



**DEPARTMENT OF FORESTRY AND FIRE PROTECTION
OFFICE OF THE STATE FIRE MARSHAL
FIRE ENGINEERING DIVISION**

P.O. Box 944246
SACRAMENTO, CA 94244-2460
Website: www.fire.ca.gov
(916) 445-8200



DRAFT

**AUTOMATIC EXTINGUISHING SYSTEMS ADVISORY COMMITTEE
MEETING ACCOUNT
Wednesday, August 24, 2005**

Committee Goal: To provide a means of communication between the Office of the State Fire Marshal, representatives of industry, the public and the fire service; and to seek comments and specific views on proposed regulations and intended future action.

Members Present:

James Parsegian, Program Coordinator
Robert Blankenship, California Department of Corrections
Lorin Neyer, OSHPD
Eddie Vasquez, DGS State Architect
Russell Blair, Sacramento Metropolitan Fire District
Patrick Chew, City of Roseville Fire Department
Randy Dysart, Beacon Fire & Safety
Jim Feld, Feld Engineering
Dave Foster, Insurance Services Office
Jesse Franco, City of Los Angeles Fire Department
Chris Gilbert, Simplex Grinnell
Christopher Gray, City of Glendale Fire Department
Dennis Grubb, Orange County Fire Authority
Darrell Harguth, Brooks Fire Equipment
Steve Hart, NAS-IP
Darrell Hefley, Jorgensen & Co.
Sam Husoe, NFSA
Ken Liming, Insurance Services Office
Jim McLaughlin, Lund, Pearson, McLaughlin
Gary Boyles, Rodeo-Hercules Fire District

Members Absent:

Mike Richwine, Chair
Fred Benn, Advanced Automatic Sprinkler, Inc.
Gary Boyles, Rodeo-Hercules Fire District
Wayne Martin, FSABSC
Robert Raymer, California Building Industry Association
David Casey, Department of State Architect
Jason Nailon Apple Valley FPD
Barry Sigal, Rep. Manufacturer's
Tom Walsh, Santa Clara County Fire Department
Jaymae Wentker, City of Mountain View
Mike Waldron, Simplex-Grinnell

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I. Call to Order:

Supervising DSFM James Parsegian called the meeting to order at 10:02 a.m. at the Southern California Edison CTAC Facility at 6090 N. Irwindale, Irwindale, CA in the Conference Room.

II. Roll Call:

Chair James Parsegian called the roll of the AES Advisory Committee Members noting those present and those absent.

III. Self Introductions:

Chair James Parsegian asked for self-introductions of those present, in order to introduce “new” Advisory Committee members and “old” Advisory Committee members alike as well as any guests for the day.

IV. Approval of the Minutes:

Chair James Parsegian asked for approval of the meeting minutes (04-06-05) of the AES Advisory Committee, which was held in Sacramento, CA. Chair James Parsegian asked if there were any additions or corrections to the minutes as mailed. Member Scott McMillan asked that his name be taken off the minutes (reflected as being “Members Absent”) as he was not yet a member of the Advisory Committee. Chair Parsegian indicated that in fact he was a member; however, he had not been sent the Letter confirming his appointment to the AES Advisory Committee, nor was he sent a packet for the meeting, thus was not made aware of the meeting. Chair Parsegian stated not to worry about that because it was caused by the CSFM and not those new members who hadn’t been notified. Member Steve Hart brought up the point that while the AES Advisory Committee met for nearly 4-hours, the meeting minutes were about 1-1/4 pages in length (not counting those Members Present and those Members Absent), and also wondered what “DRAFT” means with regard to the minutes? Can we assume that there will be a completed set of minutes, which will be mailed out to the Advisory Committee members? Chair Parsegian stated that the “DRAFT” stamp was simply to indicate the minutes were in draft form and as soon as this Committee “approves” the minutes, then they will be the final set of minutes and placed on the CDF-CSFM Website. Member Steve Hart further stated that the “Draft” Minutes as mailed are inadequate to say the least, and do not reflect the work and discussions of the AES Advisory Committee and the participation of the membership. Chair Parsegian indicated that these minutes, as mailed, reflect the style that the Office (of the State Fire Marshal) has said to go to. Member Steve Hart further stated that these minutes do not capture a history, to go back to at a later date. These minutes do not reflect anything this Committee is doing or any of the participants that are making input into a 4-hour meeting. Chair Parsegian asked for other comments. Another member (first time Member) stated that he didn’t know that these were the meeting minutes, but rather an edited version and Chair Parsegian stated that he cannot disagree with that comment, but indicated that the problem is staff time, and that it takes a lot of time to prepare minutes. Member Steve Hart suggested that the way to solve that problem is to ask, “Who wants to do the minutes?”. Chair Parsegian stated that if that is the case, we could bring that up. Chair Parsegian further stated that the CSFM does keep the tape copies of all the Advisory Committee Meetings, and if we needed to go back to a specific item, we do have that capability.

