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ATTACHMENT 4

Date: August 21, 2014

To: **State Board of Fire Services**

From: Ken Wagner, Fire Service Training Specialist III

SUBJECT/AGENDA ACTION ITEM:
Sierra College Fire Fighter I Beta Test

Recommended Actions:
Information/discussion only
Report on the beta test of the Fire Fighter I (2103) curriculum conducted by Sierra College

Background Information:
At the November 21, 2013 meeting, the SBFS approved the revised Fire Fighter I (2013) curriculum for beta test delivery at Sierra College. Subsequently, at the February 20, 2014 meeting the SBFS approved the full Fire Fighter I (2013) curriculum for statewide delivery. Sierra College conducted this beta test during their spring 2014 Accredited Regional Training Program Fire Fighter I Academy. They utilized both the new curriculum and proposed certification examination process. Sierra College has concluded this delivery and they have prepared an after action report (AAR) for review and consideration by State Fire Training (SFT). A copy of the AAR accompanies this staff report.

Analysis/Summary of Issue:
SFT appreciates the commitment and effort by Sierra College to deliver the Fire Fighter I (2013) curriculum in a beta test format. Through this effort we were not only able to further validate the curriculum, but more importantly, we were able to evaluate the various certification examination protocols and procedures being developed for statewide implementation. Further, on May 9, 2014 Sierra College hosted the California Fire Technology Directors Association (CFTDA) for a briefing on the examination process. The briefing was delivered by SFT staff. On May 10, 2014 Sierra College conducted their first day of skills testing and allowed representatives from CFTDA to observe the activities. Both sessions were very valuable to the CFTDA membership.

This was the first time the Performance Training Systems (PTS) on-line written examination platform was utilized. Sierra College noted that some candidates expressed dissatisfaction with the process. Staff has evaluated these concerns and has been working with PTS to improve the system. Many upgrades have already been implemented.

Sierra College has been conducting skills testing since the inception of their academy. The procedures established under the proposed SFT requirements resulted in additional time and staffing commitments. However, these changes strengthen the delivery of the skills testing.

SFT has transmitted a letter of appreciation to Sierra College thanking them for their efforts in conducting this beta test.

AFTER ACTION REPORT

Sierra College

Accredited Regional Fire Academy

In Cooperation with

CAL FIRE, Office of the State Fire Marshal

California State Fire Training

Firefighter Curriculum

BETA Test

Spring 2014

Prepared by
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June 16, 2014

Mike Richwine, Assistant State Fire Marshal
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RE: Beta Test – Fire Fighter 1 Curriculum and Testing Process

Dear Chief Richwine,

Sierra Joint Community College District, in partnership with California State Fire Training, is pleased to submit this After-Action Report regarding the Beta Test for the new Fire fighter 1 Curriculum and Testing process that was conducted at Sierra College Accredited Regional Fire Academy during the Spring semester of 2014.

It is our belief that fire service agencies within the college's service area and surrounding areas have long benefited from our Fire Technology Program. As with any program, change is needed for growth to meet the demands of the fire service. Part of this growth includes curriculum changes to meet national standards that enable students to pursue careers, not just in our state but nationally.

Our goal is to enhance the fire service and those who wish to pursue fire service careers through broad-based educational programs in partnership with the fire service community.

Sierra College worked diligently to implement the new 2013 Fire Fighter I curriculum and the associated written and skills certification examinations. We hope that the attached "After Action" report provides insight on our experience to California State Fire Training and those agencies and/or institutions that provide training to those seeking careers within the fire service.

Sincerely,

Tim Palmer, Fire Technology Coordinator
Sierra College
5000 Rocklin Road
Rocklin, CA. 95677

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Appendix-A

- Pre Beta Test and Beta Test College Curriculum

Appendix-B

- Pre Beta Test and Beta Test Academy Training and Hot schedules

Appendix-C

- Examination Request, Lead/Skills Evaluators, Assigned Testing Skills, SFT Approval letters

Appendix-D

- Skills Testing Incident Action Plan & Supporting documents

Appendix-E

- Written test statistics report and the itemized report.

Introduction
In September 2013, California State Fire Training requested the assistance of Sierra College and our Fire Technology Program to participate in a "Beta" test for the new Fire Fighter 1 curriculum that would be conducted through our local accredited Fire Academy. Said "Beta" test would be conducted in response to both Blueprint 2020 and the on-going Mission Alignment initiatives and include the implementation of written and skills certification exams to meet NFPA standards.

It was understood that throughout the process the goal would be for California to ultimately be accredited by the International Fire Service Accreditation Congress (IFSAC) and the National Board on Fire Service Professional Qualifications (Pro Board) which would empower State Fire Training (SFT) to issue national certification Fire Fighter1 along with California Fire Fighter 1 certification.

In an effort to meet the SFT request, meetings were conducted with Sierra College Staff, Nevada County and Placer County Fire Chiefs and Training Officers, who were all supportive of conducting the Beta test.

Curriculum
In an effort to meet the new SFT Fire Fighter 1 beta test curriculum requirements and comply with Title-V of the Educational Code, our Fire Fighter 1 (Fire Academy) curriculum had to be updated/modified.

Prior to the beta test, our fire academy curriculum consisted of 230 lecture hours and 270 lab hours for a total of 500 hours. This included the current Fire Fighter 1 curriculum in addition to addressing area fire service professional's request that included the following as depicted in Chart-A.

Chart-A

Certifications Prior to Beta Test
Basic Incident Command System – ICS 200
Confined Space Awareness
Hazardous Materials First Responder - Operational (CSTI)
First Responder Operational - Decontamination (CSTI)
Fire Control 3B
Fire Control 4A / 4B
Low Angle Rescue
RIC-Firefighter Survival
Vehicle Extrication
CAL FIRE Basic Wildland Firefighter
S-130 Basic Wildland Firefighter
S-190 Beginning Fire Behavior
Swift Water Rescue Awareness
L-180 Human Factors in the Wildland Fire Service
S-134 LCES

Upon reviewing the new Fire Fighter 1 curriculum, we met with Placer and Nevada County Fire Chiefs and Training Officers and discussed their needs and/or request for the specific training topics they would like to see incorporated into or with the new curriculum that would be taught at the Sierra College Fire Academy. All seemed in favor of the new

curriculum and the removal of topics that were pushed to the Fire Fighter 2 curriculum. Upon receiving this feedback, we updated the Fire Fighter 1 college curriculum through our WebCMS curriculum system with the goal of keeping the

total hours at 500 for budgetary purposes. In addition to covering all new SFT Fire Fighter 1 curriculum, we continued to offer the following training topics and completion certificates at depicted in Chart-B:

Chart-B

Completion Certificates for Beta Test
Introduction to the Incident Command System – IS 100
National Incident Management System (NIMS) IS 700a
Confined Space Awareness
Hazardous Materials First Responder - Operational (CSTI)
Fire Control 3B
Firefighter Survival
Vehicle Extrication
CAL FIRE Basic Wildland Firefighter
S-130 Basic Wildland Firefighter
S-190 Beginning Fire Behavior
L-180 Human Factors in the Wildland Fire Service
S-134 LCES
24 EMS Continuing Educational Credit

In comparing chart-A to chart-B, you can see which training topics remained, were removed and/or added as indicated in Chart-C.

Chart-C

Training Topic	Change Made	Required FF 1 Curriculum
Basic Incident Command System – ICS 200	Removed	
Confined Space Awareness	Remained	X
Hazardous Materials First Responder - Operational (CSTI)	Remained	X
First Responder Operational - Decontamination (CSTI)	Removed	
Fire Control 3B	Remained	
Fire Control 4A / 4B	Removed	
Low Angle Rescue	Removed	
Firefighter Survival	Remained	X
Vehicle Extrication	Remained	
CAL FIRE Basic Wildland Firefighter	Remained	
S-130 Basic Wildland Firefighter	Remained	X
S-190 Beginning Fire Behavior	Remained	X
Swift Water Rescue Awareness	Removed	
L-180 Human Factors in the Wildland Fire Service	Remained	X
S-134 LCES	Remained	
Introduction to the Incident Command System – IS 100	Added	X
National Incident Management System (NIMS) IS 700a	Added	X
EMS Continuing Educational Credit	Added	

As you know, the new Fire Fighter 1 curriculum is 389 total hours. This includes 126:30 hours of lecture, 227 hours of skills/lab, and 36 hours of testing. Chart-D depicts the break-down from our old curriculum to the new:

Chart-D

Old Curriculum (Prior to Beta Test)		New SFT FF-1 Curriculum		Updated College Curriculum	
Lecture hours	230	Lecture hours	126.5	Lecture hours	165
Lab/skill hours	270	Lab/skill hours	227	Lab/skill hours	335
		Testing hours	36		
Total Hours	500	Total Hours	389.5	Total Hours	500

At Sierra College we incorporate our testing hours with lab/skill hours, whereas SFT separates them. We used the difference in hours to add additional training/educational opportunities for our students at the request of our Fire Advisory Board, area Fire Chiefs and Training Officers. We felt that the difference in hours from SFT curriculum to our new curriculum would be needed to accommodate testing time. Attached you will find the copies of the curriculum pre and post Beta Test. (Appendix-A)

Once the curriculum was updated and approved by the Sierra College Curriculum Committee, we than began the process of developing the Fire Academy Schedule

Fire Academy Schedule

The Sierra College Fire Academy uses the ICS structure in the overall management of the academy. Our Planning Section Chief had to refine and/or redevelop many parts of the schedule looking closely at the lecture/lab hours to incorporate all requirements for SFT and each individual certificate or FSTEP course offered within the academy. Challenging isn't the word our planning section chief used. Nonetheless, the schedule was developed and our goal of keeping the total hours at 500 was accomplished while continuing to meet SFT Fire Fighter 1 requirements. Attached you will find copies of the pre and post Beta Test schedule. You will also find copies of the "Hot" drill schedule. (Appendix-B)

Academy Structure (Pre-Beta Test)

It should be known that our Fire Academy runs on an extended semester basis. We generally start 3-4 weeks prior to the start of a regular semester and end at the end of a regular semester. Throughout the academy there are weekly on-line quizzes with written and skills testing at mid-term and during the final few weeks. We generally have an 80% success rate and only a few fail out at mid-term.

Academy Structure (Beta Test)

For the Beta test, we ran the academy within the same time-frame as previous academies; however, we made several format changes. We continued weekly on-line quizzes, administered a college summative written mid-term and final. We chose not to conduct skills testing at mid-term and decided we would use the SFT Beta test skills for final psychomotor testing. We later found out that a few students, who should have failed out at mid-term, ended up failing during final skills evaluations.

Skills/Lead Evaluator Training

Sierra College academy instructors participated in SFT Skills/Lead Evaluator training in April 2014. Said training was highly productive and informative regarding the new written and skills testing process. It is believed to be a necessary component of the new Fire Fighter 1 testing process.

Testing Request Process
Upon completing the skills/lead evaluator training, approximately 2 weeks prior to the written test, we completed and submitted the Fire Fighter 1 certification examination request application and included the names of those who would be Lead/Skills evaluators to SFT. Within a few days, we received authorization to conduct the written test and were assigned the 21 skills (required and random) to use for final firefighter skills testing. Upon reviewing the skills, we made a request to change one of the skills (overhaul) for another skill. We simply felt that logistically we would not be able to facilitate this skill in a timely manner i.e. time to replace sheetrock for 33 students. SFT agreed with our request and graciously assigned another skill. See Appendix-C: Examination Request, Lead/Skills Evaluators, Assigned Testing Skills, and Approval letters for Written and Skills Examinations

Initially, when we received the 21 skills, they were emailed with a special account code that could only be opened after creating a special Microsoft account. Although we understand the need for confidentiality, we felt that this was more of a burden due to not be able to save, copy, paste or send the document. We requested that SFT resend the document and upon receipt we were easily able to send it to our planning section chief who developed the IAP.

Overall, the testing request process worked well.

Written Test (Beta)
The SFT written test was conducted in the computer lab at Sierra College and more than met the needs for the Beta Test. Academy Director Mark Romer, Lead Evaluator facilitated the written examination. 33 students were broken into two (2) groups for morning and afternoon testing times, each at 3 hours per session. The total time needed for the 33 students was 6 hours based on the size of our computer lab; however, we believe that most institutions could easily accommodate 30 students in one testing computer lab.

Upon completing the test, there were mixed reviews by students. Some thought the Jones and Bartlett test prep more than prepared them, while others thought it did not. The highest score was 89.67% and the lowest score was 70.66%. See Appendix E for written test statistics report and the itemized report.

Skills Testing (Beta)
An Incident Action Plan (IAP) was developed by our Planning Section Chief. See Appendix-D. We tested 33 students on the 21 required and randomly selected skills over 5 days (2 Saturdays, 1 Sunday and 2 weeknights). At the completion of all initial and retake testing, 29 students were successful in the process and four (4) students were not.

In our fiscal analysis we estimated 144 hours of lab time for skills testing to accommodate 30 students. We however exceeded these hours due impart to having 33 students, many of whom failed on their initial testing and needed to be retested. For example: On May 10th, we tested 33 students on five (5) of the 21 required/random skills for a total of 165 skill tests. Upon completion of these five (5) skills, 23 individual retests needed to be completed.

Below is a breakdown of the actual number of lab hours per day and staff needed to facilitate skills testing:

9 hours lab, May 10th: 7 instructors & 2 volunteers
9 hours lab, May 11th: 7 instructors & 1 volunteer
4.5 hours lab, May 13th: 6 instructors & 3 volunteers
4.5 hours lab, May 15th: 5 instructors & 3 volunteers
9 hours lab , May 17th: 6 instructors & 2.5 volunteers

Total lab hours is as follows:

May 10th: 63 lab hours
May 11th: 63 lab hours
May 13th: 27 lab hours
May 15th: 22.5 lab hours
May 17th: 54 lab hours
Total = 229.5 lab hours

These hours reflect our first time with this testing process and could go up or down based on several factors including but not limited to the random skills we are given, size of the class, logistical considerations, weather and volunteer participation. Note that we went late on the 10th, 13th, and 15th while finishing on time the 11th and 17th.

It should be noted that we found some slight differences between the IFSTA and Jones and Bartlett student manuals. For example: Skill # 5-13.3 (Operating a charged 1-1/2" or larger hand line while secured to a ground ladder) show some slight variations during the evolution sequence. Even with these slight differences, skill evaluators need to be aware that a student may perform the evolution correctly, but differently than they may have been taught by the primary instructor.

Overall, we believe the pschomotor evaluations went well. We lost only 4 students due to performance and learned things we can do to improve next semester. The biggest of those is to ensure each of our lead instructors cover all of the State required instructional skills for Fire Fighter 1 as identified in all of the skills worksheets in their respected disciplines. We also identified a need for additional volunteers on each of the evaluation days. Their help was immeasurable.

From the students, the following observations were made. Students complained about the extreme stress of the test. Most agreed that the first day was very hard, as they had no way to know what to expect. When asked if a hands on midterm exam would have helped, most agreed it would have. The students used time in the classroom to study for the written final exam. A few read from the text, while most studied from a web based test tutorial.

Cadet Survey

At the end of the academy, 33 cadets were asked to evaluate the written and skills testing process. Of the 33 cadets evaluated, 21 responded to the survey. Two (2) basic questions were asked and the students rated their responses ranging from Strongly Disagree to Strongly Agree. The chart below lists the questions and the number of student responses.

Firefighter-1 (Beta Test)

	Strongly Disagree	Disagree	Neutral	Agree	Strongly Agree
1. The computer based summative examination conducted in the computer lab at Roseville Gateway was appropriate for the material covered throughout the academy?	4	5	5	5	2
2. The 21 skills that you were tested on where appropriate and I feel I was adequately prepared?	1	4	9	5	2

In reviewing the data for question #1, 4 students strongly disagreed, 5 disagreed, 5 were neutral, 5 agreed and 2 strongly agreed. For question #2, 1 student strongly disagreed, 4 disagreed, 9 were neutral, 5 agreed and 2 strongly agreed.

Below are the student comments as submitted by them. Not all students had written comments.

Student 1)
The facilities, staff, training and overall experience were great and I learned a lot that I will carry through my career. From the teaching in the classroom to the physical aspect on the tower I felt like I was taught and shown the foundation to become a firefighter. If there anything I would like to see changed is the testing. The final written test should come after all the skills. The skills testing distracted and was so stressful I was not able to focus on my didactic studies. The JB learning was extremely helpful in my studies as well.

Student 2)
IFSAC/Proboard test – was not prepared at all.

Student 3)
Great experience overall with regards to the computer lab test at Roseville Gateway. I have never received a grade less than an A on an academic test in the academy, but somehow I received grades in the 80's on that test. I got a 69 on wildland in the computer lab and a 98 on the wildland test in the classroom. It seems there was a disconnect between the material.

Student 4)
I believe it would have been beneficial to take the didactic before the skills. Also to have received the skills sheets in the beginning.

Student 5)
I feel the overall experience of the academy was great. I know that the beta test was frustrating for both students and instructors, especially during finals but I feel that it was still ran very well, all things considered.

Student 6)
It was easier than I thought it would be. It was very different than what I've heard about past academies. Would have liked to have Rope Rescue and Foam.

Student 7)
Written final before skills finals! Less lecture more skills!

Student 8)
Many skills were not covered in lecture.

Student 9)
Many skill tests weren't taught in lectures. Some lack of communication. Last minute changes. Written final should be moved to before skills.

Student 10)
Test Prep helped a lot.

Student 11)
Finals needed to be backwards with written first and skills second. Needed to be more prepared for skills and only practice the skills we can be tested on. Need to have all the skills we can be tested on from the very beginning. When doing a skills let the cadet preform the whole skill and then critique the skills and what they did. Seemed like instructors weren't on the same page and were out of the loop. Make sure we have at least done the skill once before testing on it.

Student 12)
I loved the academy. JB Navigate has a huge help and best tool for the things we learned. Although Evals wasn't up and running toward the end, I see it being a big help in the future. Most instructors were helpful and passionate. The exam in Roseville Gateway was poor and I wish we received the skills that we were tested on earlier in the semester. Also, let's at

least go over all the skills once before we are tested on them. Also, allow the students to go through the entire evaluation before critiquing them.

Student 13)
Written final should be conducted before hands on skills. By the time the written was given I was mentally drained and barely passed. Instructors were rarely on the same page especially when it came to hands on skills. Questions on the midterm & final were not covered in class. Overall instruction was good.

Summary
Overall, the Beta test for the new SFT Fire Fighter1 testing process went well. 38 students started the academy and by finals, the number was down to 33. Four (4) students failed the skills test and all passed the College summative academy written final.

The Evals.net web-based program and the ability video students were extremely beneficial throughout the academy. Students who failed during the initial and/or retake skill tests could clearly see the reason for their failure.

On a personal note and after having observed the written and skills testing process, I believe there is a real benefit to proceeding with national approval for the new curriculum and testing process. Administratively the process went very well, from rewriting our college curriculum to meet SFT standards, to requesting written/skills test material, and ultimately conducting the tests. Further, I believe the students in our academy actually studied and prepared much better for the testing process which ultimately makes them better candidates for the fire service. Many of the students, not only within this academy, but students who are taking other fire related courses in their pursuit of entering the academy are very accepting and thrilled about national certification and very much want the ability to test for jobs nationally. Additionally, national standardization of fire service training is critically important to the fire service and is something long talked about. I believe there is real value for the students and fire service in actively pursuing national accreditation. Having witnessed first-hand the training, education and preparation that the students received through this Beta test, we actively support SFT seeking final IFSAC and Pro-Board approval.

We hope you find this document helpful as you fine-tune the Firefighter-1 testing process and/or incorporate the new curriculum into your programs.

If you have any questions, please contact me.

Appendix-A

FIRE 0100 - FIREFIGHTER I ACADEMY

SECTION A

1. **Division:** Business, Applied Academics, & Physical Education
2. **Course Discipline:** FIRE
3. **Course Number:** 0100
4. **Course Title:** FIREFIGHTER I ACADEMY
5. **First semester this new version/new course will be offered:** SPRING 2014

SECTION B General Course Information

1.Units: 15.0 **Variable Units:** N/A

2.This Course is: Degree-Applicable Credit - Non-Transferable

3A. Cross-List: **3B. Formerly:**

Course Format and Duration

4. Standard Term Hours per Week		5. Standard Term Total Semester Hours	
Lecture/Discussion:		Lecture/Discussion:	165
Lab:		Lab:	335
Activity:		Activity:	
By Arrangement:		By Arrangement:	
Total Hours per Week:		**Total Hours :**	500

6. Minimum hours per week of independent work done outside the class: 17.5

Course Preparation - (Supplemental form B required)

7a. Prerequisite(s): (Course and/or other preparation/experience that is REQUIRED to be completed previous to enrollment in this course.)

Completion of FIRE 1 with grade of "C" or better, possession of a current Emergency Medical Technician certificate, and submission of a physician's physical verification, including a spirometry test

7b. Co-requisite(s): (Courses and/or other preparation that is REQUIRED to be taken concurrently with this course.)

Concurrent enrollment in PHED 200

7c. Advisory: (MINIMUM preparation RECOMMENDED in order to be succesful in this course. Also known as "Course Advisory".)

Catalog Description And Other Catalog Information:

8. Repeatability: **Not Repeatable**

Please note: Repeatability does not refer to repeating courses because of substandard grades or a lapse of time since the student took the course. A course may be repeated only if the course content differs each time it is offered and the student who repeats it is gaining an expanded educational experience as stipulated in Title V.

- ☐ Skills or proficiencies are enhanced by supervised repetition and practice within class periods.
- ☐ Active participatory experience in individual study or group assignments is the basic means by which learning objectives are attained.
- ☐ Course content differs each time it is offered.

Explanation for above repeatability selection:

9a. Grading Option: Standard Grade

9b. Catalog Description:

Designed for entry level firefighters. Approved by the California State Board of Fire Services and Fire Marshal's Office. When combined with a specified experience component leads to state certification as a Firefighter I. Includes: fire behavior, control techniques, ground operations, hazardous materials, incident command system, auto extrication, salvage operations, and wildland fire behavior/control. Certificate of Completion issued with grade of "C" or better in both FIRE 100 and PHED 200. Physically demanding program. Materials fee required.

Course Outline Information

10. Course Objectives: (Performance objectives for all credit courses must indicate that students will learn critical thinking and will be able to apply concepts at college level.Performance objectives must be related to items listed in Section 11.)

Lecture Objectives:
1. Examine the role of the firefighter in today's fire service;
2. Outline the typical fire department organization;
3. Examine the basics of chemistry and physics of fire;
4. Explain firefighter safety and its relationship to risk management;
5. Analyze the role of personal protective equipment for firefighters;
6. Compare & contrast the types of self contained breathing apparatus used in the fire service;
7. Examine the types of fire extinguishers and their uses;
8. Evaluate the types and components of water distribution systems;
9. Compare the types of fire hose, their construction, uses, care, maintenance and testing;
10. Evaluate fire stream management principles as it relates to nozzles and appliances;
11. Compare and contrast the types of built in fire protection equipment and systems;
12. Separate differing building construction techniques, terms and features;
13. Examine the types of fire service ladders, their maintenance and use;
14. Assess the types of ropes and knots used in the fire service;
15. Outline the procedures used to conduct a search and rescue in a fire;
16. Identify and demonstrate different forcible entry techniques;
17. Examine the principles and procedures for ventilation;
18. Analyze wildland firefighting principles and practices;
19. Analyze wildland fire behavior;
20. Investigate the techniques used to extinguish wildland fires;
21. Assess human relations as it relates to teamwork;
22. Evaluate the principles and practices of salvage and overhaul;
23. Investigate the First Responder Operations role at a hazardous materials incident;
24. Outline and explain the incident command system as it relates to single resources at initial action incidents;
25. Examine the processes and procedures used in hazardous material first responder operational decontamination assignments;
26. Explain the principles of vehicle extrications;
27. Analyze laws and regulations related to the fire service;
28. Evaluate the role values and ethics play in the fire service;
29. Analyze the tactics used to fight structure fires;
30. Investigate methods to develop resumes and to prepare for oral interviews; and
31. Evaluate procedures used for self rescue and survival in structure fires.

