

Dec 2009 Career Development

- Administrative & General Provisions of the Proposed 2010 Connecticut State Fire Prevention Code.



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December 2009

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This Month's Reminders -1-

- PA 09-227
 - School Inspection Reports
 - 29-305 (b)
 - ... 'In the case of a school building, each local fire marshal shall submit a written report to the local or regional board of education documenting each such inspection.'
 - Effective 10/1/2009

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This Month's Reminders -2-

- PA 09-177
 - **Manufacturer's Survey ONLY!!**
 - AAC Technical Changes to Chap 541
 - Section 6
 - 29-307a
 - Defines Manufacturing Establishment
 - NAICS #31 - 32 - 33
 - » Assigned according to type of business
 - » Example NAICS Metal Heat Treating Fac. » 332811
 - U.S Dept Of Commerce
 - <http://www.census.gov/eos/www/naics/>

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Proposed 2010 State Fire Prevention Code

- What's the solution?
 - FPC based on a Nationally Recognized FPC
 - NFPA 1, Uniform Fire Code
 - One place to start
 - All standards change together with code cycle
 - Edition in sync with FC & BC
 - New Enforcement Scheme -- alternative
 - Simultaneous coordination SBC, CSFSC, CSFPC
 - New Permitting Process (Not mandatory)
 - Additional Focus on Firefighter Safety
 - Local adoption options for certain issues
 - Fire lanes, Planned Building Groups, Fees for construction document review, Cargo Tank Motor Vehicles Inspections



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Proposed 2010 State Fire Prevention Code

- Two fold approach
 - General, Enforcement, and Building items now -- 2010
 - Many of the operational and maintenance provisions of Part V of the CSFSC.
 - Special Hazards items later – 2011
 - The rest of Chapter 541 (PA 09-177)

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Proposed 2010 State Fire Prevention Code

- When will it finally happen ??
- Target adoption date 7/1/2010
- Steps Left
 - Went to AG 11/2 – Back –Minor tweaking
 - Went to reg Review 12/1
 - Regs review, file 1st Tues, hearing 4th Tues following month. (Feb '10 earliest)
 - Back from reg review NG –
 - Back to AG, Back to reg review,



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When did this start?

- Original CGS PA 04-59
 - Other PA's to refine, extend adoption date.

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Proposed 2010 State Fire Prevention Code

- 2009 Legislative Package
 - Bulk in PA 09-177 signed by Gov Rell 6/29/09
 - 7 Statutes effective 10/2009
 - 18 Statutes effective 1/2011
 - 'Spec Hazards'

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Proposed 2010 State Fire Prevention Code

- PA 09-177
 - Procedural summons infractions for FPC
- Effective 10/1/2009
 - Administrative items
 - Fire lanes requirements specified by FPC, towns to adopt by ordinance
 - SFM to review 'shut-down orders' > 4hrs

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Proposed 2010 State Fire Prevention Code

- Effective 1/1/2011
- Affected
 - Special hazards
 - OBEC
 - F&CLC
 - GE&PC
 - LPG&LNGC
 - Haz Chem Code
 - Model Rockets
 - Cargo Tank MV
 - Authority to adopt in statute,
 - Actual reg. is part of FPC
 - Uniform exemptions for OBEC, F&CLC, GE&PC, LPG&LNGC:
 - Electric Co.
 - Elect Dist Co.
 - Gas Co.
 - CGS 16-1
 - All appeals, penalties now in FPC
 - Cargo Tank MV now by local ordinance, appeal through court system

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Proposed 2010 State Fire Prevention Code

- How are we going to get there?
 - CGS 29-291a – 29-291d (revised to 1/1/09)
 - Started as PA 04-59, amd. PA 07-84, 08-65, 09-177
 - Adjusted effective date
 - 7 months 5-1/2 years +
 - Added Modification process
 - Added Abatement
 - Sunset provisions for the current haz mat statutes



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Proposed 2010 State Fire Prevention Code

- CGS 29-291a (a)
 - Fire Prevention Code Adoption & Revision
 - SFM & Advisory Committee - adopt & administer
 - Advisory Committee (9 members)
 - » 2 – Codes & Stds. Comm.
 - » 7 – FM/DFM/FI from list submitted by CFMA
 - Based on a nationally recognized FP code
 - Purpose to enhance the enforcement capabilities of local fire marshals for the purpose prevention of:
 - Fire
 - Other related emergencies

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Proposed 2010 State Fire Prevention Code

- GS 29-291a (a) cont'd.
 - Revised as deemed necessary / 18 months following first publication of the revision.
 - In Sync w/ FC & BC
 - SFM may issue official interpretations upon request of any person, complete an index and publish at intervals not exceeding 4 months.