Chair Parsegian asked for any further comments and hearing none, asked once again if we have a motion to approve the minutes as mailed. There was no motion to approve the minutes. Chair Parsegian asked if there was a motion to not approve the minutes. Member Jim McLaughlin made a motion not to approve the minutes as mailed. Member Chris Gilbert and Member Randy Dysart seconded the motion not to approve the minutes. Chair Parsegian asked for discussion and what we want to do?

It was suggested that we have someone volunteer to prepare the minutes off the tapes, and to bring them back to the next meeting for approval. Member Steve Hart explained that having just completed the minutes for the MITS Working Group, a 3-1/2 hour meeting which took 12-pages to write the minutes, reflects that it does take time, and that everyone would agree that I (Steve Hart) may go into too much detail in the minutes; however, it is worthy of trying to capture the comments of the participants.

Member Steve Hart stated that he has a hard time seeing where the support is when the AES Advisory Committee brings together "Subject Matter Experts" from industry, local jurisdictions and state agencies to a meeting for 4-hours ends up being a 1-1/4 page document (meeting minutes). Basically the minutes reflect "we came, we saw, we left". The expenditure of money, time and effort in getting to these meetings, having a tape recording and the transcribing that tape recording requires that there has to be a buy-in from the State Fire Marshal's Office from a clerical support level.

And finally, Member Steve Hart volunteered to rewrite the minutes, having brought up the rejection of the minutes issue to start with. He indicated that he would get them out in a timely fashion (within the next 30-days).

Chair Parsegian restated the motion on the floor to reject the minutes as mailed, and to have the rewritten by Member Steve Hart within the next 30-days, and then to get them out for review. Member Jim McLaughlin concurred with the modification to his motion, and a second by Member Chris Gilbert and Member Randy Dysart, Chair Parsegian called for the vote, and the motion passed unanimously by Members of the Advisory Committee.

V. Old Business:

Chair Parsegian indicated the AES Advisory Committee currently has two Working Groups (Title-19/NFPA-25 Working Group and MITS Working Group), which are chaired by Jim Feld and Steve Hart respectively. He asked that each chair give an update to the AES Advisory Committee on the activities of their Working Groups.

Title-19/NFPA-25 Working Group:

Chair Parsegian also stated that the CA State Fire Marshal, through the recommendations of the Title-19/NFPA-25 Working Group, has submitted seven (7) code change proposals to the NFPA-25 Technical Committee which met in Detroit, Michigan on August 16-17, 2005. According to Chair Parsegian, there were approximately 230 proposals, including our seven (7).

Jim Feld reported on the actions of the NFPA-25 Technical Committee, related to our submitted proposed changes. He indicated that the NFPA-25 Technical Committee accepted two (2) of California's proposals:

- Requiring testing of fire suppression systems water tank refilling devices,
- Requiring changing out of recalled products.
(**Note:** *The Technical Committee made a distinction between "Recalled Products" and "Voluntary Replacement".*)

The five (5) proposals submitted by California that were not accepted by the NFPA-25 Technical Committee were:

- Inspection of sprinklers in accessible concealed spaces,
- Inspection of hangers and bracing in accessible concealed spaces,
- Backflushing of the Fire Department Connection (FDC)
- Standpipes supplied by fire pumps that are staged in series due to the height of the building that the FDC only has to supply the highest fire pump,
- All components in the system shall be tested to verify that they function as originally designed, installed and approved. Chair Parsegian stated that he was present during the deliberation of these proposed changes, and felt that the Technical Committee's view in rejecting several of the changes was that if you can't see it, it must be okay. Another point was that they did not want to increase the costs, nor increase contractors liability to ceilings while trying to inspect devices in accessible Chair Parsegian stated that he was present during the deliberation of these proposed changes, and felt that the Technical Committee's view in rejecting several of the changes was that if you can't see it, it must be okay. Another point was that they did not want to increase the costs, nor increase contractors liability to ceilings while trying to inspect devices in accessible concealed spaces. And finally, that there was a lack of data to support these new requirements.

Jim Feld stressed that we need data to support our efforts to see changes to the NFPA-25 document. He urged everyone to start collecting examples of closed valves, broken or missing hangers and bracing, failure of flow switches, and to send this data to DSFM James Parsegian so that we can begin to build our case. He noted that in the scheme of things, the Working Group is attempting to develop standardized inspection forms for the California Edition of NFPA-25, and to design these forms so that eventually we could start collecting data on a statewide basis.

Member Steve Hart noted that while we say that we had only two (2) of the seven (7) proposals accepted by the NFPA-25 Technical Committee, we should not lose sight of the fact that in essence we had 28% accepted, which isn't bad for the first time out. He went on to say that this is probably the first time that the CA State Fire Marshal has ever submitted a code change proposal to the NFPA Technical Committee (System). Chair Parsegian re-enforced that by stating that this is the first time that the OSFM has ever submitted a Code Change to the NFPA Process.

Chair Parsegian clarified any issues raised with regard to having these seven (7) proposals adopted for the State of California. It was noted that these seven changes, are currently included in the NFPA-25 California Edition which if and when adopted will be done so as a Title-19 Regulation. He also noted that currently the only amendments to NFPA Standards adopted within the California Building Code (2001 CBC – Chapter 35) and California Fire Code (2001 CFC – Article 91) are contained in the NFPA-13 and NFPA-72 and that the proposal before the CBSC is to have only one (1) amendment to the 2002 NFPA-13 which will address fasteners for seismic bracing. It was pointed out that the other amendments had been picked up by the NFPA-13 Technical Committee in prior editions (1999, 1996).

Chair Parsegian also noted to the AES Advisory Committee that NFPA has agreed to publish the NFPA-25 – California Edition, which will have all the amendments and changes, which the Title-19/NFPA-25 Working Group has been working toward for the past 7-plus years. He went on to say that one of the primary directions of the Working Group (early on in the process) was to not reduce the current requirements as noted in Title-19, CCR, Chapter 5. It was also noted that the proposed changes for moving from Title-19, CCR, Chapter 5 to the NFPA-25 – California Edition are currently posted on the State Fire Marshal website: (<http://osfm.fire.ca.gov/pdf/firemarshal/nfpa25amend.pdf>). The proposed changes to Title-19, CCR, Chapter 5 can also be found on the State Fire Marshal website: (<http://osfm.fire.ca.gov/pdf/firemarshal/title19ccr.pdf>).

Chair Parsegian stated that as an **ACTION ITEM** for the next meeting, that he would provide copies of the NFPA-25 – California Edition for AES Advisory Committee Members. Jim Feld indicated that the next meeting of the Working Group will be September 7, 2005 at 09:30 a.m. at the Orange County Fire Authority, #1 Fire Authority Road, Irvine, CA. A general discussion regarding inspection forms was held with input from Member Sam Husoe who indicated that the Working Group is working on several different forms, which would address the various systems (wet, dry, pre-action, standpipes, fire pumps, etc.) to be very clear on just what had to be checked during the various inspections. It was also noted by Chair Parsegian that with the large spectrum of Fire Agencies statewide, some who wanted the forms sent to them for review/filing while others didn't want to have the forms sent to them that there is a dilemma, which we will be working to resolve. Member Steve Hart also noted that currently in the regulations of Title-19, CCR, Chapter 5, Section 904.2(j) the inspection forms (report) are specifically directed to the building or system owner and if the local fire department wishes a copy, he/she must ask the building/system owner, not the contractor/service company.

