

1 **Fire Prevention Standards for Electrical Utilities, 2005**
2 **Workshop Regulation Language (Version date 01_06_05)**

3
4 **Revision Format Key**

5
6 ~~Single line strikeout:~~ Deletions proposed in 45-day notice to existing
7 rule language.

8
9 Single underline: Additions proposed in 45-day notice to existing rule
10 language

11
12 ~~Double line strikeout:~~ Deletions proposed for Workshop to 45-day notice
13 language.

14
15 Double underline: Additions proposed for Workshop to 45-day notice
16 language.

1 **Fire Prevention Standards for Electrical Utilities, ~~2004~~ 2005**

2 **~~Proposed Rule Language~~**

3 **Workshop Language Version date 01 06 05**

4
5 ~~(45 Day Notice Language Published October 22, 2004)~~

6
7 **Amend 14 CCR: § 1251. Definitions**

8
9 The following definitions apply to this Article unless the
10 context requires otherwise.

11 *Defined word or phrase*

12 ~~"Agency which has primary responsibility for fire~~
13 ~~protection" means the public agency which is the primary agency~~
14 ~~responsible for fire prevention and suppression on mountainous~~
15 ~~or forest covered land, brush covered land or grass covered land~~
16 ~~within its respective jurisdiction.~~

17 "Conductor" means connector, a wire, or a combination of
18 wires, and/or any other appliance designed and manufactured for
19 use in the transmission and distribution of electrical current.

20 "Connector" means a splice or a splicing device approved for energized
electrical connections.

21 "Duff" means partially decayed leaves, needles, grass or other organic
material accumulated on the ground.

22 "Firebreak" means a natural or artificial barrier usually created by
the removal or modification of vegetation and other flammable materials for
23 the purpose of preventing the ~~ignition~~ or spread of fire.

24 "Hot line tap or clamp connector" means a connector designed to be used
with a Grip-All Clamp stick (Shotgun) for connecting equipment jumper or tap
conductors to an energized main line or running connector.

25 "Outer Circumference" means the exterior surface of a pole or tree at
ground level or a series of straight lines tangent to the exterior of the
legs of a tower at ground level. (See Figure 1, this Article.)

1 "Self-supporting aerial cable" means an assembly of abrasion resistant
2 insulated conductors supported by a messenger cable which is normally
grounded, designed and manufactured to carry electrical current for
installation on overhead pole lines or other similar overhead structures.

3 "Tree wire" means an insulated conductor covered with a high abrasion
4 resistant, usually non-metallic, outer covering, designed and manufactured to
carry electrical current for installation on overhead pole lines or other
similar overhead structures.

5
6 Note: Authority cited: Sections 4292-4293, Public Resources Code. Reference:
7 Sections 4292-4296, Public Resources Code.

8
9 **Amend 14 CCR: § 1252. ~~Locations~~ Areas Where PRC 4292,
10 4293~~4296.5~~ Apply in State Responsibility Areas.**

11
12 ~~The minimum firebreak and clearance provisions of PRC 4292-~~
13 ~~4296 are applicable upon~~ The Director will apply PRC 4292-4296.5
14 in any mountainous land, or forest covered land, brush covered
15 land or grass covered land within ~~a~~State ~~Responsibility~~ ~~Area~~
16 unless specifically exempted by 14 CAC 1255 and 1257.

17
18 NOTE: Authority cited: Sections 4292, 4293, Public Resources Code. Reference:
19 Sections 4125-4128, 4292, 4293, Public Resources Code.

20
21 **Amend 14 CCR: § 1252.1. Official Area Maps.**

22 ~~Areas where the provisions of PPC 4292-4296 apply are~~
23 ~~delineated on maps for state responsibility areas, as "Official~~
24 ~~Map State Responsibility Area for Fire Protection," filed in the~~
25 ~~office of the Director, Fire Protection Section 1416 Ninth~~
~~Street, Sacramento, California 95814.~~

1 ~~(a) The official maps are available during normal business~~
2 ~~office hours for viewing and copying.~~

3 ~~(b) When, pursuant to PRC 4125-4128, the Board revises~~
4 ~~state responsibility area boundaries, the Director will forward~~
5 ~~a legal description of a boundary change(s) to the respective~~
6 ~~electric utility(s) serving the area(s).~~

7 The official maps defined in 14 CCR § 1220, are available
8 for viewing during normal business hours at the California
9 Department of Forestry and Fire Protection, 1416 Ninth Street,
10 Sacramento, California, 95814, in the Fire Protection Section.

11
12 NOTE: Authority cited: Sections 4292, 4293, Public Resources Code. Reference:
13 Sections 4125-4128, 4292, 4293, Public Resources Code.