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Proposed 2010 State Fire Prevention Code

- CGS 29-291b
 - Modification process – same as the CSFSC. Key words ... may grant..
 - Practical difficulty,
 - unnecessary hardship,
 - adjudged unwarranted
 - LFM to forward within 15 business days
 - LFM comments on the merits
 - Objective: secure public safety

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Proposed 2010 State Fire Prevention Code

- CGS 29-291c (a) & (b)
 - Abatement, injunction, citation, penalties
 - Abatement == same as the CSFSC
 - Remedied by owner or occupant
 - Remedy in conformance w/ BC, ordinances, rules and regulations of the municipality
 - Criminal (sub e) & civil penalties (\$50/day)
 - 'reasonable' time for abatement specified by FM
 - If not notify prosecuting atty. for district
 - Injunctive process for municipality

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Proposed 2010 State Fire Prevention Code

- 29-291c (c) (d) & (e)
- Citation –
 - Alternative to abatement order- LIMITED
 - Limited sections of FPC can be enforce by citation (29-292-10)
 - Once every 6 months for the same violation
 - Name, address, specific offense, time & place
 - Signed by FM and person
 - Fine NMT \$250.00
 - » Centralized Infraction Bureau
 - » 90% back to town/fire district
 - More on citations later
- Abatement penalty if abatement not complied with:
\$200 – \$1000 or 6 mos. or both

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Proposed 2010 State Fire Prevention Code

- CGS 29-291d
 - SFM review of LFM decision; Appeal
 - SFM to review LFM decision on matters pertaining to the CSFPC upon the request of any person determined to have the right to appeal OR when the SFM has reason to believe LFM has misconstrued or misinterpreted the code.
 - Issue determination / order
 - To LFM, in writing, registered mail
 - Any person appeal to the SFM decision to the superior court for the jurisdiction where the premises is located.

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Proposed 2010 State Fire Prevention Code

- PA 09-177 Section 9 CGS 29-322
- Cargo Tank MV inspections
 - Statute change – Require local ordinance to do.
 - No more SFM issued yellow cards
 - Rules as to who can inspect remain the same.



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**Proposed 2010
State Fire Prevention Code**

- Regulation of Connecticut State Agencies.
 - 29-291a-1 through 29-291a-10
 - Connecticut State Fire Prevention Code



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**Proposed 2010
State Fire Prevention Code**

- Section 29-291a-1
 - Title & Administration
 - Severability
 - Validity
 - Administered as provided by CGS Chap 541
 - Does not apply to
 - Federal property exemption
 - Does not apply to detached 1 & 2 Family dwellings nor multiple single family dwellings side-by-side (townhouse) not more than 3 stories in height having separate means of egress.

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**Proposed 2010
State Fire Prevention Code**

- Section 29-291a-2
 - Relationship to State Fire & Building Codes
 - FPC shall NOT supersede the requirements of the CSFSC or the CSBC. i.e. Does NOT replace FC/BC.
 - If a conflict/duplication, the CSFSC or CSBC prevails
 - Where CSFSC or CSBC are silent on a issue FPC shall apply.
 - Can not remove/modify a Fire Protection System installed & maintained under the CSFSC or CSBC.
 - Maintain building in safe conditions.
 - Devices or safeguards required by the CSFSC or CSBC shall be maintained under the edition of the code to which they were installed to.

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**Proposed 2010
State Fire Prevention Code**

- **Section 29-291a-3**
 - Scope of the FPC – 11 Items
 - Inspection of permanent & temporary buildings, processes, equipment, systems, & other fire and related life safety situations.
 - Review of plans, specs for life safety systems, FP systems, access, H₂O supply, processes, and hazardous materials, & other fire and life safety issues.

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**Proposed 2010
State Fire Prevention Code**

- **Section 29-291a-3 - Scope - cont'd**
 - Fire & Life Safety education of fire brigades, employees, responsible parties & the general public.
 - Existing occupancies & conditions
 - Access requirements for FD operations
 - Hazards from outside fires in veg., trash, building debris, & other materials.
 - Regulations and control of special events including but not limited to – assemblage of people, exhibits, trade shows, amusement parks, haunted houses, outdoor events, & other similar special temp & permanent occupancies.