Laboratory Objectives:
1. Demonstrate how to properly don a structural PPE (Personal Protective Equipment) ensemble within one minute;
2. Practice different different procedures to don, doff, and use SCBA (Self Contained Breathing Apparatus);
3. Repeat routine inspection procedures of SCBA in accordance with manufacturers' instructions;
4. Follow after-use maintenance and servicing of SCBA in accordance with manufacturers' instructions;
5. Show the filling of a SCBA cylinder with an air-cascade system;
6. Demonstrate the operation of portable fire extinguishers;
7. Follow correct procedures to test the operability and flow of fire hydrants;
8. Practice the coupling and uncoupling of fire hose;
9. Practice rolling, carrying, and loading of fire hose;
10. Demonstrate advancing of fire hose lines, both charged and uncharged;
11. Practice the maintenance and care and repair of fire hose;
12. Practice establishment of a water supply connection;
13. Perfect procedures for extending hose lines;
14. Follow the steps to replace a burst hose section;
15. Perform the correct procedures for laying hose lines for water supply;
16. Deploy and operate master stream devices;
17. Demonstrate the operation of the various types of nozzles;
18. Practice setting up and using a portable monitor unit;
19. Reproduce the steps to connect to a fire department connection;
20. Copy steps necessary to connect supply and attack lines to standpipe connections;
21. Recognize ladder operation safety procedures;
22. Practice skills associated with ladders, such as pick ups, carries, raising, lowering, leg locks, tool handling, ascending and descending ladders, and use of roof ladders;
23. Recognize fundamentals of proper ladder placement;

24. Determine how far away from a building a ladder should be placed;
25. Show proper methods of rigging basic firefighting equipment to be hoisted;
26. Develop proper procedures for victim drags and carries;
27. Demonstrate proper and safe operation of vehicle extrication tools and equipment;
28. Train on conventional procedures of forcible entry on a variety of doors;
29. Practice various salvage cover throws, folds,and rolls;
30. Recognize how to arrange a room's contents into a salvageable position;
31. Show techniques for stopping a flowing sprinkler head;
32. Recognize strategies and tactics to manage wildland fires;
33. Practice proper deployment procedures for fire shelters;
34. Develop procedures for the inspection and maintenance of wildland tools;
35. Demonstrate the use of wildland tools in the extinguishment of wildland fires;
36. Develop the ability to identify a hazardous material event from basic clues, warning signs, placards, labels, and shipping papers;
37. Demonstrate a proper and safe response for a hazmat incident at an operational level;
38. Demonstrate the proper operation of a gas cartridge and pumped portable fire extinguisher;
39. Practice tying the following knots: overhand bend, Becket bend, bowline, clove hitch, half sheepshank, bowline on bight, square knot, and figure eight;
40. Train how to make a barrel coil and load a drop bag;
41. Demonstrate how to use and maintain power saws used for ventilation operations;
42. Develop correct procedures for horizontal and vertical ventilation;
43. Practice the use of ropes and equipment in victim rescue;
44. Develop methods of firefighter self rescue.

11. Course Content Outline: (Provides a comprehensive, sequential outline of the course content, including all major subject matter and the specific body of knowledge covered.)

I. Organization and Responsibility
A. Laws and Regulations
1. Government Organizations
2. Personnel Rules and Regulations
3. Retirement Systems, Compensation Laws
4. Agency Rules and Regulations
B. Personnel and Functions
1. Fire Department Functions
2. Duties of Personnel
3. Personal Development Programs
4. Obedience and Obligation to Duty
C. Professional Organizations
1. National, State, and Local Organizations
II. Cultural Diversity
A. Definitions
1. Culture
2. Cultures Within the Fire Service
3. Discrimination
4. Harassment
B. Laws and Regulations
1. Discrimination
2. Harassment
C. Impact of Attitudes and Behavior
D. Common Behaviors of a "Hostile" Work Environment
E. Verbal and Nonverbal Communications
F. Overcoming a Hostile Work Environment
III. Apparatus and Equipment Operation
A. Forcible Entry and Miscellaneous Tools
1. Cutting, Boring, and Sawing Tools
2. Battering, Carrying, Digging, Prying, and Striking Tools
3. Lighting Equipment
4. Ventilation Equipment
B. Lifting and Hoisting Equipment
1. Ropes, Knots, and Hitches
2. Lifting and Spreading Equipment
3. Hoisting and Pulling Equipment
C. Extinguishers and Proportioners
1. Pressure Type Extinguishers
2. Foam Generators
3. Water-Additive Proportioners
D. Hose, Nozzles, and Fittings
1. Coupling Hose
2. Roll, Fold, and Carry Hose
3. Nozzles, Valves, Fittings, and Other Devices
4. Siamese and Wye Lines
5. Extend and Reduce Lines
6. Load Hose on Apparatus
E. Hose Evolutions
1. Operate Hydrants
2. Lay Single Lines
3. Lay Multiple Lines
4. Connect Lines to Auxiliary Appliances
5. Master Stream Appliances
6. Operate Lines Above and Below Street Level
F. Ladders
1. Carry, Raise, and Lower Ladders
2. Climb and Work from Ladders
3. Ladders as Improvised Equipment
G. Building Equipment
1. Elevators

2. Fire Protection Systems
3. Fire Escape Systems
H. Rescue Tools and Equipment
1. Breathing Apparatus
2. Lifelines and Belts
3. Protective Clothing
IV. Water Supply
A. Hydraulics
1. Range of Fire Streams
2. Reaction of Fire Streams
V. Fire Control
A. Fire Behavior
1. Classes of Fire
2. Theory and Fundamentals of Combustion
3. Theory of Heat Transfer
4. Theory of Extinguishment
5. Fire Characteristics of Solids
6. Fire Characteristics of Flammable Liquids and Gases
7. Products of Combustion
8. Hazardous and Explosive Materials
a. First Responder Certificate
9. Effects of Extinguishing Agent Application
VI. Incident Command System
A. Principles and Features of ICS
1. Primary Management Functions
2. Management by Objectives
3. Unity and Chain of Command
4. Establishment and Transfer of Command
5. Organizational Flexibility
6. Unified Command
7. Span of Control
8. Common Terminology
9. Personnel Accountability
10. Integrated Communications
11. Resources Management
12. The Incident Action Plan
B. Organizational Overview
1. Terminology
2. Organizational Structure
3. Developing the Organization
4. Transfer of Command
C. Incident Facilities
1. ICS Facilities
2. Command Post
3. Staging Areas
4. Base
5. Camps
6. Helibase
7. Helispots
D. Incident Resources
1. Definition of Resources
2. Resources Options
3. Resource Status
E. Common Responsibilities
1. General Guidelines
2. Actions Prior to Departure
3. Check-In
4. Responsibilities
5. Incident Records
6. Communications Discipline

7. Demobilization
VII. Hazardous Materials - Operational Level
A. Introduction
1. Importance of Course
2. Ability to Identify Toxins
3. Protect Self on Fireground
4. Prevent Long-Term Ill Health Effects
B. Non-Structural Alarms
1. Gas Leaks
2. Landfills, Dumpsters, and Other Waste Disposal Sites
3. Electrical Fires
4. Public Highway
5. Rail
6. Aircraft
7. Waterways
C. Exposure and Response
1. Asphyxiants
2. Corrosives
3. Irritants
4. Sensitizers
5. Carcinogens
6. Mutagens
7. Teratogens
8. Absorptions
9. Inhalation
10. Ingestion
11. Categories of Biological Agents
12. Medical Surveillance
D. Recognition and Identification
1. Occupancy and Location
2. Placards, Labels, and Markings
3. Identifying Characteristics of Bulk Containers
4. Reference Books
5. Detection Devices
6. Senses
E. Basic Principles of Chemistry
1. States of Matter
2. Specific Gravity
3. Vapor Density
4. Chemical Reactions
5. Temperature
F. Personal Protective Equipment
1. Structural Firefighting Gear
2. Respiratory Equipment
3. Decontamination
4. Inspection and Storage
G. Scene Management
1. Incident Management System
2. Establishing Zones and Areas
3. Initial Actions
4. Sizing-Up/Establishing Command
5. Securing Scene/Isolating Hazard
6. Identifying the Hazard
7. Rescue and Evacuation
8. Staging and Resources
9. Ongoing Re-Evaluation
H. Pre-Incident Planning
1. Hazard Identification
2. Hazard Analysis and Risk Assessment
3. Analysis of Resources

4. Environment Considerations
VIII. Wildland Fire Control Practices
A. Wildland Fire Control Safety
1. Terminology and Parts of Fire
2. Overview of Fire Behavior
3. Firefighting Safety
4. Wildland Firefighter Personal Protective Equipment
5. Fire Shelter
6. Emergency Procedures (Actions When Trapped)
7. Falling and Rolling Material; Dozer Safety
8. Aircraft Safety (Rotary and Fixed-Wing)
9. Wildland Fire Strategy
10. Mobile Attack
11. Progressive Hoselays and Basic Hydraulics
12. Use of Water / Mop-Up Patrol
13. Hand Tools
14. Handline Construction
15. Firing-Out Tools and Techniques
16. Field Applications
B. Wildland Firefighting Essentials
1. Overview of Mutual Aid System
2. Applicability of Incident Command System
3. Methods and Techniques of Safe Fire Suppression
4. Principles of Strategy and Tactics
5. Tactics and Methods of Structure Protection
6. Firefighter Survival Skills
C. Wildland Fire Behavior
1. Environmental Factors of Fire Behavior
2. Fire Suppression Methods
3. Fire Weather Factors in Fire Suppression
4. Life Threatening Situations in Wildfires
IX. Vehicle Extrication
A. Vehicle Extrication Incidents
1. Scene Size-Up
2. Assessing the Need for Extrication Activities
3. Vehicle Extrication Incident Safety Considerations
B. Stabilizing the Vehicle
1. Employment of Cribbing
2. Pneumatic and Mechanical Lifting Devices
C. Gaining Access to Victims
1. Supplemental Restraint Systems
2. Side Impact Protection Systems
3. Vehicle Construction "Anatomy"
D. Disentanglement and Patient Removal Techniques
1. Patient Care Considerations
2. Overview of Patient Handling
E. Tool Selection and Use
1. Use of Air Chisel
2. Use of Manual and Hydraulic Power Spreaders
3. Windshield Removal Techniques
4. Use of "Come-A-Long" Device
5. Hack-Saws, High-Lift Jacks and Improvised Tools
X. Structural Live Fire Training
A. Safety Considerations During Course
1. Establishment of Command and Control
2. Safety Position(s) and Tasks
3. Use of Structural Personal Protective Clothing
4. Use of Self Contained Breathing Apparatus
B. Interior Structural Firefighting Techniques and Practices
1. Interior Hoseline Placement and Fire Stream Management

2. Interior Search and Rescue Techniques and Practices
3. Ventilation and Forcible Entry Practices
4. Experience Actual Interior Fire Conditions
XI. Firefighter Survival
A. Developing a Survival Attitude
B. Preventing the Firefighter Emergency
C. The Firefighter Emergency
D. SCBA Emergencies
E. Survival Skills
1. SCBA Emergency Procedure Check
2. Calling "Mayday"
3. Reading Couplings
4. Window Hang
5. Hose Slide
6. Emergency Ladder Escape-Hook-two/Slide-to-four Method
7. Entanglement Emergencies
a. Swim or Sweep Method
b. SCBA Removal Method
8. Wall Breach
9. Changing Your SCBA Profile
a. Nonremoval Method
b. Low or Reduced Profile (Partial-removal Method)
c. Zero or No Profile (full-removal Method)
F. SCBA Confidence Course
G. SCBA Awareness

12. Typical Out-of-Class Assignments: (Credit courses require two hours of independent work outside of class for each lecture hour, less lab/activity classes. List type of assignments including library assignments.)

a. Reading Assignments: (Submit at least 2 examples.)

1. The students will read the assigned material on fire technology education and the firefighter selection process in the text. They will then develop a personal educational plan.
2. The students will read provided material on the proper procedures and processes for a response to an unknown hazardous material spill. They will break in to small groups, after which they will be provided with scenarios of hazardous materials spills. The groups will outline proper response procedures and present their plans to the class.

b. Writing, Problem Solving or Performance: (Submit at least 2 examples)

1. Given written scenarios, prepare a written response on how to manage a confined space rescue incident, applying information presented in class and from assigned text.
2. Working in groups using provided scenarios, solve problems related to fire suppression techniques in wildland incidents and present conclusions to the class.

c. Other (Term projects, research papers, porfolios, etc.)

13. Required Materials:

a. All textbooks, resources and other materials used in this course are college level?

- ☑ Yes
- ☐ No

b. Representative college-level textbooks (for degree applicable courses) or other print materials:

Book 1:

Author:	National Fire Protection Agency (NFPA) and the International Association of Fire Chiefs (IAFC)
Title:	Fundamentals of Fire Fighter Skills
Publisher:	Jones & Bartlett Learning
Date of Publication:	2012
Edition:	3rd

c. Other materials and/or supplies required of students:

Methods of Instruction

14.Check all Instructional methods used to present course content:

- ☑ Lecture
- ☑ Discussion Semminar
- ☑ Lab
- ☑ Directed Study
- ☑ Activity
- ☐ Distance Education (requires supplemental form)
- ☐ Work Experience
- ☐ Tutoring

Other: Field Exercises / Practical Applications

Give detailed examples of teaching methodology that relate to the course performance objectives:

1. The instructor will facilitate classroom discussion on case studies of firefighter injuries and deaths during wildland operations and identify how these incidents can be avoided based on current safety guidelines.
2. The instructor will lecture on care and maintenance of ropes and demonstrate how to tie knots and hitches used in the fire service. Students will then practice tying the knots and hitches demonstrated.

15. Methods of Assessing Student Learning

15a. Methods of Evaluation:

- ☑ Essay Exam
- ☑ Objective Exam
- ☑ Projects
- ☑ Class Discussion
- ☑ Reports
- ☑ Problem Solving Exam
- ☑ Skill Demonstration
- ☐ Other

15b. (All courses must provide for measurement of student performance in terms of stated student performance objectives, Area 10, and culminate in a formal recorded grade based on uniform standards. Submit at least 2 examples.)

1. Objective - "Describe basic building construction techniques, terms and features": In a short essay describe how fire affects the four basic building materials in use today.
2. Objective - "Examine the basics of chemistry and physics of fire": In an essay define and provide an example of "stratification" as it applies to structural firefighting.
3. Objective - "Demonstrate advancing fire hose lines, both charged and uncharged": Given an uncharged hose line, and using identified techniques and safety guidelines, the fire crew shall demonstrate the proper procedure to advance an uncharged hose line over a ladder.
4. Objective - "Practice skills associated with ladders, such as pick ups, carries, raising, lowering, leg locks, tool handling, ascending and descending ladders, and use of roof ladders": Working in a team using identified techniques and safety guidelines, students will carry, position and raise a ladder using a flat raise.

SECTION C

1. Program Information:

- ☑ In an approved program
- ☐ Part of a new program
- ☐ Not part of an approved program

2. TOP Code Information

Program Title: Fire Academy 213350

3. Course SAM Code:

- ☐ A - Apprenticeship Course
- ☐ B - Advanced Occupational
- ☑ C - Clearly Occupational
- ☐ D - Possibly Occupational
- ☐ E - Non-Occupational

4. Faculty Discipline Assignment(s):

Fire Technology

Comments:

SECTION D

General Education Information:

1. College Associate Degree GE Applicability:

2. CSU GE Applicability:

3. IGETC Applicability:

4. C-ID :

SECTION E

1. Articulation Information: (Required for Transferable Courses Only)

- ☐ CSU Transferable
- ☐ UC Transferable
- ☐ CSU/UC Major Requirement.

If CSU/UC major requirement, list campus and major. (Note: Must be lower division)

2. List at least one community college and its comparable course. If requesting CSU and/or UC transferability also list a CSU/UC campus and comparable lower division course

SECTION F

Planning and Resources: Please address the areas below:

1. Evidence of Need or Potential: recommendations of advisory committee, connection to existing or planned degrees/certificates, or regional/national developments, transfer university requirements.

This course was recommended by the advisory committee and is degree applicable. This course leads to eventual certification as a Firefighter I by the State Fire Marshal.

2. Appropriateness to Mission: connection to basic skills, transfer, career technical education, or lifelong learning; relationsh

This is a career technical education course and is required as minimum training by most California fire agencies.

3. Place in Program/Department: relationship to student learning outcomes identified by program, connection to general education, or articulation with other institutions.

This course is transferable to other community colleges.

4. Availability of Faculty and Facilities: minimum qualifications to teach course, special training for instructors, or long-term physical impact of course.

Refer to Section C for information regarding minimum qualifications. No long term physical impact.

5. Potential Impact on Resources: impact on library, computer support, transportation, equipment, or other needs

Minimal impact on resources.

SECTION G

1. Maximum Class Size (recommended): 37

2. If recommended class size is not standard, then provide rationale:

FIRE 0100 - FIREFIGHTER I ACADEMY

SECTION A

1. Division:	Business, Applied Academics, & Physical Education
2. Subject Code:	FIRE
3. Course Number:	0100
4. Course Title:	FIREFIGHTER I ACADEMY
5. Semester of First Offering:	SPRING 2013

SECTION B General Course Information

1.Units: 17.5 **Variable Units:** N/A

2.This Course is: Degree-Applicable Credit - Non-Transferable

3A. Cross-List: **3B. Formerly:**

Course Format and Duration

4. Standard Term Hours per Week		**5. Standard Term Total Semester Hours**	
Lecture/Discussion:	12.5	Lecture/Discussion:	230
Lab:	15	Lab:	270
Activity:		Activity:	
By Arrangement:		By Arrangement:	
Total Hours per Week:	27.5	**Total Hours :**	500

6. Minimum hours per week of independent work done outside the class: 25

Course Preparation - (Supplemental form B required)

7a. Prerequisite(s): (Course and/or other preparation/experience that is REQUIRED to be completed previous to enrollment in this course.)

Completion of FIRE 1 with grade of "C" or better, possession of a current Emergency Medical Technician certificate, and submission of a physician's physical verification, including a spirometry test

7b. Co-requisite(s): (Courses and/or other preparation that is REQUIRED to be taken concurrently with this course.)

Concurrent enrollment in PHED 200

7c. Advisory: (MINIMUM preparation RECOMMENDED in order to be succesful in this course. Also known as "Course Advisory".)

Catalog Description And Other Catalog Information:

8. Repeatability: **Not Repeatable**

Please note: Repeatability does not refer to repeating courses because of substandard grades or a lapse of time since the student took the course. A course may be repeated only if the course content differs each time it is offered and the student who repeats it is gaining an expanded educational experience as stipulated in Title V.

- ☐ Skills or proficiencies are enhanced by supervised repetition and practice within class periods.
- ☐ Active participatory experience in individual study or group assignments is the basic means by which learning objectives are attained.
- ☐ Course content differs each time it is offered.

Explanation for above repeatability selection:

9a. Grading Option: Standard Grade

9b. Catalog Description:

Designed for entry level firefighters. Approved by the CA State Board of Fire Services and Fire Marshal's Office. When combined with a specified experience component leads to state certification as a Firefighter I. Includes: fire behavior, control techniques, ground operations, hazardous materials, incident command system, confined space awareness, auto extrication, salvage operations, and wildland fire behavior/control. Certificate of Completion issued with grade of "C" or better in both FIRE 100 and PHED 200. Physically demanding program. Materials fee required.

Course Outline Information

10. Student Performance Objectives: (Performance objectives for all credit courses must indicate that students will learn critical thinking and will be able to apply concepts at college level.Performance objectives must be related to items listed in Section 11.)

Lecture Objectives:

1. Examine the role of the firefighter in today's fire service;
2. Outline the typical fire department organization;
3. Examine the basics of chemistry and physics of fire;
4. Explain firefighter safety and its relationship to risk management;
5. Analyze the role of personal protective equipment for firefighters;
6. Compare & contrast the types of self contained breathing apparatus used in the fire service;
7. Examine the types of fire extinguishers and their uses;
8. Evaluate the types and components of water distribution systems;
9. Compare the types of fire hose, their construction, uses, care, maintenance and testing;
10. Evaluate fire stream management principles as it relates to nozzles and appliances;
11. Compare and contrast the types of built in fire protection equipment and systems;
12. Separate differing building construction techniques, terms and features;
13. Examine the types of fire service ladders, their maintenance and use;
14. Assess the types of ropes and knots used in the fire service;
15. Outline the procedures used to conduct a search and rescue in a fire;
16. Identify and demonstrate different forcible entry techniques;
17. Examine the principles and procedures for ventilation;
18. Analyze wildland firefighting principles and practices;
19. Analyze wildland fire behavior;
20. Investigate the techniques used to extinguish wildland fires;
21. Assess human relations as it relates to teamwork;
22. Evaluate the principles and practices of salvage and overhaul;
23. Investigate the First Responder Operations role at a hazardous materials incident;
24. Outline and explain the incident command system as it relates to single resources at initial action incidents;
25. Examine the processes and procedures used in hazardous material first responder operational decontamination assignments;
26. Describe the basic principles of operation on confined space incidents;
27. Analyze the hazards associated with flammable liquids and gasses;
28. Explain the principles of vehicle extrications;
29. Identify the practices used in low angle rescue operations;
30. Analyze laws and regulations related to the fire service;
31. Evaluate the role values and ethics play in the fire service;
32. Analyze the tactics used to fight structure fires;
33. Explain the procedures used to perform a rescue from moving water;
34. Investigate methods to develop resumes and to prepare for oral interviews; and
35. Evaluate procedures used for self rescue and survival in structure fires.

Laboratory Objectives:

1. Demonstrate how to properly don a structural PPE (Personal Protective Equipment) ensemble within one minute;
2. Practice different different procedures to don, doff, and use SCBA (Self Contained Breathing Apparatus);
3. Repeat routine inspection procedures of SCBA in accordance with manufacturers' instructions;
4. Follow after-use maintenance and servicing of SCBA in accordance with manufacturers' instructions;
5. Show the filling of a SCBA cylinder with an air-cascade system;
6. Demonstrate the operation of portable fire extinguishers;
7. Follow correct procedures to test the operability and flow of fire hydrants;
8. Practice the coupling and uncoupling of fire hose;
9. Practice rolling, carrying, and loading of fire hose;
10. Demonstrate advancing of fire hose lines, both charged and uncharged;
11. Practice the maintenance and care and repair of fire hose;
12. Practice establishment of a water supply connection;
13. Perfect procedures for extending hose lines;

14. Follow the steps to replace a burst hose section;
15. Perform the correct procedures for laying hose lines for water supply;
16. Deploy and operate master stream devices;
17. Demonstrate the operation of the various types of nozzles;
18. Practice setting up and using a portable monitor unit;
19. Reproduce the steps to connect to a fire department connection;
20. Copy steps necessary to connect supply and attack lines to standpipe connections;
21. Recognize ladder operation safety procedures;
22. Practice skills associated with ladders, such as pick ups, carries, raising, lowering, leg locks, tool handling, ascending and descending ladders, and use of roof ladders;
23. Recognize fundamentals of proper ladder placement;
24. Determine how far away from a building a ladder should be placed;
25. Show proper methods of rigging basic firefighting equipment to be hoisted;
26. Develop proper procedures for victim drags and carries;
27. Demonstrate proper and safe operation of vehicle extrication tools and equipment;
28. Train on conventional procedures of forcible entry on a variety of doors;
29. Practice various salvage cover throws, folds,and rolls;
30. Recognize how to arrange a room's contents into a salvageable position;
31. Show techniques for stopping a flowing sprinkler head;
32. Recognize strategies and tactics to manage wildland fires;
33. Practice proper deployment procedures for fire shelters;
34. Develop procedures for the inspection and maintenance of wildland tools;
35. Demonstrate the use of wildland tools in the extinguishment of wildland fires;
36. Develop the ability to identify a hazardous material event from basic clues, warning signs, placards, labels, and shipping papers;
37. Demonstrate a proper and safe response for a hazmat incident at an operational level;
38. Model the procedures to set up a decontamination corridor;
39. Demonstrate the proper operation of a gas cartridge and pumped portable fire extinguisher;
40. Practice tying the following knots: overhand bend, Becket bend, bowline, clove hitch, half sheepshank, bowline on bight, square knot, and figure eight;
41. Train how to make a barrel coil and load a drop bag;
42. Demonstrate how to use and maintain power saws used for ventilation operations;
43. Develop correct procedures for horizontal and vertical ventilation;
44. Practice the use of ropes and equipment in victim rescue;
45. Develop methods of firefighter self rescue; and
46. Simulate a shore-based aquatic rescue using generally accepted "reach" methods.