Section 904.2(j) states: *“The building or system owner shall provide the local fire department with a report of the results of any service when required by the local fire department to do so.”*

Member Jesse Franco stated that in the City of Los Angeles, under Chiefs' Regulation No. 4, the service company/contractor is required to submit a copy of the inspection/service report to the Fire Department, and that his Unit reviews each form before filing to insure that corrective action has been taken. Member Russell Blair stated that one problem he sees with the current Title-19, CCR, Chapter 5 system is that nowhere on the forms being submitted to his Department is there a statement stating that the company/contractor has

certified the system. Member Sam Husoe brought forward the point that many times the Automatic Extinguishing System Committee

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inspection/service of the system is made, the violations are noted, and the contractor is not authorized by the building or systems owner to make the necessary repairs, and that in these cases, sending the inspection/service forms to the fire department can facilitate the corrections to be made.

Member Jim Feld, in response to these comments stated that within the 180-day window of when these new regulations take affect, there will be training necessary for the local fire authorities having jurisdiction, and to the contractors/firms performing the inspections/servicing letting them know what is required under the newly adopted NFPA-25 – California Edition. The intent of these classes will be to review the changes, use of forms, and what will now be required with regard to timelines. To follow on that thought, Chair Parsegian stated that it is the intent of the CA SFM to have the inspection/service forms available on the SFM's Website for downloading by the licensed concerns/contractors so that they can have these forms printed with their company logo's, names, addresses, phone numbers, etc.

Member Jim Feld, in response to a question of having forms for the daily, weekly, monthly, semi-annual, annual, bi-annual, and 5-year inspections/service requirements outlined in NFPA-25 stated that it is the Working Groups intent to create forms which reflect the annual and 5-year inspection/service requirements.

Chair Parsegian brought up the point that the Working Group is working on "water-based systems" and in dealing with the tag (service label) as outlined in Title-19, CCR, Chapter 5, there is only one tag (service label) which is currently used for water-based systems and engineered/pre-engineered systems. The issue was that the Working Group wanted the AES Advisory Committee to review the tag being developed for the water-based systems. A sample (copy) of the tag (service label) was passed out for discussion. Member Randy Dysart explained the changes to the current tag shown in Title-19, CCR, Chapter 5 (Section 906). Chair Parsegian indicated that under the current proposal, there would be two (2) tags (service labels) shown, one for water-based systems, and the second for engineered and pre-engineered systems. Member Scott McMillan questioned whether restaurant [space] on tag (service label) of engineered and pre-engineered should be clarified to include hood & duct systems? Member Jim Feld suggested that the license number [space] might better be served to be placed within the company name, street address, city, state, zip code, phone number [space]. Member Russell Blair suggested that each tag (service label) be identified as to Water-Based Systems and Engineered & Pre-engineered Systems. Member Chris Gilbert stated that a Title on the tag (service label) would make it clear that each is for a specific/intended use. Chair Parsegian noted that there would be space on the tags (service labels) for the individual performing the service to "print" his/her name and the another line to sign the tag (service label). Member Jesse Franco noted that the "5-Year Label" should not be there as the local AHJ has the discretion to have frequencies more than simply 5-years, Chair Parsegian agreed and indicated that the tags (service labels) will also have a 1-year, 3-year, and 5-year space printed on it and thus the individual performing the service would simply punch the corresponding 1-, 3-, or 5-year space.

Chair Parsegian stated as an **ACTION ITEM** that these comments will be taken back to the Working Group and the revised tags (service labels) will be brought back to the AES Advisory Committee Meeting for the next meeting.

