071: Standard for Emergency Vehicle Technician Professional Qualifications (2020).

Published: January 2021

Published by: State Fire Training, 2251 Harvard Street, Suite 400, Sacramento, CA 95815

Cover photo courtesy of Lawrence Achen, Central Fire Protection District, Santa Cruz, CA.

Purpose

The State Fire Training certification task book is a performance-based document that identifies the minimum requirements necessary to perform the duties of that certification. Completion of a certification task book verifies that the candidate has the required experience, holds the required position if applicable, and has demonstrated the job performance requirements to obtain that certification.

Assumptions

State Fire Training holds the opinion that a Emergency Vehicle Technician 1, Emergency Vehicle Technician 2, or Emergency Vehicle Technician 3 certification candidate may initiate a task book and obtain verification signatures for job performance requirements (JPR) demonstrated during training. A fire chief retains the option to require a candidate to repeat any JPR completed and signed off on during training and to document that performance with a second signature in the candidate's task book.

For candidates who do not work for a California Fire Agency (i.e. non-fire public agency or private industry), the highest-ranking individual (i.e Fleet Manager) assumes the Fire Chief's responsibilities as listed within this certification task book.

Each job JPR shall be evaluated after the candidate initiates the task book.

An evaluator may verify satisfactory execution of a job performance requirement (JPR) through the following methods:

- First-hand observation
- Review of documentation that verifies prior satisfactory execution

State Fire Training task books do not count towards the NWCG task book limit. There is no limit to the number of State Fire Training task books a candidate may pursue at one time if the candidate meets the initiation requirements of each.

It is the candidate's responsibility to routinely check the State Fire Training website for updates to an initiated task book. Any State Fire Training issued update or addendum is required for task book completion.

A candidate must complete a task book within five years its initiation date. Otherwise, a candidate must initiate a new task books using the certification's current published version.

Roles and Responsibilities

Candidate

The candidate is the individual pursuing certification.

Initiation

The candidate shall:

1. Complete all **Initiation Requirements**.
 - Please print or type.

Completion

The candidate shall:

1. Complete all **Job Performance Requirements**.
 - Ensure that an evaluator initials, signs, and dates each task to verify completion.
2. Complete all **Completion Requirements**.
3. Sign and date the candidate verification statement under **Review and Approval** with a handwritten signature.
4. Obtain their fire chief's handwritten (not stamped) signature on the fire chief verification section.
5. Create and retain a physical or high-resolution digital copy of the completed task book

Submission

The candidate shall:

1. Submit a copy (physical or digital) of the completed task book and any supporting documentation to State Fire Training.
 - See Submission and Review below.

A candidate should not submit a task book until they have completed all requirements and obtained all signatures. State Fire Training will reject and return an incomplete task book.

Evaluator

An evaluator is any individual who verifies that the candidate can satisfactorily execute a job performance requirement (JPR).

An evaluator may verify satisfactory execution through the following methods:

- First-hand observation
- Review of documentation that verifies prior satisfactory execution

A qualified evaluator is designated by the candidate's fire chief and holds an equivalent or higher-level certification. If no such evaluator is present, the fire chief shall designate an individual with more experience than the candidate and a demonstrated ability to execute the job performance requirements. If the candidate is being evaluated in a public agency or private industry, the highest-ranking individual familiar with the candidate's experience should sign this task book.

A task book evaluator may be, but is not required to be, a registered skills evaluator who oversees a State Fire Training certification exam.

A certification task book may have more than one evaluator.

All evaluators shall:

1. Complete a block on the **Signature Verification** page with a handwritten signature.
2. Review and understand the candidate's certification task book requirements and responsibilities.
3. Verify the candidate's successful completion of one or more job performance requirements through observation or review.
 - Sign all appropriate lines in the certification task book with a handwritten signature or approved digital signature (e.g. Docusign or Adobe Sign) to record demonstrated performance of tasks.

Fire Chief

The fire chief is the individual who reviews and confirms the completion of a candidate's certification task book.

A fire chief may identify an authorized designee already on file with State Fire Training to fulfill any task book responsibilities assigned to the fire chief. (See *State Fire Training Procedures Manual*, 4.2.2: Authorized Signatories.)