11. Course Content Outline: (Provides a comprehensive, sequential outline of the course content, including all major subject matter and the specific body of knowledge covered.)

I. Organization and Responsibility
A. Laws and Regulations
1. Government Organizations
2. Personnel Rules and Regulations
3. Retirement Systems, Compensation Laws
4. Agency Rules and Regulations
B. Personnel and Functions
1. Fire Department Functions
2. Duties of Personnel
3. Personal Development Programs
4. Obedience and Obligation to Duty
C. Professional Organizations
1. National, State, and Local Organizations
II. Cultural Diversity
A. Definitions
1. Culture
2. Cultures Within the Fire Service
3. Discrimination
4. Harassment
B. Laws and Regulations
1. Discrimination
2. Harassment
C. Impact of Attitudes and Behavior
D. Common Behaviors of a "Hostile" Work Environment
E. Verbal and Nonverbal Communications
F. Overcoming a Hostile Work Environment
III. Apparatus and Equipment Operation
A. Forcible Entry and Miscellaneous Tools
1. Cutting, Boring, and Sawing Tools
2. Battering, Carrying, Digging, Prying, and Striking Tools
3. Lighting Equipment
4. Ventilation Equipment
B. Lifting and Hoisting Equipment
1. Ropes, Knots, and Hitches
2. Lifting and Spreading Equipment
3. Hoisting and Pulling Equipment
C. Extinguishers and Proportioners
1. Pressure Type Extinguishers
2. Foam Generators
3. Water-Additive Proportioners
D. Hose, Nozzles, and Fittings
1. Coupling Hose
2. Roll, Fold, and Carry Hose
3. Nozzles, Valves, Fittings, and Other Devices
4. Siamese and Wye Lines
5. Extend and Reduce Lines
6. Load Hose on Apparatus
E. Hose Evolutions
1. Operate Hydrants
2. Lay Single Lines
3. Lay Multiple Lines
4. Connect Lines to Auxiliary Appliances
5. Master Stream Appliances

6. Operate Lines Above and Below Street Level
F. Ladders
1. Carry, Raise, and Lower Ladders
2. Climb and Work from Ladders
3. Ladders as Improvised Equipment
G. Building Equipment
1. Elevators
2. Fire Protection Systems
3. Fire Escape Systems
H. Rescue Tools and Equipment
1. Breathing Apparatus
2. Lifelines and Belts
3. Protective Clothing
IV. Water Supply
A. Hydraulics
1. Range of Fire Streams
2. Reaction of Fire Streams
V. Fire Control
A. Fire Behavior
1. Classes of Fire
2. Theory and Fundamentals of Combustion
3. Theory of Heat Transfer
4. Theory of Extinguishment
5. Fire Characteristics of Solids
6. Fire Characteristics of Flammable Liquids and Gases
7. Products of Combustion
8. Hazardous and Explosive Materials
a. First Responder Certificate
9. Effects of Extinguishing Agent Application
VI. Incident Command System
A. Principles and Features of ICS
1. Primary Management Functions
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4. Establishment and Transfer of Command
5. Organizational Flexibility
6. Unified Command
7. Span of Control
8. Common Terminology
9. Personnel Accountability
10. Integrated Communications
11. Resources Management
12. The Incident Action Plan
B. Organizational Overview
1. Terminology
2. Organizational Structure
3. Developing the Organization
4. Transfer of Command
C. Incident Facilities
1. ICS Facilities
2. Command Post
3. Staging Areas
4. Base

5. Camps
6. Helibase
7. Helispots
D. Incident Resources
1. Definition of Resources
2. Resources Options
3. Resource Status
E. Common Responsibilities
1. General Guidelines
2. Actions Prior to Departure
3. Check-In
4. Responsibilities
5. Incident Records
6. Communications Discipline
7. Demobilization
VII. Hazardous Materials - Operational Level
A. Introduction
1. Importance of Course
2. Ability to Identify Toxins
3. Protect Self on Fireground
4. Prevent Long-Term Ill Health Effects
B. Non-Structural Alarms
1. Gas Leaks
2. Landfills, Dumpsters, and Other Waste Disposal Sites
3. Electrical Fires
4. Public Highway
5. Rail
6. Aircraft
7. Waterways
C. Exposure and Response
1. Asphyxiants
2. Corrosives
3. Irritants
4. Sensitizers
5. Carcinogens
6. Mutagens
7. Teratogens
8. Absorptions
9. Inhalation
10. Ingestion
11. Categories of Biological Agents
12. Medical Surveillance
D. Recognition and Identification
1. Occupancy and Location
2. Placards, Labels, and Markings
3. Identifying Characteristics of Bulk Containers
4. Reference Books
5. Detection Devices
6. Senses
E. Basic Principles of Chemistry
1. States of Matter
2. Specific Gravity
3. Vapor Density

4. Chemical Reactions
5. Temperature
F. Personal Protective Equipment
1. Structural Firefighting Gear
2. Respiratory Equipment
3. Decontamination
4. Inspection and Storage
G. Scene Management
1. Incident Management System
2. Establishing Zones and Areas
3. Initial Actions
4. Sizing-Up/Establishing Command
5. Securing Scene/Isolating Hazard
6. Identifying the Hazard
7. Rescue and Evacuation
8. Staging and Resources
9. Ongoing Re-Evaluation
H. Pre-Incident Planning
1. Hazard Identification
2. Hazard Analysis and Risk Assessment
3. Analysis of Resources
4. Environment Considerations
VIII. Flammable Liquids and Gases
A. Introduction
1. Safety Issues
B. Characteristics of Flammable Gases/Liquids
1. Common Synonyms
2. Chemical Designation
3. Observable Characteristics
4. Label
5. NFPA Hazard Classification
6. Chemical Reactivity
7. Physical and Chemical Properties
C. Hazards of Flammable Gases/Liquids
1. Not Involved With Fire
2. Involved With Fire
D. Tactics - Not Involved With Fire
1. Precautions
2. Gas Leak in a Pipeline
3. Liquid in a Gas Unit - Pipe or Vessel
E. Tactics - Involved With Fire
1. Vessel
2. Flammable Gas Line or Flange
F. "BLEVE"
1. Identify
2. Actions
3. Case Study
4. Field Exercises
IX. Confined Space Awareness
A. Legal Factors in Confined Space
1. Introduction of CAL-OSHA Code
2. Definitions of Confined Space
B. Hazard Identification - Awareness Level

1. Atmospheric Hazards
2. Air Monitors
3. Physical and Engulfment Hazards
4. Lock-Out / Tag-Out Procedures
5. Entry Permits

C. Procedures and Techniques

1. Ventilation Equipment and Techniques
2. Respiratory Equipment and Techniques
3. Communications Equipment and Techniques
4. Entrant Retrieval Equipment

D. Confined Space Operational Overview

1. Scope of Operational Level
2. Review of Positions and Responsibilities

X. Wildland Fire Control Practices

A. Wildland Fire Control Safety

1. Terminology and Parts of Fire
2. Overview of Fire Behavior
3. Firefighting Safety
4. Wildland Firefighter Personal Protective Equipment
5. Fire Shelter
6. Emergency Procedures (Actions When Trapped)
7. Falling and Rolling Material; Dozer Safety
8. Aircraft Safety (Rotary and Fixed-Wing)
9. Wildland Fire Strategy
10. Mobile Attack
11. Progressive Hoselays and Basic Hydraulics
12. Use of Water / Mop-Up Patrol
13. Hand Tools
14. Handline Construction
15. Firing-Out Tools and Techniques
16. Field Applications

B. Wildland Firefighting Essentials

1. Overview of Mutual Aid System
2. Applicability of Incident Command System
3. Methods and Techniques of Safe Fire Suppression
4. Principles of Strategy and Tactics
5. Tactics and Methods of Structure Protection
6. Firefighter Survival Skills

C. Wildland Fire Behavior

1. Environmental Factors of Fire Behavior
2. Fire Suppression Methods
3. Fire Weather Factors in Fire Suppression
4. Life Threatening Situations in Wildfires

XI. Vehicle Extrication

A. Vehicle Extrication Incidents

1. Scene Size-Up
2. Assessing the Need for Extrication Activities
3. Vehicle Extrication Incident Safety Considerations

B. Stabilizing the Vehicle

1. Employment of Cribbing
2. Pneumatic and Mechanical Lifting Devices

C. Gaining Access to Victims

1. Supplemental Restraint Systems

2. Side Impact Protection Systems
3. Vehicle Construction "Anatomy"
D. Disentanglement and Patient Removal Techniques
1. Patient Care Considerations
2. Overview of Patient Handling
E. Tool Selection and Use
1. Use of Air Chisel
2. Use of Manual and Hydraulic Power Spreaders
3. Windshield Removal Techniques
4. Use of "Come-A-Long" Device
5. Hack-Saws, High-Lift Jacks and Improvised Tools
XII. Structural Live Fire Training
A. Safety Considerations During Course
1. Establishment of Command and Control
2. Safety Position(s) and Tasks
3. Use of Structural Personal Protective Clothing
4. Use of Self Contained Breathing Apparatus
B. Interior Structural Firefighting Techniques and Practices
1. Interior Hoseline Placement and Fire Stream Management
2. Interior Search and Rescue Techniques and Practices
3. Ventilation and Forcible Entry Practices
4. Experience Actual Interior Fire Conditions
XIII. Swift Water Awareness
A. Water Rescues
B. Equipment / Safety
C. Applications
D. Medical Emergencies
XIV. Haz Mat Decontamination
A. Principles
B. Incident Command System
C. Decontamination Corridor
D. Protective Clothing
E. Respiratory Protection
F. Medical considerations
XV. Low Angle Rope Rescue
A. Rope Rescue Equipment
B. Rescue Knots and Hitches
C. Anchor Systems
D. Rescuer and Ambulatory Victim Packaging
E. Types of Litters and Victim Packaging
F. System Attachments and Fall Restraint
G. Components of a Low Angle Rope Rescue System
H. Belay/Safety Line Systems
I. Descending and Ascending Techniques
J. Lower/ Raise (Mechanical Advantage) Systems
K. Load-releasing Methods
L. Rescue Scene Organization and Management
M. Litter Walkouts
N. Ladder Systems
XVI. Firefighter Survival
A. Developing a Survival Attitude
B. Preventing the Firefighter Emergency
C. The Firefighter Emergency

D. SCBA Emergencies
E. Survival Skills
1. SCBA Emergency Procedure Check
2. Calling "Mayday"
3. Reading Couplings
4. Window Hang
5. Hose Slide
6. Emergency Ladder Escape-Hook-two/Slide-to-four Method
7. Entanglement Emergencies
a. Swim or Sweep Method
b. SCBA Removal Method
8. Wall Breach
9. Changing Your SCBA Profile
a. Nonremoval Method
b. Low or Reduced Profile (Partial-removal Method)
c. Zero or No Profile (full-removal Method)
F. SCBA Confidence Course
G. SCBA Awareness

12. Typical Out-of-Class Assignments: (Credit courses **require** two hours of independent work outside of class for each lecture hour, less lab/activity classes. List type of assignments including library assignments.)

a. Reading Assignments: (Submit at least 2 examples.)

1. The students will read the assigned material on fire technology education and the firefighter selection process in the text. They will then develop a personal educational plan.
2. The students will read provided material on the proper procedures and processes for a response to an unknown hazardous material spill. They will break in to small groups, after which they will be provided with scenarios of hazardous materials spills. The groups will outline proper response procedures and present their plans to the class.

b. Writing, Problem Solving or Performance: (Submit at least 2 examples)

1. Given written scenarios, prepare a written response on how to manage a confined space rescue incident, applying information presented in class and from assigned text.
2. Working in groups using provided scenarios, solve problems related to fire suppression techniques in wildland incidents and present conclusions to the class.

c. Other (Term projects, research papers, porfolios, etc.)

13. Required Materials:

a. All textbooks, resources and other materials used in this course are college level?

- ☑ Yes
- ☐ No

b. Representative college-level textbooks (for degree applicable courses) or other print materials:

Book 1:

Author:	Delmar Thomson Learning
Title:	Firefighter's Handbook
Publisher:	Delmar Publisher
Date of Publication:	2009
Edition:	3rd

c. Other materials and/or supplies required of students:

14.Check all Instructional methods used to present course content:

- ☑ Lecture
- ☑ Discussion Semminar
- ☑ Lab
- ☑ Directed Study
- ☑ Activity
- ☐ Distance Education (requires supplemental form)
- ☐ Work Experience
- ☐ Tutoring

Other: Field Exercises / Practical Applications

Give detailed examples of teaching methodology that relate to the course performance objectives:

1. The instructor will facilitate classroom discussion on case studies of firefighter injuries and deaths during wildland operations and identify how these incidents can be avoided based on current safety guidelines.
2. The instructor will lecture on care and maintenance of ropes and demonstrate how to tie knots and hitches used in the fire service. Students will then practice tying the knots and hitches demonstrated.

15. Methods of Assessing Student Learning

15a. Methods of Evaluation:

- ☑ Essay Exam
- ☑ Objective Exam
- ☑ Projects
- ☑ Class Discussion
- ☑ Reports
- ☑ Problem Solving Exam
- ☑ Skill Demonstration
- ☐ Other

15b. (All courses must provide for measurement of student performance in terms of stated student performance objectives, Area 10, and culminate in a formal recorded grade based on uniform standards. Submit at least 2 examples.)

1. Objective - "Describe basic building construction techniques, terms and features": In a short essay describe how fire affects the four basic building materials in use today.
2. Objective - "Examine the basics of chemistry and physics of fire": In an essay define and provide an example of "stratification" as it applies to structural firefighting.
3. Objective - "Demonstrate advancing fire hose lines, both charged and uncharged": Given an uncharged hose line, and using identified techniques and safety guidelines, the fire crew shall demonstrate the proper procedure to advance an uncharged hose line over a ladder.
4. Objective - "Practice skills associated with ladders, such as pick ups, carries, raising, lowering, leg locks, tool handling, ascending and descending ladders, and use of roof ladders": Working in a team using identified techniques and safety guidelines, students will carry, position and raise a ladder using a flat raise.

SECTION C

1. Program Information:

- ☑ In an approved program
- ☐ Part of a new program
- ☐ Not part of an approved program

2. TOP Code Information

Program Title: Fire Academy 213350

3. Course SAM Code:

- ☐ A - Apprenticeship Course
- ☐ B - Advanced Occupational
- ☑ C - Clearly Occupational
- ☐ D - Possibly Occupational
- ☐ E - Non-Occupational

4. Faculty Minimum Qualifications/Degrees:

Fire Technology

Comments:

SECTION D

General Education Information:

1. College Associate Degree GE Applicability:

2. CSU GE Applicability:

3. IGETC Applicability:

4. CAN :

5. LDTP:

SECTION E

1. Articulation Information: (Required for Transferable Courses Only)

- ☐ CSU Transferable
- ☐ UC Transferable
- ☐ CSU/UC Major Requirement.

If CSU/UC major requirement, list campus and major. (Note: Must be lower division)

2. List at least one community college and its comparable course. If requesting CSU and/or UC transferability also list a CSU/UC campus and comparable lower division course

SECTION F

Planning and Resources: Please address the areas below:

1. Evidence of Need or Potential: recommendations of advisory committee, connection to existing or planned degrees/certificates, or regional/national developments, transfer university requirements.

This course was recommended by the advisory committee and is degree applicable. This course leads to eventual certification as a Firefighter I by the State Fire Marshal.

2. Appropriateness to Mission: connection to basic skills, transfer, career technical education, or lifelong learning; relationship

This is a career technical education course and is required as minimum training by most California fire agencies.

3. Place in Program/Department: relationship to student learning outcomes identified by program, connection to general education, or articulation with other institutions.

This course is transferable to other community colleges.

4. Availability of Faculty and Facilities: minimum qualifications to teach course, special training for instructors, or long-term physical impact of course.

Refer to Section C for information regarding minimum qualifications. No long term physical impact.

5. Potential Impact on Resources: impact on library, computer support, transportation, equipment, or other needs

Minimal impact on resources.

SECTION G

1. Maximum Class Size (recommended): 37

2. If recommended class size is not standard, then provide rationale:

Sierra College Regional Fire Academy
Spring 2014
H.O.T. Schedule

58	Apr. 10	Thur	EMT / CPR	2.5	NONE			Trauma Skills Scenarios	
59	Apr. 12	Sat	2.3 SCBA 5.5 Hose & 5.7 Ladders	9	Hose Loads Preconnects		5.7-5 ladder carries and throws 5.7-11 salvage equip. up ladder	PPE/SCBA - 60 second drills	Staff
60	Apr. 13	Sun	EMT / CPR 5.9 Rescue	9	NONE		NONE	Skills Scenarios MCI Rescued FF	
62	Apr. 17	Thur	Oral Boards	4.5	NONE			Oral Boards	Staff
63	Apr. 18	Fri	5.1 Building Construction	1.5	NONE			Building Construction	
64	Apr. 19	Sat	6.1 Structural FF Survival	4	NONE		NONE	Emergency Communications Identifing a Safe Haven Guide Line / Hose for Evacuation Emergency Evacuation for FF's	
65	Apr. 20	Sun	6.1 Structural FF Survival	8	NONE		NONE	Emergency Communications Identifing a Safe Haven Guide Line / Hose for Evacuation Emergency Evacuation for FF's	
66	Apr. 22	Tues	8.1 Wildland Response 8.2 Wildland PPE	3	NONE		NONE	Wildland PPE don & doff Deploy Shelter - 3 methods	
68	Apr. 25	Fri	8.3 Wildland Tools & Equ. 8.8 Reinforcing a Fire Line	2.5	NONE		NONE	Back Pump use and maintenance Wildland Tool maintenance Use of basic ignition devices	
70	Apr. 27	Sun	8.7 Wildland Fire Suppression	4	NONE		NONE	Wildland tool use Construct Handline	
72	May 1.	Thur	8.9 Urban Inerface 8.10 Wildland Mop-up Ops 8.11 Conducting Patrols	2.5	NONE		NONE	Mop up tools Prepare a structure for Defense	
73	May 3.	Sat	8.7 Wildland Fire Suppression	9	NONE		NONE	Mobile Attack Progressive Hoselay Retrieving Hose	
74	May 4.	Sun	8.5 Wildland Fire Safety	3	NONE		NONE	Wildland Fire Safety Flagging	
75	May 6.	Tues	Fire Ground Skills Review	4.5	Skills Review				Staff
76	May 8.	Thur	Fire Ground Skills Review	4.5	Skills Review				Staff
77	May 10.	Sat	Final Exam - Maniulative	9	Final Exam - Manipulative				Staff
78	May 11.	Sun	Final Exam - Maniulative	9	Final Exam - Manipulative				Staff
79	May 13.	Tues	Final Exam - Maniulative	4.5	Final Exam - Manipulative				Staff
80	May 15.	Thur	Final Exam - Maniulative	4.5	Final Exam - Manipulative				Staff
82	May 17.	Sat	Final Exam - Maniulative	4.5	Final Exam - Manipulative or Fire Control III				Staff
83	May 22.	Thur	Graduation / Skill Practice	4.5	Graduation / Skills Practice				Staff

Appendix-C

FIRE FIGHTER I CERTIFICATION EXAMINATION REQUEST

All requests must be received 6 weeks prior to the class start date.

By submitting this request, Lead Evaluators and sponsoring agencies agree to comply with all published State Fire Training policies and procedures.

Email: SFT.CourseScheduler@fire.ca.gov * Phone: (916) 324-6359.

Today's Date:	Course: **FIRE FIGHTER I Certification Examination**		
Skills Test	Start Date: 5-10-14	End Date: 5-17-14	Class Code:
Written Test	Start Date: 5-7-14	End Date: 5-23-14	Class Code:
*Must be offered at an accredited ARTP/ALA facility		Advertise In Class Schedule: ☒ Yes (mandatory)	Facility City: ROSEVILLE
Hosting Agency: SIERRA COLLEGE		Training Facility: SIERRA College	Facility Phone Number: 916-781-6212
Contact Name: Tim Palmer		Contact's Phone Number: 916-781-6212	
Contact's Email Address or Website: TPalmer8@sierracollege.edu		Registered Lead Evaluator(s): MARK ROMER (SEE ATTACHED)	Instructor ID#:
Evaluator's Email: chiefromer@yahoo.com		Evaluator's Phone Number: 916-316-6415	
Estimated Number of Students: 33		*A listing of Qualified Skills Evaluators shall be provided on Page 2	

SHIPPING INFORMATION:	BILLING INFORMATION:
Ship To Agency:	Bill To Agency:
Attn: N/A	Attn: N/A
Street Address (No PO Box):	Address:
City/State/Zip:	City/State/Zip:

FOR STATE FIRE TRAINING USE ONLY

Date Shipped:	Date Returned:	☐ MRT #: (CAL FIRE Only)		
Registration and Materials		**Unit Price**	**Quantity**	**Total Price**
FF I Examination Registration ..... (59210-142500-20)		$10.00		$
		$		$
			Shipping/Handling Charges:	$ 8.00
revised: March 2014			TOTAL DUE:	$

DO NOT PAY - THIS IS NOT A BILL

Return all class materials to SFT Bookstore, 1131 S Street, Sacramento, 95811 within 15 days of the class end date using a carrier that can track your shipment.

Lead/Skills Evaluator Training

SKILLS EVALUATOR		LEAD EVALUATOR	
Minimum Quals: Evaluator Training Course SFT Ethical Leadership Course Code of Conduct Signed on File Instructor 1A & 1B	Meets	All Minimum Quals plus Approve SFT Instructor	Meets
Baldwin, David	X	Baldwin, David	X
Buttron, Mark	X	Buttron, Mark	X
Bryla, Jim	X	Palmer, Tim	X
Jewett, Matt		Ray, David	X
Lopez, Phillip		Romer, Mark	X
MacDonald, Sean	X	Sunde, Josh	X
Mason, Patrick	X	Bryla, Jim	X
Menth, Nathan		Mason, Patrick	X
Midtlying, Brian	X	MacDonald, Sean	X
Morra, Dean		Midtlying, Brian	X
Palmer, John			
Palmer, Tim	X		
Ray, David	X		
Sandholdt, Patrick			
Sunda, Josh	X		
Taylor, Art			
Vestal, Jason			

DEPARTMENT OF FORESTRY AND FIRE PROTECTION
Office of State Fire Marshal
State Fire Training

SIERRA COLLEGE - FIREFIGHTER I SKILLS TESTING SUMMARY

Attention: **Mark Romer**, Lead Evaluator Date: 5/10/2014

Candidate Name: _____ Class Code #: C13-1064

	STATE REQUIRED FIREFIGHTER I SKILLS	First Test		Retest	
		P	F	P	F
*2-2.1	Don, doff, and prepare structural personal protective equipment for reuse				
*2-3.1	Don and doff SCBA				
*5-4.1	Perform forward hose lay				
*5-7.1	Lift, carry, and raise an extension ladder using high shoulder—single fire fighter (20 or 24 foot extension)				
*5-10.1	Structure fire attack – interior grade level, above, or below				
	STATE RANDOM FIREFIGHTER I SKILLS - (5)	First Test		Retest	
		P	F	P	F
*2-3.4	Replace air cylinder				
*4-1.2	Hoist tools				
*5-9.2	Rescue a fire fighter				
*5-10.3	Operate a charged 1 ½-inch or larger handline while secured to a ground ladder				
*5-13.1	Perform salvage of room and contents				
	STATE REQUIRED WILDLAND SKILLS	First Test		Retest	
		P	F	P	F
*8-2.1	Don and doff wildland personal protective equipment				
*8-2.2	Deploy fire shelter lying down method				
*8-5.1	Assume the safe position for an airtanker drop				
*8-7.1	Perform progressive hoselay – two person 500 feet				
	STATE RANDOM WILDLAND SKILLS - (4)	First Test		Retest	
		P	F	P	F
*8-3.2	Assemble and use a back pump				
*8-7.2	Use handtools to construct fireline				
*8-9.1	Prep and defend a structure in the wildland urban interface				
*8-11.1	Demonstrate patrol principles, techniques, and standards				
	STATE REQUIRED HAZARDOUS MATERIALS SKILLS	First Test		Retest	
		P	F	P	F
*9-1.1	Identify hazardous materials, their potential hazards and appropriate personal protective equipment.				