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**Proposed 2010
State Fire Prevention Code**

- **Section 29-291a-3 - Scope - cont'd**
 - Interior finish, decorations
 - Storage, Use, Processing, handling & on-site transportation of Flam & Comb gasses, liquids and solids
 - Storage, Use, Processing, handling & on-site transportation of hazardous materials
 - Conditions affecting FF safety

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Proposed 2010 State Fire Prevention Code

- Section 29-291a-4
 - AHJ
 - SFM – administration, application, interpretation, and modification
 - LFM – initial determination for compliance
 - State property SFM
 - Municipalities/fire districts to adopt a portion by ordinance (CGS7-148) LFM is the AHJ and such decisions may not be appealed to the SFM
 - LFM decision/determination may be reviewed by the SFM (29-291a)

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Proposed 2010 State Fire Prevention Code

- Section 29-291a-5
 - Variation or Exemptions
 - Same language as CSFSC
 - If modified deemed to be in compliance
 - Practical difficulty
 - Unnecessary hardship
 - Requirement adjudged unwarranted
 - Secure public safety

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Proposed 2010 State Fire Prevention Code

- Section 29-291a-6
 - Abatement / Penalty
 - Follow CGS 29-291c
 - Order to vacate LFM / LPD by 29-306
 - '5 Deadly sins'
 - Penalty see CGS 29-291d / 29-295 as appropriate
 - Citation – See 29-291a-10

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Proposed 2010 State Fire Prevention Code

- Section 29-291a-7
 - Inspection / Plan Submittal
 - Inspection per 29-305
 - Frequency Schedule (same as amendments for the fire code)
 - Annual
 - » All R's; A-1; A-2; E; H-1; and I-1
 - Every 2 years
 - » A-3; H-2; I-2; I-3, I-4; B-medical; B-college
 - Every 3 years
 - » B; H-3; M; S-1; A-4; A-5
 - Every 4 Years
 - » F-1; F-2; H-4; H-5; S-2; U

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Proposed 2010 State Fire Prevention Code

- Section 29-291a-7 == cont'd
 - Inspection during construction same as fire code
 - Plans submittal same as fire code
 - Fee schedule
 - Municipality or fire district may by ordinance adopt a fee for construction document review.
 - » Must be posted in public view.

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Proposed 2010 State Fire Prevention Code

- Section 29-291a-8
 - Adopted Standard
 - NFPA -1, 2003 edition
- Section 29-291a-9
 - Connecticut Amendments
- 29-291a-10
 - Enforcement by citations
 - at the end of the document

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Proposed 2010 State Fire Prevention Code

- Organization of NFPA 1 UFC
- Part I – Administrative
- Part II – General
- Part III – Occupancy
- Part IV – Processes
- Part V – Equipment
- Part VI – Hazardous Materials



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Proposed 2010 State Fire Prevention Code

- Chapter 1 Administrative
- Many sections DELETED part of the 'up-front' 29-291a-1 ... sections
- Change in way FM does his/her job
 - Permits
 - Inspection Schedule
 - Enforcement

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Proposed 2010 State Fire Prevention Code

- *New Permitting Process*
 - *Requires the municipality/fire district to enact an ordinance.*
 - 1.12.19 Permits as specified by ordinance shall be required in accordance with Table 1.12.19 (a).
 - 53 different (CT amd to table)
 - Business Occupancies
 - Consumer Fireworks
 - Tire Storage
 - Hot Work
 - Carnivals and fairs
 - Tar kettles

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Proposed 2010 State Fire Prevention Code

- 1.12 Permits
 - Permit can not take the place of any other permit or license required by someone else.
 - Permit can be revoked/suspended
 - Requirements in the code for what must be on the permit
 - SFM still responsible for licenses (blasters, FW/Spec Effects, Demo operations).

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Proposed 2010 State Fire Prevention Code

- Chapter 2 Referenced Standards
 - Same practicality as the CSFSC
 - NFPA, ASME, RSA
 - Only to the extent called for in the code



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Proposed 2010 State Fire Prevention Code

Chapter 3 – Definitions

- Minor changes from the base document
- Match SBC & CSFSC
 - In-home group B
 - B&B
 - Single Family Dwelling unit (max 6 outsiders)
 - Dorms
 - Educational – Training & Skills not w/in school

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**Proposed 2010
State Fire Prevention Code**

Chapters 4 – General Requirements.
DELETED
Chapter 5 – Performance based options -
DELETED

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**Proposed 2010
State Fire Prevention Code**

- Chapters 6, 7, 8, & 9
– Are reserved by NFPA for future use.