If the candidate is being evaluated in a public agency or private industry, the highest-ranking individual familiar with the candidate's experience should sign this task book.

Completion

The fire chief shall:

1. Confirm that the candidate has obtained the appropriate signatures to verify successful completion of each job performance requirement.
2. Confirm that the candidate meets the **Completion Requirements**.
3. Sign and date the Fire Chief verification statement under **Review and Approval** with a handwritten signature.
 - If signing as an authorized designee, verify that your signature is on file with State Fire Training.

Submission and Review

A candidate should not submit a task book until he or she has completed all requirements and obtained all signatures. State Fire Training will reject and return an incomplete task book.

To submit a completed task book, please send the following to the address below:

- A copy of the completed task book (candidate may retain the original)
- All supporting documentation
- Payment

State Fire Training
Attn: Certification
2251 Harvard Street, Suite 400
Sacramento, CA 95815

State Fire Training reviews all submitted task books.

- If the task book is complete, State Fire Training will authorize the task book and retain a digital copy of the authorized task book in the candidate's State Fire Training file.
- If the task book is incomplete, State Fire Training will return the task book with a notification indicating what needs to be completed prior to resubmission.

Completion of this certification task book is one step in the certification process. Please refer to the *State Fire Training Procedures Manual* for the complete list of qualifications required for certification.

Initiation Requirements

The following requirements must be completed prior to initiating this task book.

Candidate Information

Name: _____

SFT ID Number: _____

Fire Agency: _____

Initiation Date: _____

Prerequisites

The candidate meets the following prerequisites.

- Code of Federal Regulations (CFR) 396.25 Department of Transportation Brake Inspector Qualification

Training/Course	Granting Agency/Institution	Completion Date (listed on brake card)
Code of Federal Regulations (CFR) 396.25 Department of Transportation Brake Inspector Qualification		

National Institute for Auto Service Excellence (ASE)

- Gasoline Engines [T1] (ASE)
- Diesel Engines [T2] (ASE)
- Drive Train [T3] (ASE)
- Brakes [T4] (ASE)
- Suspension and Steering [T5] (ASE)
- Preventative Maintenance Inspections [T8] (ASE)

EVT Certification Commission, Inc. Fire Apparatus Technician Level I Certification

- Note: This exam is administered by the California Fire Mechanics Academy (CFMA).

Education

The candidate has completed the following course(s).

State Fire Training

- Emergency Vehicle Technician 1A: Emergency Vehicle Systems: Chassis, Cab, Body, Tank and Accessories (2020) (36 Hours) (SFT); or Preventative Maintenance (CFMA); or Knowing Your Apparatus (CFMA)
- Emergency Vehicle Technician 1B: Electrical Systems A (2020) (36 Hours) (SFT)
- Emergency Vehicle Technician 1C: Pumps and Accessories (2020) (36 Hours) (SFT); or Fire Mechanic I: Fire Pumps and Accessories (SFT)

Only include copies of any non-SFT course completion certificates to validate education requirements when you submit your task book. AES courses must be current at the time of task book initiation.

Fire Chief Approval

State Fire Training confirms that a Fire Chief's approval is not required to initiate this task book.

Signature Verification

The following individuals have the authority to verify portions of this certification task book using the signature recorded below.

Please print except for the Signature line where a handwritten signature is required. Add additional signature pages as needed.

Name: _____	Name: _____
Job Title: _____	Job Title: _____
Organization: _____	Organization: _____
Signature: _____	Signature: _____
Name: _____	Name: _____
Job Title: _____	Job Title: _____
Organization: _____	Organization: _____
Signature: _____	Signature: _____
Name: _____	Name: _____
Job Title: _____	Job Title: _____
Organization: _____	Organization: _____
Signature: _____	Signature: _____
Name: _____	Name: _____
Job Title: _____	Job Title: _____
Organization: _____	Organization: _____
Signature: _____	Signature: _____
Name: _____	Name: _____
Job Title: _____	Job Title: _____
Organization: _____	Organization: _____
Signature: _____	Signature: _____

Job Performance Requirements

The candidate must complete each job performance requirement (JPR) in accordance with the standards of the authority having jurisdiction (AHJ) or the National Fire Protection Association (NFPA), whichever is more restrictive.

