NATIONAL FIRE INFORMATION DATABASE (NFID)

DATA DICTIONARY

February, 2017
v. 2.0
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INTRODUCTION

Background
Overview of the National Fire Information Database Project (NFID)

The National Fire Information Database (NFID) is a pilot project with the objective of gathering 10 years of microdata information on fire incidents and fire losses from provincial/territorial Fire Marshals and Fire Commissioners Offices across Canada, and creating a national system for the collection of fire statistics. The NFID links fire incident data with other relevant socio-economic datasets to assist in the development of new, relevant, evidence-based research related to fire incidents, public safety and security.

Support for the NFID project has been provided by the Canadian Safety and Security Program (CSSP), a federal program led by Defence Research and Development Canada’s (DRDC) Centre for Security Science in partnership with Public Safety Canada (PSC) and in collaboration with the Canadian Association of Fire Chiefs (CAFC) and the Council of Canadian Fire Marshals and Fire Commissioners (CCFMFC).

Guidance and direction in regards to the data content for the NFID has been provided by the National Fire Incident Statistics Committee (NFISC), a subcommittee of the CCFMFC and the CAFC. The mandate of the NFISC is to provide immediate directional and oversight for the collection, analysis, and dissemination of information relating to fire incidents in Canada, primarily through its oversight of the NFID.

Collection and standardization of data, along with the development of the central database was the responsibility of the Canadian Centre of Justice Statistics (CCJS), a division of Statistics Canada. The CCJS has significant experience and a long history in the collection and dissemination of national level policing, courts, correctional services and other justice and public safety-related data. The CCJS worked with the CAFC and the CCFMFC to develop the capacity to collect, compile and analyze fire incident information on a national basis. These activities are requisite first steps towards addressing an important gap in existing knowledge and gaining a greater understanding the nature and extent of fire incidents across the country.

The NFID will serve to improve analytical capacities for evidence-based research that can be used by Fire Marshals, Fire Commissioners and Chief Fire Officers and academic researchers to provide policy and operational guidance that respond to trends that currently unable to be adequately identified. Furthermore, these data will assist fire services in making operational decisions, improving policy and prevention measures in the development of appropriate and efficient methods of fire response, and to help promote public awareness about the dangers of fire.
Data Dictionary – NFID

This document represents the data dictionary for the NFID, providing the data elements that are available, the common set of definitions and terminology for reporting fire incident and other fire protection data as well as the standard code sets and their descriptions for each data element. Data elements, found within, are primarily based on the Canadian Code Structure on Fire Loss Statistics (CCS) document, however, additional variables which have been identified for their potential analytical utility have also been included—where collected by one or more jurisdictions across Canada.

More specifically, the NFID collects information on:

(i) fire incident characteristics (e.g., date, time, location);
(ii) property characteristics (e.g., type of property and use, type of construction, age of building);
(iii) fire protection features (e.g., use of sprinklers, alarms);
(iv) the circumstances contributing to the outbreak of fire (e.g., igniting object, fuel or energy associated with igniting object);
(v) the factors related to the origin and spread of fire (e.g., area of origin, flame and smoke spread areas);
(vi) fire loss details (e.g., extent of fire and damage, dollar amount of loss);
(vii) the discovery of fire and actions taken (e.g., how fire was initially detected, transmission of alarm to fire department, performance of extinguishing equipment and smoke alarm device, occupants in dwelling at time of fire);
(viii) fire casualties (e.g., age and sex of victim, nature of casualties (i.e., extent of injury, death), cause of failure to escape);
(ix) other existing socio-economic variables from Statistics Canada (e.g., average income data, employment rates, crime rates, etc.,);
(x) other data elements not mentioned above, which may be collected only by selected fire services.

In-scope (reportable) and out-of-scope (non-reportable) fires for the NFID:

For the purpose of the NFID pilot project, reportable fires are any instance of destructive and uncontrolled burning, including explosion of combustible solids, liquids or gases. Fire does not include the following, except where they cause fire, or occur as a consequence of fire:

a) lightning or electrical discharge;
b) explosions of steam boilers, hot water tanks or other pressure vessels due to internal pressure and not due to internal combustion;
c) explosions of ammunition or other detonating material;
d) accidents involving ship, aircraft or other vehicle;
e) forest (that fall under the provincial/territorial forest protection legislation and any Federal jurisdiction);
f) grass or brush or rubbish except for harvestable products; and
g) overheat\(^1\) condition.

\(^1\) Overheat is described as alteration of material by heat without self-sustained combustion. Removal of the heat source will stop the alteration process. It may also be described as the stage before ignition. Examples are: an overcooked roast in the oven, discolouration caused by hot metal on a kitchen counter, or a cigarette scar on a table or on a carpet.
Note: This definition restricts fire incidents to be reported to those which cause deaths or injuries or which destroy or damage property having a loss value that may be expressed in terms of dollars.

Canadian Code Structure on Fire Loss Statistics (CCS)—Background

Prior to the existence of the Canadian Code Structure on Fire Loss Statistics (CCS) document, only very limited fire loss data were collected, manually recorded and analyzed by provincial/territorial Fire Marshals and Fire Commissioners Offices across Canada. In 1963, the Association of Canadian Fire Marshals and Fire Commissioners (ACFM&FC), together with the Canadian Association of Fire Chiefs (CAFC), gained consensus to move ahead with the development of the CCS and, for the first time, standardized reporting.

Acceptance of the CCS marked a formal agreement by all provinces and territories on the objectives for collecting fire statistics, a standard definition of “a fire” and acceptance of the following position statement:

"Fire (loss) records should be maintained to provide (loss) data from which trends may be indicated to measure the effectiveness of fire prevention and fire protection measures presently in practice and to indicate those areas which may require further attention."

The most recent version of the CCS was accepted by the Council of Canadian Fire Marshals and Fire Commissioners (CCFMFC, formerly ACFM & FC) in July of 2001. The Committee responsible for the revision of the CCS recommended its principles be adopted by all agencies responsible for the collection, tabulation and dissemination of fire statistics in Canada. Furthermore, it was acknowledged and agreed upon that, jurisdictions, as required, could collect additional information within their operational systems in order to meet specific internal information and data needs.

Data Collection by Fire Commissioners’/Fire Marshals’ Offices

The data collected by the CCJS for the NFID pilot project were obtained from participating Fire Commissioners’/Fire Marshals’ offices (FCOs/FMOs). The specific roles of these offices may vary in some ways across the country, but generally speaking, they are responsible for:

a) advising on and promoting legislation, policies, and procedures pertinent to fire protection and emergency response;
b) participating in the development of codes and standards relating to fire safety and emergency response;
c) promoting fire safety awareness;
d) supporting the professional development of the Canadian fire service;
e) identifying trends relative to the causes and the severity of fire;
f) providing advice to accredited agencies involved in the certification and testing of fire protection equipment, materials, and services relating to fire safety and emergency response; and

2 The information in this section was obtained from Alberta’s “Fire Statistics Reporting Manual” (March 2006) produced by the Fire Commissioner’s Office of Alberta Municipal Affairs.
g) providing a forum for the exchange of information on fire safety and emergency response matters.

In support of these activities, the FCOs/FMOs, collect data from fire departments and services in their respective jurisdictions to assist them in making informed decisions and policies. Fire service data are submitted to the FCO/FMO in a number of formats, ranging from mail-in paper reports that are entered into their system by FCO/FMO staff, to electronic methods either via e-mail, web-based e-transfers, or web-based data entry systems. Once data have been entered into the jurisdictional system, they are often checked for accuracy, clarity, consistency, and completeness by the FCO/FMO.

The type and extent of data collected and captured by each jurisdiction varies, depending on operational requirements and resources—leading to significant variation in the amount and type of data collected by the various data sources (i.e., the local fire departments). For example, some departments maintain broad databases that record all calls for service in Computer Assisted Dispatch (CAD) systems which include the department’s response, as well as the characteristics and outcomes of those calls. Other departments record a minimal amount of information as required by either their local municipality or the FCO/FMO. However, the majority of FCOs/FMOs collect, at minimum, a portion of the data elements identified in the CCS.

Note Concerning Coverage of Fire Incident Information

It should be noted that not all fire services report their fire incident information to their respective FCO/FMO, or that some may report, but not on a consistent basis. This may be true of where fire services are provided primarily or solely by volunteer firefighters or smaller municipalities with small scale operations, and limited resources and capacity to complete the various reports. In some jurisdictions, reporting by First Nations fire services may or may not be included and is not believed to be mandatory. However, it is believed that fire-related deaths are more consistently recorded, but again not consistently. For these reasons, there is an unknown level of under-reporting of fire incidents across the country.

Data Collection – CCJS, Participating Jurisdictions

Once the details of the data to be collected were established by the NFID project team, the CCJS sent out the official requests for microdata to each of the provincial/territorial FCOs/FMOs (in April 2016).