DEPARTMENT OF FORESTRY AND FIRE PROTECTION
Office of State Fire Marshal
State Fire Training

STATE RANDOM HAZARDOUS MATERIALS SKILLS - (2)		First Test		Retest	
		P	F	P	F
*9-3.1	Perform emergency decontamination				
*9-4.1	Perform control, containment, and confinement operations in the event of a hazardous materials incident				

Evaluator Comments:

Candidate Comments:

Lead Evaluator _____ Date _____ Candidate _____ Date _____

Any questions concerning the Certification Examination process can be directed to your Lead Evaluator. Written/Skills Examination scheduling changes can be directed to SFT contact Brandon Erickson at: Brandon.Erickson@fire.ca.gov or (916) 445-8132.

[April, 2014]

DEPARTMENT OF FORESTRY AND FIRE PROTECTION
OFFICE OF THE STATE FIRE MARSHAL
P.O. Box 944246
SACRAMENTO, CA 94244-2460
Website: www.fire.ca.gov

April 23, 2014

Sierra College
Tim Palmer
5000 Rocklin Rd.
Rocklin, CA 95677

APPROVAL

Approval has been granted for the class listed below, contingent on the following:

1. Either the billing agency or instructor having no 60 day past due invoices or unreturned class materials prior to the shipping date.
2. If, at the time of shipping either the billing agency or instructor have 60 day past due invoices and/or unreturned materials, hosting/teaching privileges will be temporarily suspended. Dates of this class will need to be rescheduled after all accounts are current.

Fire Fighter I Certification Skills Examination
Class Code: C131064
05/10/2014 through 05/17/2014
Primary Instructor: ROMER, MARK
Number of Students Approved: 35
Maximum Number of Students Allowed: 50

SHIPPING

The aforementioned approval is based on the dates and number of students you requested. Provided that you are in good standing, your class materials will ship approximately three weeks prior to the start date. If you have not received them by then, immediately contact the Bookstore at (916) 445-8158, so that the shipment can be tracked.

CLASS CHANGES/CANCELLATIONS

Class changes or class cancellations must be emailed to: SFT.CourseScheduler@fire.ca.gov

Please include the class code number that is listed on this approval letter in addition to the old class information (i.e. dates, instructor, location) as well as the new changes that need to be applied. If a class is cancelled after State Fire Training has shipped the materials, immediately return the entire shipment to the Bookstore using a carrier that can track your shipment.

DEPARTMENT OF FORESTRY AND FIRE PROTECTION
OFFICE OF THE STATE FIRE MARSHAL
P.O. Box 944246
SACRAMENTO, CA 94244-2460
Website: www.fire.ca.gov

April 23, 2014

Sierra College
Tim Palmer
5000 Rocklin Rd.
Rocklin, CA 95677

APPROVAL

Approval has been granted for the class listed below, contingent on the following:

1. Either the billing agency or instructor having no 60 day past due invoices or unreturned class materials prior to the shipping date.
2. If, at the time of shipping either the billing agency or instructor have 60 day past due invoices and/or unreturned materials, hosting/teaching privileges will be temporarily suspended. Dates of this class will need to be rescheduled after all accounts are current.

Fire Fighter I Certification Written Examination
Class Code: C131065
05/07/2014 through 05/23/2014
Primary Instructor: ROMER, MARK
Number of Students Approved: 35
Maximum Number of Students Allowed: 40

SHIPPING

The aforementioned approval is based on the dates and number of students you requested. Provided that you are in good standing, your class materials will ship approximately three weeks prior to the start date. If you have not received them by then, immediately contact the Bookstore at (916) 445-8158, so that the shipment can be tracked.

CLASS CHANGES/CANCELLATIONS

Class changes or class cancellations must be emailed to: SFT.CourseScheduler@fire.ca.gov

Please include the class code number that is listed on this approval letter in addition to the old class information (i.e. dates, instructor, location) as well as the new changes that need to be applied. If a class is cancelled after State Fire Training has shipped the materials, immediately return the entire shipment to the Bookstore using a carrier that can track your shipment.

Appendix-D

Sierra College Regional Fire Academy

Class 14-1
FF I
Psychomotor Skills Testing

Incident Action Plan

May 10-17, 2014

INCIDENT OBJECTIVES ICS 202

1. INCIDENT NAME	2. DATE PREPARED	3. TIME PREPARED
SCRFA Hands On Final	**4/29/2014**	**0800 hours**

4. OPERATIONAL PERIOD (DATE/TIME)

May 10, 2014, 0800 hours through May 17, 2014, 1800 hours

5. GENERAL CONTROL OBJECTIVES FOR THE INCIDENT (INCLUDE ALTERNATIVES)

- Provide for candidate safety at all times while ensuring an effective evaluation environment.
- Complete all final hands on testing for Firefighter I curriculum as required by California State Fire Training.
- Evaluations supervised by subject matter experts in a fair and unbiased manner.
- Provide candidates secure-quiet waiting area during testing.
- Test ground accountability maintained by Staging Officer in student waiting area.
- Good coordination with all test stations/evaluators and Staging Officer in student waiting area.
- Candidates moved on testing grounds by escort to and from specific test locations.
- All test materials and test results to be maintained in secure manner by evaluators.
- Completed evaluation forms to be given to IC at end of evaluations.
- Candidates failing first attempt of a skill evaluation shall be given instructions on retesting by IC or Operations Chief as soon as possible. Retesting of a skill shall occur at the end of skill evaluation day after all other candidates have been evaluated.
- A second failure of testing in any skill evaluation shall result in student's failure of that skill. Candidate / student will be escorted off testing grounds and will need to schedule through State Fire Training at a later date.

6. WEATHER FORECAST FOR OPERATIONAL PERIOD

- Sunny and Clear

7. GENERAL SAFETY MESSAGE

- Hydrate and eat.
- Doff PPE when it is not needed…stay cool.
- Report any injuries immediately – no matter how small.
- Be sure information is fully understood…ask questions…seek clarity!
- Inspect safety equipment each rotation.
- Maintain accountability

8. ATTACHMENTS (√ IF ATTACHED)

☒ ORGANIZATION LIST (ICS 203)	☒ MEDICAL PLAN (ICS 206)	☒ Staging Area Worksheet
☒ ASSIGNMENT LIST (ICS 204)	☒ Organization Chart (ICS 207)	☐ _____
☐ COMMUNICATIONS PLAN (ICS 205)	☒ INCIDENT MAP	☐ _____

9. PREPARED BY (PLANNING SECTION CHIEF)	10. APPROVED BY (INCIDENT COMMANDER)
John Palmer	Mark Romer

ORGANIZATION ASSIGNMENT LIST ICS 203

1. INCIDENT NAME	2. DATE PREPARED	3. TIME PREPARED
SCRFA Hands On Final	4/29/2014	0800 hours

4. OPERATIONAL PERIOD (DATE/TIME)
May 10, 2014, 0800 hours through May 17, 2014, 1800 hours

5. INCIDENT COMMANDER AND STAFF

INCIDENT COMMANDER	Mark Romer
DEPUTY	
SAFETY OFFICER	
INFORMATION OFFICER	
LIAISON OFFICER	Tim Palmer

6. AGENCY REPRESENTATIVES

AGENCY	NAME
CSFT	Ken Wagner
CSFT	Jim Eastman
Sierra Col.	Tim Palmer

7. PLANNING SECTION

CHIEF	John Palmer
DEPUTY	
RESOURCES UNIT	John Palmer
SITUATION UNIT	
DOCUMENTATION UNIT	John Palmer
DEMOBILIZATION UNIT	
TECHNICAL SPECIALISTS	

8. LOGISTICS SECTION

CHIEF	Dean Morra
DEPUTY	
a. SUPPORT BRANCH	
DIRECTOR	
SUPPLY UNIT	
FACILITIES UNIT	
GROUND SUPPORT UNIT	
b. SERVICE BRANCH	
DIRECTOR	
COMMUNICATIONS UNIT	
MEDICAL UNIT	
FOOD UNIT	

9. OPERATIONS SECTION

CHIEF		John Palmer
DEPUTY		
a. BRANCH I- May 10, 2014		
BRANCH DIRECTOR		
DEPUTY		
DIVISION/GROUP	Test 5	J. Sunde
DIVISION/GROUP	Test 9	B. Midtlyng
DIVISION/GROUP	Test 10	M. Buttron
DIVISION/GROUP	Test 14	M. Jewett
DIVISION/GROUP	Test 20	D. Baldwin
b. BRANCH II– May 11, 2014		
BRANCH DIRECTOR		
DEPUTY		
DIVISION/GROUP	Test 15	J. Sunde & M. Buttron
DIVISION/GROUP	Test 16	D. Ray
DIVISION/GROUP	Test 17	D. Baldwin
DIVISION/GROUP	Test 21	M. Jewett
DIVISION/GROUP		
c. BRANCH III- May 13, 2014		
BRANCH DIRECTOR		
DEPUTY		
DIVISION/GROUP	Test 1, 2, & 3	N. Menth
DIVISION/GROUP	Test 4	M. Jewett
DIVISION/GROUP	Test 6	D. Morra
DIVISION/GROUP	Test 19	D. Baldwin
DIVISION/GROUP		
AIR OPERATIONS BR. DIR.		
AIR TACTICAL GROUP SUP.		
AIR SUPPORT GROUP SUP.		
HELICOPTER COORDINATOR		
AIR TANKER/FIXED WING CRD.		

10 FINANCE/ADMINISTRATION SECTION

CHIEF	
DEPUTY	
TIME UNIT	
PROCUREMENT UNIT	
COMPENSATION/CLAIMS UNIT	
COST UNIT	

PREPARED BY (RESOURCES UNIT)
John Palmer

ORGANIZATION ASSIGNMENT LIST ICS 203 continued	1. INCIDENT NAME SCRFA Hands On Final	2. DATE PREPARED 4/29/2014	3. TIME PREPARED 0800 hours

4. OPERATIONAL PERIOD (DATE/TIME)
May 10, 2014, 0800 hours through May 17, 2014, 1800 hours

5. INCIDENT COMMANDER AND STAFF

IC – Lead Evaluator	Mark Romer
DEPUTY	
SAFETY OFFICER	
INFORMATION OFFICER	
LIAISON OFFICER	Tim Palmer

6. AGENCY REPRESENTATIVES

AGENCY	NAME
CSFT	Ken Wagner
CSFT	Jim Eastman
Sierra Col.	Tim Palmer

7. PLANNING SECTION

CHIEF	John Palmer
DEPUTY	
RESOURCES UNIT	
SITUATION UNIT	
DOCUMENTATION UNIT	
DEMOBILIZATION UNIT	
TECHNICAL SPECIALISTS	

8. LOGISTICS SECTION

CHIEF	
DEPUTY	
a. SUPPORT BRANCH	
DIRECTOR	
SUPPLY UNIT	
FACILITIES UNIT	
GROUND SUPPORT UNIT	
b. SERVICE BRANCH	
DIRECTOR	
COMMUNICATIONS UNIT	
MEDICAL UNIT	
FOOD UNIT	

9. OPERATIONS SECTION

CHIEF		John Palmer
DEPUTY		
a. BRANCH IV- May 15, 2014		
BRANCH DIRECTOR		
DEPUTY		
DIVISION/GROUP	Test 11	N. Menth
DIVISION/GROUP	Test 12	D. Morra
DIVISION/GROUP	Test 13	M. Jewett
DIVISION/GROUP	Test 18	O. Clemens
DIVISION/GROUP		
b. BRANCH V– May 17, 2014		
BRANCH DIRECTOR		
DEPUTY		
DIVISION/GROUP	Test 7	A. Taylor
DIVISION/GROUP	Test 8	M. Buttron
DIVISION/GROUP	Make up tests	M. Jewett
DIVISION/GROUP		
DIVISION/GROUP		
c. BRANCH VI		
BRANCH DIRECTOR		
DEPUTY		
DIVISION/GROUP		
DIVISION/GROUP		
DIVISION/GROUP		
DIVISION/GROUP		
DIVISION/GROUP		
AIR OPERATIONS BR. DIR.		
AIR TACTICAL GROUP SUP.		
AIR SUPPORT GROUP SUP.		
HELICOPTER COORDINATOR		
AIR TANKER/FIXED WING CRD.		

10 FINANCE/ADMINISTRATION SECTION

CHIEF	
DEPUTY	
TIME UNIT	
PROCUREMENT UNIT	
COMPENSATION/CLAIMS UNIT	
COST UNIT	

PREPARED BY (RESOURCES UNIT)
John Palmer

DIVISION ASSIGNMENT LIST ICS 204	1. Branch Branch 1	2. Division/Group Staging
3. Incident Name SCRFA Hands On Final	4. Operational Period Date: 5/10-17/2014 Time: 0800-1800	

5. Operations Personnel

Operations Chief	John Palmer	Division/Group Supervisor	John Palmer
Branch Director		Air Attack Supervisor No.	

6. Resources Assigned this Period

Strike Team/Task Force/ Resource Designator	Leader	Number Persons	Trans. Needed	Drop Off PT./Time	Pick Up PT./Time

7. Control Operations

- Ensure all candidates have appropriate PPE laid out prior to the start of each test day
- Will maintain accountability of candidates waiting to be tested
- Will dispatch candidates to skills evaluator as requested (face to face at Rehab)
- Will maintain documentation on where candidates are on test grounds at all times
- Collect all completed skills evaluation sheets from skills instructors

8. Special Instructions

- Ensure candidates stay hydrated.
- Ensure candidates do not discuss skills evaluations during skills testing week
- Encourage candidates to study on their own during skills testing week

9. Division/Group Communication Summary

Function	Frequency	System	Channel	Function	Frequency	System	Channel
Command				Logistics			
Tactical Div/Group				Air to Ground			

Prepared by (Resource Unit Leader)	Approved by (Planning Section Chief)	Date	Time
John Palmer	John Palmer	4/29/2014	0900

DIVISION ASSIGNMENT LIST ICS 204	1. Branch Branch 1	2. Division/Group Skill Number
3. Incident Name SCRFA Hands On Final	4. Operational Period Date: 5/10-17/2014 Time: 0800-1800	

5. Operations Personnel

Operations Chief	John Palmer	Division/Group Supervisor	Skills Evaluator
Branch Director		Air Attack Supervisor No.	

6. Resources Assigned this Period

Strike Team/Task Force/ Resource Designator	Leader	Number Persons	Trans. Needed	Drop Off PT./Time	Pick Up PT./Time
Volunteers					

7. Control Operations

- Skills evaluator to provide escort for candidates to and from staging in the main classroom
- Skills evaluator to ensure candidate has proper safety gear prior to beginning of evaluation
- Skills evaluator to read candidate examination information to candidate
- Skills evaluator to complete candidate rating sheet for each candidate evaluated
- Skills evaluator to return all completed candidate rating sheets to staging officer
- If a candidate fails an evaluation, they shall notify Ops
- Skills evaluator shall provide supervision of all assistants and volunteers

8. Special Instructions

- Skills evaluator to maintain test confidentiality
- A skills retest shall be completed at the end of the evaluation day by another evaluator and with the IC / lead evaluator present during the evaluation
- Evaluators and assistants shall not coach / teach candidates during the examination week
- Candidates that fail a second attempt to complete a skill evaluation shall be dismissed from the drill grounds
- Report all medical or safety problems to the IC

9. Division/Group Communication Summary

Function	Frequency	System	Channel	Function	Frequency	System	Channel
Command				Logistics			
Tactical Div/Group				Air to Ground			

Prepared by (Resource Unit Leader)	Approved by (Planning Section Chief)	Date	Time
John Palmer	John Palmer	4/29/2014	0900

MEDICAL PLAN ICS-206	1. INCIDENT NAME	2. DATE PREPARED	3. TIME PREPARED	4. OPERATIONAL PERIOD
	SCRFA Hands On Final	4/29/2014	1600	May 10- 17, 2014 0800-1800

5. INCIDENT MEDICAL AID STATIONS

MEDICAL AID STATIONS	LOCATION	PARAMEDICS	
		YES	NO
	ICP		X

6. TRANSPORTATION

A. AMBULANCE SERVICES

NAME	ADDRESS	PHONE	PARAMEDICS	
			YES	NO
AMR	N/A	Radio or 911	✓	
Roseville FD	N/A	Radio or 911	✓	

B. INCIDENT AMBULANCES

NAME	LOCATION	PARAMEDICS	
		YES	NO
NONE	N/A		

7. HOSPITALS

NAME	ADDRESS	TRAVEL TIME		PHONE	HELIPAD		BURN CENTER	
		AIR	GRND		YES	NO	YES	NO
Sutter Roseville	Roseville	2 min	10 min	Radio	X			X
UC Davis	2315 Stockton Blvd	10 Min	25 min		X		X	

8. MEDICAL EMERGENCY PROCEDURES

All injuries regardless of nature and/or severity will be reported to the incident Safety Officer or IC. The incident will be documented by the Safety Officer. If treatment is warranted, the Incident Commander will be notified for coordination and documentation/notification. The incident will be shut down for any serious injury.

9. PREPARED BY (OPERATIONS)	10. REVIEWED BY (IC)
John Palmer	Mark Romer

ORGANIZATION ICS-207	1. INCIDENT NAME	2. DATE PREPARED	3. TIME PREPARED	4. OPERATIONAL PERIOD
	SCRFA Hands On Final	4/29/2014	0800 hours	May 10- 17, 2014 0800- 1800

Incident Command
Mark Romer

Safety
Mark Romer

Liaison
Tim Palmer

Operations
John Palmer

Staging

Division Name Is Test Number	May 10: Test 5 Skills Evaluator May 11: Test 15 Skills Evaluator May 13: Test 1, 2, & 3 Skills Evaluator May 15: Test 11 Skills Evaluator May 17: Test 7 Skills Evaluator
Division Name Is Test Number	May 10: Test 9 Skills Evaluator May 11: Test 16 Skills Evaluator May 13: Test 4 Skills Evaluator May 15: Test 12 Skills Evaluator May 17: Test 8 Skills Evaluator
Division Name Is Test Number	May 10: Test10 Skills Evaluator May 11: Test 17 Skills Evaluator May 13: Test 6 Skills Evaluator May 15: Test 13 Skills Evaluator May 17: Make up Skills Evaluator
Division Name Is Test Number	May 10: Test 14 Skills Evaluator May 11: Test 21 Skills Evaluator May 13: Test 19 Skills Evaluator May 15: Test 18 Skills Evaluator May 17:
Division Name Is Test Number	May 10: Test 20 Skills Evaluator May 11: May 13: May 15: May 17:
Division Name Is Test Number	May 10: May 11: May 13: May 15: May 17:

SAFETY PLAN ICS-208	1. INCIDENT NAME	2. DATE PREPARED	3. TIME PREPARED	4. OPERATIONAL PERIOD
	SCRFA Hands On Final	4/29/2014	0800 hours	May 10- 17, 2014 0800- 1800

THE INCIDENT COMMANDER AND/OR SAFETY OFFICER WILL ENSURE THE FOLLOWING:

1. **Briefing Session:**

- Safety is the first priority.
- A briefing shall be conducted prior to hands on testing.
- Report any and all injuries to the Safety Officer or IC.
- All candidates must be in full PPE with SCBA unless instructed otherwise by an evaluator or Staging Officer.
- Test ground accountability will be maintained at all times by the Staging Officer.
- Assignments and responsibilities shall be clearly explained to all candidates.
- No unnecessary materials or equipment are to be moved by candidates from staging area to evaluation site locations.
- All skill evaluation sites to be set up completely before student is escorted to site.

2. **PPE, SCBA, & Safety Equipment Inspection:**

- All personnel and candidates will inspect their PPE and SCBA prior to testing.
- All PPE and SCBA will be maintained throughout the evaluation process.
- All personnel and candidates will wear appropriate PPE and SCBA for conditions commensurate for the evaluation station.
- Damaged safety gear will be reported immediately to the Safety Officer or IC.
- Class "B" pants may be shed for gym shorts per the heat policy if weather conditions dictate.
- All safety equipment at evaluation/test sites will be inspected by the lead evaluator and safety officer prior to testing.

SAFETY PLAN ICS-208	1. INCIDENT NAME SCRFA Hands On Final	2. DATE PREPARED 5/14/14	3. TIME PREPARED 0800 hours	4. OPERATIONAL PERIOD May 10- 17, 2014 0800- 1800

3. **Position Responsibilities:**

- **Incident Command (IC) / Lead Evaluator**
  - Oversees Evaluation Ground Operations
  - Has ultimate authority to stop operations at any time.
  - Approves IAP
  - Scene safety
  - Monitor activities to ensure safety
  - Briefs evaluators on responsibilities
  - Informs candidate / students of test/evaluation retake rules and timelines in the event of a failure.
  - Oversees evaluation of a hands-on retest examination.

- **Safety Officer**
  - Reports directly to the IC
  - If not appointed, responsibilities assumed by IC
  - The safety officer is responsible for the prevention of unsafe and elimination of unsafe conditions.
  - The safety officer shall have the authority to intervene in any aspect of the operations to prevent accidents, unsafe acts, or conditions from occurring.
  - The safety officer shall provide for the safety of all personnel on scene. All unauthorized personnel shall be denied from entering testing areas.

- **Liaison Officer**
  - Reports directly to the IC
  - Assists IC with interagency needs/requests.
  - Maintains position in command post.

- **Operations Chief (Ops)**
  - Reports directly to the IC
  - Oversees all Division/Group Supervisors and Staging Officer.
  - Responsible for safety.
  - Informs candidate / students of test retake rules and timelines in the event of a failure.
  - Responsible to collect all test results from division/group supervisors.

- **Staging Officer**
  - Reports directly to the Operations Chief (Ops)
  - Responsible for the oversight of candidates not being tested.
  - Responsible to dispatch candidates with appropriate PPE to correct test/evaluation site location.
  - Responsible to ensure candidates have escort to test/evaluation site.
  - Allow candidates to check PPE upon returning to Staging Area.
  - Responsible for safety in the staging area.

SAFETY PLAN ICS-208	1. INCIDENT NAME	2. DATE PREPARED	3. TIME PREPARED	4. OPERATIONAL PERIOD
	SCRFA Hands On Final	4/29/2014	0800 hours	May 10- 17, 2014 0800- 1800

- **Division/Group Supervisor (Skills Evaluator)**
  - Reports directly to the Operations Chief (Ops).
  - Responsible for safety within their assigned test/evaluation area.
  - The Division/Group Supervisor shall perform the duties of evaluating hands on testing of candidates at an assigned location in a fair and impartial manner.
  - The Division/Group Supervisor is responsible for safety and accountability of all personnel at their test location.
  - The Division/Group Supervisor is responsible to ensure candidate is returned to the staging area directly at the conclusion of testing with an escort.
  - The Division/Group Supervisor shall notify Ops anytime a candidate is unable to complete hands on skills evaluation unsuccessfully.
  - The Division/Group Supervisor will notify the IC anytime a retest is to be administered.