All JPRs must be completed within a California fire agency, California Public Agency, California Private Industry or while attending the California Fire Mechanics Academy.

For JPRs that are not part of a candidate's regular work assignment or are a rare event, the evaluator may develop a scenario or interview that supports the required task and evaluate the candidate to the stated standard.

Each JPR shall be evaluated after the candidate initiates the task book.

Chassis Systems

1. Inspect the chassis systems, given an emergency response vehicle, standard operating procedures (SOPs), manufacturer's specifications, tools and test equipment, an assignment, and an inspection checklist, *calibration, and diagnostic* equipment, so that the structural integrity, the operation, and the condition of the auxiliary drive systems, axles, driveline, steering and suspension system, wheels, and tires are verified to be within manufacturer's specifications; the mounting security is verified; the chassis components are operational and within manufacturer's specifications; all checklist items are inspected; defects and deficiencies, including broken, loose, worn, or missing parts, are identified and reported; inspections and services are documented; and any deficiencies found during the inspection and diagnostic check process are documented. (NFPA 4.2.1 / OSFM) (CTS 2-1)

Evaluator Signature: _____ Date Verified: _____

2. Perform maintenance on the chassis system, given an emergency response vehicle, manufacturer's specifications, a maintenance schedule or an assignment, a maintenance checklist, standard operating procedures (SOPs), test and calibration equipment, and tools, so that deformed, broken, loose, worn, or missing parts are repaired or replaced; components are lubricated; fluid levels are maintained; calibrations and adjustment are performed; the system's operational condition is preserved or restored; activities are documented; and additional repair needs are reported. (NFPA 4.2.2) (CTS 2-2)

Evaluator Signature: _____ Date Verified: _____

3. Inspect chassis systems and components unique to emergency response vehicles, given an emergency response vehicle, standard operating procedures (SOPs), manufacturer's specifications, tools, test and calibration equipment, an assignment, and an inspection checklist, so that the structural integrity of the frame is verified; the operation and condition of independent suspension systems, all-wheel steering systems, secondary braking systems, and auxiliary cooling systems are verified to be within manufacturer's specifications; multiplexing, interface electronics, and load management systems are operationally checked; all checklist items are inspected; defects and deficiencies, including broken, loose, worn, or missing parts, are identified and reported; and inspection and operational checks are documented. (NFPA 4.2.3) (CTS 2-3)

Evaluator Signature: _____ Date Verified: _____

4. Perform maintenance on chassis systems and components unique to emergency response vehicles, given an emergency response vehicle, manufacturer's specifications, a maintenance schedule or an assignment, a maintenance checklist, standard operating procedures (SOPs), test and calibration equipment, and tools and diagnostic equipment, so that deformed, broken, loose, worn, or missing parts are repaired or replaced; components are lubricated; fluid levels are maintained; calibrations and adjustment are performed; the system's operational condition is preserved or restored; activities are documented; and additional repair needs are reported. (NFPA 4.2.4) (CTS 2-4)

Evaluator Signature: _____ Date Verified: _____

5. Perform repairs on chassis systems and components, given an emergency response vehicle with an identified defective component(s), manufacturer's specifications, standard operating procedures (SOPs), an assignment or inspection report detailing a deficiency or deformation, and test and calibration equipment and tools, so that the identified defective component is diagnosed; deformed, broken, loose, worn, or missing parts of a chassis system or its components are repaired, rebuilt, or replaced to manufacturer's specifications; diagnostic checks are conducted and performance is verified; and the repairs are documented in accordance with the procedures of the jurisdiction. (NFPA 5.2.1 / OSFM) (CTS 2-5)

Evaluator Signature: _____ Date Verified: _____

6. Complete axle weight performance test on apparatus in accordance with NFPA 1911, given an emergency response vehicle, an applicable driving license (if required) and a commercial certified scale, so that the apparatus weight is determined to ensure that the weight on the vehicle does not exceed the gross axle weight rating (GAWR) and the gross vehicle weight rating (GVWR) or gross combination weight rating (GCWR) as shown on the rating plate on the fire apparatus; and all testing is documented in accordance with the requirements of NFPA standards and the authority having jurisdiction. (NFPA 5.2.2) (CTS 2-6)