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MITs Working Group:

Chair Parsegian introduced Steve Hart who is the Chair of the MITs Working Group of the AES Advisory Committee. Member Hart started off by giving a brief (right!!) overview of the history of this Working Group. The Ad-Hoc Working Group on a Systems Approach to Maintenance, Inspection/Testing, and Service of Fire and Life Safety Systems was formed in October 2004 in response to a question raised by CA SFM Ruben Grijalva when he asked the AES Advisory Committee to consider what we needed to be looking at down the road for the Committee in the coming year(s). Member Steve Hart reviewed the 22 NFPA Standards that are the "Fire & Life Safety Systems" being addressed by this Working Group, in addition to Title-19. He went on to identify the 5 NFPA Standards, which are not adopted by either the 2001 CBC or 2001 CFC (*NFPA-96, -110, -111, -204, and -1221*). Our Working Group will be working to have these 5 NFPA Standards adopted, not for the installation criteria, which might be found in the CMC or other State Adopted regulations, but rather for the maintenance criteria associated with these Fire and Life Safety Systems.

Note: *The Working Group has created a PDF (readable file only) of the sections chapters of the 22 NFPA Standards, which address the maintenance, inspection/testing and servicing (MITs) of these systems. If you would like to obtain a copy of the PDF file, contact either James Parsegian (www.james.parsegian@fire.ca.gov) or Steve Hart (hart@nfsa.org) and we will e-mail you a copy.*

The MITs Working Group is in the process of developing three (3) finished products; 1) to create and deliver a Training and Education element for state and local AHJ's, 2) to develop a Regulator/Legislative Package to create a Certification Program of individuals (fitters/technicians) performing MITs on these Systems under the CA SFM, and 3) to support state and local AHJ's in the enforcement of these MITs Standards.

Member Steve Hart stated that the first element to hit the streets will be a Training and Educational Program for the state and local AHJ's. These programs will be developed to make the AHJ's aware of the MITs requirements under the NFPA Standards and to insure that these systems are being maintained uniformly in our buildings throughout the state. The question we keep asking ourselves is "How can we improve the quality of maintenance on these systems which we are mandating to be installed at the state and local level?"

Member Steve Hart also noted that this Working Group is unique because it crosses other CSFM Advisory Committees because of what we are attempting to do. The Working Group has met twice as a Group (February 17, 2005 and April 18, 2005) and will be meeting for the third time on September 20, 2005. Members of the MITs Working Group who are also Members of the AES Advisory Committee include; Russell Blair, Randy Dysart, James Feld, Chris Gilbert, Darrell Harguth, Darrell Hefley, Sam Husoe, James McLaughlin, Barry Sigal, and Mike Waldron as well as myself.

The Working Group has broken into Task Teams, each looking at groups of NFPA Standards to attempt to come up with a general set of issues that the state agencies and/or local AHJ's should be very familiar with in regard to each Standard and it's MITS Automatic Extinguishing System Committee

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requirements. The purpose of these Task teams is to not duplicate the Sections/Chapters of the 22 NFPA Standards dealing with MITS, but rather; "What should they know to be able to encourage the enforcement of the Maintenance, Inspection/Testing and Servicing of these Fire & Life Safety Systems?"

The Training & Educational Programs would be kicked off with two classes (1-NorCal and 1-SoCal) for State Agencies (CDF, CSFM, DSA, HCD, OSHPD, DOC, GSA). These would be the "beta testing" of the Training Program. Following those two classes we would deliver at least ten (10) programs to the local AHJ's (tentatively: North Bay Area – Santa Rosa, Northern California Area – Redding, Greater Bay Area – Palo Alto, Sacramento Valley Area – Sacramento, Central California Area – Fresno, Coastal California Area – San Luis Obispo, Los Angeles Area – Glendale, Orange County Area – Anaheim, San Diego Area – San Diego, Imperial Valley Area – San Bernardino). Classes would be scheduled on Tuesday or Thursdays, Class Sizes: 50-75 Students (Train-the-Trainer Concept), Handouts (1- to 1-1/2-Inch Binder), Team Teach (2-instructors), Charge (\$50 to \$75 per Student). The Second element of this Working Groups goal is to develop a "Certification Program" for fitters and technicians who are hands on doing the function of Maintenance, Inspection/testing, and Servicing of the Fire and Life Safety Systems. In order to do that, we need data to show the "nightmares on Elm Street" and the proof that these systems are not being maintained, and/or will fail when called upon to operate in an emergency condition. Think about the City of Los Angeles Fire Department and their Chiefs' Regulation No. 4 criteria and then look at California and consider the possibility of having this type of criteria for certifying fitters and technicians who are performing MITS on these Fire and Life Safety Systems. It is clear when you look at the progression of maintenance of automatic fire sprinkler systems, that we began with Chiefs' Reg. No. 4.