It was requested that two analytical files be extracted from each jurisdictional system – an incident file and a victim (casualty) file, according to the specifications that follow. Additional support files and documentation were provided on an as-required basis (e.g., location codes, reporting manuals, etc.)

The final database includes data from seven jurisdictions - New Brunswick, Ontario, Manitoba, Saskatchewan, Alberta, British Columbia and the Canadian Armed Forces. Not all were able to provide the complete 10 years of data due to either system constraints or data unavailability. See Appendix B for a summary of data availability by jurisdiction, file type and year.

It should be noted that neither Prince Edward Island nor the Northwest Territories were able to provide microdata to the NFID pilot project as data collection in these jurisdictions
Introduction

poses significant challenges, such that they do not have databases to support such activities.

The remaining jurisdictions were not able to provide their data within the timeframes of the project.

Specifications for Data Extractions for the NFID Pilot Project

The instructions below were provided to each of the participating jurisdictions to assist in the preparation of their data submissions to Statistics Canada. Telephone follow-up was required to discuss potential additional data elements that could be provided beyond those specified in the CCS, particularly those which could facilitate linkage to other existing social domain datasets at Statistics Canada.

1. Data extracts should be submitted through Statistics Canada’s e-FT site (see instructions that follow). If you have any questions about this process, please contact Jennifer Thomas (613-854-1605 or jennifer.thomas@canada.ca) who can walk you through it.

2. Ideally, we are looking for two files: an incident file with a single record for each fire incident, and a victim/casualty file with a single record for each victim/casualty, with a key/variable that links to the related incident. Please see the following page for an example of the variables to be contained in each of the files.

3. Please name the two files as follows: 1) NFID_PILOT_ _Incident_XX 2) NFID_PILOT_Persons_XX, where XX represents the two character province abbreviation (e.g., Prince Edward Island = PE, Saskatchewan = SK).

4. The files should contain data for the 2005 to 2015 calendar years, acknowledging that data entry may not be complete for 2015.

5. Ideally, the files should be in CSV or SAS format.

6. The files should follow the record layout as outlined in the Canadian Code Structure on Fire Loss Statistics (CCS) as closely as possible, reporting all variables that are available in your system. Please provide data labels in the first row of the file.

7. If code values differ from the CCS, or if you have additional codes for certain variables, please provide supporting documentation with the code sets and their descriptions.

If possible, we would like to collect additional data from your system, where it exists.
Data elements – Incident file (example)

1. Year
2. Month
3. Date
4. Day of week
5. Time
6. Incident situation
7. Incident location
8. Response time of first vehicle
9. Mutual aid
10. Crew size
11. Response time of subsequent vehicles
12. Subsequent crew size
13. Number of engines
14. Number of aerials
15. Number of tankers
16. Number of CFR vehicles
17. Number of other vehicles
18. Distance from fire department to emergency
19. Status on arrival
20. Number of persons rescued
21. Number of casualties
22. Type of weather
23. Temperature
24. Wind direction
25. Wind speed
26. Major occupancy
27. Property classification
28. Property ownership
29. General construction
30. Method of construction
31. Year of construction
32. Building height
33. Ground floor area
34. Number of occupants
35. Value at risk
36. Manual fire protection facilities
37. Sprinkler protection
38. Fixed system other than sprinklers
39. Automatic fire detection system
40. Fire detection devices
41. Outside fire protection
42. Fire service
43. Igniting object
44. Fuel or energy associated with igniting object
45. Energy causing ignition
46. Material first ignited
47. Act or omission
48. Area of origin
49. Level of origin
50. Flame spread – interior finish
51. Flame spread – vertical openings
52. Flame spread – horizontal openings
53. Smoke spread avenues
54. Extent of fire
55. Extent of damage
56. Dollar loss
57. Initial detection
58. Transmission of alarm to fire department
59. Action taken
60. Performance of automatic extinguishing equipment
61. Method of fire control & extinguishment
62. Performance of smoke alarm device
63. Impact of smoke alarm activation on occupant response/evacuation
64. Occupants in dwelling unit at time of fire

Data elements – Victim/casualty file (example)

1. Age of victim
2. Sex of victim
3. Status of victim
4. Nature of casualties
5. Probable/possible cause
6. Class of victim
7. Condition of casualty
8. Action of casualty
9. Cause of failure to escape
10. Ignition of clothing or other fabrics
11. Type of fabric or material ignited
Further Standardizing of Fire Data

As previously mentioned, the Canadian Code Structure on Fire Loss Statistics (CCS) was the primary basis for the development of the NFID. Although the CCS was intended to provide a standard set of definitions and code sets to be used across the country, it became clear during the data collection process that jurisdictions comply with these standards to varying degrees, not only in terms of data elements that are collected and captured in their systems, but also in regards to the code sets used. For this reason, it was necessary to “map” and “translate” jurisdictional data elements and code values to the common sets of CCS codes in order to allow for jurisdictional comparability and to provide a national picture using common codes and reporting standards.

If the NFID project is to continue beyond the pilot stage, one important recommendation moving forward would be, to the extent possible, standardize these data elements and codes at source (i.e., either at the fire services level or the FCO/FMO level). This will be discussed in more detail in a “Next Steps Report” to be released at a later date.

Units of Analysis

There are two basic units of analysis for the NFID – incidents and victims. Separate files have been created for each of these units of analysis for ease of use and more focused analysis. The files may be linked using the “Reporting Jurisdiction” (JURIS) and “Incident ID” (INCDNTID) variables.
SECTION A

INCIDENT INFORMATION
A. INCIDENT INFORMATION

Data element: REPORTING JURISDICTION
Label: JURIS
Record: Incident, Victim
Format: Alphanumeric 2

Description:
Refers to the jurisdiction providing the data file. The federal standard code for each province and territory is used as follows:

<table>
<thead>
<tr>
<th>Codes</th>
<th>Jurisdiction</th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td>Newfoundland and Labrador</td>
</tr>
<tr>
<td>11</td>
<td>Prince Edward Island</td>
</tr>
<tr>
<td>12</td>
<td>Nova Scotia</td>
</tr>
<tr>
<td>13</td>
<td>New Brunswick</td>
</tr>
<tr>
<td>24</td>
<td>Quebec</td>
</tr>
<tr>
<td>35</td>
<td>Ontario</td>
</tr>
<tr>
<td>46</td>
<td>Manitoba</td>
</tr>
<tr>
<td>47</td>
<td>Saskatchewan</td>
</tr>
<tr>
<td>48</td>
<td>Alberta</td>
</tr>
<tr>
<td>59</td>
<td>British Columbia</td>
</tr>
<tr>
<td>60</td>
<td>Yukon</td>
</tr>
<tr>
<td>61</td>
<td>Northwest Territories</td>
</tr>
<tr>
<td>62</td>
<td>Nunavut</td>
</tr>
<tr>
<td>70</td>
<td>Canadian Armed Forces</td>
</tr>
</tbody>
</table>

Data element: INCIDENT ID
Label: INCIDNTID
Record: Incident, Victim
Format: Alphanumeric 30

Description:
Incident ID is an alphanumeric code used by jurisdictional systems to uniquely identify fire incidents. This field may be a concatenation of two or more fields as long as it is a unique identifier within a jurisdiction.
Section A – Incident Information

Data element: YEAR OF INCIDENT
Label: YEAR
Record: Incident
Format: Date 4 (YYYY)

xxxx Actual year of incident

Data element: MONTH OF INCIDENT
Label: MONTH
Record: Incident
Format: Numeric

Codes:

1 January
2 February
3 March
4 April
5 May
6 June
7 July
8 August
9 September
10 October
11 November
12 December
99 Unknown

Blank Data element not available in jurisdictional system/not reported

Data element: DATE OF MONTH
Label: DATE
Record: Incident
Format: Numeric

Values:

1-31 Date of month
99 Date of month unknown

Blank Data element not available in jurisdictional system/not reported
Section A – Incident Information

Data element: DAY OF WEEK
Label: DAY
Record: Incident
Format: Alphanumeric

Codes:
1 Sunday
2 Monday
3 Tuesday
4 Wednesday
5 Thursday
6 Friday
7 Saturday
9 Unknown

Blank Data element not available in jurisdictional system/not reported

Data element: TIME
Label: TIME
Record: Incident
Format: Time

Hour/minute of day: 00:00-23:59 Exact time based on the 24-hr clock
Blank Data element not available in jurisdictional system/not reported

Data element: INCIDENT LOCATION
Label: INCIDLOC
Record: Incident
Format: Alphanumeric

Description:
The incident location is not a standardized variable (i.e., it is for the most part, as the jurisdiction reported it). Typically it represents a city, municipality, town or village, however there may be other location descriptions.

Values: As reported by jurisdiction
Blank Data element not available in jurisdictional system
**Data element:** RESPONSE TIME OF FIRST VEHICLE  
**Label:** RESPONSE  
**Record:** Incident  
**Format:** Numeric  

**Description:**  
Response time is the period of time from the receipt of the alarm by the Fire Department to the arrival of the first vehicle at the scene of the incident. Confirmation of arrival time should be by radio or recording wherever possible.