Evaluator Signature: _____ Date Verified: _____

7. Complete braking performance test on apparatus in accordance with NFPA 1911, given an emergency response vehicle, an applicable driving license (if required), and a calibrated driving course so that the apparatus braking system performance is verified to ensure that the braking ability of the apparatus complies with the requirements of NFPA 1911 and federal and state regulations; and all testing is documented in accordance with the requirements of NFPA standards and the authority having jurisdiction. (NFPA 5.2.3) (CTS 2-7)

Evaluator Signature: _____ Date Verified: _____

8. Complete parking brake performance test on apparatus in accordance with NFPA 1911, given an emergency response vehicle, an applicable driving license (if required), and an appropriate road grade, so that the apparatus parking brake system performance is verified to ensure that the park braking ability of the apparatus complies with the requirements of NFPA 1911 and federal and state regulations; and all testing is documented in accordance with the procedures of NFPA standards and the authority having jurisdiction. (NFPA 5.2.4) (CTS 2-8)

Evaluator Signature: _____ Date Verified: _____

9. Complete road performance test on apparatus in accordance with NFPA 1911, given an emergency response vehicle, an applicable driving license (if required), and an approved driving course, so that apparatus system performance is verified to ensure that the drivability of the apparatus complies with requirements of NFPA 1911 and federal and state regulations; and all testing is documented in accordance with the requirements of NFPA standards and the authority having jurisdiction. (NFPA 5.2.5 / OSFM) (CTS 2-9)

Evaluator Signature: _____ Date Verified: _____

Cab and Body

10. Inspect the cab, given an emergency response vehicle, applicable standard operating procedures (SOPs), manufacturer's specifications, tools and test equipment, an assignment, and an inspection checklist, so that the operation of the cab and components is verified; the condition of finishes, signs, labels, and paint is determined; the operation and condition of the doors, latches, trays, glass, and associated hardware are verified to be within manufacturer's specifications; climate control systems are tested for proper operation; all checklist items are inspected; defects and deficiencies, including broken, loose, worn, or missing parts, are identified and reported; and inspection and checks are documented. (NFPA 4.3.1) (CTS 3-1)

Evaluator Signature: _____ Date Verified: _____

11. Perform maintenance on the cab, given an emergency response vehicle, manufacturer's specifications, a maintenance schedule or an assignment, a maintenance checklist, standard operating procedures (SOPs), and tools and test equipment, so that the operational condition is preserved or restored; deformed, broken, loose, worn, or missing parts are repaired or replaced; components are lubricated; skid-resistant walking surfaces are intact; finishes and surfaces are clean and preserved; activities are documented; and additional repair needs are reported. (NFPA 4.3.2) (CTS 3-2)

Evaluator Signature: _____ Date Verified: _____

12. Inspect equipment mounting systems and mounting racks, brackets, and latches, given an emergency response vehicle and its assigned equipment, standard operating procedures (SOPs), manufacturer's specifications, tools and test equipment, an assignment, and an inspection checklist, so that the operation and condition of the mounting system and mounting racks are verified to be within manufacturer's specifications; all checklist items are inspected; defects and deficiencies, including broken, loose, worn, or missing parts, are identified and reported; and inspection and operational checks are documented. (NFPA 4.3.3) (CTS 3-4)

Evaluator Signature: _____ Date Verified: _____

13. Perform maintenance on equipment mounting systems and mounting racks, brackets, and latches, given an emergency response vehicle, manufacturer's specifications, a maintenance schedule or an assignment, a maintenance checklist, standard operating procedures (SOPs), and tools and test equipment, so that warning system components function; all hoses are tight; leaks are stopped; latches are aligned and adjusted to operational condition; fluids are checked and filled; lubricants are applied; any electrical connections are clean and tight; worn pads are replaced; deformed, broken, loose, worn, or missing parts are repaired or replaced; operational condition is preserved or restored; activities are documented; and additional repair needs are reported. (NFPA 4.3.4 / OSFM) (CTS 3-5)