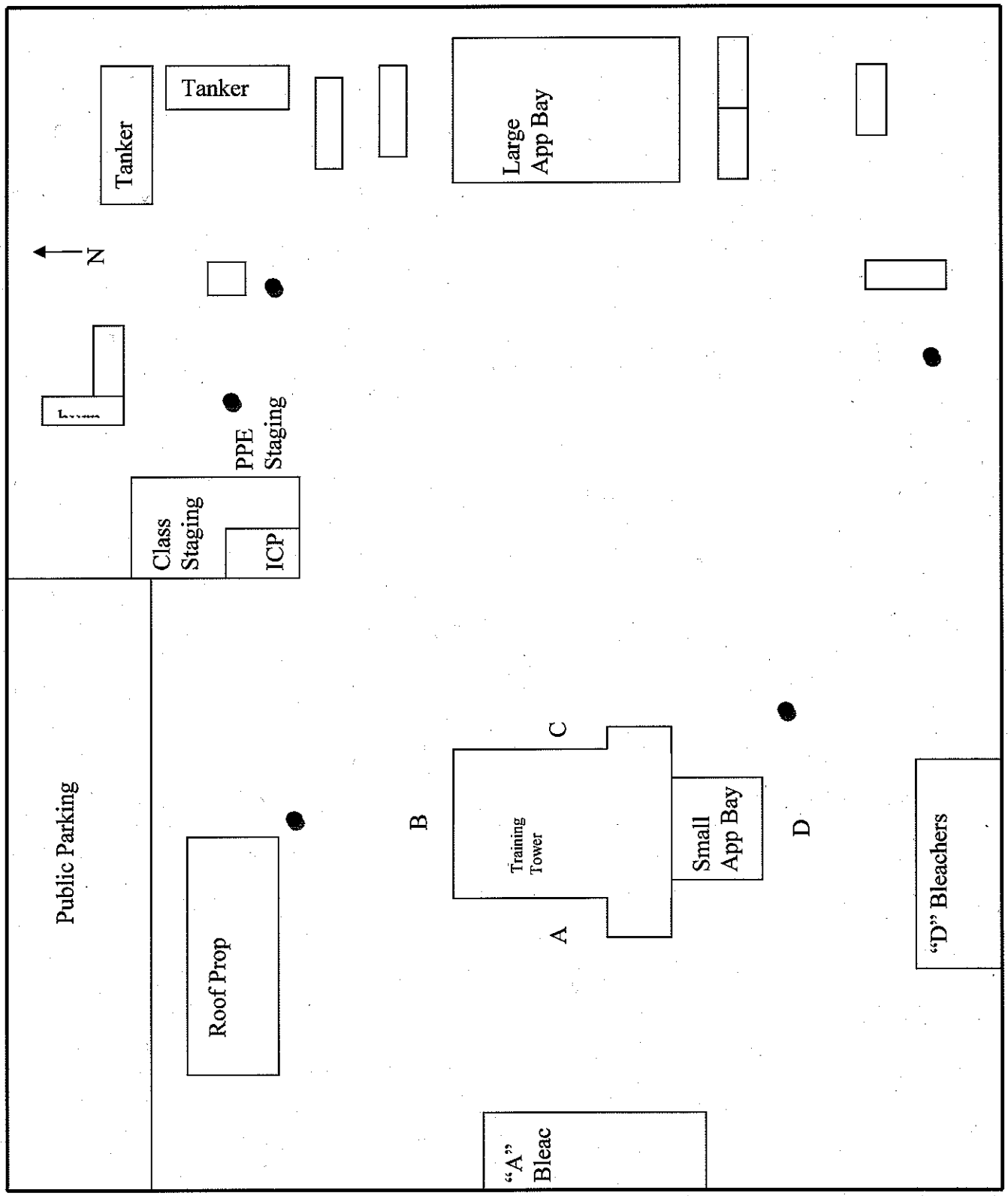
Summary: The time has come to celebrate knowledge. During this semester, Sierra College Regional Academy Class 14-1 has prepared for the job of firefighter. All have participated in both the didactic and hands on skills necessary to attain careers. Now is the time to prove they have what it takes to be successful during their career. During the evaluations process, candidates will *SAFELY* demonstrate they have mastered the prerequisite hands on skills as identified by California State Fire Training.

Instructors will ensure instruction is clear and precise and that evaluation is fair and impartial.

Good luck and best wishes,

Incident Commander
Mark Romer

Site Map	1. INCIDENT NAME	2. DATE PREPARED	3. TIME PREPARED	4. OPERATIONAL PERIOD
	SCRFA Hands On Final	4/29/2014	0800 hours	May 10- 17, 2014 0800- 1800



Staging Area Worksheet	1. INCIDENT NAME	2. DATE PREPARED	3. TIME PREPARED	4. OPERATIONAL PERIOD
	SCRFA Hands On Final	4/29/2014	0800 hours	May 10- 17, 2014 0800- 1800

Test Number	**1** May 13	**2** May 13	**3** May 13	**4** May 13	**5** May 10	**6** May 13	**7** May 17	**8** May 17	**9** May 10	**10** May 10	**11** May 15	**12** May 15	**13** May 15	**14** May 10	**15** May 11
Company 1															
Brothers, Nicholas															
DeRose, Dominic															
Gronewold, Katie															
Heldt, Corey															
Salem, Michael															
Company 2															
Bently, Alisa															
Brixey, Max															
Browne, Brandon															
Grosskopf, Melissa															
Sapp, Andrew															
Talley, Dean															
Company 3															
Fisher, Blaine															
Kolster, Kenny															
Lara, John															
Schreieck, Aaron															
Smith, Kallie															

Staging Area Worksheet	1. INCIDENT NAME	2. DATE PREPARED	3. TIME PREPARED	4. OPERATIONAL PERIOD
	SCRFA Hands On Final	4/29/2014	0800 hours	May 10- 17, 2014 0800- 1800

Test Number	1 May 13	2 May 13	3 May 13	4 May 13	5 May 10	6 May 13	7 May 17	8 May 17	9 May 10	10 May 10	11 May 15	12 May 15	13 May 15	14 May 10	15 May 11
Company 4															
Baldock, Steven															
Briare, Brice															
Liebe, Taylor															
Lincoln, Grant															
Poulter, Chad															
Scott, Mark															
Company 5															
Alberti, Daniel															
Baer, Kevin															
Fitzpatrick, Blaine															
Stephens, Brandon															
Woods Tyler															
Company 6															
Demchuk, Dennis															
Egan, Eric															
Haynie, Brock															
LeDuc, Nick															
McGuire, Eric															
Silvas, Eric															

Staging Area Worksheet	1. INCIDENT NAME	2. DATE PREPARED	3. TIME PREPARED	4. OPERATIONAL PERIOD
	SCRFA Hands On Final	4/29/2014	0800 hours	May 10- 17, 2014 0800- 1800

Test Number	**16** **May** **11**	**17** **May** **11**	**18** **May** **15**	**19** **May** **13**	**20** **May** **10**	**21** **May** **11**									
Company 1															
Brothers, Nicholas															
DeRose, Dominic															
Gronewold, Katie															
Heldt, Corey															
Salem, Michael															
Company 2															
Bently, Alisa															
Brixey, Max															
Browne, Brandon															
Grosskopf, Melissa															
Sapp, Andrew															
Talley, Dean															
Company 3															
Fisher, Blaine															
Kolster, Kenny															
Lara, John															
Schreieck, Aaron															
Smith, Kallie															

Staging Area Worksheet	1. INCIDENT NAME	2. DATE PREPARED	3. TIME PREPARED	4. OPERATIONAL PERIOD
	SCRFA Hands On Final	4/29/2014	0800 hours	May 10- 17, 2014 0800- 1800

Test Number	16 May 11	17 May 11	18 May 15	19 May 13	20 May 10	21 May 11									
Company 4															
Baldock, Steven															
Briare, Brice															
Liebe, Taylor															
Lincoln, Grant															
Poulter, Chad															
Scott, Mark															
Company 5															
Alberti, Daniel															
Baer, Kevin															
Fitzpatrick, Blaine															
Stephens, Brandon															
Woods Tyler															
Company 6															
Demchuk, Dennis															
Egan, Eric															
Haynie, Brock															
LeDuc, Nick															
McGuire, Eric															
Silvas, Eric															

Staging Area Worksheet	1. INCIDENT NAME SCRFA Hands On Final	2. DATE PREPARED 4/29/2014	3. TIME PREPARED 0800 hours	4. OPERATIONAL PERIOD May 10- 17, 2014 0800- 1800

Confidential Page

Sierra College Regional Fire Academy Class 14-1

Firefighter I Psychomotor Skills Testing Schedule

Test #	Test Date	Skill #	Required	Structural Firefighter I Psychomotor Skill Testing
1	May 13	2-2.1	Req.	Don, doff, & prepare PPE for reuse
2	May 13	2-3.1	Req.	Don & doff SCBA
3	May 13	2-3.4		Replace SCBA air cylinder
4	May 13	4-1.2		Hoist tools aloft
5	May 10	5-4.1	Req.	Perform a forward hose lay
6	May 13	5-7.1	Req.	Lift, carry, & raise an extension ladder, high shoulder 1 person
7	May 17	5-9.2		Rescue a firefighter
8	May 17	5-10.1	Req.	Structure fire attack- interior grade level, above, or below
9	May 10	5-10.3		Operate a charged 1 ½ or larger line while secured to a ladder
10	May 10	5-13.1		Salvage a room

Test #	Test Date	Skill #	Required	Wildland Firefighter I Psychomotor Skill Testing
11	May 15	8-2.1	Req.	Don & doff wildland personal PPE
12	May 15	8-2.2	Req.	Deploy a fire shelter
13	May 15	8-3.2		Assemble and use a back pump
14	May 10	8-5.1	Req.	Assume the safe position for an airtanker drop
15	May 11	8-7.1	Req.	Perform a progressive hose lay – 2 person 500 feet
16	May 11	8-7.2		Use hand tools to construct a fireline
17	May 11	8-9.1		Prep & defend a structure in the wildland urban interface
18	May 15	8-11.1		Demonstrate patrol principles, techniques, & standards

Test #	Test Date	Skill #	Required	Hazardous Materials Firefighter I Psychomotor Skill Testing
19	May 13	9-1.1	Req.	Identify haz materials, their potential hazards, & appropriate PPE
20	May 10	9-3.1		Perform emergency decon
21	May 11	9-4.1		Perform control, containment, & confinement ops in event of haz-mat

Staging Area Worksheet	1. INCIDENT NAME SCRFA Hands On Final	2. DATE PREPARED 4/29/2014	3. TIME PREPARED 0800 hours	4. OPERATIONAL PERIOD May 10- 17, 2014 0800- 1800

Confidential Page

Sierra College Regional Fire Academy Class 14-1

Firefighter I Psychomotor Skills Testing Assignments

Saturday , May 10, 2014, 0800 to 1800 hours (9 hours)
M. Romer - IC
J. Palmer – Ops/Staging

J. Sunde	Test 5	Forward Lay
B. Midtlyng	Test 9	Charged 1 1/2" on a ladder
M. Buttron	Test 10	Salvage a Room
M. Jewett	Test 14	Airtanker drop
D. Baldwin	Test 20	Emergency decon

Sunday, May 11, 2014, 0800 to 1800 hours (9 hours)
M. Romer - IC
J. Palmer – Ops/Staging

J. Sunde & M. Buttron	Test 15	Progressive Hoselays 2 person – 500'
D. Ray	Test 16	Construct fire line with handtools
D. Baldwin	Test 17	Prep & defend a structure in the wildland
M. Jewett	Test 21	Control Haz Mat

Tuesday, May 13, 2014, 1800 to 2230 hours (4.5 hours)
M. Romer - IC
J. Palmer – Ops/Staging

N. Menth	Test 1, 2, & 3	PPE, SCBA, & cylinder change
M. Jewett	Test 4	Tool hoists
D. Morra	Test 6	24' Extension ladder, high shoulder carry and raise
D. Baldwin	Test 19	Identify Haz Mat

Thursday, May 15, 2014, 1800 to 2230 hours (4.5 hours)
M. Romer - IC
J. Palmer – Ops/Staging

N. Menth	Test 11	Don & doff wildland PPE
D. Morra	Test 12	Deploy shelter laying down method
M. Jewett	Test 13	Back pump assembly and use
O. Clemens	Test 18	Demonstrate patrol principles, techs. & standards

Saturday, May 17, 2014, 0800 to 1800 hours (9 hours)
M. Romer – IC
J. Palmer – Ops/Staging

A. Taylor	Test 7	Rescue a firefighter
M. Buttron	Test 8	Structure fire attack
M. Jewett	Make up tests	

Sierra College Regional Fire Academy Class 14-1

Firefighter I Psychomotor Skills Testing Schedule

Saturday , May 10, 2014
M. Romer - IC
M. Jewett - Staging

J. Sunde	Test 5	Forward Lay
B. Midtlyng	Test 9	Charged 1 1/2" on a ladder
M. Buttron	Test 10	Overhaul a fire scene
J. Palmer	Test 14	Airtanker drop
D. Baldwin	Test 20	Emergency decon

Sunday, May 11, 2014
M. Romer - IC
M. Jewett - Staging

J. Sunde & M. Buttron	Test 15	Progressive Hoselays 2 person – 500'
D. Ray	Test 16	Construct fire line with handtools
D. Baldwin	Test 17	Prep & defend a structure in the wildland
J. Palmer	Test 21	Control Haz Mat

Tuesday, May 13, 2014
M. Romer - IC
M. Jewett - Staging

N. Menth	Test 1, 2, & 3	PPE, SCBA, & cylinder change
J. Palmer	Test 4	Tool hoists
D. Morra	Test 6	24' Extension ladder, high shoulder carry and raise
D. Baldwin	Test 19	Identify Haz Mat

Thursday, May 15, 2014
M. Romer - IC
M. Jewett - Staging

N. Menth	Test 11	Don & doff wildland PPE
D. Morra	Test 12	Deploy shelter laying down method
J. Palmer	Test 13	Back pump assembly and use
J. Vestal	Test 18	Demonstrate patrol principles, techs. & standards

Saturday, May 17, 2014
M. Romer – IC
M. Jewett – Staging

A. Taylor	Test 7	Rescue a firefighter
M. Buttron	Test 8	Structure fire attack
J. Palmer	Make up tests	

Attendance Sheet SFT Testing

Date:_____

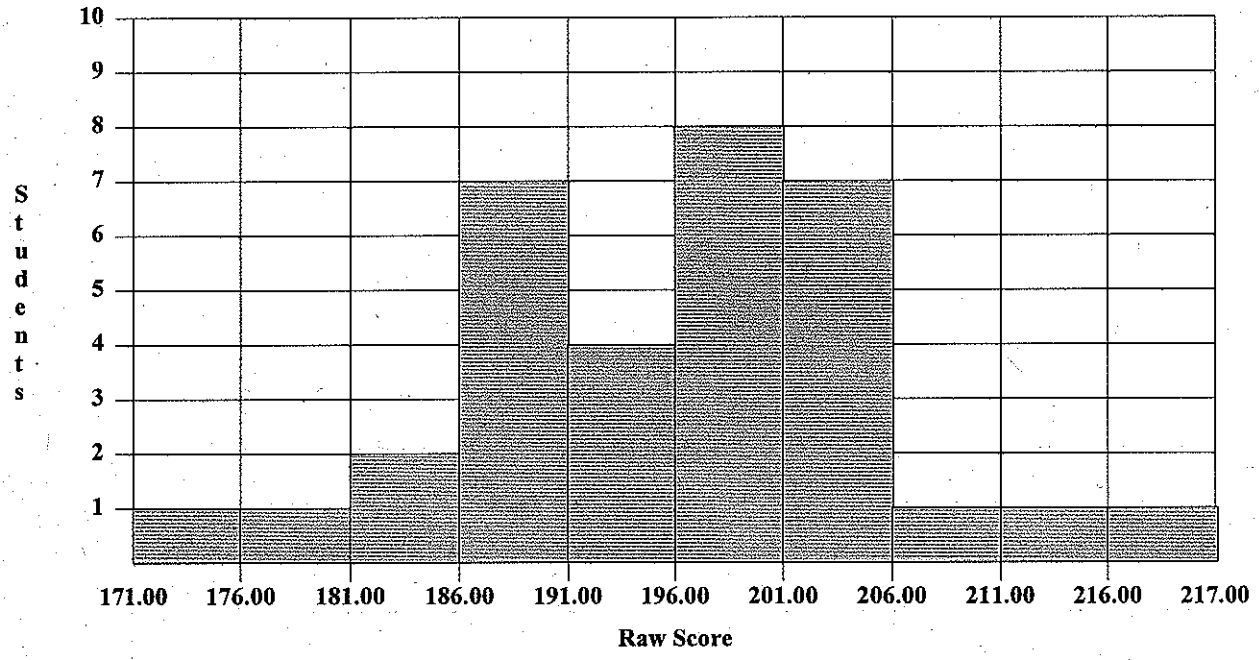
Company # 1	Signature	DL #
1.		
2.		
3.		
4.		
5.		
6.		
Company #2		
7.		
8.		
9.		
10.		
11.		
12.		
Company #3		
13.		
14.		
15.		
16.		
17.		
18.		
Company #4		
19.		
20.		
21.		
22.		
23.		
24.		
Company #5		
25.		
26.		
27.		
28.		
29.		
30.		
Company #6		
31.		
32.		
33.		
34.		
35.		
36.		
37.		

Lead Evaluator :_____

Appendix-E

TEST STATISTICS REPORT

for FF1 Haz Wildland 20140417 from PTS_StateOfCalifornia_Scores



Test Name:	**FF1 Haz Wildland 20140417**	
Test Date:	**4/17/2014**	
Number of Examinees:	**33**	
Number of Items:	**226**	
Maximum Possible Points:	**242.00**	
Highest Score:	**217.00**	**(89.67)**
Lowest Score:	**171.00**	**(70.66)**
Median:	**196.00**	**(80.99)**
Mean:	**195.09**	**(80.62)**
Standard Deviation:	**9.64**	
Test Reliability:	**0.31**	
Standard Error of Measurement:	**7.99**	

ITEM STATISTICS REPORT

for FF1 Haz Wildland 20140417 from PTS_StateOfCalifornia_Scores

Test form: 0
Test version: 0

	Overall	Omits	A (True)	B (False)	C	D
Item	**Admins**					
Type	**p**					
Pts	**Avg**					
E.T.	**rpb**					
6.2.3 INCDT SPEC PPE 11						
1:1	34	0	**33**	0	1	0
MCS	0.97	0.00	**0.97**	0.00	0.03	0.00
1.00	78.27	0.00	**80.62**	0.00	0.83	0.00
43.05	+0.961	-	**+0.961**	-	-0.961	-
4.2.1 DETECT HAZMAT 14						
1:2	34	1	3	0	1	**29**
MCS	0.85	0.03	0.09	0.00	0.03	**0.85**
1.00	78.27	0.83	81.68	0.00	76.45	**80.65**
15.17	+0.409	-0.961	+0.076	-	-0.023	**+0.409**
5.2.4 POTENTIAL HARM 9						
1:3	34	1	14	**16**	3	0
MCS	0.47	0.03	0.41	**0.47**	0.09	0.00
1.00	78.27	0.83	79.69	**82.05**	77.27	0.00
27.17	+0.254	-0.961	+0.085	**+0.254**	-0.022	-
4.1.1 KNOW MATERIALS 1						
1:4	34	1	2	2	**28**	1
MCS	0.82	0.03	0.06	0.06	**0.82**	0.03
1.00	78.27	0.83	80.17	77.07	**81.12**	74.38
26.27	+0.440	-0.961	+0.034	-0.021	**+0.440**	-0.048
4.2.1 DETECT HAZMAT 24						
1:5	34	1	1	**14**	3	15
MCS	0.41	0.03	0.03	**0.41**	0.09	0.44
1.00	78.27	0.83	84.71	**81.20**	79.75	79.97
17.30	+0.175	-0.961	+0.080	**+0.175**	+0.033	+0.108
4.4.1 PROTECT ACTION 19						
1:6	34	1	0	0	**33**	0
MCS	0.97	0.03	0.00	0.00	**0.97**	0.00
1.00	78.27	0.83	0.00	0.00	**80.62**	0.00
11.98	+0.961	-0.961	-	-	**+0.961**	-

ITEM STATISTICS REPORT

for FF1 Haz Wildland 20140417 from PTS_StateOfCalifornia_Scores

Item Type Pts E.T.	Overall Admins p Avg rpb	Omits	A (True)	B (False)	C	D
4.2.1 DETECT HAZMAT 114						
1:7	34	1	3	0	0	**30**
MCS	0.88	0.03	0.09	0.00	0.00	**0.88**
1.00	78.27	0.83	76.17	0.00	0.00	**81.06**
13.65	+0.545	-0.961	-0.047	-	-	**+0.545**
4.1.2 PERFORM TASK 3						
1:8	34	1	**12**	19	2	0
MCS	0.35	0.03	**0.35**	0.56	0.06	0.00
1.00	78.27	0.83	**82.58**	79.97	75.00	0.00
24.25	+0.227	-0.961	**+0.227**	+0.136	-0.058	-
5.3.2 DEFENSE OPTS 12						
1:9	34	1	**3**	0	12	18
MCS	0.09	0.03	**0.09**	0.00	0.35	0.53
1.00	78.27	0.83	**80.58**	0.00	81.44	80.07
35.77	+0.051	-0.961	**+0.051**	-	+0.167	+0.136
5.4.1 SCENE CONTROL 4						
1:10	34	1	0	**33**	0	0
MCS	0.97	0.03	0.00	**0.97**	0.00	0.00
1.00	78.27	0.83	0.00	**80.62**	0.00	0.00
10.35	+0.961	-0.961	-	**+0.961**	-	-
4.2.1 DETECT HAZMAT 5						
1:11	34	1	**21**	3	9	0
MCS	0.62	0.03	**0.62**	0.09	0.26	0.00
1.00	78.27	0.83	**81.96**	80.58	77.50	0.00
14.78	+0.334	-0.961	**+0.334**	+0.051	-0.033	-
5.3.4 DECON PROCEDR 4						
1:12	34	1	9	0	0	**24**
MCS	0.71	0.03	0.26	0.00	0.00	**0.71**
1.00	78.27	0.83	80.12	0.00	0.00	**80.80**
39.65	+0.280	-0.961	+0.079	-	-	**+0.280**
5.4.3 INITIATE ICS 2						
1:13	34	1	2	3	1	**27**
MCS	0.79	0.03	0.06	0.09	0.03	**0.79**
1.00	78.27	0.83	79.55	77.55	83.06	**80.95**
21.02	+0.375	-0.961	+0.023	-0.016	+0.059	**+0.375**