Response time is entered in minutes.

**Values:**  
XXX Actual response time (in minutes)  
Blank Data element not available in jurisdictional system/not reported

---

**Data element:** MUTUAL AID  
**Label:** MUTLAID  
**Record:** Incident  
**Format:** Alphanumeric 1  

**Description:**  
Mutual Aid is only coded if more than one fire department attended the fire scene.

**Codes:**  
1 Requested and received  
2 Requested and not received  
3 Not requested  
4 Given  
8 Not classified  
9 Not applicable  
0 Unknown/not reported

Blank Data element not available in jurisdictional system
## Section A – Incident Information

<table>
<thead>
<tr>
<th>Data element:</th>
<th>CREW SIZE (INITIAL)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Label:</td>
<td>CREWSIZE</td>
</tr>
<tr>
<td>Record:</td>
<td>Incident</td>
</tr>
<tr>
<td>Format:</td>
<td>Numeric</td>
</tr>
<tr>
<td>Values:</td>
<td></td>
</tr>
<tr>
<td>XXX Actual number</td>
<td></td>
</tr>
<tr>
<td>Blank Data element not available in jurisdictional system/not reported</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Data element:</th>
<th>RESPONSE TIME OF SUBSEQUENT VEHICLES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Label:</td>
<td>RESPSUB</td>
</tr>
<tr>
<td>Record:</td>
<td>Incident</td>
</tr>
<tr>
<td>Format:</td>
<td>Numeric</td>
</tr>
<tr>
<td>Values:</td>
<td></td>
</tr>
<tr>
<td>XXX Time in minutes</td>
<td></td>
</tr>
<tr>
<td>Blank Data element not available in jurisdictional system/not reported</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Data element:</th>
<th>SUBSEQUENT CREW SIZE (TOTAL)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Label:</td>
<td>SUBSSIZE</td>
</tr>
<tr>
<td>Record:</td>
<td>Incident</td>
</tr>
<tr>
<td>Format:</td>
<td>Numeric</td>
</tr>
<tr>
<td>Values:</td>
<td></td>
</tr>
<tr>
<td>XXX Actual number</td>
<td></td>
</tr>
<tr>
<td>Blank Data element not available in jurisdictional system/not reported</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Data element:</th>
<th>NUMBER OF ENGINES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Label:</td>
<td>NUMBENG</td>
</tr>
<tr>
<td>Record:</td>
<td>Incident</td>
</tr>
<tr>
<td>Format:</td>
<td>Numeric</td>
</tr>
<tr>
<td>VALUES:</td>
<td>XXX Actual number</td>
</tr>
<tr>
<td>Blank Data element not available in jurisdictional system/not reported</td>
<td></td>
</tr>
</tbody>
</table>
### Section A – Incident Information

<table>
<thead>
<tr>
<th>Data element</th>
<th>Label:</th>
<th>Record:</th>
<th>Format:</th>
<th>Values:</th>
</tr>
</thead>
<tbody>
<tr>
<td>NUMBER OF AERIALS</td>
<td>NUMBAER</td>
<td>Incident</td>
<td>Numeric</td>
<td>XXX Actual number</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Blank Data element not available in jurisdictional system/not reported</td>
</tr>
<tr>
<td>NUMBER OF TANKERS</td>
<td>NUMBTANK</td>
<td>Incident</td>
<td>Numeric</td>
<td>XXX Actual number</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Blank Data element not available in jurisdictional system/not reported</td>
</tr>
<tr>
<td>NUMBER OF CFR VEHICLES</td>
<td>NUMBCFR</td>
<td>Incident</td>
<td>Numeric</td>
<td>XXX Actual number</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Blank Data element not available in jurisdictional system/not reported</td>
</tr>
<tr>
<td>DISTANCE FROM FIRE DEPARTMENT TO EMERGENCY</td>
<td>DISTANCE</td>
<td>Incident</td>
<td>Numeric</td>
<td>XXX Distance in kilometres</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Blank Data element not available in jurisdictional system/not reported</td>
</tr>
</tbody>
</table>
Section A – Incident Information

Data element: STATUS ON ARRIVAL
Label: STATARR
Record: Incident
Format: Alphanumeric 1

Codes:

1 Emergency cleared prior to arrival
2 Fire with no evidence from
3 Fire with smoke showing only
4 Flames showing from small area
5 Flames showing from large area
6 Fully involved
7 Exposure involved
9 Unclassified
0 Undetermined or not reported

Blank Data element not available in jurisdictional system

Data element: NUMBER OF PERSONS RESCUED
Label: NUMBRESC
Record: Incident
Format: Numeric

Values:

XXX Actual number
Blank Data element not available in jurisdictional system/not reported

Data element: NUMBER OF DEATHS
Label: NUMDEATH
Record: Incident
Format: Numeric

Description:
This field represents the total number of deaths that occurred as a result of the same fire incident.

Values:

XXX Actual number
0 No deaths
Blank Data element not available in jurisdictional system
Section A – Incident Information

Data element: NUMBER OF PERSONS INJURED
Label: NUMBINJ
Record: Incident
Format: Numeric

Description:
This field represents the total number of persons injured as a result of the same fire incident.

Values:

XXX Actual number
0 No injured persons
1 Blank Data element not available in jurisdictional system

Data element: NUMBER OF CASUALTIES
Label: NUMBCAS
Record: Incident
Format: Numeric

Description:
This field represents the total number of deaths and persons injured as a result of the same fire incident.

Values:

XXX Actual number
0 No casualties

Blank Data element not available in jurisdictional system
SECTION B

PROPERTY DESCRIPTION
Section B – Property Description

B. PROPERTY DESCRIPTION

Section B contains sections which are intended to be used together to describe where fires occur.

A restaurant fire in a hotel or a clothing store fire in a shopping plaza are examples which reflect the need to capture two elements of information. If only hotel information is collected, the restaurant data will be lost. Similarly, if only shopping plaza data is collected then clothing store information is lost. The use of two code sections allows the user to capture both hotel and restaurants in the first example and clothing store and shopping plaza in the second example.

Major Occupancy refers to the hotel and the shopping plaza in the above; examples while Property Classification refers to the restaurant and the department (clothing) store.

Data element: MAJOR OCCUPANCY
Label: MAJOCC
Record: Incident
Format: Alphanumeric 2

Description:
Major Occupancy refers to the overriding (major) use of a building etc., under single management having two or more uses.

Notes:

(i) If the building, structure or facility has only one use, it is coded under 90 (excluding residential classified under codes 31-39)
(ii) If the building, structure or facility has two or more major uses, none of which is overriding, it is coded under 93
(iii) If the property involved is other than a building, structure or facility (e.g., vehicle, outside area, etc.), it is classified under 95

Codes:

ASSEMBLY USE
11 Auditorium, theatre, arena, cultural centre
12 Amusement park, exhibition and fair ground, stadium
13 Educational institution (non-residential)
14 Church, funeral parlour
15 Recreation, sports facility, sports club, social club
17 Food or beverage establishment
19 Assembly use - unspecified

INSTITUTIONAL USE
21 Prison, penitentiary, jail, detention centre, correctional facility, reformatory
22 Hospital, medical centre, clinic, sanatorium
23 Licensed care facility
Section B – Property Description

RESIDENTIAL USE

03 Residential - unspecified
31 Residential - row, garden, town housing, condominium
32 Residential - apartment, tenement
33 Hotel, motel, lodge, hostel, boarding house, dormitory
34 Residential - single detached
35 Residential - duplex, 3-plex, 4-plex, semi-detached
36 Educational institution (residential)
37 Camp site/RV park
38 Residential - mobile home/trailer park
39 Residential - with business/mercantile, up to 3 stories

BUSINESS USE

41 Office building

MERCANTILE USE

56 Commercial centre including fuel dispensing (may include restaurant, stores, etc.)
57 Commercial centre, shopping centre
58 Department store, variety store

MANUFACTURING USE

69 Industrial manufacturing

STORAGE USE

71 Grain elevator
79 Industrial storage facility, bulk storage tanks

OTHER SPECIAL USE

80 First Nations community
81 Parks - Federal, Provincial or City (includes historic sites)
82 Military base
83 Motor vehicle transportation use (includes bus terminal)
84 Harbour, waterfront property, marine terminal
85 Railway terminal, yard (excludes subway)
86 Car park
87 Air transportation use
88 Subway
89 Service station with storage in back lot (includes fuel dispensing)
90 Property occupies its own building, structure or facility (excludes residential classified under 31-39)
91 Laboratory
92 Farm, agricultural use
93 Multiple use (no overriding use)
94 Utility
### Section B – Property Description

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>96</td>
<td>Mine</td>
</tr>
<tr>
<td>97</td>
<td>Communications</td>
</tr>
<tr>
<td>98</td>
<td>Nucleonic Complex</td>
</tr>
<tr>
<td>00</td>
<td>Undetermined</td>
</tr>
<tr>
<td>95</td>
<td>Not applicable</td>
</tr>
<tr>
<td>99</td>
<td>Building/Structure Unclassified</td>
</tr>
</tbody>
</table>

**MISCELLANEOUS UNKNOWN, NOT APPLICABLE**

Blank  Data element not available in jurisdictional system

---

**Data element:** MAJOR OCCUPANCY GROUP  
**Label:** MAJOCGRP  
**Record:** Incident  
**Format:** Alphanumeric 3

**Description:**
The Major Occupancy Group categorizes buildings, structures and facilities that are similar into a more general category.