Evaluator Signature: _____ Date Verified: _____

14. Inspect the operation of the cab tilt system and components, given an emergency response vehicle with a cab tilt system, standard operating procedures (SOPs), manufacturer's specifications, tools and test equipment, an assignment, and an inspection checklist, so that the tilt mechanism is readied safe; the structural integrity is assessed; the operation and condition of all cab tilt components and warning systems are verified to be within manufacturer's specifications; all checklist items are inspected; defects and deficiencies, including broken, loose, worn, or missing parts, are identified and reported; and inspections and checks are documented. (NFPA 4.3.5) (CTS 3-7)

Evaluator Signature: _____ Date Verified: _____

15. Inspect body, compartments, and storage areas, given an emergency response vehicle, standard operating procedures (SOPs), manufacturer's specifications, tools and test equipment, an assignment, and an inspection checklist, so that the operation and condition of the body, compartments, doors, latches, trays, and associated hardware are verified to be within manufacturer's specifications; the condition of finishes, signs, labels, and paint is determined and documented; all checklist items are inspected; defects and deficiencies, including broken, loose, worn, or missing parts, are identified and reported; and inspection and checks are documented in accordance with the procedures of the manufacturer and the authority having jurisdiction. (NFPA 4.3.6) (CTS 3-9)

Evaluator Signature: _____ Date Verified: _____

16. Perform maintenance on body, compartments, and storage areas, given an emergency response vehicle, manufacturer's specifications, a maintenance schedule or an assignment, a maintenance checklist, standard operating procedures (SOPs), and tools and test equipment, so that operational condition is preserved or restored; deformed, broken, loose, worn, or missing parts are repaired or replaced; components are lubricated; skid-resistant walking surfaces are intact; finishes and surfaces are clean and preserved; activities are documented; and additional repair needs are reported. (NFPA 4.3.7) (CTS 3-10)

Evaluator Signature: _____ Date Verified: _____

17. Perform repairs on equipment-mounting systems and racks, given an emergency response vehicle, an assignment or inspection report detailing a deficiency or deformation, manufacturer's specifications, standard operating procedures (SOPs), and test and calibration equipment and tools, so that defective components are diagnosed; deformed, broken, loose, worn, or missing parts of an equipment-mounting system or rack are repaired, rebuilt, or replaced to manufacturer's specifications; diagnostic checks are conducted and performance is verified; and repairs are documented in accordance with the procedures of the manufacturer and the authority having jurisdiction. (NFPA 5.3.1 / OSFM) (CTS 3-6)

Evaluator Signature: _____ Date Verified: _____

18. Perform repairs on cab tilt systems, given an emergency response vehicle with a cab tilt system, manufacturer's specifications, an assignment or inspection report detailing a deficiency or deformation, standard operating procedures (SOPs), and test and calibration equipment and tools, so that defective components are diagnosed; deformed, broken, loose, worn, or missing parts of a cab tilt system are repaired, replaced, or rebuilt to manufacturer's specifications; diagnostic checks are conducted and performance is verified; hazards are avoided; and repairs are documented in accordance with the procedures of the manufacturer and the authority having jurisdiction. (NFPA 5.3.2 / OSFM) (CTS 3-8)

Evaluator Signature: _____ Date Verified: _____

19. Perform repairs on body, compartments, and storage areas, given an emergency response vehicle, manufacturer's specifications, an assignment or inspection report detailing a deficiency or deformation, standard operating procedures (SOPs), test and calibration equipment, and tools, so that defective components are diagnosed; deformed, broken, loose, worn, or missing parts of a body, compartment, or storage area are repaired, replaced, or rebuilt to manufacturer's specifications; components are fabricated, adjusted, aligned, and lubricated; hazardous conditions are resolved; diagnostic checks are conducted and performance is verified; and repairs are documented in accordance with the procedures of the manufacturer and the authority having jurisdiction. (NFPA 5.3.3 / OSFM) (CTS 3-11)