ITEM STATISTICS REPORT

for FF1 Haz Wildland 20140417 from PTS_StateOfCalifornia_Scores

Item Type Pts E.T.	Overall Admins p Avg rpb	Omits	A (True)	B (False)	C	D
6.2.3 INCDT SPEC PPE 14						
1:14	34	1	**27**	3	0	3
MCS	0.79	0.03	**0.79**	0.09	0.00	0.09
1.00	78.27	0.83	**81.08**	80.72	0.00	76.31
26.53	+0.394	-0.961	**+0.394**	+0.054	-	-0.043
5.2.1 SURVEY INCIDNT 15						
1:15	34	1	**10**	1	5	17
MCS	0.29	0.03	**0.29**	0.03	0.15	0.50
1.00	78.27	0.83	**82.23**	89.67	80.83	79.07
20.98	+0.182	-0.961	**+0.182**	+0.142	+0.076	+0.057
4.1.2 PERFORM TASK 4						
1:16	34	1	5	**21**	4	3
MCS	0.62	0.03	0.15	**0.62**	0.12	0.09
1.00	78.27	0.83	83.14	**80.74**	80.06	76.31
16.50	+0.224	-0.961	+0.144	**+0.224**	+0.047	-0.043
4.4.2 INITIAL NOTIFY 1						
1:17	34	1	0	19	0	**14**
MCS	0.41	0.03	0.00	0.56	0.00	**0.41**
1.00	78.27	0.83	0.00	80.12	0.00	**81.29**
13.73	+0.180	-0.961	-	+0.149	-	**+0.180**
4.2.1 DETECT HAZMAT 57						
1:18	34	1	0	**29**	2	2
MCS	0.85	0.03	0.00	**0.85**	0.06	0.06
1.00	78.27	0.83	0.00	**80.72**	80.99	78.72
17.23	+0.421	-0.961	-	**+0.421**	+0.049	+0.008
4.2.1 DETECT HAZMAT 88						
1:19	34	1	0	**20**	12	1
MCS	0.59	0.03	0.00	**0.59**	0.35	0.03
1.00	78.27	0.83	0.00	**81.57**	79.30	77.27
19.50	+0.281	-0.961	-	**+0.281**	+0.055	-0.012
5.2.3 MATRL BEHAVIOR 12						
1:20	34	1	18	2	**12**	1
MCS	0.35	0.03	0.53	0.06	**0.35**	0.03
1.00	78.27	0.83	79.66	83.68	**81.65**	79.34
23.32	+0.178	-0.961	+0.105	+0.096	**+0.178**	+0.013

ITEM STATISTICS REPORT

for FF1 Haz Wildland 20140417 from PTS_StateOfCalifornia_Scores

Item Type Pts E.T.	Overall Admins p Avg rpb	Omits	A (True)	B (False)	C	D
4.4.1 PROTECT ACTION 9						
1:21	34	1	0	**32**	1	0
MCS	0.94	0.03	0.00	**0.94**	0.03	0.00
1.00	78.27	0.83	0.00	**80.93**	70.66	0.00
23.23	+0.758	-0.961	-	**+0.758**	-0.094	-
5.3.2 DEFENSE OPTS 3						
1:22	34	0	**23**	4	0	7
MCS	0.68	0.00	**0.68**	0.12	0.00	0.21
1.00	78.27	0.00	**78.31**	78.72	0.00	77.86
18.82	+0.005	-	**+0.005**	+0.012	-	-0.015
5.2.3 MATRL BEHAVIOR 41						
1:23	34	1	9	**20**	3	1
MCS	0.59	0.03	0.26	**0.59**	0.09	0.03
1.00	78.27	0.83	79.38	**81.47**	79.61	77.69
20.98	+0.273	-0.961	+0.048	**+0.273**	+0.030	-0.007
4.2.1 DETECT HAZMAT 111						
1:24	34	1	**32**	0	1	0
MCS	0.94	0.03	**0.94**	0.00	0.03	0.00
1.00	78.27	0.83	**80.71**	0.00	77.69	0.00
15.72	+0.695	-0.961	**+0.695**	-	-0.007	-
3.3 DEFINITIONS 1						
1:25	34	1	0	2	**29**	2
MCS	0.85	0.03	0.00	0.06	**0.85**	0.06
1.00	78.27	0.83	0.00	79.55	**80.93**	77.07
20.88	+0.458	-0.961	-	+0.023	**+0.458**	-0.021
4.2.1 DETECT HAZMAT 78						
1:26	34	1	5	0	**28**	0
MCS	0.82	0.03	0.15	0.00	**0.82**	0.00
1.00	78.27	0.83	78.60	0.00	**80.98**	0.00
18.08	+0.417	-0.961	+0.010	-	**+0.417**	-
5.4.1 SCENE CONTROL 6						
1:27	34	1	1	**29**	2	1
MCS	0.85	0.03	0.03	**0.85**	0.06	0.03
1.00	78.27	0.83	80.99	**80.58**	82.23	78.10
17.67	+0.397	-0.961	+0.034	**+0.397**	+0.071	-0.002

ITEM STATISTICS REPORT

for FF1 Haz Wildland 20140417 from PTS_StateOfCalifornia_Scores

Item Type Pts E.T.	Overall Admins p Avg rpb	Omits	A (True)	B (False)	C	D
5.3.4 DECON PROCEDR 1						
1:28	34	1	0	1	1	**31**
MCS	0.91	0.03	0.00	0.03	0.03	**0.91**
1.00	78.27	0.83	0.00	77.27	80.58	**80.73**
17.23	+0.563	-0.961	-	-0.012	+0.029	**+0.563**
5.4.3 INITIATE ICS 7						
1:29	34	1	1	**32**	0	0
MCS	0.94	0.03	0.03	**0.94**	0.00	0.00
1.00	78.27	0.83	74.79	**80.80**	0.00	0.00
11.78	+0.721	-0.961	-0.043	**+0.721**	-	-
6.6.1 PRODUCT CTRL 6						
1:30	34	1	**32**	1	0	0
MCS	0.94	0.03	**0.94**	0.03	0.00	0.00
1.00	78.27	0.83	**80.36**	88.84	0.00	0.00
14.72	+0.596	-0.961	**+0.596**	+0.131	-	-
5.1.1 GENERAL 52						
2:1	34	1	8	0	0	**25**
MCS	0.74	0.03	0.24	0.00	0.00	**0.74**
1.00	78.27	0.83	81.77	0.00	0.00	**80.25**
14.38	+0.235	-0.961	+0.138	-	-	**+0.235**
5.5.7 MOP UP AREA 5						
2:2	34	1	0	2	6	**25**
MCS	0.74	0.03	0.00	0.06	0.18	**0.74**
1.00	78.27	0.83	0.00	81.61	80.37	**80.60**
15.52	+0.276	-0.961	-	+0.060	+0.069	**+0.276**
5.5.5 SECURE LINE 3						
2:3	34	1	0	13	12	**8**
MCS	0.24	0.03	0.00	0.38	0.35	**0.24**
5.00	78.27	0.83	0.00	80.45	80.48	**81.10**
32.00	+0.112	-0.961	-	+0.122	+0.116	**+0.112**
5.5.3 RECOGNZ HAZARD 8						
2:4	34	1	7	12	11	**3**
MCS	0.09	0.03	0.21	0.35	0.32	**0.09**
1.00	78.27	0.83	78.45	81.78	80.35	**81.96**
43.45	+0.082	-0.961	+0.007	+0.185	+0.103	**+0.082**

ITEM STATISTICS REPORT

for FF1 Haz Wildland 20140417 from PTS_StateOfCalifornia_Scores

Item Type Pts E.T.	Overall Admins p Avg rpb	Omits	A (True)	B (False)	C	D
5.3.3 PRESUPPRESSION 9						
2:5	34	1	0	**33**	0	0
MCS	0.97	0.03	0.00	**0.97**	0.00	0.00
1.00	78.27	0.83	0.00	**80.62**	0.00	0.00
8.68	+0.961	-0.961	-	**+0.961**	-	-
5.5.6 RDUCE EXPOSURE 6						
2:6	34	1	5	0	**28**	0
MCS	0.82	0.03	0.15	0.00	**0.82**	0.00
1.00	78.27	0.83	78.10	0.00	**81.07**	0.00
28.18	+0.431	-0.961	-0.005	-	**+0.431**	-
5.5.6 RDUCE EXPOSURE 13						
2:7	34	1	**27**	6		
T/F	0.79	0.03	**0.79**	0.18		
1.00	78.27	0.83	**80.10**	82.92		
13.40	+0.257	-0.961	**+0.257**	+0.154		
5.3.3 PRESUPPRESSION 7						
2:8	34	1	0	**33**	0	0
MCS	0.97	0.03	0.00	**0.97**	0.00	0.00
1.00	78.27	0.83	0.00	**80.62**	0.00	0.00
8.48	+0.961	-0.961	-	**+0.961**	-	-
5.1.1 GENERAL 23						
2:9	34	1	0	**27**	6	0
MCS	0.79	0.03	0.00	**0.79**	0.18	0.00
1.00	78.27	0.83	0.00	**81.33**	77.41	0.00
10.12	+0.428	-0.961	-	**+0.428**	-0.028	-
5.1.1 GENERAL 50						
2:10	34	1	**33**	0	0	0
MCS	0.97	0.03	**0.97**	0.00	0.00	0.00
1.00	78.27	0.83	**80.62**	0.00	0.00	0.00
7.73	+0.961	-0.961	**+0.961**	-	-	-
5.3.3 PRESUPPRESSION 8						
2:11	34	1	0	0	**33**	0
MCS	0.97	0.03	0.00	0.00	**0.97**	0.00
1.00	78.27	0.83	0.00	0.00	**80.62**	0.00
15.80	+0.961	-0.961	-	-	**+0.961**	-

ITEM STATISTICS REPORT

for FF1 Haz Wildland 20140417 from PTS_StateOfCalifornia_Scores

Item Type Pts E.T.	Overall Admins p Avg rpb	Omits	A (True)	B (False)	C	D
5.3.2 MAINTAIN PPE 9						
2:12	34	1	**7**	22	0	4
MCS	0.21	0.03	**0.21**	0.65	0.00	0.12
1.00	78.27	0.83	**80.99**	80.67	0.00	79.65
15.33	+0.099	-0.961	**+0.099**	+0.232	-	+0.036
5.5.4 CONST FIRELINE 14						
2:13	34	1	**33**	0	0	0
MCS	0.97	0.03	**0.97**	0.00	0.00	0.00
1.00	78.27	0.83	**80.62**	0.00	0.00	0.00
10.63	+0.961	-0.961	**+0.961**	-	-	-
5.5.6 RDUCE EXPOSURE 9						
2:14	34	1	0	0	5	**28**
MCS	0.82	0.03	0.00	0.00	0.15	**0.82**
1.00	78.27	0.83	0.00	0.00	80.91	**80.56**
14.15	+0.353	-0.961	-	-	+0.078	**+0.353**
5.1.1 GENERAL 17						
2:15	34	1	**23**	10	0	0
MCS	0.68	0.03	**0.68**	0.29	0.00	0.00
1.00	78.27	0.83	**80.81**	80.17	0.00	0.00
20.00	+0.262	-0.961	**+0.262**	+0.087	-	-
5.1.1 GENERAL 45						
2:16	34	1	0	1	0	**32**
MCS	0.94	0.03	0.00	0.03	0.00	**0.94**
1.00	78.27	0.83	0.00	82.23	0.00	**80.57**
10.83	+0.655	-0.961	-	+0.049	-	**+0.655**
5.5.4 CONST FIRELINE 7						
2:17	34	1	0	0	1	**32**
MCS	0.94	0.03	0.00	0.00	0.03	**0.94**
1.00	78.27	0.83	0.00	0.00	85.95	**80.45**
16.17	+0.622	-0.961	-	-	+0.095	**+0.622**
5.1.1 GENERAL 22						
2:18	34	1	0	0	**33**	0
MCS	0.97	0.03	0.00	0.00	**0.97**	0.00
1.00	78.27	0.83	0.00	0.00	**80.62**	0.00
5.53	+0.961	-0.961	-	-	**+0.961**	-

ITEM STATISTICS REPORT

for FF1 Haz Wildland 20140417 from PTS_StateOfCalifornia_Scores

Item Type Pts E.T.	Overall Admins p Avg rpb	Omits	A (True)	B (False)	C	D
5.5.8 PATROL AREA 9						
2:19	34	1	0	1	**31**	1
MCS	0.91	0.03	0.00	0.03	**0.91**	0.03
1.00	78.27	0.83	0.00	74.38	**81.01**	74.79
17.97	+0.627	-0.961	-	-0.048	**+0.627**	-0.043
5.5.6 RDUCE EXPOSURE 5						
2:20	34	1	**6**	16	3	8
MCS	0.18	0.03	**0.18**	0.47	0.09	0.24
1.00	78.27	0.83	**81.75**	79.60	85.67	79.91
20.68	+0.115	-0.961	**+0.115**	+0.089	+0.164	+0.065
5.3.3 PRESUPPRESSION 1						
2:21	34	1	0	**33**	0	0
MCS	0.97	0.03	0.00	**0.97**	0.00	0.00
5.00	78.27	0.83	0.00	**80.62**	0.00	0.00
37.42	+0.961	-0.961	-	**+0.961**	-	-
5.5.1 SUPPRESSION 4						
2:22	34	1	1	0	**28**	4
MCS	0.82	0.03	0.03	0.00	**0.82**	0.12
1.00	78.27	0.83	85.95	0.00	**80.24**	81.92
21.53	+0.303	-0.961	+0.095	-	**+0.303**	+0.095
5.5.5 SECURE LINE 4						
2:23	34	1	0	**33**	0	0
MCS	0.97	0.03	0.00	**0.97**	0.00	0.00
5.00	78.27	0.83	0.00	**80.62**	0.00	0.00
71.68	+0.961	-0.961	-	**+0.961**	-	-
5.5.3 RECOGNZ HAZARD 5						
2:24	34	1	0	0	0	**33**
MCS	0.97	0.03	0.00	0.00	0.00	**0.97**
1.00	78.27	0.83	0.00	0.00	0.00	**80.62**
7.88	+0.961	-0.961	-	-	-	**+0.961**
5.1.1 GENERAL 49						
2:25	34	1	0	0	**33**	0
MCS	0.97	0.03	0.00	0.00	**0.97**	0.00
1.00	78.27	0.83	0.00	0.00	**80.62**	0.00
12.65	+0.961	-0.961	-	-	**+0.961**	-

ITEM STATISTICS REPORT

for FF1 Haz Wildland 20140417 from PTS_StateOfCalifornia_Scores

Item Type Pts E.T.	Overall Admins p Avg rpb	Omits	A (True)	B (False)	C	D
5.3.2 MAINTAIN PPE 6						
2:26	34	1	0	11	7	**15**
MCS	0.44	0.03	0.00	0.32	0.21	**0.44**
1.00	78.27	0.83	0.00	79.30	80.11	**81.82**
25.95	+0.225	-0.961	-	+0.051	+0.067	**+0.225**
5.5.4 CONST FIRELINE 13						
2:27	34	1	3	**12**	4	14
MCS	0.35	0.03	0.09	**0.35**	0.12	0.41
1.00	78.27	0.83	84.71	**80.92**	76.76	80.58
37.92	+0.140	-0.961	+0.143	**+0.140**	-0.039	+0.138
5.3.3 PRESUPPRESSION 6						
2:28	34	1	0	2	**29**	2
MCS	0.85	0.03	0.00	0.06	**0.85**	0.06
1.00	78.27	0.83	0.00	75.83	**81.16**	77.48
13.58	+0.497	-0.961	-	-0.044	**+0.497**	-0.014
5.5.3 RECOGNZ HAZARD 11						
2:29	34	1	1	7	**25**	0
MCS	0.74	0.03	0.03	0.21	**0.74**	0.00
1.00	78.27	0.83	74.79	80.64	**80.84**	0.00
15.20	+0.306	-0.961	-0.043	+0.086	**+0.306**	-
5.1.1 GENERAL 28						
2:30	34	1	2	3	**20**	8
MCS	0.59	0.03	0.06	0.09	**0.59**	0.24
1.00	78.27	0.83	76.03	77.00	**82.13**	79.34
37.37	+0.329	-0.961	-0.040	-0.028	**+0.329**	+0.042
5.5.3 RECOGNZ HAZARD 2						
2:31	34	1	0	1	**32**	0
MCS	0.94	0.03	0.00	0.03	**0.94**	0.00
1.00	78.27	0.83	0.00	81.40	**80.59**	0.00
13.52	+0.662	-0.961	-	+0.039	**+0.662**	-
5.1.1 GENERAL 6						
2:32	34	1	10	5	**14**	4
MAT	0.41	0.03	0.29	0.15	**0.41**	0.12
1.00	78.27	0.83	79.26	80.25	**82.02**	79.55
63.73	+0.224	-0.961	+0.045	+0.059	**+0.224**	+0.033

ITEM STATISTICS REPORT

for FF1 Haz Wildland 20140417 from PTS_StateOfCalifornia_Scores

Item Type Pts E.T.	Overall Admins p Avg rpb	Omits	A (True)	B (False)	C	D
5.1.1 GENERAL 6						
2:33	34	1	1	2	9	**21**
MAT	0.62	0.03	0.03	0.06	0.26	**0.62**
1.00	78.27	0.83	83.88	80.37	78.51	**81.39**
-	+0.282	-0.961	+0.070	+0.037	+0.010	**+0.282**
5.1.1 GENERAL 6						
2:34	34	1	0	**26**	6	1
MAT	0.76	0.03	0.00	**0.76**	0.18	0.03
1.00	78.27	0.83	0.00	**80.47**	81.75	77.69
-	+0.283	-0.961	-	**+0.283**	+0.115	-0.007
5.1.1 GENERAL 38						
2:35	34	1	10	14	**6**	3
MCS	0.18	0.03	0.29	0.41	**0.18**	0.09
5.00	78.27	0.83	79.92	79.10	**84.44**	82.37
161.25	+0.204	-0.961	+0.076	+0.050	**+0.204**	+0.091
5.5.1 SUPPRESSION 6						
2:36	34	1	12	11	**5**	5
MCS	0.15	0.03	0.35	0.32	**0.15**	0.15
1.00	78.27	0.83	80.79	80.58	**80.74**	80.17
45.52	+0.073	-0.961	+0.132	+0.114	**+0.073**	+0.056
5.1.1 GENERAL 39						
2:37	34	1	0	0	**31**	2
MCS	0.91	0.03	0.00	0.00	**0.91**	0.06
1.00	78.27	0.83	0.00	0.00	**80.89**	76.45
6.68	+0.600	-0.961	-	-	**+0.600**	-0.032
5.3.13 OVERHAUL 27						
3:1	34	1	0	0	0	**33**
MCS	0.97	0.03	0.00	0.00	0.00	**0.97**
1.00	78.27	0.83	0.00	0.00	0.00	**80.62**
10.67	+0.961	-0.961	-	-	-	**+0.961**
5.3.08 EXTERIOR FIRE 3						
3:2	34	1	2	2	**23**	6
MCS	0.68	0.03	0.06	0.06	**0.68**	0.18
1.00	78.27	0.83	79.13	82.02	**81.26**	78.17
24.90	+0.308	-0.961	+0.015	+0.067	**+0.308**	-0.003

ITEM STATISTICS REPORT

for FF1 Haz Wildland 20140417 from PTS_StateOfCalifornia_Scores

Item Type Pts E.T.	Overall Admins p Avg rpb	Omits	A (True)	B (False)	C	D
5.3.09 DO SEARCH 50						
3:3	34	1	**33**	0	0	0
MCS	0.97	0.03	**0.97**	0.00	0.00	0.00
1.00	78.27	0.83	**80.62**	0.00	0.00	0.00
19.30	+0.961	-0.961	**+0.961**	-	-	-
5.3.08 EXTERIOR FIRE 7						
3:4	34	1	**31**	1	1	0
MCS	0.91	0.03	**0.91**	0.03	0.03	0.00
1.00	78.27	0.83	**80.83**	70.66	83.88	0.00
17.07	+0.587	-0.961	**+0.587**	-0.094	+0.070	-
5.3.10 INTERIOR ATCK 45						
3:5	34	1	1	**32**	0	0
MCS	0.94	0.03	0.03	**0.94**	0.00	0.00
1.00	78.27	0.83	83.88	**80.51**	0.00	0.00
17.12	+0.640	-0.961	+0.070	**+0.640**	-	-
5.3.15 WATER SUPPLY 1						
3:6	34	1	3	**28**	1	1
MCS	0.82	0.03	0.09	**0.82**	0.03	0.03
1.00	78.27	0.83	79.75	**80.61**	80.58	83.47
13.93	+0.360	-0.961	+0.033	**+0.360**	+0.029	+0.065
5.2.01 EMERGENCY RSP 7						
3:7	34	1	0	0	**33**	0
MCS	0.97	0.03	0.00	0.00	**0.97**	0.00
1.00	78.27	0.83	0.00	0.00	**80.62**	0.00
13.52	+0.961	-0.961	-	-	**+0.961**	-
5.3.01 SCBA 82						
3:8	34	1	0	0	**32**	1
MCS	0.94	0.03	0.00	0.00	**0.94**	0.03
1.00	78.27	0.83	0.00	0.00	**80.33**	89.67
7.78	+0.589	-0.961	-	-	**+0.589**	+0.142
5.1.1 GEN KNOWL REQ 4						
3:9	34	1	**28**	0	4	1
MCS	0.82	0.03	**0.82**	0.00	0.12	0.03
1.00	78.27	0.83	**80.74**	0.00	80.06	79.34
12.05	+0.381	-0.961	**+0.381**	-	+0.047	+0.013

ITEM STATISTICS REPORT

for FF1 Haz Wildland 20140417 from PTS_StateOfCalifornia_Scores

Item Type Pts E.T.	Overall Admins p Avg rpb	Omits	A (True)	B (False)	C	D
5.3.14 SALVAGE 14						
3:10	34	1	0	**15**	6	12
MCS	0.44	0.03	0.00	**0.44**	0.18	0.35
1.00	78.27	0.83	0.00	**81.85**	79.89	79.44
27.80	+0.227	-0.961	-	**+0.227**	+0.053	+0.062
5.3.09 DO SEARCH 7						
3:11	34	1	0	0	**28**	5
MCS	0.82	0.03	0.00	0.00	**0.82**	0.15
1.00	78.27	0.83	0.00	0.00	**80.71**	80.08
15.55	+0.376	-0.961	-	-	**+0.376**	+0.054
5.3.15 WATER SUPPLY 15						
3:12	34	1	**33**	0	0	0
MCS	0.97	0.03	**0.97**	0.00	0.00	0.00
1.00	78.27	0.83	**80.62**	0.00	0.00	0.00
9.23	+0.961	-0.961	**+0.961**	-	-	-
5.3.20 HOIST KNOTS 19						
3:13	34	1	0	0	**33**	0
MCS	0.97	0.03	0.00	0.00	**0.97**	0.00
1.00	78.27	0.83	0.00	0.00	**80.62**	0.00
5.67	+0.961	-0.961	-	-	**+0.961**	-
5.3.14 SALVAGE 1						
3:14	34	1	0	**32**	1	0
MCS	0.94	0.03	0.00	**0.94**	0.03	0.00
1.00	78.27	0.83	0.00	**80.73**	76.86	0.00
11.90	+0.703	-0.961	-	**+0.703**	-0.017	-
5.3.02 RESPONSE SAFE 5						
3:15	34	1	0	0	**33**	0
MCS	0.97	0.03	0.00	0.00	**0.97**	0.00
1.00	78.27	0.83	0.00	0.00	**80.62**	0.00
11.47	+0.961	-0.961	-	-	**+0.961**	-
5.3.12 VERTICAL VENT 11						
3:16	34	1	0	**33**	0	0
MCS	0.97	0.03	0.00	**0.97**	0.00	0.00
1.00	78.27	0.83	0.00	**80.62**	0.00	0.00
11.87	+0.961	-0.961	-	**+0.961**	-	-