- *1940 – First Edition of NFPA-13A (Recommended Practices for the Inspection, Testing and Maintenance of Sprinkler Systems)*
- *January 28, 1966 – Commercial Exchange Building (Fire),*
- *April 3, 1967 L.A. City Fire Department Chiefs' Regulation No. 4 became law,*
- *January 1, 1982 – Health & Safety Code Sections 13195 – Title-19, CAC, Sub-Chapter 5*
- *March 21, 1984 L.A City Fire Department revised Chiefs' Regulation No. 4,*
- *September 1984 – Revised Health & Safety Code Sections 13195 – Title-19, CCR, Chapter 5*
- *May 11, 1987 L.A. City Fire Department included the provisions for Certificate of Fitness to perform non-witnessed Chiefs' regulation No. 4 testing,*
- *1993 – First Edition of NFPA-25 (Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems)*
- *2002 – First Edition of NFPA-25 Handbook (Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems),*
- *2005 – Title-19/NFPA-25 Working Group awaits approval of Revision to Title-19, CCR, Chapter 5 and publication of NFPA-25 – California Edition.*

Member Steve Hart stated that a State Fire Marshal's Office "Certification of Fitness Program" for fitters and technicians performing MITS will require State Legislation in the form of either a Senate or Assembly Bill to accomplish the expanded role of the State Fire Marshals Office in administering the Program. Our research thus far has shown that current law/regulations (H&S Code Sections 13195 and 13195.5) would permit such an expansion of the current licensing/certification program to include other fire and life safety systems; however, there is no law/regulations to support the funding necessary to create and maintain such an expanded program. It would appear that Sections such as 13195, 13195.4, 13196, 13196.5, 13197, 13197.5, 13198, and 13198.5 would need to be expanded in order to accomplish the tasks associated with the additional certification of fitters and technicians for these additional Fire and Life Safety Systems. It should also be noted that this would not replace, nor be equal to the contractor-licensing program currently administered through the Contractors State License Board (CSLB). Our intent is not to license "contractors", but rather "certify" fitters and technicians performing MITS. On major challenge in the certification concept will be to address the issues and mindset of contractors who might raise the issue that "if they are qualified to install these systems then they are qualified to maintain these systems", be it fire alarm, fire sprinklers, smoke management, etc. Our timeline to having draft legislation is about a year out (2007 Legislative Year). Member Scott McMillan asked if the Working Group was intending to develop a list, which the Local AHJ's could use to hand to the building or systems owners highlighting what needed to be maintained with regard to Fire and Life Safety Systems. Member James McLaughlin noted that, after a long explanation by Member Steve Hart, the question asked had not been directly answered. James noted that if such a list were put out today, there is no one out there that could properly perform the work. Chair Parsegian suggested that this might be something that the group could look at and have that list for the local AHJ's to use as a guide and give out to a building owner, which says that if you have these components, they need to be serviced. Member Jesse Franco brought up the issue of elevator recall, and that this issue might be brought into the realm of this Working Group. Member Steve Hart indicated that this has been discussed at the Working Group Meetings and that there is no NFPA Standard that addresses this issue. Member Franco indicated that Title-8, CCR and A-17.1 of the ANSI Standard addresses the issue. Member Hart stated that it is hoped that the Task Team on Fire Alarms will take on that issue. He further stated that in the listing of State Agencies currently being formulated, that someone from Cal-DOSH – Industrial Safety Division will be available to help in this area.

Proposed Amendments to the Buildings Standards of the SFM:

Chair Parsegian passed around copies of the July 12, 2005 Adoption of the IBC and IFC document (5-pages) prepared by CA SFM Ruben Grijalva that reflected the foundation and philosophy being used for the code development of fire and life safety provisions for the next editions of the California Building and Fire Codes, using the International Building and Fire Codes as the base documents. The document outlines the CSFM's Working Groups (including assigned articles), Control Objectives, Stakeholders, Timeline (Adoption

package completed by March 2006), and The Code Adoption Plan (amendments will be classified into four categories).