Evaluator Signature: _____ Date Verified: _____

20. Perform repairs on a cab, given an emergency response vehicle, manufacturer's specifications, an assignment or inspection report detailing a deficiency or deformation, standard operating procedures (SOPs), test and calibration equipment, and tools, so that defective components are diagnosed; deformed, broken, loose, worn, or missing parts of a cab are repaired, replaced, or rebuilt to manufacturer's specifications; diagnostic checks are conducted and performance is verified; and repairs are documented in accordance with the procedures of the manufacturer and the authority having jurisdiction. (NFPA 5.3.4 / OSFM) (CTS 3-3)

Evaluator Signature: _____ Date Verified: _____

Tank and Accessories

21. Inspect water/foam agent tanks, given an emergency response vehicle with a water or foam tank, standard operating procedures (SOPs), manufacturer's specifications, tools and test equipment, an assignment, and an inspection checklist, so that the mounting and condition of the water/foam agent tank is verified; all coated and noncoated surfaces are free of corrosion; sacrificial anodes are evaluated for life-cycle condition and replaced if necessary; the tank is flushed; all checklist items are inspected; defects and deficiencies, including broken, loose, worn, or missing parts, are identified and reported; and inspections and checks are documented in accordance with the procedures of the manufacturer and the authority having jurisdiction. (NFPA 4.5.2 / OSFM) (CTS 5-4)

Evaluator Signature: _____ Date Verified: _____

22. Perform repairs on water/foam tanks, given an emergency response vehicle with a water or foam tank, manufacturer's specifications, an assignment or inspection report detailing a deficiency or deformation, standard operating procedures (SOPs), and tools, so that

leaks are repaired; interior and exterior surfaces are free of corrosion; coatings are renewed; deformed, broken, loose, worn, or missing parts are repaired, replaced, or rebuilt to manufacturer's specifications; service flow test of the tank(s) is conducted; and the repairs are documented in accordance with the procedures of the manufacturer and the authority having jurisdiction. (NFPA 5.5.2 / OSFM) (CTS 5-5)

Evaluator Signature: _____ Date Verified: _____

Electrical and Electronic Systems

23. Inspect the low-voltage electrical system, given an emergency response vehicle; standard operating procedures (SOPs), manufacturer's specifications; tools and test equipment, including a belt tension gauge and a digital multimeter (DVOM); an assignment; and an inspection checklist, so that the mounting security is verified; operation and condition of the low-voltage electrical system is verified to be within manufacturer's specifications; all checklist items are inspected; defects and deficiencies, including broken, loose, worn, or missing parts, are identified and reported; and inspection and checks are documented in accordance with the procedures of the manufacturer and the authority having jurisdiction. (NFPA 4.4.1 / OSFM) (CTS 4-1)

Evaluator Signature: _____ Date Verified: _____

24. Perform maintenance on the low-voltage electrical system, given an emergency response vehicle, manufacturer's specifications, a maintenance schedule or an assignment, a maintenance checklist, standard operating procedures (SOPs), test and calibration equipment, and tools, so that deformed, broken, loose, worn, or missing parts are repaired or replaced; the operational condition is preserved or restored; calibration and adjustments are performed; activities are documented; and additional repair needs are reported. (NFPA 4.4.2) (CTS 4-2)

Evaluator Signature: _____ Date Verified: _____

Pumps and Accessories

25. Inspect fire pumps or auxiliary pump and related components, given an emergency response vehicle with a fire pump or an auxiliary pump, standard operating procedures (SOPs), manufacturer's specifications, tools and test equipment, an assignment, and an inspection checklist, so that the security of the mounting of all system components (e.g., primer pump, plumbing and valves, pressure control devices, gauges) is verified; operation and condition of the system components, warning system, and interlocks are verified to be within manufacturer's specifications; adjustments are made where required; recommended fluid levels are verified; leaks and fluid contamination are identified and reported; all checklist items are inspected; defects and deficiencies,

including broken, loose, worn, or missing parts, are identified and reported; and inspection and checks are documented in accordance with the procedures of the manufacturer and the authority having jurisdiction. (NFPA 4.5.1 / OSFM) (CTS 5-1)