**Notes:**
This is a grouped variable based on the reported Major Occupancy (MAJOC) value.

**Codes:**

100  Assembly use  
200  Institutional use  
300  Residential use  
400  Business use  
500  Mercantile use  
600  Manufacturing use  
700  Storage use  
800  Other special use  
900  Miscellaneous use  
000  Unknown, undetermined, not applicable, not available
**Data element:** PROPERTY CLASSIFICATION  
**Label:** PROPCLAS

**Record:** Incident  
**Format:** Alphanumeric 4

**Description:**
The term "property" under this classification denotes the type of use made of the area within a building, structure or other facility where the fire occurred. If two or more properties within a building, structure or other facility are involved in a fire, the property where the fire originated has been coded. The tabulation of the fire loss data using Property Classification may assist in identifying risk factors associated with the different types of properties.

**Codes:**

**ASSEMBLY**

Property for the gathering of persons for civic, political, travel, religious, social education or recreational purposes. Such property is characterized by the presence or potential presence of crowds, with attendant panic hazard.

**THEATRE, STUDIO, AUDITORIUM**

1110 Theatre, legitimate (includes combined live and movie)  
1120 Theatre, motion picture (excludes drive-in theatre)  
1130 Theatre, drive-in motion picture  
1140 Auditorium, concert hall  
1150 Radio, television studio  
1160 Motion, picture studio (excludes film processing)  
1190 Theatre, studio, auditorium - unclassified or unknown

**AMUSEMENT, RECREATION PLACE (EXCLUDING SOCIAL, SPORT CLUBS)**

1210 Bowling alley  
1220 Billiard centre, pool hall  
1230 Outdoor ice rink (includes shelters)  
1240 Amusement centre (includes amusement hall such as shooting gallery, video arcade, bingo hall, casino, exhibition stand, fair stand, dance studio; excludes bowling establishment, billiard centre classified under 1210 and 1220 respectively)  
1245 Playground (excludes playgrounds on school properties)  
1250 Swimming facility  
1260 Ballroom, gymnasium (includes dance hall, community hall)  
1270 Exhibition hall, exposition hall (includes general use large open hall without fixed seating facilities, armoury)  
1280 Arena, indoor ice rink, curling rink, stadium, amusement/entertainment tent  
1290 Amusement, recreation place - unclassified or unknown
SCHOOL, COLLEGE, UNIVERSITY

When a school, college or university building also contains dormitories and other residential occupancies, they have been classified under 3600.

1310 School nursery, kindergarten, pre-school, pre-kindergarten associated with an educational institute
1320 Elementary school (includes combined kindergarten/elementary)
1330 High school (includes combined high/elementary, combined senior, intermediate and junior high; and combined high/elementary)
1340 Junior high school (includes combined elementary/junior high)
1350 Industrial trade school, technical school
1360 Business, secretarial, commercial school
1370 Rehabilitation school - attendance by choice
1380 College, university
1390 School, college, university - unclassified or unknown

CHURCH, FUNERAL PARLOUR

1410 Church, chapel
1430 Church hall (includes hall for fellowship meetings and offices, kitchens and classrooms contained within the structure)
1440 Funeral parlour (includes crematorium and undertaking premises)
1490 Church, funeral parlour – unclassified or unknown

SOCIAL, SPORTS CLUB

1510 Club in physical recreation complex (includes city club facilities without sleeping accommodation, such as athletic, lodge, social, steam bathing, health, boys and girls clubs. If sleeping accommodations are present, classify under Group 3000)
1520 Country club (includes country club facilities such as golf, tennis clubs, rifle, hunting, fishing, beach and riding clubs)
1530 Yacht club (includes boating and club facilities; excludes marina and boat mooring, repairing and refuelling facilities classified under 7850, 6820 and 5770, respectively)
1590 Social, sports club - unclassified or unknown

LIBRARY, MUSEUM, ART GALLERY

1610 Library
1620 Museum (excluded if contained in a historic building - 1640)
1630 Art gallery
1640 Historic building
1650 Monument, memorial building
1690 Library, museum, art gallery - unclassified or unknown
FOOD OR BEVERAGE ESTABLISHMENT

Excludes establishment serving food or beverages for consumption off the premises classified under group 5100.

1710 Restaurant (includes eating places specializing in food primarily for consumption on the premises, such as cafeteria, café, diner with tables or automatic service; excludes delicatessen coded under 5160)
1720 Nightclub (includes places specializing in food and drink, but may have dancing or entertainment, and key clubs and supper clubs)
1730 Tavern - may supply food as a minor supplement only (includes places specializing in the sale of alcoholic beverages for consumption primarily on premises, with food as a minor supplement only)
1740 Lunchroom, drive-in restaurant (includes places specializing in quick service for food, or beverages, such as lunch counter, drive-in food or beverage establishment)
1790 Food or beverage establishment - unclassified or unknown

PASSENGER TERMINAL, STATION

Includes incidental freight handling.

1810 Airport passenger terminal
1820 Heliport, helistop passenger terminal
1830 Bus terminal (includes terminal for airlines, limousine and downtown airline terminal building)
1840 Railway station
1850 Subway station
1860 Elevated station
1870 Marine passenger terminal
1890 Passenger terminal, station - unclassified or unknown

MISCELLANEOUS

1910 Court room
1920 Legislative hall
1990 Assemblies miscellaneous - unclassified or unknown

INSTITUTIONAL

Property for medical treatment, for care of persons suffering from illness, disease or infirmity, for the care of children and for the care of convalescents or aged persons and for penal or corrective purposes. Institutional buildings ordinarily provide sleeping facilities for the occupants, and are principally used by persons whose actions are supervised or restrained.

PENITENTIARY, CORRECTIONAL FACILITY, REFORMATORY

2110 Penitentiary, Federal - in cell blocks
2120 Penitentiary, Federal - outside of cell blocks
2130 Correctional facility (Provincial/Territorial/Municipal)
2140 Reformatory, juvenile detention home/youth detention centre
Section B – Property Description

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>2150</td>
<td>Detention facility (includes remand centre or gaol; excludes police station)</td>
</tr>
<tr>
<td>2160</td>
<td>Vocational rehabilitation centre - attendance by direction</td>
</tr>
<tr>
<td>2170</td>
<td>Police station - building with lock-up facility (police station without lock up facility is coded under 4120)</td>
</tr>
<tr>
<td>2190</td>
<td>Penitentiary, correctional facility, reformatory - unclassified or unknown</td>
</tr>
</tbody>
</table>

**HOME FOR AGED**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>2210</td>
<td>Home for aged - with nursing staff</td>
</tr>
<tr>
<td>2220</td>
<td>Home for aged - without nursing staff</td>
</tr>
<tr>
<td>2290</td>
<td>Home for aged - unclassified or unknown</td>
</tr>
</tbody>
</table>

**COMMUNITY CARE FACILITY**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>2310</td>
<td>Orphanage/group home/foster home (more than 10)</td>
</tr>
<tr>
<td>2320</td>
<td>Orphanage/group home/foster home (5 - 10)</td>
</tr>
<tr>
<td>2330</td>
<td>Care of pre-school age children</td>
</tr>
<tr>
<td>2340</td>
<td>Care of pre-school and school aged children</td>
</tr>
<tr>
<td>2345</td>
<td>Care of children (age unknown)</td>
</tr>
<tr>
<td>2350</td>
<td>Long term residential care of persons with intellectual, physical or multiple disabilities (excluding home for aged, see Group 2200)</td>
</tr>
<tr>
<td>2390</td>
<td>Community care facility - unclassified or unknown</td>
</tr>
</tbody>
</table>

**MEDICAL FACILITIES**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>2410</td>
<td>Hospital - general</td>
</tr>
<tr>
<td>2420</td>
<td>Nursing or convalescent home or long-term health care facility</td>
</tr>
<tr>
<td>2430</td>
<td>Institution for the blind, deaf or dumb</td>
</tr>
<tr>
<td>2440</td>
<td>Mental hospital - used solely for treatment of mental patients, otherwise classified under 2410</td>
</tr>
<tr>
<td>2450</td>
<td>Clinic - excludes medical office building classified under 4140</td>
</tr>
<tr>
<td>2460</td>
<td>Child-care hospital - used solely for the treatment of children</td>
</tr>
<tr>
<td>2490</td>
<td>Medical facilities - unclassified or unknown</td>
</tr>
</tbody>
</table>

**MISCELLANEOUS INSTITUTIONAL**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>2910</td>
<td>Shelter for displaced persons</td>
</tr>
<tr>
<td>2915</td>
<td>Shelter for abused spouses (may include children)</td>
</tr>
<tr>
<td>2920</td>
<td>Halfway/transitional house - reintroduction of persons into general population</td>
</tr>
<tr>
<td>2921</td>
<td>Halfway/transitional house - correctional</td>
</tr>
<tr>
<td>2922</td>
<td>Halfway/transitional house - medical</td>
</tr>
<tr>
<td>2990</td>
<td>Institutional occupancies - unclassified or unknown</td>
</tr>
</tbody>
</table>

**RESIDENTIAL**

Property in which sleeping accommodation is provided for normal residential purposes. Includes all buildings designed to provide sleeping accommodation except those classified under institutional. Subdivisions in this category are divided according to life hazard potential. Names and legal definitions may be different from those given here, but the categories have a significant difference from a fire and life protection standpoint. Properties are classified by actual use and not by what the
property owner calls them. Thus a "motel" on a sign may be a hotel, an apartment, or a rooming house, depending upon the use.