ITEM STATISTICS REPORT

for FF1 Haz Wildland 20140417 from PTS_StateOfCalifornia_Scores

Item Type Pts E.T.	Overall Admins p Avg rpb	Omits	A (True)	B (False)	C	D
5.3.09 DO SEARCH 19						
3:17	34	1	0	**33**	0	0
MCS	0.97	0.03	0.00	**0.97**	0.00	0.00
1.00	78.27	0.83	0.00	**80.62**	0.00	0.00
9.87	+0.961	-0.961	-	**+0.961**	-	-
5.3.07 VEHICLE FIRE 23						
3:18	34	1	0	2	0	**31**
MCS	0.91	0.03	0.00	0.06	0.00	**0.91**
1.00	78.27	0.83	0.00	76.24	0.00	**80.90**
12.80	+0.603	-0.961	-	-0.036	-	**+0.603**
5.3.10 INTERIOR ATCK 115						
3:19	34	1	0	2	**31**	0
MCS	0.91	0.03	0.00	0.06	**0.91**	0.00
1.00	78.27	0.83	0.00	81.40	**80.57**	0.00
9.35	+0.526	-0.961	-	+0.056	**+0.526**	-
5.3.01 SCBA 33						
3:20	34	1	**32**	1	0	0
MCS	0.94	0.03	**0.94**	0.03	0.00	0.00
1.00	78.27	0.83	**80.71**	77.69	0.00	0.00
9.50	+0.695	-0.961	**+0.695**	-0.007	-	-
5.2.01 EMERGENCY RSP 9						
3:21	34	1	0	0	**33**	0
MCS	0.97	0.03	0.00	0.00	**0.97**	0.00
1.00	78.27	0.83	0.00	0.00	**80.62**	0.00
10.60	+0.961	-0.961	-	-	**+0.961**	-
5.3.11 HORIZON VENT 62						
3:22	34	1	**32**	0	0	1
MCS	0.94	0.03	**0.94**	0.00	0.00	0.03
1.00	78.27	0.83	**80.64**	0.00	0.00	79.75
9.10	+0.677	-0.961	**+0.677**	-	-	+0.018
5.3.20 HOIST KNOTS 11						
3:23	34	1	**22**	3	8	0
MCS	0.65	0.03	**0.65**	0.09	0.24	0.00
1.00	78.27	0.83	**81.35**	81.27	78.36	0.00
13.92	+0.297	-0.961	**+0.297**	+0.066	+0.003	-

ITEM STATISTICS REPORT

for FF1 Haz Wildland 20140417 from PTS_StateOfCalifornia_Scores

Item Type Pts E.T.	Overall Admins p Avg rpb	Omits	A (True)	B (False)	C	D
5.3.09 DO SEARCH 55						
3:24	34	1	0	0	1	**32**
MCS	0.94	0.03	0.00	0.00	0.03	**0.94**
1.00	78.27	0.83	0.00	0.00	83.88	**80.51**
10.27	+0.640	-0.961	-	-	+0.070	**+0.640**
5.3.18 SCENE SAFETY 7						
3:25	34	2	0	0	**32**	0
MCS	0.94	0.06	0.00	0.00	**0.94**	0.00
1.00	78.27	37.81	0.00	0.00	**80.80**	0.00
12.97	+0.721	-0.721	-	-	**+0.721**	-
5.3.15 WATER SUPPLY 9						
3:26	34	1	0	0	**32**	1
MCS	0.94	0.03	0.00	0.00	**0.94**	0.03
1.00	78.27	0.83	0.00	0.00	**80.66**	79.34
15.85	+0.681	-0.961	-	-	**+0.681**	+0.013
5.3.11 HORIZON VENT 35						
3:27	34	1	0	2	0	**31**
MCS	0.91	0.03	0.00	0.06	0.00	**0.91**
1.00	78.27	0.83	0.00	76.24	0.00	**80.90**
12.50	+0.603	-0.961	-	-0.036	-	**+0.603**
5.3.06 GRND LADDERS 40						
3:28	34	1	0	**33**	0	0
MCS	0.97	0.03	0.00	**0.97**	0.00	0.00
1.00	78.27	0.83	0.00	**80.62**	0.00	0.00
12.83	+0.961	-0.961	-	**+0.961**	-	-
5.3.09 DO SEARCH 11						
3:29	34	1	0	**33**	0	0
MCS	0.97	0.03	0.00	**0.97**	0.00	0.00
1.00	78.27	0.83	0.00	**80.62**	0.00	0.00
6.68	+0.961	-0.961	-	**+0.961**	-	-
5.3.15 WATER SUPPLY 60						
3:30	34	2	0	4	**28**	0
MCS	0.82	0.06	0.00	0.12	**0.82**	0.00
1.00	78.27	39.26	0.00	84.50	**80.17**	0.00
15.65	+0.292	-0.695	-	+0.162	**+0.292**	-

ITEM STATISTICS REPORT

for FF1 Haz Wildland 20140417 from PTS_StateOfCalifornia_Scores

Item Type Pts E.T.	Overall Admins p Avg rpb	Omits	A (True)	B (False)	C	D
5.3.08 EXTERIOR FIRE 10						
3:31	34	1	**25**	0	1	7
MCS	0.74	0.03	**0.74**	0.00	0.03	0.21
1.00	78.27	0.83	**81.52**	0.00	74.38	78.28
18.77	+0.386	-0.961	**+0.386**	-	-0.048	+0.000
5.3.09 DO SEARCH 21						
3:32	34	1	0	0	**33**	0
MCS	0.97	0.03	0.00	0.00	**0.97**	0.00
1.00	78.27	0.83	0.00	0.00	**80.62**	0.00
9.90	+0.961	-0.961	-	-	**+0.961**	-
5.3.08 EXTERIOR FIRE 1						
3:33	34	1	**33**	0	0	0
MCS	0.97	0.03	**0.97**	0.00	0.00	0.00
1.00	78.27	0.83	**80.62**	0.00	0.00	0.00
10.58	+0.961	-0.961	**+0.961**	-	-	-
5.3.01 SCBA 51						
3:34	34	1	0	0	0	**33**
MCS	0.97	0.03	0.00	0.00	0.00	**0.97**
1.00	78.27	0.83	0.00	0.00	0.00	**80.62**
12.05	+0.961	-0.961	-	-	-	**+0.961**
5.3.15 WATER SUPPLY 3						
3:35	34	1	0	**33**	0	0
MCS	0.97	0.03	0.00	**0.97**	0.00	0.00
1.00	78.27	0.83	0.00	**80.62**	0.00	0.00
15.80	+0.961	-0.961	-	**+0.961**	-	-
5.3.02 RESPONSE SAFE 20						
3:36	34	1	**33**	0	0	0
MCS	0.97	0.03	**0.97**	0.00	0.00	0.00
1.00	78.27	0.83	**80.62**	0.00	0.00	0.00
11.02	+0.961	-0.961	**+0.961**	-	-	-
5.3.12 VERTICAL VENT 16						
3:37	34	1	0	0	**31**	2
MCS	0.91	0.03	0.00	0.00	**0.91**	0.06
1.00	78.27	0.83	0.00	0.00	**80.79**	77.89
21.62	+0.578	-0.961	-	-	**+0.578**	-0.007

ITEM STATISTICS REPORT

for FF1 Haz Wildland 20140417 from PTS_StateOfCalifornia_Scores

Item Type Pts E.T.	Overall Admins p Avg rpb	Omits	A (True)	B (False)	C	D
5.3.14 SALVAGE 8						
3:38	34	1	**29**	1	0	3
MCS	0.85	0.03	**0.85**	0.03	0.00	0.09
1.00	78.27	0.83	**80.89**	83.06	0.00	77.13
21.57	+0.450	-0.961	**+0.450**	+0.059	-	-0.025
5.3.08 EXTERIOR FIRE 19						
3:39	34	2	7	0	3	**22**
MCS	0.65	0.06	0.21	0.00	0.09	**0.65**
1.00	78.27	42.15	80.28	0.00	78.37	**80.90**
40.88	+0.254	-0.644	+0.073	-	+0.002	**+0.254**
5.3.07 VEHICLE FIRE 1						
3:40	34	1	13	5	**15**	0
MCS	0.44	0.03	0.38	0.15	**0.44**	0.00
1.00	78.27	0.83	79.50	79.75	**81.87**	0.00
20.95	+0.228	-0.961	+0.069	+0.044	**+0.228**	-
5.3.05 EXIT HAZARD 3						
3:41	34	1	**19**	4	7	3
MCS	0.56	0.03	**0.56**	0.12	0.21	0.09
1.00	78.27	0.83	**80.54**	79.65	80.81	81.96
35.30	+0.182	-0.961	**+0.182**	+0.036	+0.092	+0.082
5.3.20 HOIST KNOTS 1						
3:42	34	1	**32**	1	0	0
MCS	0.94	0.03	**0.94**	0.03	0.00	0.00
1.00	78.27	0.83	**80.54**	83.06	0.00	0.00
9.92	+0.648	-0.961	**+0.648**	+0.059	-	-
5.2.01 EMERGENCY RSP 15						
3:43	34	1	3	**17**	5	8
MCS	0.50	0.03	0.09	**0.50**	0.15	0.24
1.00	78.27	0.83	76.17	**81.31**	78.51	82.13
19.15	+0.217	-0.961	-0.047	**+0.217**	+0.007	+0.153
5.3.07 VEHICLE FIRE 19						
3:44	34	1	13	**19**	0	1
MCS	0.56	0.03	0.38	**0.56**	0.00	0.03
1.00	78.27	0.83	77.75	**82.30**	0.00	85.95
26.47	+0.323	-0.961	-0.029	**+0.323**	-	+0.095

ITEM STATISTICS REPORT

for FF1 Haz Wildland 20140417 from PTS_StateOfCalifornia_Scores

Item Type Pts E.T.	Overall Admins p Avg rpb	Omits	A (True)	B (False)	C	D
5.3.18 SCENE SAFETY 1						
3:45	34	1	0	0	2	**31**
MCS	0.91	0.03	0.00	0.00	0.06	**0.91**
1.00	78.27	0.83	0.00	0.00	78.93	**80.73**
10.48	+0.563	-0.961	-	-	+0.012	**+0.563**
5.3.10 INTERIOR ATCK 148						
3:46	34	1	0	0	0	**33**
MCS	0.97	0.03	0.00	0.00	0.00	**0.97**
1.00	78.27	0.83	0.00	0.00	0.00	**80.62**
16.67	+0.961	-0.961	-	-	-	**+0.961**
5.3.20 HOIST KNOTS 5						
3:47	34	1	**28**	4	0	1
MCS	0.82	0.03	**0.82**	0.12	0.00	0.03
1.00	78.27	0.83	**80.61**	80.99	0.00	79.34
7.75	+0.360	-0.961	**+0.360**	+0.071	-	+0.013
5.3.04 FORCIBLE ENTR 16						
3:48	34	1	**27**	4	2	0
MCS	0.79	0.03	**0.79**	0.12	0.06	0.00
1.00	78.27	0.83	**80.32**	81.30	83.26	0.00
17.28	+0.287	-0.961	**+0.287**	+0.079	+0.089	-
5.3.17 LIGHT SCENE 6						
3:49	34	1	**28**	3	0	2
MCS	0.82	0.03	**0.82**	0.09	0.00	0.06
1.00	78.27	0.83	**80.27**	83.33	0.00	81.40
17.12	+0.308	-0.961	**+0.308**	+0.112	-	+0.056
5.3.13 OVERHAUL 7						
3:50	34	1	**15**	0	14	4
MCS	0.44	0.03	**0.44**	0.00	0.41	0.12
1.00	78.27	0.83	**82.23**	0.00	79.90	77.07
18.88	+0.251	-0.961	**+0.251**	-	+0.097	-0.031
5.3.02 RESPONSE SAFE 29						
3:51	34	1	**32**	0	0	1
MCS	0.94	0.03	**0.94**	0.00	0.00	0.03
1.00	78.27	0.83	**80.53**	0.00	0.00	83.47
8.98	+0.644	-0.961	**+0.644**	-	-	+0.065

ITEM STATISTICS REPORT

for FF1 Haz Wildland 20140417 from PTS_StateOfCalifornia_Scores

Item Type Pts E.T.	Overall Admins p Avg rpb	Omits	A (True)	B (False)	C	D
5.3.03 SCENE CONTROL 5						
3:52	34	2	0	1	**31**	0
MCS	0.91	0.06	0.00	0.03	**0.91**	0.00
1.00	78.27	42.15	0.00	77.27	**80.63**	0.00
12.98	+0.542	-0.644	-	-0.012	**+0.542**	-
5.3.10 INTERIOR ATCK 56						
3:53	34	1	1	0	**32**	0
MCS	0.94	0.03	0.03	0.00	**0.94**	0.00
1.00	78.27	0.83	77.69	0.00	**80.71**	0.00
9.43	+0.695	-0.961	-0.007	-	**+0.695**	-
5.3.10 INTERIOR ATCK 11						
3:54	34	1	1	**22**	2	8
MCS	0.65	0.03	0.03	**0.65**	0.06	0.24
1.00	78.27	0.83	79.34	**81.27**	79.34	79.29
20.42	+0.290	-0.961	+0.013	**+0.290**	+0.019	+0.040
5.3.09 DO SEARCH 39						
3:55	34	1	5	1	0	**27**
MCS	0.79	0.03	0.15	0.03	0.00	**0.79**
1.00	78.27	0.83	79.01	78.10	0.00	**81.01**
18.33	+0.383	-0.961	+0.022	-0.002	-	**+0.383**
5.2.01 EMERGENCY RSP 25						
3:56	34	1	0	5	**25**	3
MCS	0.74	0.03	0.00	0.15	**0.74**	0.09
1.00	78.27	0.83	0.00	78.10	**81.60**	76.58
11.15	+0.396	-0.961	-	-0.005	**+0.396**	-0.037
5.3.07 VEHICLE FIRE 4						
3:57	34	1	1	**32**	0	0
MCS	0.94	0.03	0.03	**0.94**	0.00	0.00
1.00	78.27	0.83	80.99	**80.60**	0.00	0.00
10.08	+0.666	-0.961	+0.034	**+0.666**	-	-
5.3.10 INTERIOR ATCK 18						
3:58	34	1	**32**	0	1	0
MCS	0.94	0.03	**0.94**	0.00	0.03	0.00
1.00	78.27	0.83	**80.73**	0.00	76.86	0.00
18.67	+0.703	-0.961	**+0.703**	-	-0.017	-

ITEM STATISTICS REPORT

for FF1 Haz Wildland 20140417 from PTS_StateOfCalifornia_Scores

Item Type Pts E.T.	Overall Admins p Avg rpb	Omits	A (True)	B (False)	C	D
5.3.03 SCENE CONTROL 51						
3:59	34	1	0	**29**	2	2
MCS	0.85	0.03	0.00	**0.85**	0.06	0.06
1.00	78.27	0.83	0.00	**80.78**	79.13	79.75
18.65	+0.431	-0.961	-	**+0.431**	+0.015	+0.026
5.3.02 RESPONSE SAFE 1						
3:60	34	1	0	**33**	0	0
MCS	0.97	0.03	0.00	**0.97**	0.00	0.00
1.00	78.27	0.83	0.00	**80.62**	0.00	0.00
14.38	+0.961	-0.961	-	**+0.961**	-	-
5.3.02 RESPONSE SAFE 32						
3:61	34	1	1	2	**30**	0
MCS	0.88	0.03	0.03	0.06	**0.88**	0.00
1.00	78.27	0.83	79.75	78.10	**80.81**	0.00
15.07	+0.497	-0.961	+0.018	-0.003	**+0.497**	-
5.3.10 INTERIOR ATCK 24						
3:62	34	1	14	4	**15**	0
MCS	0.44	0.03	0.41	0.12	**0.44**	0.00
1.00	78.27	0.83	80.02	79.24	**81.54**	0.00
16.70	+0.207	-0.961	+0.104	+0.025	**+0.207**	-
5.3.02 RESPONSE SAFE 7						
3:63	34	1	0	0	**33**	0
MCS	0.97	0.03	0.00	0.00	**0.97**	0.00
1.00	78.27	0.83	0.00	0.00	**80.62**	0.00
9.60	+0.961	-0.961	-	-	**+0.961**	-
5.3.16 EXTINGUISHERS 7						
3:64	34	1	0	**25**	0	8
MCS	0.74	0.03	0.00	**0.74**	0.00	0.24
1.00	78.27	0.83	0.00	**80.28**	0.00	81.66
18.48	+0.239	-0.961	-	**+0.239**	-	+0.134
5.3.06 GRND LADDERS 29						
3:65	34	1	**33**	0	0	0
MCS	0.97	0.03	**0.97**	0.00	0.00	0.00
1.00	78.27	0.83	**80.62**	0.00	0.00	0.00
5.78	+0.961	-0.961	**+0.961**	-	-	-

ITEM STATISTICS REPORT

for FF1 Haz Wildland 20140417 from PTS_StateOfCalifornia_Scores

Item Type Pts E.T.	Overall Admins p Avg rpb	Omits	A (True)	B (False)	C	D
5.3.14 SALVAGE 29						
3:66	34	1	4	**29**	0	0
MCS	0.85	0.03	0.12	**0.85**	0.00	0.00
1.00	78.27	0.83	80.89	**80.58**	0.00	0.00
16.42	+0.397	-0.961	+0.068	**+0.397**	-	-
5.3.11 HORIZON VENT 84						
3:67	34	1	0	0	**33**	0
MCS	0.97	0.03	0.00	0.00	**0.97**	0.00
1.00	78.27	0.83	0.00	0.00	**80.62**	0.00
10.53	+0.961	-0.961	-	-	**+0.961**	-
5.3.11 HORIZON VENT 32						
3:68	34	1	0	**33**	0	0
MCS	0.97	0.03	0.00	**0.97**	0.00	0.00
1.00	78.27	0.83	0.00	**80.62**	0.00	0.00
5.95	+0.961	-0.961	-	**+0.961**	-	-
5.3.06 GRND LADDERS 15						
3:69	34	1	0	**33**	0	0
MCS	0.97	0.03	0.00	**0.97**	0.00	0.00
1.00	78.27	0.83	0.00	**80.62**	0.00	0.00
9.40	+0.961	-0.961	-	**+0.961**	-	-
5.3.11 HORIZON VENT 20						
3:70	34	1	0	0	0	**33**
MCS	0.97	0.03	0.00	0.00	0.00	**0.97**
1.00	78.27	0.83	0.00	0.00	0.00	**80.62**
9.13	+0.961	-0.961	-	-	-	**+0.961**
5.3.09 DO SEARCH 6						
3:71	34	1	2	**28**	0	3
MCS	0.82	0.03	0.06	**0.82**	0.00	0.09
1.00	78.27	0.83	73.97	**80.79**	0.00	83.47
14.72	+0.388	-0.961	-0.077	**+0.388**	-	+0.115
5.3.13 OVERHAUL 4						
3:72	34	1	7	3	0	**23**
MCS	0.68	0.03	0.21	0.09	0.00	**0.68**
1.00	78.27	0.83	80.87	81.82	0.00	**80.38**
11.95	+0.218	-0.961	+0.095	+0.079	-	**+0.218**

ITEM STATISTICS REPORT

for FF1 Haz Wildland 20140417 from PTS_StateOfCalifornia_Scores

Item Type Pts E.T.	Overall Admins p Avg rpb	Omits	A (True)	B (False)	C	D
5.3.13 OVERHAUL 24						
3:73	34	1	3	**25**	0	5
MCS	0.74	0.03	0.09	**0.74**	0.00	0.15
1.00	78.27	0.83	81.96	**80.78**	0.00	79.01
13.70	+0.298	-0.961	+0.082	**+0.298**	-	+0.022
5.3.06 GRND LADDERS 2						
3:74	34	1	0	0	0	**33**
MCS	0.97	0.03	0.00	0.00	0.00	**0.97**
1.00	78.27	0.83	0.00	0.00	0.00	**80.62**
5.93	+0.961	-0.961	-	-	-	**+0.961**
5.3.20 HOIST KNOTS 47						
3:75	34	1	29	**1**	1	2
MCS	0.03	0.03	0.85	**0.03**	0.03	0.06
1.00	78.27	0.83	81.12	**81.40**	70.66	77.89
22.48	+0.039	-0.961	+0.490	**+0.039**	-0.094	-0.007
5.3.01 SCBA 64						
3:76	34	1	**33**	0	0	0
MCS	0.97	0.03	**0.97**	0.00	0.00	0.00
1.00	78.27	0.83	**80.62**	0.00	0.00	0.00
13.08	+0.961	-0.961	**+0.961**	-	-	-
5.3.20 HOIST KNOTS 16						
3:77	34	1	0	0	**33**	0
MCS	0.97	0.03	0.00	0.00	**0.97**	0.00
1.00	78.27	0.83	0.00	0.00	**80.62**	0.00
11.73	+0.961	-0.961	-	-	**+0.961**	-
5.3.02 RESPONSE SAFE 17						
3:78	34	1	7	0	26	0
MCS	0.21	0.03	**0.21**	0.00	0.76	0.00
1.00	78.27	0.83	**80.70**	0.00	80.59	0.00
24.23	+0.088	-0.961	**+0.088**	-	+0.299	-
5.3.14 SALVAGE 46						
3:79	34	1	0	0	**33**	0
MCS	0.97	0.03	0.00	0.00	**0.97**	0.00
1.00	78.27	0.83	0.00	0.00	**80.62**	0.00
12.15	+0.961	-0.961	-	-	**+0.961**	-

ITEM STATISTICS REPORT

for FF1 Haz Wildland 20140417 from PTS_StateOfCalifornia_Scores

Item Type Pts E.T.	Overall Admins p Avg rpb	Omits	A (True)	B (False)	C	D
5.3.05 EXIT HAZARD 22						
3:80	34	1	1	**32**	0	0
MCS	0.94	0.03	0.03	**0.94**	0.00	0.00
1.00	78.27	0.83	77.69	**80.71**	0.00	0.00
14.65	+0.695	-0.961	-0.007	**+0.695**	-	-
5.2.03 COMMUNICATION 3						
3:81	34	1	**32**	1	0	0
MCS	0.94	0.03	**0.94**	0.03	0.00	0.00
1.00	78.27	0.83	**80.64**	79.75	0.00	0.00
9.55	+0.677	-0.961	**+0.677**	+0.018	-	-
5.3.01 SCBA 81						
3:82	34	1	0	0	0	**33**
MCS	0.97	0.03	0.00	0.00	0.00	**0.97**
1.00	78.27	0.83	0.00	0.00	0.00	**80.62**
17.82	+0.961	-0.961	-	-	-	**+0.961**
5.3.01 SCBA 54						
3:83	34	1	0	0	**32**	1
MCS	0.94	0.03	0.00	0.00	**0.94**	0.03
1.00	78.27	0.83	0.00	0.00	**80.60**	80.99
8.57	+0.666	-0.961	-	-	**+0.666**	+0.034
5.3.01 SCBA 7						
3:84	34	1	1	1	**31**	0
MCS	0.91	0.03	0.03	0.03	**0.91**	0.00
1.00	78.27	0.83	83.06	78.51	**80.61**	0.00
13.43	+0.535	-0.961	+0.059	+0.003	**+0.535**	-
5.3.06 GRND LADDERS 10						
3:85	34	1	0	0	**33**	0
MCS	0.97	0.03	0.00	0.00	**0.97**	0.00
1.00	78.27	0.83	0.00	0.00	**80.62**	0.00
11.98	+0.961	-0.961	-	-	**+0.961**	-
5.3.04 FORCIBLE ENTR 20						
3:86	34	1	0	0	0	**33**
MCS	0.97	0.03	0.00	0.00	0.00	**0.97**
1.00	78.27	0.83	0.00	0.00	0.00	**80.62**
10.25	+0.961	-0.961	-	-	-	**+0.961**

ITEM STATISTICS REPORT

for FF1 Haz Wildland 20140417 from PTS_StateOfCalifornia_Scores

Item Type Pts E.T.	Overall Admins p Avg rpb	Omits	A (True)	B (False)	C	D
5.3.10 INTERIOR ATCK 146						
3:87	34	1	**32**	0	1	0
MCS	0.94	0.03	**0.94**	0.00	0.03	0.00
1.00	78.27	0.83	**80.60**	0.00	80.99	0.00
9.77	+0.666	-0.961	**+0.666**	-	+0.034	-
5.3.14 SALVAGE 37						
3:88	34	1	**30**	3	0	0
MCS	0.88	0.03	**0.88**	0.09	0.00	0.00
1.00	78.27	0.83	**80.85**	78.24	0.00	0.00
16.30	+0.505	-0.961	**+0.505**	-0.001	-	-
5.3.06 GRND LADDERS 17						
3:89	34	1	0	0	0	**33**
MCS	0.97	0.03	0.00	0.00	0.00	**0.97**
1.00	78.27	0.83	0.00	0.00	0.00	**80.62**
7.63	+0.961	-0.961	-	-	-	**+0.961**
5.3.10 INTERIOR ATCK 116						
3:90	34	1	2	**1**	29	1
MCS	0.03	0.03	0.06	**0.03**	0.85	0.03
1.00	78.27	0.83	73.76	**77.69**	81.40	74.38
19.90	-0.007	-0.961	-0.080	**-0.007**	+0.538	-0.048
5.5.01 CLEAN/CHK EQP 8						
3:91	34	1	0	1	**32**	0
MCS	0.94	0.03	0.00	0.03	**0.94**	0.00
1.00	78.27	0.83	0.00	81.82	**80.58**	0.00
9.00	+0.659	-0.961	-	+0.044	**+0.659**	-
5.3.17 LIGHT SCENE 3						
3:92	34	1	2	**16**	14	1
MCS	0.47	0.03	0.06	**0.47**	0.41	0.03
1.00	78.27	0.83	82.44	**81.74**	78.87	83.47
17.77	+0.233	-0.961	+0.074	**+0.233**	+0.036	+0.065
5.3.05 EXIT HAZARD 15						
3:93	34	1	0	0	0	**33**
MCS	0.97	0.03	0.00	0.00	0.00	**0.97**
1.00	78.27	0.83	0.00	0.00	0.00	**80.62**
8.88	+0.961	-0.961	-	-	-	**+0.961**