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**Proposed 2010
State Fire Prevention Code**

- *New Enforcement Method*
Statutory change: PA 08-65 == 29-306
Five Deadly Sins
 - Blocked, insufficient or impeded egress
 - Failure to maintain/shutting off of fire protection or warning system required by code
 - Storage of flammable or explosive material w/o permit
 - Use of firework/pyrotechnic w/o permit
 - Exceeding the occupant limit
- PA-09-177 > 4 hrs SFM to review order
 - Directive #10 Rev 9/22/2009
 - Notify I&E

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Proposed 2010 State Fire Prevention Code

- 29-291a-10 New Enforcement Method
 - Citation Process
 - 10 issues (the beginning)
 - 1.12 Operating w/o a permit
 - 10.15.9 Naturally cut Christmas Tree
 - 10.8, 13.17 failure to maintain or shutting off fire protection or warning system
 - 14.4.1, 14.4.3, 14.4.3.1 Blocked, insufficient, egress
 - Chapter 16 Safeguards during building construction
 - 20.1.4.8.3 Exceeding occupancy limits
 - 20.12.2.4 Storage & display of consumer fireworks
 - Chapter 41 Hot work operations
 - 50.5 Use & maintenance of commercial cooking
 - 65.11.1.5 Retail sales of consumer fireworks
- Mandatory Training to utilize citations

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3 Part
10/book
Answer date
next fri

Mandatory
training to
utilize the
citation
process.
OSFM /DCJ
sponsored

Feb '10

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Annexes

- Annex A – Explanatory Material
- Annex G – Ozone Gas-Generating Equipment
- Annex H – Fire Flow Requirements for Buildings
- Annex I – Fire Hydrant Locations and Distribution

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Organization of NFPA 1 UFC

- Part I – Administrative
- Part II – General
- Part III – Occupancy
- Part IV – Processes
- Part V – Equipment
- Part VI – Hazardous Materials

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Proposed 2010 State Fire Prevention Code

- Chapter 10 – General Fire Safety
 - Some provisions presently in CSFSC Part V, some new being added/modified.
 - 10.5 DELETE Building evacuation (CGS 7-313e)
 - 10.7.1.1 immediately report a fire to FD
 - 10.13 Fire Protection Markings
 - Address numbers
 - Shaftways
 - Stairway markings (serving 5 or more stories) FC/BC
 - 10.14 Vacant buildings – Same as fire code errata
 - 10.11 DELETE Open Fires

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Proposed 2010 State Fire Prevention Code

- Chapter 10 – General Fire Safety
 - .1 Fundamental Requirements
 - .2 Owner/Occupant Responsibilities
 - .3 Occupancy
 - .4 Maintenance & Testing
 - .5 Building Evac (DELETED)
 - .6 Fire Drills
 - .7 Reporting Fires & Other Emergencies
 - .8 Tampering with Fire Safety Equipment

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**Proposed 2010
State Fire Prevention Code**

- .9 Emergency Plans
- .10 Smoking
- .11 Open Fires, Incinerators (DELETED)
- .12 Access to Structures & Areas
- .13 Fire Protection Markings
- .14 Vacant Buildings & Premises
- .15 Combustible Vegetation
- .16 Special Outdoor events, carnivals ...

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**Proposed 2010
State Fire Prevention Code**

- Ch 10 cont.
 - .17 Outside Storage
 - .18 Parade Floats
 - .19 Powered Industrial Trucks
 - .20 Contents & Furnishings (CT add)

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**Proposed 2010
State Fire Prevention Code**

- Chapter 11 Building Services
 - Also portions presently in CSFSC Part V
 - Same deletions as CSFSC (elevators etc.)
 - Added
 - Language to mirror space heater statute
 - Language to match stationary generators as adopted by the CF&CLC

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Proposed 2010 State Fire Prevention Code

- Chapter 11
 - .1 Electrical Fire Safety
 - .2 HVAC
 - .3 Elevators, Escalators, & Conveyors
 - .4 Utilities
 - .5 Heating Appliances
 - .6 Rubbish & Laundry Chutes, Incinerators
 - .7 Stationary Gen & Stby. Pwr. Syst.