**ONE AND TWO-FAMILY DWELLINGS**

Private dwelling occupied by members of one or two families with rooms rented to not more than three outsiders. If a business or other occupancy is contained in the building, it is classified under 3210. Parking garages for one and two family dwellings whether attached, detached, are classified under 7810.

3105 Residential – 3 or more persons in care - special code used by BC (2 or less persons in care coded as 3110-3290)
3110 Year-round use dwelling – 1-family
3120 Seasonal use dwelling - in season, 1-family (includes summer cottage)
3130 Seasonal use dwelling - off season, 1-family
3140 Year-round use dwelling – 2-family
3150 Seasonal use dwelling - in season, 2-family
3160 Seasonal use dwelling - off season, 2-family
3170 Farm dwelling – 1-family
3180 Farm dwelling - 2-family
3190 One and two-family dwelling - unclassified or unknown

**APARTMENT, TENEMENT, FLAT, TOWNHOUSE, CONDOMINIUM**

Property providing living quarters for families living independent of each other with independent cooking facilities, whether designated as apartment houses, tenements, garden apartments, townhouses, row houses, or by other names. Apartment hotels are classified under group 3400 because they are potentially subject to transient occupancy like that of hotels. Garage complexes are referenced under 7820.

3210 Apartment, tenement, flat - 1 to 4 units with business
3220 Apartment, tenement, flat - 1 to 4 units without business
3230 Apartment, tenement, flat - 5 to 20 units with business
3240 Apartment, tenement, flat - 5 to 20 units without business
3250 Apartment, tenement, flat - over 20 units with or without business
3290 Apartment, tenement, flat - unclassified or unknown

**ROOMING, BOARDING, LODGING HOUSE, HOSTEL**

Residential property under one management as a single housekeeping unit (the owner’s primary place of residence) without separate cooking facilities or amenities (laundry, washrooms, etc.) where separate sleeping rooms are rented to persons, either on a permanent or transient basis, and includes “Home Hotels”, “Bed and Breakfast” facilities, and “Vacation Farms”. If rooms are not within the same building and a shared part of the owner’s primary residence, they are coded under group 3400 or group 3500.

3310 Rooming, boarding, lodging house - less than 10 persons
3390 Rooming, boarding, lodging house - unclassified or unknown
HOTEL, INN, LODGE (interior entry only to individual units)

Property under one management in which there is sleeping accommodation for more than 10 persons, primarily used by transients who are lodged with or without meals, whether designated as a hotel, inn, club or other similar occupancy. Apartment hotels are classified as hotels because they are potentially subject to transient occupancy like that of hotels. Buildings with exterior entry to all individual units, and with a maximum of 4 storeys, are classified under group 3500. Where there are less than 10 persons, these buildings are classified under group 3300.

3410 Hotel, inn, lodge - year round use
3420 Hotel, inn, lodge - seasonal use, in season
3430 Hotel, inn, lodge - seasonal use, off season
3440 Hotel, inn, lodge - hostels
3490 Hotel, inn, lodge - unclassified or unknown

MOTOR HOTEL, MOTEL (exterior entry only to all individual units)

Property or group of buildings under one management of 4 storeys or less, with direct exterior entry to each unit and no interior entry, primarily used by transients who are lodged with or without meals, whether designated as a hotel, inn, club, motel, tourist cabin, or any other related occupancy.

3510 Motor hotel, motel - fewer than 3 units, includes tourist cabin
3520 Motor hotel, motel - 3 to 20 units
3530 Motor hotel, motel - over 20 units
3590 Motor hotel, motel - unclassified or unknown

DORMITORY

Building where sleeping accommodation is provided over an extended period for persons not members of the same family group, in one room or in a series of closely associated rooms under joint occupancy and single management, with or without meals.

3610 School, college or university dormitory
3620 Sorority or social club, fraternity
3630 Nurses' residence
3640 Military barracks
3650 Convent, monastery or other religious dormitories
3660 Bunkhouse and workers' barracks
3690 Dormitory - unclassified or unknown

MOBILE HOME, MOBILE ACCOMODATION, TRAILER

A mobile home is a mobile structure designed as a semi-permanent family unit. A travel trailer is a mobile unit designed as a temporary family unit. A camping trailer is a collapsible mobile unit designed as a temporary unit. A motor home is a mobile family unit, permanent or temporary, containing its own motive power.

3710 Mobile home - 1 or 2 family units
3720 Houseboat
Section B – Property Description

3730 Travel trailer
3740 Camping trailer, includes tent trailer
3750 Motor home, includes camperized van
3760 Truck with camper
3770 Tents
3780 Float home - without self-propulsion
3790 Mobile home, trailer - unclassified or unknown

CAMP/RETREATS - SEASONAL USE

Note: Year-round use is coded under 3000 series

3810 Single cabins
3820 Individual rooms/dormitories
3890 Camps/retreats - unclassified or unknown

MISCELLANEOUS – RESIDENTIAL

3910 Childrens' play house
3990 Residential miscellaneous - unclassified or unknown

BUSINESS & PERSONAL SERVICE

Business and personal service means the occupancy or use of a building or part thereof for the transaction of business or the rendering or receiving of professional or personal services.

OFFICE

4110 General business office (excludes post offices)
4120 Civic, federal or provincial government office (includes local and county government offices and police stations without lockup; excludes post offices classified under 4170)
4130 Bank
4140 Medical, health, research or scientific office (excludes laboratory classified under group 9100)
4150 Engineering, architectural and technical office (includes permanent office building of contractor)
4160 Mailing, photocopy company office (includes duplicating, blue-printing, photostating, addressing, mailing or stenographic services, compiling and selling classified mailing lists)
4170 Post office (includes all postal handling facilities; excludes mail boxes classified under group 8160, general administrative office building of postal department classified under 4120)
4180 Document centre, record repository (includes archives)
4190 Office - unclassified or unknown

PERSONAL SERVICE

4210 Barber or hairdressing establishment
4220 Beauty parlour
4230 Tanning salon
Section B – Property Description

4240 Massage parlour
4290 Personal service - unclassified or unknown

**ELECTRONIC EQUIPMENT**

4310 Computer, electronic data processing centre
4320 Electronic data records storage
4330 Electronic equipment – service and repair shop
4390 Electronic Equipment - unclassified or unknown

**MISCELLANEOUS - BUSINESS & PERSONAL SERVICES**

4990 Business & personal services - unclassified or unknown

**MERCANTILE**

Mercantile property means the occupancy or use of a building or part thereof for the displaying or selling of retail goods, wares or merchandise.

**FOOD, BEVERAGE SALE**

Sale of food and beverages for consumption off the premises. The sale of food and drinks for consumption on the premises is classified under group 1700.