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U/L-300 Express Terms:

Chair Parsegian passed around copies of the U/L-300 Express Terms document, which was discussed in detail at the last AES Advisory Committee Meeting (04-06-05).

VI. **New Business:**

Chair Parsegian indicated that there will be other groups working on the Code Adoption process and those are the sitting CSFM's Standing Advisory Committees such as the AES Advisory Committee of which you are all members of. We will be looking at all the fire suppression Standards and we will decide whether to stay with the current adopted Standards, but to make recommendations on adopting updated versions of the Standard, U/L Standards, etc. Chair Parsegian passed around copies of the 2001 California Building Code, Chapter 35, Section 3504.1 thru 3504.2.1 (pages 1-308 and 1-308.1) and stated that these are the listing of Standards the Committee will be looking at for the next edition of the CBC and CFC. In response to a question of the "Interim Adoption Package" which was being developed by former DSFM Leslie Haberek, and now posted on the CBSC Website, Chair Parsegian indicated that we will now be required to justify all code changes and revisions to updating Standards. In the past it was the common practice simply to roll over from the 1989 to the 1991, to the 1994, to the 1996, to the 1999 (in the case of NFPA-13) and the like for revisions to updated Standards. It is now the direction of the CBSC that to move from the current 1999 edition to the 2002 edition we will need to identify the changes and justify those changes individually. The same would be the case for any other Standards being considered. After a lengthy discussion, the AES Advisory Committee tried to place the various automatic-extinguishing systems into groupings of similar nature. Member Jesse Franco brought up the fact that NFPA-70 and NFPA-110 are not currently listed in Chapter 35 and that when addressing emergency standby power, these two Standards are essential. It was pointed out that NFPA-70 is adopted by the SBSC as Title-24, Part 3 (currently the 2004 California Electric Code – applies on or after 08/01/05). Member Steve Hart noted that NFPA-110 is one of those 5 NFPA Standards identified by the MITS Working Group as having not been adopted by the state. Chair Parsegian went down the listing in Chapter 35 and listed the NFPA Standards which we would be dealing with:

| | | | |
|---------|-----------|----------|-----------|
| NFPA-11 | NFPA-11-A | NFPA-12 | NFPA-12A |
| NFPA-13 | NFPA-13D | NFPA-13R | NFPA-14 |
| NFPA-15 | NFPA-16 | NFPA-17 | NFPA-17A |
| NFPA-20 | NFPA-22 | NFPA-24 | NFPA-2001 |

Member Jim Feld noted that NFPA-750 (*Water Mist Fire Protection Systems*) was not listed in Chapter 35.

| | | | |
|---------|---------|----------|------------|
| U/L-193 | U/L-260 | U/L-262 | U/L-312 |
| U/L-346 | U/L-753 | U/L-1091 | U/L-299(?) |

Member Steve Hart noted that U/L-199 (*Automatic Sprinklers for Fire Protection Service, – Edition*), U/L-199E (*Fire Test of Sprinklers and Water Spray Nozzles for the Protection of Deep Fat Fryers, May 2004*), U/L-300 (*Fire Testing of Fire Extinguishing Systems for the Automatic Extinguishing System Committee*)
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Protection of restaurant Cooking Areas), and U/L-1626 (*Residential Sprinklers for Fire Protection Service, 1.2 revised September 6, 2000*) were not listed in Chapter 35.

The AES Advisory Committee Task Team Assignment:

Task Team A:

NFPA-11 (Low-, Medium- and High-Expansion Foam)
NFPA-11A (*No Longer Published – See NFPA-11 [above]*)
NFPA-15 (Water Spray Fixed Systems for Fire Protection)
NFPA-16 (Installation of Foam-Water Sprinkler and Foam-Water Spray Systems)
(Team Members: Eddie Vasquez (Leader), Jason Nailon)

Task Team B:

NFPA-12 (Carbon Dioxide Extinguishing Systems)
NFPA-12A (Halon 1301 Fire Extinguishing Systems)
NFPA-2001 (Clean Agent Fire Extinguishing Systems)
(Team Member: Chris Gilbert, Dennis Grubb (Leader), Wayne Martin)

Task Team C:

NFPA-13 (Installation of Sprinkler Systems)
NFPA-13R (Installation of Sprinkler Systems in Residential Occupancies Up to and Including Four Stories in Height)
NFPA-13D (Installation of Sprinkler Systems in One- and Two-Family Dwellings and Manufactured Homes)
NFPA-14 (Installation of Standpipe and Hose Systems)
NFPA-20 (Installation of Stationary Pumps for Fire Protection)
NFPA-22 (Water Tanks for Private Fire Protection)
NFPA-24 (Installation of Private Fire Service Mains and Their Appurtenances)
NFPA-37 (Installation and Use of Stationary Combustible Engines and Gas Turbines)
(Team Members: Steve Hart (Leader), Scott McMillan, Russell Blair)

Task Team D:

NFPA-17 (Dry Chemical Extinguishing Systems)
NFPA-17A (Wet Chemical Extinguishing Systems)
(Team Members: Randy Dysart (Leader), Darrell Harguth, Darrell Hefley, Eddie Vasquez)

Having grouped the current NFPA Standards into Task Teams (noted above) and having volunteers of the AES Advisory Committee assigned as “team members” (also noted above), Chair James Parsegian clarified what each team was to accomplish:

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Assignments to be Completed:

- Identify the currently adopted edition (year of Standard) of the various NFPA Standards as reflected in the 2001 CBC (Chapter 35- page 1-301-1-308.8) and CFC (Article 91 – page 1-275-1-276); and
- Identify the currently referenced edition (year of Standard) of the various NFPA Standards as reflected in the 2003 IBC (Chapter 35 – pages 579-596) and 2003 IFC (Chapter 45 – pages 361-367); and
- Identify what currently adopted NFPA Standards (found in the 2001 CBC and CFC) should be updated to a more current edition (year of Standard); and
- Identify what NFPA Standards have not been adopted by the 2001 CBC and CFC, but should be adopted; and
- Develop a justification for why each of the NFPA Standards in your Task Team should be adopted, updated, deleted, etc.; and
- Identify “any” U/L Standards which should be added, deleted, and/or discussed by the AES Advisory Committee; and
- Prepare their research and to justify why California should adopt, delete, keep the same NFPA and/or U/L Standard; and
- Submit the prepared research from each Task Team to Chair James Parsegian (james.parsegian@fire.ca.gov) at least 2-weeks prior to the next AES Advisory Committee (preferably as an attachment document to an E-mail). In closing the discussion on this item, Chair Parsegian stated, as an **ACTION ITEM**, that he would get some additional information on exactly what will be required by the OSFM/BSC and how much of a justification will be necessary, and will get that information out to the AES Advisory Committee Members in an e-mail. He also indicated that he would check to see if the 9-point criteria which will be necessary for the justifications.

California Voluntary Standard:

Chair Parsegian handed out a copy of the California Voluntary Standard – For the Design – Installation – Testing of Self-Contained Water Supply Systems for Residential Fire Sprinkler Applications (issued by the CSFM – April 1995).

(Noted: *It should be pointed out that due to a duplication error, James Parsegian tabled this item until he can make copies of the CSFM (January 1988) Recommended Residential Sprinkler Standard for 1- and 2-Family Dwellings.)*

It was also pointed out by Member Jim Feld that the “California Voluntary Standards for Residential Sprinklers” was established by statute (law) within Health & Safety Code Section 13195.

VII. **Open Forum/Exchange of Ideas:**

Chair Parsegian stated that he has been working with the Contractors State License Board (CSLB) and hopes to have someone from the CSLB at our next meeting of the AES Advisory Committee.

VIII. **Next Meeting (Northern California):**

The next meeting will be held in Northern California on Wednesday, November 16, 2005 with the meeting to start at 10:00 a.m.

IX. **Meeting Adjourned:**

The meeting was adjourned at approximately 2:30 p.m.

Yevonne Costa
Program Assistant
Yevonne.costa@fire.ca.gov