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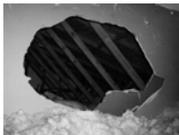
- Ch 11 cont.
 - .8 Smoke Control
 - .9 Emergency Command Center

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Proposed 2010 State Fire Prevention Code

- Chap 12 Features of Fire Protection
 - Coordinates with the CSFSC & CSBC
 - Maintenance of FR Rated construction
 - Opening protective
 - Doors, dampers, etc



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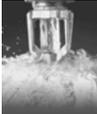
**Proposed 2010
State Fire Prevention Code**

- Chapter 12
 - Features of Fire Protection
 - .1 General
 - .2 Construction
 - .3 Fire Resistant Assemblies
 - .4 Fire Doors & Windows
 - .5 Interior Finish
 - .6 F, C, D, & Treated Finishes
 - .7 Fire Barriers
 - .8 Smoke Partitions
 - .9 Smoke Barriers

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**Proposed 2010
State Fire Protection Code**

- Chap 13 Fire Protection Systems
 - Presently in CSFSC Part V
 - Modifying language to match present requirements.
 - Deleting requirements for new & existing occupancies (will be covered by CSFSC & CSBC)
 - Testing & maintenance requirements



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**Proposed 2010
State Fire Prevention Code**

- Chapter 13
 - .1 General
 - .2 Standpipe Systems
 - .3 Automatic Sprinkler
 - .4 Fire Pumps
 - .5 Water Supply
 - .6 Portable Extinguishers
 - .7 Detection, Alarm, Communication
 - .8 Other FP Systems

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**Proposed 2010
State Fire Prevention Code**

- **Chap 14 Means of Egress**
 - Presently adopted by CSFSC Part V
 - Leaving some provisions that were not adopted as Part V as they were adopted by Part IV
 - **Examples –**
 - 14.2 Exit access corridors
 - 14.3.1 Separation of exits
 - 14.5.2 Locks, Latches, & Alarm devices

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**Proposed 2010
State Fire Prevention Code**

- **Chapter 14 -MOE-**
 - .1 Application
 - .2 Exit Access Corridors
 - .3 Exits
 - .4 MOE reliability
 - .5 Doors
 - .6 Enclosure & Protection of stairs
 - .7 Exit Passageways

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**2010 State Fire Prevention
Code**

- .8 Capacity of MOE
- .9 Number of MOE
- .10 Arrangement of MOE
- .11 Exit Discharge
- .12 Illumination
- .13 Emergency Lighting
- .14 Marking MOE
- .15 Secondary MOEscape

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Proposed 2010 State Fire Prevention Code

- Chap 15 Planned Building Groups
 - Requires the municipality/fire district to enact an ordinance.
 - Impacted by one or more of the following:
 - Limited water supply
 - Limited FD resources
 - Extended FD response times
 - Delayed alarms
 - Limited access
 - Hazardous vegetation
 - Unusual terrain
 - Other unusual characteristics
 - NFPA 1141 - Std for Fire Protection
 - in Planned Building Groups



- .1 Applicability
- .2 Compliance
- .3 Plans

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Proposed 2010 State Fire Prevention Code

Chap 16 Safeguards during Construction/Demolition/Alteration



- .1 General
- .2 Process & hazards
- .3 Fire Protection
- .4 Safeguarding construction operations
- .5 Fire safety during demolition
- .6 Torch applied roofing systems
- .7 Tar kettles
- .8 Asbestos removal

NFPA 241	Waste disposal
Adequate escape facilities	Owners responsibility
FD access	Separation per CSBC
Temp heat	Torch applied/tar kettles

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Proposed 2010 State Fire Prevention Code

- Chap 17 Wildland Urban Interface
 - DELETE Chapter N/A to CT

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Proposed 2010
State Fire Prevention Code
Chap 18 - Fire Dept. Access & Water Supply

(Amd) **18.1 General.** Fire department access and water supplies shall comply with local ordinance **or** this chapter.
(Amd) **18.2.1** Fire department access roads shall be provided and maintained in accordance with local ordinance or with Section 18.2.

Road Dimensions
Turning rad.
Dead ends
Bridges LL signs
Grades
Test h₂o per NFPA 25



Proposed 2010
State Fire Prevention Code

- Chap 19 Combustible Waste & Refuse
 - Delete vehicle requirements
 - Common sense items (29-306)
 - Removal
 - Lids
 - Location
 - Dumpsters
 - 1.5 yds³/10 ft
 - Modify org language



Proposed 2010
State Fire Prevention Code

- Questions?