5110 Supermarket - 1000m² and over (store selling a broad line of food items and some non-food items and covering 1000m² or over in total area)
5120 Market, grocery stores - less than 1000m² (store selling a broad line of food items and some non-food items and covering less than 1000m² in area)
5125 Grocery store (selling a broad line of food and beverage items and some non-food items) – area unknown
5130 Specialty food store (store specializing in a few basic food items with supplementary items for customer convenience, includes meat, fish, candy, bakery, gourmet shop, health foods and roadside farm produce stand and counter)
5135 Convenience store
5140 Liquor, beverage store
5150 Creamery, dairy store
5160 Delicatessen (store for sale of prepared food mainly for consumption off the premises; excludes drive-in which is classified under 1740)
5170 Mobile food vendors (includes ice cream store/stand/vendor, coffee vendors, hot dog stand, popcorn stand)
5190 Food, beverage sale - unclassified or unknown

**TEXTILE, WEARING APPAREL SALE**

5210 Clothing store, sale of wearing apparel - new, used clothing for sale or rental (includes sale of accessories where incidental to clothing; excludes shoe store or fur store classified under 5220 and 5250 respectively)
5220 Clothing accessories, shoe store (includes sales of ties, shoes, hats and related items when not in clothing store under code 5210)
Section B – Property Description

5250  Fur store (excludes fur departments or stores with a broad line of goods classified under 5810 and the storage of fur garments classified under 7280)
5260  Fabrics store (includes sales of yard goods and piece goods)
5290  Textile, wearing apparel sale - unclassified or unknown

FURNITURE, APPLIANCE, ELECTRONIC EQUIPMENT, HARDWARE (SALES OR RENTAL)

5310  Furniture store (includes sales of all new and used furniture, office furniture and large non-desktop type equipment, such as water coolers; excludes furniture departments of large multi-departmental store which is classified under 5810 and office supply and desk-top office equipment sales classified under 5410)
5320  Appliance store (includes associated repair department; excludes appliance repair shop without sales classified under 5620)
5330  Hardware store
5340  Music store
5350  Wallpaper, paint store
5360  Rug, floor covering store
5370  Electronic equipment (including computers/software)
5380  Video rental store
5390  Furniture, appliance, electronic equipment, hardware (sales or rental) - unclassified or unknown

BOOKS, NEWSPAPERS, DRUGS, JEWELLERY, SPECIALTY SALES

5410  Book, stationery store (includes new and used books, office supplies and desktop equipment)
5420  Newsstand, tobacco shop
5430  Drug store (includes drug store with pharmacist on duty usually during operating hours; excludes drug store without pharmacist classified under 5820)
5440  Jewellery store (includes repair shops and associated gift sales)
5450  Gift shop (excludes jewellery and watch repair classified under 5440)
5460  Leather goods shop (excludes shoes classified under 5220)
5470  Florist shop, greenhouse, nursery
5480  Optical goods sales (includes with or without optometrist)
5490  Books, newspapers, drugs, jewellery, specialty sales - unclassified or unknown

RECREATION, HOBBY SUPPLIES

5510  Hobby, toy shop (excludes sporting, photographic classified under 5520 and 5530)
5520  Sporting goods, bicycle sales and repair (includes sale of firearms, ammunition and tents; excludes sportswear shop which is classified under 5210)
5530  Photographic supply sales, still picture studio (includes incidental processing; excludes plant processing of films classified under 6970)
5540  Garden supply store
5550  Lumber, retail sales (includes lumber distribution centres often of the supermarket type, with sale of related home repair supplies; excludes lumber yards used principally for storage which are classified under 7510)
Section B – Property Description

5560 Pet store, animal hospital (includes kennels)
5570 Art supply sales
5580 Fireworks sales (includes temporary and permanent locations)
5590 Recreation, hobby supplies - unclassified or unknown

REPAIR SHOP, LAUNDRY, DRY CLEANER

5610 Furniture, upholstery repair without sales
5620 Appliance repair shop (excludes repair with sales classified under 5320)
5630 Laundry - self-serve
5640 Laundry, dry cleaner - processing off premises (includes shops for the pick-up and drop off of laundry and dry cleaning with little or no processing on the premises. If processing is done on the premises, classify under 6960)
5650 Shoe repair shop
5660 Home maintenance service
5670 General maintenance shop
5680 Tailor, dressmaking shop
5690 Repair shop, laundry, dry cleaner - unclassified or unknown

MOTOR VEHICLES, BOATS, SALES & SERVICE

5710 Public service station (includes fuel service facilities such as gasoline, diesel fuel and LP gas dispensing with associated lubritorium and facilities; excludes marine service stations classified under 5770)
5711 Self-serve without attendant (includes commercial card lock)
5712 Self-serve with attendant
5713 Full service – attendant on duty
5720 Private service station (includes private or fleet vehicle refuelling where an employee fuels vehicle himself, such as transit company garages, trucking company yards or farms)
5730 Motor vehicle repair garage, vehicle paint shop (excludes car wash classified under 5780 and powder coating shop coded as 6330)
5740 Motor vehicle and trailer sales (includes farm implements)
5750 Motor vehicle accessory sales
5760 Boat, pleasure craft sales (excludes marinas or boat repair yards classified under 7850 and 6820 respectively)
5770 Marine service station, refuelling station
5780 Car wash facility
5790 Motor vehicles, boats, sales and service - unclassified or unknown

DEPARTMENT, VARIETY STORE

Stores selling a wide range of items.

5810 Department store with furniture department (department stores have many separate lines of goods, but to be classified here, the store must have a furniture department)
5820 Small variety store - under 1000m², no furniture department (includes stores of 1000m² or less in area with a wide range of goods but no furniture department, "drug store" without a pharmacist, second hand or surplus stores)
### Section B – Property Description

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>5830</td>
<td>Large variety store - 1000m² or over, no furniture department (includes stores of 1000m² or over in area with a wide range of goods, but no furniture department)</td>
</tr>
<tr>
<td>5840</td>
<td>Mail order store, catalogue store (includes display areas regardless of size; classify under 5810 when the mail order section is a small section of a large store)</td>
</tr>
<tr>
<td>5850</td>
<td>Mall - includes only the public area common to the multi-store facility</td>
</tr>
<tr>
<td>5890</td>
<td>Department, variety store - unclassified or unknown</td>
</tr>
</tbody>
</table>

**MISCELLANEOUS**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>5910</td>
<td>Professional supply sales (includes sales of stethoscopes, hospital supplies, special tools, engineering instruments, and other professional supplies)</td>
</tr>
<tr>
<td>5920</td>
<td>Trade supply sales (includes sale of machinist supplies, plumber's tools, carpentry equipment)</td>
</tr>
<tr>
<td>5930</td>
<td>Builder's supply sales</td>
</tr>
<tr>
<td>5940</td>
<td>Restaurant supplies and services</td>
</tr>
<tr>
<td>5990</td>
<td>Mercantile miscellaneous - unclassified or unknown</td>
</tr>
</tbody>
</table>

**INDUSTRIAL MANUFACTURING PROPERTIES**

Property where raw materials are transformed into new products and the assembly of component parts of manufactured products is considered industrial except in cases where the activity is obviously more appropriately classified elsewhere, such as processing, assembling, mixing, packaging, finishing or decorating, repairing, and similar operations are included. Storage operations concerned with Commercial & Industrial Manufacturing Properties are included in group 7000.

**CHEMICAL, PETROLEUM, PAINT, PLASTIC - MANUFACTURING/PROCESSING**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>6110</td>
<td>Basic industrial chemicals (includes industrial gases; excludes all monomers and plastics)</td>
</tr>
<tr>
<td>6120</td>
<td>Hazardous chemicals (includes chemicals requiring special handling in the manufacture, shipment, storage or use, such as explosives, blasting agents, fireworks, matches, rocket fuels, pyroxylin (cellulose nitrate) plastics, hazardous monomers, organic peroxides; excludes the handling of products from atomic fission and fusion classified under group 9800)</td>
</tr>
<tr>
<td>6130</td>
<td>Plastic material manufacture (includes basic materials plastics, synthetic resins, synthetic adhesive, plastic and elastomers; excludes those included in 6120)</td>
</tr>
<tr>
<td>6140</td>
<td>Plastic products manufacture (includes making of all plastic products such as housings, enclosures, covers, linings, machine parts, molding and extruding)</td>
</tr>
<tr>
<td>6150</td>
<td>Paints, varnishes, lacquers, inks, waxes, adhesives manufacture</td>
</tr>
<tr>
<td>6160</td>
<td>Drugs, cosmetics, pharmaceuticals manufacture</td>
</tr>
<tr>
<td>6170</td>
<td>Petroleum refineries (includes petroleum and petroleum products from coal and other materials and blending of lubricating oils and greases, manufacture of petrochemicals, and includes refinery tankage)</td>
</tr>
<tr>
<td>6180</td>
<td>Asphalt, coal products (includes asphalt paving, roofing material, fuel briquettes, packaged fuels and the distillation of coal in coke ovens not associated with the manufacture of pig iron or the manufacture and</td>
</tr>
</tbody>
</table>
distribution of coal gases; excludes coke ovens in iron and steel works classified under 6310, and gas works classified under 9430)
6190 Chemicals, petroleum, paints, plastics - unclassified or unknown

