



ISO's Public Protection Classification (PPC™) Program

Access to Technical Documents

100. Introduction

Section I: Public Fire Suppression

200. General

300. Needed Fire Flow

400. Receiving and Handling Fire Alarms

500. Fire Department

600. Water Supply

700. Total Credit and Classification

800. Class 8B and Class 9 Protection

Section II: Individual Property Fire Suppression

900. General

1000. Fire Department Companies

1100. Water Supply System

1200. Credit and Classification

Fire Suppression Rating Schedule — Class 8B and Class 9 Protection

800. GENERAL:

This item reviews the fire suppression features in cities that comply with Item 106. Cities evaluated under this item must have at least one piece of apparatus meeting the general criteria of NFPA Standard 1901, Automotive Fire Apparatus, with a pump with a rated capacity of 250 gpm or more at 150 psi. Additionally, the city, or part of the city, must not have a water system capable of delivering 250 gpm or more for a period of 2 hours plus consumption at the maximum daily rate at a fire location.

801. CLASS 8B PROTECTION:

1. Receiving and Handling Fire Alarms:

Is eligible for a minimum credit of 5 points under Item 440 (CFA).

2. Fire Department:

Is eligible for a minimum credit of 20 points under Item 590 (CFD).

- Responds with an average of 6 firefighters on first alarm responses to structure fires.
- Conducts a minimum of 24 hours of structural fire fighting training per year for each active firefighter.

3. Water Supply:

The fire department is capable of delivering an uninterrupted fire flow of 200 gpm for 20 minutes beginning within 5 minutes of the first arriving engine company.

- Can deliver the minimum fire flow with only the primary responding fire department and automatic aid fire department(s).
- Can deliver the minimum fire flow to at least 85 percent of the built-upon areas of the city.

802. CLASSIFICATION:

Class 8B shall apply when the city meets the criteria of Items 800 and 801. Refer to Item 810 for cities that do not qualify for Class 8B.

810. GENERAL:

This item reviews the fire department in cities that comply with Items 106 and 201.B, but where Items 300 to 701 do not apply.

811. CLASS 9 PROTECTION:

1. Apparatus:

The fire department shall have at least one piece of apparatus meeting the general criteria of NFPA Standard 1901, Automotive Fire Apparatus. The apparatus shall have a permanently mounted pump capable of delivering 50 gpm or more at 150 psi, and a water tank with at least a 300-gallon capacity.

2. Records:

Records should indicate date, time and location of fires; the number of responding members; meetings; training sessions; and maintenance of apparatus and equipment. A roster of fire department members should be kept up to date.

3. Equipment:

The following equipment should be provided:

**Points
Credit**

10

1. At least two 150-foot lengths of 3/4- or 1-inch fire department booster hose, 1 1/2-inch preconnected hose, or the equivalent, each with a nozzle capable of discharging either a spray or a straight stream.	
2. Two portable fire extinguishers suitable for use on Class A, B, and C fires. The minimum size should be 20 BC rating in dry chemical, 10 BC rating in CO ₂ , and 2A rating in water-type extinguishers.	4
3. One 12-foot ladder with folding hooks.	10
4. One 24-foot extension ladder.	15
5. One pick-head axe.	1
6. Two electric hand lights.	4
7. One pike pole.	2
8. One bolt cutter.	2
9. One claw tool.	1
10. One crowbar.	1

The total value from 811.C shall be reduced 2 points for each 10 percent that the apparatus exceeds the manufacturer's gross vehicle weight rating.

Note: Apparatus weighing in excess of street or bridge loading maximums may cause a reduction in the credited response area.

The criteria, specifications and tools listed above are each important in establishing Class 9 protection. However, the specific size and nomenclature of each individual subitem may be subject to local conditions in the city graded. Equipment having other names, or different dimensions, than indicated in the apparatus specifications shall be credited as a proportional equivalent to the required equipment according to its ability to perform similar fire ground jobs.

812. CLASSIFICATION:

Class 9 shall apply when the city meets the criteria of Items 106 and 201.B, and the fire department receives **70** or more points credit in Item 811. Cities where the fire department receives less credit shall be Class 10.

[«Previous](#) | [Back to Top](#) | [Next»](#)