ITEM STATISTICS REPORT

for FF1 Haz Wildland 20140417 from PTS_StateOfCalifornia_Scores

Item Type Pts E.T.	Overall Admins p Avg rpb	Omits	A (True)	B (False)	C	D
5.3.01 SCBA 53						
3:94	34	1	3	1	**24**	5
MCS	0.71	0.03	0.09	0.03	**0.71**	0.15
1.00	78.27	0.83	77.69	81.82	**81.53**	77.77
20.08	+0.360	-0.961	-0.013	+0.044	**+0.360**	-0.015
5.2.01 EMERGENCY RSP 10						
3:95	34	1	0	**33**	0	0
MCS	0.97	0.03	0.00	**0.97**	0.00	0.00
1.00	78.27	0.83	0.00	**80.62**	0.00	0.00
10.07	+0.961	-0.961	-	**+0.961**	-	-
5.3.14 SALVAGE 10						
3:96	34	1	**19**	9	3	2
MCS	0.56	0.03	**0.56**	0.26	0.09	0.06
1.00	78.27	0.83	**81.04**	81.04	77.00	80.17
19.00	+0.222	-0.961	**+0.222**	+0.118	-0.028	+0.034
5.3.13 OVERHAUL 14						
3:97	34	1	1	8	2	**22**
MCS	0.65	0.03	0.03	0.24	0.06	**0.65**
1.00	78.27	0.83	70.66	81.04	77.69	**81.18**
30.22	+0.281	-0.961	-0.094	+0.110	-0.010	**+0.281**
5.3.11 HORIZON VENT 42						
3:98	34	1	2	0	**31**	0
MCS	0.91	0.03	0.06	0.00	**0.91**	0.00
1.00	78.27	0.83	79.96	0.00	**80.66**	0.00
19.15	+0.548	-0.961	+0.030	-	**+0.548**	-
5.3.01 SCBA 42						
3:99	34	1	**31**	0	1	1
MCS	0.91	0.03	**0.91**	0.00	0.03	0.03
1.00	78.27	0.83	**80.82**	0.00	77.27	77.69
18.28	+0.584	-0.961	**+0.584**	-	-0.012	-0.007
5.3.11 HORIZON VENT 4						
3:100	34	1	**32**	1	0	0
MCS	0.94	0.03	**0.94**	0.03	0.00	0.00
1.00	78.27	0.83	**80.69**	78.10	0.00	0.00
13.17	+0.692	-0.961	**+0.692**	-0.002	-	-

ITEM STATISTICS REPORT

for FF1 Haz Wildland 20140417 from PTS_StateOfCalifornia_Scores

Item Type Pts E.T.	Overall Admins p Avg rpb	Omits	A (True)	B (False)	C	D
5.5.01 CLEAN/CHK EQP 42						
3:101	34	1	**32**	0	1	0
MCS	0.94	0.03	**0.94**	0.00	0.03	0.00
1.00	78.27	0.83	**80.81**	0.00	74.38	0.00
11.02	+0.725	-0.961	**+0.725**	-	-0.048	-
5.3.04 FORCIBLE ENTR 30						
3:102	34	1	13	**16**	2	2
MCS	0.47	0.03	0.38	**0.47**	0.06	0.06
1.00	78.27	0.83	81.63	**80.89**	77.48	75.00
29.73	+0.176	-0.961	+0.188	**+0.176**	-0.014	-0.058
5.3.10 INTERIOR ATCK 127						
3:103	34	1	0	0	**33**	0
MCS	0.97	0.03	0.00	0.00	**0.97**	0.00
1.00	78.27	0.83	0.00	0.00	**80.62**	0.00
9.55	+0.961	-0.961	-	-	**+0.961**	-
5.3.16 EXTINGUISHERS 5						
3:104	34	1	2	**30**	0	1
MCS	0.88	0.03	0.06	**0.88**	0.00	0.03
1.00	78.27	0.83	77.89	**80.79**	0.00	80.99
22.67	+0.491	-0.961	-0.007	**+0.491**	-	+0.034
5.3.12 VERTICAL VENT 25						
3:105	34	1	0	17	**16**	0
MCS	0.47	0.03	0.00	0.50	**0.47**	0.00
1.00	78.27	0.83	0.00	79.44	**81.87**	0.00
14.87	+0.242	-0.961	-	+0.083	**+0.242**	-
5.2.03 COMMUNICATION 7						
3:106	34	1	**32**	1	0	0
MCS	0.94	0.03	**0.94**	0.03	0.00	0.00
1.00	78.27	0.83	**80.93**	70.66	0.00	0.00
7.43	+0.758	-0.961	**+0.758**	-0.094	-	-
5.1.1 GEN KNOWL REQ 11						
3:107	34	1	9	**10**	13	1
MCS	0.29	0.03	0.26	**0.29**	0.38	0.03
1.00	78.27	0.83	81.31	**83.22**	78.32	78.10
18.43	+0.228	-0.961	+0.130	**+0.228**	+0.003	-0.002

ITEM STATISTICS REPORT

for FF1 Haz Wildland 20140417 from PTS_StateOfCalifornia_Scores

Item Type Pts E.T.	Overall Admins p Avg rpb	Omits	A (True)	B (False)	C	D
5.3.09 DO SEARCH 9						
3:108	34	1	0	**30**	1	2
MCS	0.88	0.03	0.00	**0.88**	0.03	0.06
1.00	78.27	0.83	0.00	**80.51**	83.47	80.79
16.30	+0.437	-0.961	-	**+0.437**	+0.065	+0.045
5.3.14 SALVAGE 11						
3:109	34	1	1	4	**26**	2
MCS	0.76	0.03	0.03	0.12	**0.76**	0.06
1.00	78.27	0.83	85.95	78.10	**80.56**	83.68
11.97	+0.295	-0.961	+0.095	-0.004	**+0.295**	+0.096
5.3.13 OVERHAUL 11						
3:110	34	1	1	1	**31**	0
MCS	0.91	0.03	0.03	0.03	**0.91**	0.00
1.00	78.27	0.83	79.34	82.23	**80.61**	0.00
12.68	+0.535	-0.961	+0.013	+0.049	**+0.535**	-
5.3.03 SCENE CONTROL 46						
3:111	34	1	0	1	0	**32**
MCS	0.94	0.03	0.00	0.03	0.00	**0.94**
1.00	78.27	0.83	0.00	74.38	0.00	**80.81**
9.32	+0.725	-0.961	-	-0.048	-	**+0.725**
5.3.12 VERTICAL VENT 19						
3:112	34	1	0	0	0	**33**
MCS	0.97	0.03	0.00	0.00	0.00	**0.97**
1.00	78.27	0.83	0.00	0.00	0.00	**80.62**
6.37	+0.961	-0.961	-	-	-	**+0.961**
5.5.02 CLEAN HOSE 10						
3:113	34	1	0	**13**	12	8
MCS	0.38	0.03	0.00	**0.38**	0.35	0.24
1.00	78.27	0.83	0.00	**81.09**	80.82	79.55
20.53	+0.158	-0.961	-	**+0.158**	+0.134	+0.050
5.3.18 SCENE SAFETY 8						
3:114	34	1	0	**33**	0	0
MCS	0.97	0.03	0.00	**0.97**	0.00	0.00
1.00	78.27	0.83	0.00	**80.62**	0.00	0.00
8.92	+0.961	-0.961	-	**+0.961**	-	-

ITEM STATISTICS REPORT

for FF1 Haz Wildland 20140417 from PTS_StateOfCalifornia_Scores

Item Type Pts E.T.	Overall Admins p Avg rpb	Omits	A (True)	B (False)	C	D
5.3.10 INTERIOR ATCK 130						
3:115	34	1	**32**	0	1	0
MCS	0.94	0.03	**0.94**	0.00	0.03	0.00
1.00	78.27	0.83	**80.57**	0.00	82.23	0.00
5.72	+0.655	-0.961	**+0.655**	-	+0.049	-
5.5.02 CLEAN HOSE 22						
3:116	34	1	7	18	5	3
MCS	0.21	0.03	**0.21**	0.53	0.15	0.09
1.00	78.27	0.83	**79.52**	80.85	80.17	82.51
30.92	+0.045	-0.961	**+0.045**	+0.195	+0.056	+0.094
5.3.10 INTERIOR ATCK 107						
3:117	34	1	**33**	0	0	0
MCS	0.97	0.03	**0.97**	0.00	0.00	0.00
1.00	78.27	0.83	**80.62**	0.00	0.00	0.00
4.43	+0.961	-0.961	**+0.961**	-	-	-
5.3.10 INTERIOR ATCK 110						
3:118	34	1	0	0	2	**31**
MCS	0.91	0.03	0.00	0.00	0.06	**0.91**
1.00	78.27	0.83	0.00	0.00	79.13	**80.71**
9.57	+0.560	-0.961	-	-	+0.015	**+0.560**
5.3.06 GRND LADDERS 13						
3:119	34	2	6	**24**	2	0
MCS	0.71	0.06	0.18	**0.71**	0.06	0.00
1.00	78.27	38.64	78.51	**81.27**	81.20	0.00
22.33	+0.331	-0.707	+0.008	**+0.331**	+0.052	-
5.3.02 RESPONSE SAFE 36						
3:120	34	1	0	**33**	0	0
MCS	0.97	0.03	0.00	**0.97**	0.00	0.00
1.00	78.27	0.83	0.00	**80.62**	0.00	0.00
8.38	+0.961	-0.961	-	**+0.961**	-	-
5.3.08 EXTERIOR FIRE 12						
3:121	34	1	1	0	0	**32**
MCS	0.94	0.03	0.03	0.00	0.00	**0.94**
1.00	78.27	0.83	70.66	0.00	0.00	**80.93**
13.48	+0.758	-0.961	-0.094	-	-	**+0.758**

ITEM STATISTICS REPORT

for FF1 Haz Wildland 20140417 from PTS_StateOfCalifornia_Scores

Item Type Pts E.T.	Overall Admins p Avg rpb	Omits	A (True)	B (False)	C	D
5.3.20 HOIST KNOTS 2						
3:122	34	1	0	0	**33**	0
MCS	0.97	0.03	0.00	0.00	**0.97**	0.00
1.00	78.27	0.83	0.00	0.00	**80.62**	0.00
5.55	+0.961	-0.961	-	-	**+0.961**	-
5.3.20 HOIST KNOTS 7						
3:123	34	1	**33**	0	0	0
MCS	0.97	0.03	**0.97**	0.00	0.00	0.00
1.00	78.27	0.83	**80.62**	0.00	0.00	0.00
8.43	+0.961	-0.961	**+0.961**	-	-	-
5.3.11 HORIZON VENT 21						
3:124	34	1	0	1	**32**	0
MCS	0.94	0.03	0.00	0.03	**0.94**	0.00
1.00	78.27	0.83	0.00	76.86	**80.73**	0.00
12.57	+0.703	-0.961	-	-0.017	**+0.703**	-
5.3.07 VEHICLE FIRE 6						
3:125	34	1	**33**	0	0	0
MCS	0.97	0.03	**0.97**	0.00	0.00	0.00
1.00	78.27	0.83	**80.62**	0.00	0.00	0.00
8.33	+0.961	-0.961	**+0.961**	-	-	-
5.3.03 SCENE CONTROL 10						
3:126	34	1	4	0	**29**	0
MCS	0.85	0.03	0.12	0.00	**0.85**	0.00
1.00	78.27	0.83	82.54	0.00	**80.35**	0.00
20.22	+0.357	-0.961	+0.111	-	**+0.357**	-
5.3.07 VEHICLE FIRE 26						
3:127	34	1	**18**	10	2	3
MCS	0.53	0.03	**0.53**	0.29	0.06	0.09
1.00	78.27	0.83	**80.67**	79.21	83.06	83.33
18.95	+0.182	-0.961	**+0.182**	+0.044	+0.085	+0.112
5.3.08 EXTERIOR FIRE 4						
3:128	34	1	3	3	**27**	0
MCS	0.79	0.03	0.09	0.09	**0.79**	0.00
1.00	78.27	0.83	76.72	79.20	**81.21**	0.00
22.38	+0.411	-0.961	-0.034	+0.021	**+0.411**	-

ITEM STATISTICS REPORT

for FF1 Haz Wildland 20140417 from PTS_StateOfCalifornia_Scores

Item Type Pts E.T.	Overall Admins p Avg rpb	Omits	A (True)	B (False)	C	D
5.3.15 WATER SUPPLY 11						
3:129	34	1	**31**	2	0	0
MCS	0.91	0.03	**0.91**	0.06	0.00	0.00
1.00	78.27	0.83	**81.02**	74.38	0.00	0.00
11.98	+0.630	-0.961	**+0.630**	-0.069	-	-
5.3.02 RESPONSE SAFE 16						
3:130	34	1	0	2	0	**31**
MCS	0.91	0.03	0.00	0.06	0.00	**0.91**
1.00	78.27	0.83	0.00	78.31	0.00	**80.77**
19.97	+0.572	-0.961	-	+0.001	-	**+0.572**
5.3.03 SCENE CONTROL 9						
3:131	34	1	1	0	**32**	0
MCS	0.94	0.03	0.03	0.00	**0.94**	0.00
1.00	78.27	0.83	74.38	0.00	**80.81**	0.00
15.88	+0.725	-0.961	-0.048	-	**+0.725**	-
5.3.06 GRND LADDERS 1						
3:132	34	1	0	**33**	0	0
MCS	0.97	0.03	0.00	**0.97**	0.00	0.00
1.00	78.27	0.83	0.00	**80.62**	0.00	0.00
9.57	+0.961	-0.961	-	**+0.961**	-	-
5.3.01 SCBA 58						
3:133	34	1	0	0	**33**	0
MCS	0.97	0.03	0.00	0.00	**0.97**	0.00
1.00	78.27	0.83	0.00	0.00	**80.62**	0.00
7.45	+0.961	-0.961	-	-	**+0.961**	-
5.3.10 INTERIOR ATCK 5						
3:134	34	1	**27**	0	1	5
MCS	0.79	0.03	**0.79**	0.00	0.03	0.15
1.00	78.27	0.83	**81.48**	0.00	76.45	76.78
8.12	+0.450	-0.961	**+0.450**	-	-0.023	-0.044
5.3.09 DO SEARCH 2						
3:135	34	1	4	0	**28**	1
MCS	0.82	0.03	0.12	0.00	**0.82**	0.03
1.00	78.27	0.83	80.79	0.00	**80.95**	70.66
27.07	+0.413	-0.961	+0.066	-	**+0.413**	-0.094

ITEM STATISTICS REPORT

for FF1 Haz Wildland 20140417 from PTS_StateOfCalifornia_Scores

Item Type Pts E.T.	Overall Admins p Avg rpb	Omits	A (True)	B (False)	C	D
5.3.09 DO SEARCH 71						
3:136	34	1	1	0	0	**32**
MCS	0.94	0.03	0.03	0.00	0.00	**0.94**
1.00	78.27	0.83	74.79	0.00	0.00	**80.80**
7.92	+0.721	-0.961	-0.043	-	-	**+0.721**
5.2.03 COMMUNICATION 2						
3:137	34	1	1	0	0	**32**
MCS	0.94	0.03	0.03	0.00	0.00	**0.94**
1.00	78.27	0.83	70.66	0.00	0.00	**80.93**
14.63	+0.758	-0.961	-0.094	-	-	**+0.758**
5.3.18 SCENE SAFETY 3						
3:138	34	1	0	**33**	0	0
MCS	0.97	0.03	0.00	**0.97**	0.00	0.00
1.00	78.27	0.83	0.00	**80.62**	0.00	0.00
10.88	+0.961	-0.961	-	**+0.961**	-	-
5.3.05 EXIT HAZARD 6						
3:139	34	1	0	0	**30**	3
MCS	0.88	0.03	0.00	0.00	**0.88**	0.09
1.00	78.27	0.83	0.00	0.00	**80.95**	77.27
16.83	+0.524	-0.961	-	-	**+0.524**	-0.022
5.3.08 EXTERIOR FIRE 9						
3:140	34	1	**18**	14	1	0
MCS	0.53	0.03	**0.53**	0.41	0.03	0.00
1.00	78.27	0.83	**81.59**	80.08	70.66	0.00
18.20	+0.251	-0.961	**+0.251**	+0.108	-0.094	-
5.3.06 GRND LADDERS 23						
3:141	34	1	**30**	0	2	1
MCS	0.88	0.03	**0.88**	0.00	0.06	0.03
1.00	78.27	0.83	**80.85**	0.00	76.86	80.99
12.50	+0.505	-0.961	**+0.505**	-	-0.025	+0.034
5.1.1 GEN KNOWL REQ 18						
3:142	34	1	**6**	26	1	0
MCS	0.18	0.03	**0.18**	0.76	0.03	0.00
1.00	78.27	0.83	**82.44**	80.32	77.27	0.00
15.77	+0.138	-0.961	**+0.138**	+0.264	-0.012	-

ITEM STATISTICS REPORT

for FF1 Haz Wildland 20140417 from PTS_StateOfCalifornia_Scores

Item Type Pts E.T.	Overall Admins p Avg rpb	Omits	A (True)	B (False)	C	D
5.3.03 SCENE CONTROL 41						
3:143	34	1	0	0	0	**33**
MCS	0.97	0.03	0.00	0.00	0.00	**0.97**
1.00	78.27	0.83	0.00	0.00	0.00	**80.62**
11.05	+0.961	-0.961	-	-	-	**+0.961**
5.5.01 CLEAN/CHK EQP 37						
3:144	34	1	1	0	0	**32**
MCS	0.94	0.03	0.03	0.00	0.00	**0.94**
1.00	78.27	0.83	70.66	0.00	0.00	**80.93**
11.73	+0.758	-0.961	-0.094	-	-	**+0.758**
5.5.01 CLEAN/CHK EQP 43						
3:145	34	1	0	0	17	**16**
MCS	0.47	0.03	0.00	0.00	0.50	**0.47**
1.00	78.27	0.83	0.00	0.00	79.65	**81.64**
20.18	+0.226	-0.961	-	-	+0.099	**+0.226**
5.3.11 HORIZON VENT 31						
3:146	34	1	0	**27**	0	6
MCS	0.79	0.03	0.00	**0.79**	0.00	0.18
1.00	78.27	0.83	0.00	**80.70**	0.00	80.23
13.57	+0.341	-0.961	-	**+0.341**	-	+0.065
5.3.13 OVERHAUL 34						
3:147	34	1	0	3	8	**22**
MCS	0.65	0.03	0.00	0.09	0.24	**0.65**
1.00	78.27	0.83	0.00	81.82	78.72	**81.14**
15.88	+0.277	-0.961	-	+0.079	+0.018	**+0.277**
5.3.05 EXIT HAZARD 17						
3:148	34	1	0	0	**31**	2
MCS	0.91	0.03	0.00	0.00	**0.91**	0.06
1.00	78.27	0.83	0.00	0.00	**81.03**	74.17
9.12	+0.633	-0.961	-	-	**+0.633**	-0.073
5.3.12 VERTICAL VENT 20						
3:149	34	1	0	1	**31**	1
MCS	0.91	0.03	0.00	0.03	**0.91**	0.03
1.00	78.27	0.83	0.00	79.34	**80.98**	70.66
13.72	+0.621	-0.961	-	+0.013	**+0.621**	-0.094

ITEM STATISTICS REPORT

for FF1 Haz Wildland 20140417 from PTS_StateOfCalifornia_Scores

Item Type Pts E.T.	Overall Admins p Avg rpb	Omits	A (True)	B (False)	C	D
5.3.10 INTERIOR ATCK 119						
3:150	34	1	0	**28**	5	0
MCS	0.82	0.03	0.00	**0.82**	0.15	0.00
1.00	78.27	0.83	0.00	**81.17**	77.52	0.00
9.80	+0.447	-0.961	-	**+0.447**	-0.022	-
5.3.03 SCENE CONTROL 12						
3:151	34	1	0	0	0	**33**
MCS	0.97	0.03	0.00	0.00	0.00	**0.97**
1.00	78.27	0.83	0.00	0.00	0.00	**80.62**
7.40	+0.961	-0.961	-	-	-	**+0.961**
5.3.13 OVERHAUL 3						
3:152	34	1	0	0	0	**33**
MCS	0.97	0.03	0.00	0.00	0.00	**0.97**
1.00	78.27	0.83	0.00	0.00	0.00	**80.62**
5.67	+0.961	-0.961	-	-	-	**+0.961**
5.3.17 LIGHT SCENE 16						
3:153	34	1	5	**16**	1	11
MCS	0.47	0.03	0.15	**0.47**	0.03	0.32
1.00	78.27	0.83	82.64	**80.42**	74.38	80.54
25.17	+0.145	-0.961	+0.130	**+0.145**	-0.048	+0.112
5.3.07 VEHICLE FIRE 27						
3:154	34	1	**27**	0	4	2
MCS	0.79	0.03	**0.79**	0.00	0.12	0.06
1.00	78.27	0.83	**81.65**	0.00	76.96	73.97
22.12	+0.473	-0.961	**+0.473**	-	-0.034	-0.077
5.5.02 CLEAN HOSE 12						
3:155	34	1	0	4	0	**29**
MCS	0.85	0.03	0.00	0.12	0.00	**0.85**
1.00	78.27	0.83	0.00	79.13	0.00	**80.82**
9.17	+0.438	-0.961	-	+0.022	-	**+0.438**
5.3.12 VERTICAL VENT 59						
3:156	34	1	**32**	0	0	1
MCS	0.94	0.03	**0.94**	0.00	0.00	0.03
1.00	78.27	0.83	**80.59**	0.00	0.00	81.40
10.83	+0.662	-0.961	**+0.662**	-	-	+0.039

ITEM STATISTICS REPORT

for FF1 Haz Wildland 20140417 from PTS_StateOfCalifornia_Scores

Item Type Pts E.T.	Overall Admins p Avg rpb	Omits	A (True)	B (False)	C	D
5.3.02 RESPONSE SAFE 18						
3:157	34	1	0	0	**33**	0
MCS	0.97	0.03	0.00	0.00	**0.97**	0.00
1.00	78.27	0.83	0.00	0.00	**80.62**	0.00
12.78	+0.961	-0.961	-	-	**+0.961**	-
5.3.18 SCENE SAFETY 6						
3:158	34	1	0	2	**30**	1
MCS	0.88	0.03	0.00	0.06	**0.88**	0.03
1.00	78.27	0.83	0.00	76.45	**81.23**	70.66
15.33	+0.577	-0.961	-	-0.032	**+0.577**	-0.094
5.3.05 EXIT HAZARD 18						
3:159	34	0	0	1	**33**	0
MCS	0.97	0.00	0.00	0.03	**0.97**	0.00
1.00	78.27	0.00	0.00	74.79	**78.37**	0.00
25.20	+0.043	-	-	-0.043	**+0.043**	-