WOOD, FURNITURE, PAPER, PRINTING

6210 Sawmill, planing mill, wood products mill (includes the manufacture of lumber products, wood building materials, prefabricated parts and structures, cooperage and other wood stock, veneers, plywood, and excelsior; also included is the preservation of wood, sawmills and planing mills, whether or not mobile or operated in the forest; the hewing and rough shaping of poles and other wood materials is classified under 7570)
6220 Wooden, cane containers, small cane ware manufacture (includes the manufacture of boxes, crates, drums, barrels and other wooden containers, baskets and other rattan, reed or willow containers, and small ware made entirely or mainly of rattan, reed, willow or other cane)
6230 Wood, cork products manufacture (includes the manufacture of products of wood, cork, and small ware consisting wholly or mainly of wood; excludes containers)
6240 Furniture, fixture, bedding manufacture (includes the manufacture of household, office, restaurant, public building, and professional furniture, bedding, upholstery, office and store fittings and fixtures regardless of the materials used)
6250 Paper, pulp, paperboard manufacture (includes the manufacture of pulp, fibres, paper, paperboard, insulation board, fibre building paper, and the glazing and laminating of paper or paperboard; excludes the manufacture of asphalted and tar-saturated paper, abrasive paper, sensitized paper, carbon and stencil paper classified under 6180, 6990, and 9570 respectively)
6260 Paper, pulp, paperboard products manufacture (includes the manufacture of pressed and molded pulp goods, containers and articles made of paper and paperboard)
6270 Printing, publishing newspaper, magazine (excludes job printing)
6280 Printing, publishing (includes lithographing, commercial or job printing, book publishing, manufacture of greeting cards, loose-leaf devices, library binders, bookbinding, blank book making, paper ruling, and other work related to bookbinding such as bronzing, gilding and edging, map and sample mounting, services for the printing trades such as typesetting, engraving, etching steel and copper plates, woodcut, photo-engraving, electro-typing and stereotyping; excludes type foundry classified under 6330, engraving on precious metals classified under 6940)
6290 Wood, furniture, paper, printing - unclassified or unknown

METAL, METAL PRODUCTS, ELECTRICAL EQUIPMENT AND APPLIANCES

6310 Basic iron and steel manufacture (includes iron and steel shapes, consisting of all processes from smelting in blast furnaces to the semi-finished stage in rolling mills and foundries, and coke ovens associated with blast furnaces)
6320 Basic nonferrous metals manufacture (includes nonferrous metal shapes, consisting of all processes from smelting, alloying and refining, rolling and drawing and founding and castings - that is, the production of ingots, bars and billets, sheets, strips, castings and extrusions)
6330 Basic metal products manufacture (includes transformation of basic metal forms into finished products, enameling, japanning, lacquering, gilding, galvanizing, plating, polishing, blacksmithing, power coating and welding; excludes manufacture of machinery classified under 6340, electrical and transport vehicles and equipment classified under group 6800 and silverware and jewellery classified under 6940)

6340 Machinery manufacture (includes machine shops, the production of ball bearings and mechanical precision instruments as well as industrial engines, measuring and dispensing pumps; excludes electrical machinery and appliances classified under 6350 and 6360 respectively, and automobile, aircraft and marine equipment classified under 6800)

6350 Electrical and electronic machinery manufacture (includes machinery, apparatus and supplies for the generation, storage, transmission and transformation to electric energy, and the repairing of electrical machinery; excludes instruments of measuring and recording electrical quantities and characteristics classified under 6910)

6360 Electrical and electronic appliance manufacture (includes insulated wire, cables, electric lamps, computers, communication equipment, radios, television sets, phonographs, batteries, X-ray and therapeutic apparatus, electronic tubes and components, and the repair of the electrical appliances; excludes instruments for measuring and recording electrical quantities and characteristics classified under 6910)

6390 Metal, metal products, electrical equipment and appliances - unclassified or unknown

FOOD PROCESSING

6410 Slaughtering, preparation, preserving of meat and poultry (includes killing, dressing, smoking, salting, pickling, quick-freezing, packing, curing, manufacture of natural sausage casings, the rendering of lard and other edible animal fats)

6420 Dairy products manufacturing (includes the pasteurizing and bottling of milk)

6430 Canning, preserving of fruits and vegetables (includes dehydrating and quick-freezing)

6440 Canning, preserving of fish, sea foods (includes salting, drying, dehydrating, smoking, curing, cooking, pickling and quick-freezing; excludes icing, salting and filleting of fish catch and processing of the catch aboard fishing vessels classified under 8480)

6450 Grain mill products manufacturing (includes husking, cleaning, polishing, preparation of breakfast foods such as rolled oats, rice, wheat and corn flakes, blended and prepared flour and starch and its products, prepared feeds for animals and fowl; also includes coffee, root peeling mills and starch and its products)

6460 Bakery products manufacturing (includes bread, cakes, doughnuts pies, pastries and biscuits)

6470 Sugar factories and refineries (includes honey extraction plant)

6480 Cocoa, chocolate and sugar confectionery manufacturing

6490 Food processing - unclassified or unknown

BEVERAGE, TOBACCO, SOAP, MARGARINE

6510 Distilling, rectifying, blending spirits
6520 Wineries
6530 Breweries
6540 Soft drinks, carbonated water processing
6550 Tobacco products manufacturing (includes stemming, redrying and related operations; excludes tobacco drying sheds which are classified under 9260)
6560 Vegetable and animal oil, fat, soap making (includes the hydrogenating (or hardening) of oils and fats, margarine manufacturing, the manufacture of soaps, detergents and other washing and cleaning compounds; excludes the manufacture of lard and other edible fats which is classified under 6410)
6590 Beverage, tobacco, soap, margarine - unclassified or unknown

TEXTILES

6610 Spinning and weaving cotton (includes carding, combing, carbonizing, spinning, weaving of carpets and rugs, lace, braids and other primary textiles)
6620 Spinning and weaving wool, worsted (includes preparing wool and worsted fibres, scouring, carding, combing, carbonizing, spinning, weaving of yarns, fabrics, carpets, rugs, lace, braids and other primary textiles)
6630 Spinning and weaving mixed and blended fibres (includes fibres such as flax, hemp, jute, silk, sisal and synthetic fibres and operations such as retting, scutching, scouring, carding, combing, carbonizing, throwing, spinning, weaving for manufacturing carpets, rugs, lace, braid, yarn and other primary textiles; excludes asbestos spinning and weaving classified under 9580)
6640 Textile finishing (includes bleaching, dyeing, printing and finishing of all fabrics and fibres)
6650 Knitting mill (includes all fibres; excludes making up of garments from knitted fabrics other than in knitting mill, classified under 6720)
6660 Cordage, rope, twine and net manufacturing
6670 Floor covering and coated fabric manufacturing (includes manufacturing linoleum, artificial leather, oilcloth, impregnated and coated fabrics, and floor tiles; excludes rubber and clay tile classified under 6770 and 9510 respectively)
6690 Textiles miscellaneous - unclassified or unknown

FOOTWEAR, WEARING APPAREL MANUFACTURING

6710 Footwear manufacturing (excludes vulcanized footwear classified under 6770)
6720 Wearing apparel manufacturing (includes leather, fur, the making of hat bodies, hats and millinery, and the manufacture of umbrellas and walking sticks; excludes footwear, repair of wearing apparel in connection with the cleaning and pressing classified under 6960)
6730 Textile goods manufacturing (includes stitching, pleating and tucking for the trade; excludes wearing apparel classified under 6720)
6740 Tanneries, leather finishing (includes embossing and japanning)
6750 Fur products manufacture (includes scraping, tanning, bleaching, dyeing and fellmongery; excludes wearing apparel classified under 6720)
6760 Leather products manufacturing (includes products of leather and leather substitutes; excludes footwear and other apparel)
6770 Rubber, rubber products manufacturing (includes natural and synthetic rubber products, the reclaiming of rubber from scrap and miscellaneous waste rubber material)
6790  Footwear, wearing apparel miscellaneous - unclassified or unknown

VEHICLES & RELATED EQUIPMENT MANUFACTURING

6810  Shipbuilding - vessels over 20m (includes barges, lighters, tugs whether self-propelled or not, specialized marine engines, masts, spars, rigging and ship parts manufacturing, dry docks and ship breaking yards)

6820  Boat building - vessels 20m and under (includes boats, yachts, made of any material, whether self-propelled or not, specialized marine engines, masts, sails, rigging and boat parts manufacturing, outboard engines)

6830  Railway equipment manufacturing, assembly

6840  Motor vehicle manufacturing and assembly (includes manufacturing motor vehicle parts; excludes tires and tubes classified under 6770, automobile glass classified under 9520, electrical equipment classified under 6350, agricultural and road building tractors and fork-lift trucks classified under 6340, motor vehicle repairs classified under 5730)

6850  Bicycle manufacturing, assembly and repair

6860  Aircraft and rocket manufacturing, assembly (excludes the manufacture of electric and electronic equipment classified under 6350 or 6360 and aeronautical instruments classified under 6910)

6890  Vehicles and related equipment - unclassified or unknown

MISCELLANEOUS - INDUSTRIAL MANUFACTURING PROPERTY

6910  Instrument manufacturing (includes measuring, controlling, laboratory, scientific, surgical, medical and dental instruments and supplies; excludes optical instruments for scientific and medical use classified under 6920, x-ray and electrical therapeutic apparatus classified under 6360 and the production of measuring and dispensing pumps classified under 6340)

6920  Photographic, optical goods manufacture (includes optical instruments, lens grinding, ophthalmic goods, photographic equipment and supplies, including sensitized film, plates and paper, optical instruments for scientific and medical use)

6930  Watch and clock manufacturing (includes mechanisms for timing devices)

6940  Precious metal, jewellery manufacturing (includes silverware and plate ware, using precious metals, precious and semiprecious stones and pearls, the cutting and polishing of precious and semiprecious stones, the striking of medals and coins, and engraving on metals)

6950  Musical instruments manufacturing (excludes phonographs, compact disks and speech recording machines classified under 6360 and phonograph records classified under 6140)

6960  Dry cleaning plant (includes cleaning, pressing, dyeing and minor repair of apparel and household furnishings)

6970  Photographic film processing (includes processing of photographic film, motion picture or still, in special plants and centres; excludes processing incidental to other operations, such as in a newspaper publishing office)

6980  Toy, sporting goods manufacturing

6990  Industrial manufacturing properties - unclassified or unknown
STORAGE PROPERTIES

Property characterized by the presence of relatively small numbers of persons in proportion to the area. Storage includes all buildings, structures or areas utilized primarily for the storage or sheltering of goods, merchandise, products, vehicles or animals, including servicing, processing or repair operations.