Evaluator Signature: _____ Date Verified: _____

26. Perform maintenance on a fire pump or auxiliary pump and related components, given an emergency response vehicle with a fire pump or an auxiliary pump, manufacturer's specifications, a maintenance schedule or an assignment, a maintenance checklist, standard operating procedures (SOPs), test and calibration equipment, and tools, so that deformed, broken, loose, worn, or missing parts are repaired or replaced; all packing and seals are adjusted to specification; hoses, valves, and fittings are in good condition and are leak-free; fluids are at recommended levels; recommended lubricants are applied; indicator lights are operational and electrical connections are clean and tight; instrumentation is operational; controls are adjusted, lubricated, and operational; the system's operational condition is preserved or restored; activities are documented; and additional repair needs are reported. (NFPA 4.5.3) (CTS 5-2)

Evaluator Signature: _____ Date Verified: _____

27. Perform repairs on fire pumps or auxiliary pumps and related components, given an emergency response vehicle with a fire pump or auxiliary pump, wildland pump, ultra-high-pressure or industrial pump; manufacturer specifications; an assignment or inspection report detailing a deficiency or deformation; standard operating procedures (SOPs), test, calibration, and diagnostic equipment, and tools, so that defective components are diagnosed; deformed, broken, loose, worn, or missing parts on a fire pump, auxiliary pumps, or related components are repaired, replaced, or rebuilt to manufacturer specifications; operational and service tests are conducted and performance is verified; and repairs are documented in accordance with the procedures of the manufacturer and the authority having jurisdiction. (NFPA 5.5.1 / OSFM) (CTS 5-3)

Evaluator Signature: _____ Date Verified: _____

28. Complete performance testing on apparatus fire pumps and related components in accordance with NFPA 1911, given an emergency response vehicle with a fire pump, wildland pump, ultra-high-pressure pump or industrial pump, manufacturer's specifications, standard operating procedures (SOPs), test and calibration equipment, facilities, and tools, so that the pumping systems are capable of meeting the performance requirements without exceeding 110 percent of the original certification test rpm, and all testing is documented in accordance with the procedures of NFPA standards and the authority having jurisdiction. (NFPA 5.5.3 / OSFM) (CTS 5-6)

Evaluator Signature: _____ Date Verified: _____

Completion Requirements

The following requirements must be completed prior to submitting this task book.

Experience

The candidate meets the following experience requirements.

- Have a minimum of two (2) years full-time, paid experience in a California fire department, public agency, or private industry as an automotive or truck mechanic, with one (1) year of which must be related to the maintenance of emergency response vehicles

OR

- Have a minimum of three (3) years full-time, paid experience in a California fire department, public agency, or private industry as a truck mechanic with no emergency response vehicles required

OR

- Have a minimum of four (4) years volunteer time or paid part-time, paid experience in a California fire department, public agency, or private industry as a truck mechanic with primary duties performing as a truck mechanic.

Agency	Experience	Start Date	End Date

Position

The candidate meets the qualifications for this level of certification. The position requirement is met when the applicant fulfills the role of the specific duties as defined by the Fire Chief.

Updates

The candidate has completed and enclosed all updates to this certification task book released by State Fire Training since its initial publication.

Number of enclosed updates: _____

Completion Timeframe

The candidate has completed all requirements documented in this certification task book within five years of its initiation date.

Initiation Date (see Fire Chief signature under **Initiation Requirements**): _____

Review and Approval

Candidate

Candidate (please print): _____

I, the undersigned, am the person applying for Emergency Vehicle Technician 1 certification. I hereby certify under penalty of perjury under the laws of the State of California, that the completion of all requirements documented herein is true in every respect. I understand that misstatements, omissions of material facts, or falsification of information or documents may be cause for rejection or revocation.

Signature and Date: _____

Fire Chief

Candidate's Fire Chief (please print): _____

I, the undersigned, am the person authorized to verify the candidate's qualifications for Emergency Vehicle Technician 1 certification. I hereby certify under penalty of perjury under the laws of the State of California, that the completion of all requirements documented herein are true in every respect. I understand that misstatements, omissions of material facts, or falsification of information or documents may be cause for rejection.

Signature and Date: _____