14
15 **Amend 14 CCR: § 1253. Time When PRC 4292-4296 Apply.**

16
17 ~~The minimum firebreak and clearance provisions of PRC 4292-~~
18 ~~4296 are applicable when vegetation, whether living or dead, is~~
19 ~~flammable and will propagate fire (see Figure 2 this Article):~~

20 ~~(a) From May 1 through November 15 the date the director~~
21 ~~declares, by proclamation, that hazardous fire conditions have~~
22 ~~abated of each year in the counties of Butte, Colusa, Del Norte,~~
23 ~~Glenn, Humboldt, Lake, Lassen, Marin, Mendocino, Modoc, Napa,~~
24 ~~Nevada, Placer, Plumas, Shasta, Sierra, Siskiyou, Solano,~~
25 ~~Sonoma, Sutter, Tehama, Trinity, Yolo and Yuba:~~

1 ~~(b) From April 15 through November 30 the date the director~~
2 ~~declares, by proclamation, that hazardous fire conditions have~~
3 ~~abated of each year in the counties of Alameda, Alpine, Amador,~~
4 ~~Calaveras, Contra Costa, El Dorado, Fresno, Kings, Madera,~~
5 ~~Mariposa, Merced, Monterey, Sacramento, San Benito, San~~
6 ~~Francisco, San Joaquin, San Mateo, Santa Clara, Santa Cruz,~~
7 ~~Stanislaus, Tulare, and Tuolumne;~~

8 ~~(c) From January 1 through December 31 the date the~~
9 ~~director declares, by proclamation, that hazardous fire~~
10 ~~conditions have abated of each year in the counties of Imperial,~~
11 ~~Inyo, Kern, Los Angeles, Mono, Orange, Riverside, San~~
12 ~~Bernardino, San Diego, San Luis Obispo, Santa Barbara and~~
13 ~~Ventura.~~

14 Unless otherwise specified by the Director, the minimum
15 firebreak and clearance provisions of PRC 4292-4296 are
16 applicable during the declared CDF fire season for a respective
17 county.

18
19 NOTE: Authority cited: Sections 4292 and 4293, Public Resources Code.

20 Reference: Sections 4125-4128, 4292 4293, and 4423 Public Resources Code.

21
22 **Amend 14 CCR: §1254. Minimum Clearance Provisions--PRC 4292**

23 The firebreak clearances required by PRC 4292 are applicable
24 within an imaginary cylindroidal space surrounding each pole or
25 Tower. Flammable vegetation and materials located wholly or

1 partially within the firebreak space shall be treated as
2 follows:

3 (a) At ground level--remove flammable materials, including but
4 not limited to, ground litter, duff and dead or desiccated
5 vegetation that will ~~propagate fire~~ allow fire to spread, and;

6 (b) From 0-2.4 m (0-8 feet) above ground level--remove flammable
7 trash, debris or other materials, grass, herbaceous and brush
8 vegetation. All limbs and foliage of living trees shall be
9 removed up to a height of 2.4 m (8 feet).

10 (c) From 2.4 m (8 feet) to horizontal plane of highest point of
11 conductor attachment--remove dead, diseased or dying limbs and
12 foliage from living sound trees and any dead, diseased or dying
13 trees in their entirety.

14 NOTE: Authority cited: Section 4292, Public Resources Code.

15 Reference: Section 4292, Public Resources Code.

16
17 **Amend 14 CCR: §1256. Minimum Clearance Provisions--PRC 4293**

18 Minimum clearance required by PRC 4293 shall be maintained
19 with the specified distances measured at a right angle to the
20 conductor axis at any location outward throughout an arc of 360
21 degrees. (See Figure 4 this Article.)

22 ~~Clearance shall include any position through which the~~
23 ~~conductor may move considering the size and material of which~~
24 ~~the conductor is made, span length, foreseeable wind velocities~~
25 ~~for any location and height, species and flammability of~~

1 adjacent vegetation. ~~Minimum clearance shall take into~~
2 ~~consideration any position through which the conductor and~~
3 ~~vegetation may move.~~

4 Minimum clearance shall include:

5 1) any position through which the conductor may move,
6 considering, among other things, the size and material of the
7 conductor and its span length;

8 2) any position through which the vegetation may sway,
9 considering, among other things, the climatic conditions,
10 including such things as foreseeable wind velocities and
11 temperature, and location, height and species of the vegetation.

12 Dead trees, old decadent or rotten trees, trees weakened by
13 decay or disease and trees or portions thereof that are leaning
14 towards the line which may contact the lines from the side or
15 fall on the line shall be felled, cut, or trimmed so as to
16 remove such hazard.

17
18 NOTE: Authority cited: Section 4293, Public Resources Code. Reference:
19 Sections 4293 and 4296, Public Resources Code.

20
21 **Amend 14 CCR: § 1257. Exempt Minimum Clearance Provisions--PRC**
22 **4293.**

23 (a)The minimum clearance provisions of PRC 4293 applicable
24 in SRA are not required are exempted:

25 (a1) Where conductors are:

1 (1a.) insulated tree wire, maintained with the
2 high density, abrasion resistant outer covering
3 intact, or

4 (2b.) insulated self-supporting aerial cable,
5 maintained with the insulation intact, or

6 (3c.) supported by sound and living tree trunks
7 from which all dead or decadent branches have been
8 removed.

9 (b2) On areas described in 14 CAC 1255(c)

10 (eb) ~~Except: These exemptions do not apply where there are~~
11 to (1) dead and decadent or rotten trees, trees weakened by
12 decay or disease, leaning trees and portions thereof that are
13 leaning toward conductor(s) and any other growth which may fall
14 across the conductor. ~~and break it, are removed or trimmed to~~
15 ~~remove such hazard., and,~~
16 ~~(2) the trunk of any tree is not required to be removed when~~
17 ~~sound and living, and is the supporting structure to which~~
18 ~~conductor(s) are attached.~~

19 NOTE: Authority cited: Section 4293, Public Resources Code. Reference:
20 Sections 4293 and 4296, Public Resources Code.

21
22 Fire Prevention plead 1_6_05
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