AGRICULTURE PRODUCTS STORAGE

7110 Seeds, beans, nuts, grain storage in bulk (includes bulk storage in bins, silos, cribs, pole barns or piles in the open; excludes storage in barns classified under 9230, silage under 9280 and elevators under 7170)

7120 Agricultural products boxed, crated, packaged for storage

7130 Loose or bagged agricultural products storage (excludes bagged products inside cardboard boxes classified under 7120, loose tobacco storage classified under 7140, bulk storage of seeds, feeds, nuts, beans and grains classified under 7110)

7140 Loose or baled tobacco storage

7150 Livestock storage (includes storage at any point beyond the raising ranch or farm, at rail and truck stockyards and other livestock pens and yards)

7160 Agriculture supply storage (includes feed, fertilizer, peat moss, non-motorized farm implements, hay, grain, seed and feed stores, farm implements)

7170 Commercial grain elevators

7190 Agricultural products storage - unclassified or unknown

TEXTILES, FIBRES, CLOTHING STORAGE

7210 Baled cotton storage

7220 Baled wool or worsted storage

7230 Baled synthetic fibres, silk storage

7240 Storage of baled jute, hemp, flax, sisal, other mixed fibres

7250 Cloth and yarns storage

7260 Wearing apparel, garments and finished textiles storage

7270 Leather and leather products storage

7280 Fur, skin and hair products storage

7290 Textiles, fibres, clothing storage - unclassified or unknown

PROCESSED FOOD, BEVERAGE STORAGE

7310 Packed food stuffs storage (excludes canned goods classified under 7320)

7320 Canned, bottled food, soft drinks storage

7330 Loose or bagged processed foods storage (includes processed animal food storage; excludes natural animal feeds stored in bulk classified under 7110 and natural feed stored in bags classified under 7130)

7340 Alcoholic beverage storage (includes barrels, casks, kegs and bottles)

7350 Cold storage (includes refrigerated buildings with a carefully controlled atmosphere, food locker plants; excludes ice storage classified under 7970)

7360 Bulk sugar storage

7370 Bulk flour, starch storage

7380 Packaged tobacco, tobacco products storage

7390 Processed food, beverage storage - unclassified or unknown
FLAMMABLE LIQUIDS, GASES, PETROLEUM PRODUCTS STORAGE

Excludes those specifically mentioned in group 7600, such as paints and varnishes under 7650.

7410 Flammable liquids tank storage (includes tank farms at terminals, petroleum bulk plants and airport fuel dispensing systems; excludes refinery tankage classified under 6170 and reservoir at oil or gas well classified under 9640)
7420 Packaged petroleum products storage
7430 LP gas bulk plant (excludes filling individual cylinders classified under 5710)
7440 LP gas cylinders storage
7450 Gasometer and cryogenic gases storage
7460 Missile and rocket fuels storage (includes at manufacturing plant, launching site and intermediate fixed storage locations)
7490 Flammable liquids, gases, petroleum products storage - unclassified or unknown

WOOD, FURNITURE, PAPER & PRODUCTS STORAGE

7510 Lumberyards, building materials storage (excludes storage of timber, pulpwood, logs, wood chips and wood fuel classified under 7570 or 7580)
7520 Wood products storage
7530 Furniture storage (includes public warehouse for furniture storage; excludes general warehouse classified under 7910)
7540 Fibre products storage (includes products made from fibres or ordinary combustible materials, such as fibreboard or non-combustible fibre materials with combustible components, such as fibreglass insulation, wood pulp, felt, excelsior, rope)
7550 Rolled paper, newsprint storage
7560 Paper and paper products storage (includes baled paper storage and paper bag storage, cartons and paper stored in recycling bins; excludes rolled paper storage classified under 7550 and pulp storage classified under 7540)
7570 Timber, log storage (includes felling and rough cutting of trees, hewing of poles, blocks; excludes sawmill operating in the forest classified under 6210)
7580 Pulpwood pile, cordwood storage
7590 Wood, furniture, paper and products storage - unclassified or unknown

CHEMICALS, PLASTICS, PAINTS STORAGE

7610 Basic industrial chemicals storage (includes generally non-combustible chemicals, oxygen)
7620 Hazardous chemicals storage (excludes flammable liquids and gases classified under Group 7400 and radioactive materials classified under 9810)
7630 Plastics and plastic products storage
7640 Fertilizers, peat moss storage (classify under 7160 when fertilizers, peat moss are in storage with other agricultural supplies)
7650 Paints and varnishes storage
7660 Drugs, cosmetics and pharmaceuticals storage
7670 Rubber, rubber products storage
7680 Photographic films storage (includes distribution facilities such as film exchanges)
7690 Chemicals, plastics, paints storage - unclassified or unknown
METAL PRODUCTS, MACHINERY, ELECTRICAL APPLIANCE STORAGE

7710 Metal basic forms storage
7720 Metal parts storage
7730 Hardware storage (includes storage of auto parts, auto accessories, tools, plumber's supplies)
7740 Machinery storage
7750 Electrical appliances and supplies storage
7760 Finished metal products storage
7770 Scrap storage and junkyards (includes non-metal waste and scrap, such as wastepaper and tires; excludes recycle material classified under 7911)
7790 Metal products, machinery, electrical appliance storage - unclassified or unknown

VEHICLE STORAGE

7810 Garage - individual residential parking in one-storey garages (includes dwelling garages whether separate or attached)
7820 Garage - general auto parking (includes parking of automobiles of different ownership under the direction of one management, parking in open lots (including apartments), special dwellings and other areas; excludes facilities for repair of motor vehicles classified under 5730)
7830 Bus, truck, fleet, automobile dealer and taxi cab storage (includes parking of motor vehicles under the same ownership; excludes machinery and equipment storage classified under 7840)
7840 Heavy machines and equipment storage (includes public works vehicles, construction and earth-moving equipment, dump trucks and cranes)
7850 Marinas, boat and ship storage (includes docking and mooring facilities for boats in the water, launching facilities and storage of boats and ships for relatively long periods of time; excludes yacht club buildings classified under 1530, boat repairing yards which are classified under 6820, and marine service stations classified under 5770)
7860 Aircraft hangar
7870 Railway storage (includes locomotive storage, car storage and track repair equipment, all fixed railroad storage facilities; excludes railway yards and signaling switching facilities which are classified under Group 8500)
7880 Fire station
7890 Vehicle storage - unclassified or unknown

MISCELLANEOUS STORAGE PROPERTIES

These properties are not readily included in any other group.

7910 Warehouse - generally for a wide variety of types of items
7920 Mineral materials storage (includes bagged cement, lime, gypsum or other mineral materials)
7930 Coal, coke, briquette and charcoal storage
7940 Freight terminal
7950 Glass and glass products storage - in finished form only (includes pottery, chinaware, glass and glass products, clay products, earthenware, ceramics)
7960 Military stores
Recycle center (includes recycle centers for both metal and non-metal recyclables)
Indoor storage (within a building or structure)
Outdoor storage (exposed to the elements)
Pier, wharf (storage in open area)
Miscellaneous storage properties - unclassified or unknown

SPECIAL PROPERTY & TRANSPORTATION EQUIPMENT

These properties are not readily included in any other group and include mainly outdoor property and transport equipment.

OUTDOOR PROPERTY

8110 Brush, grass and light ground cover on open land, field (excludes forests classified under 8180, timber and log piles classified under 7570, and farm crops classified under 9250)
8120 Dumps (includes refuse disposal areas and dumps in open ground; excludes enclosures to burn classified under 9470)
8130 Trees (includes individual trees only)
8140 Fence, poles, railroad ties
8150 Trash, rubbish, recyclables (includes containers/dumpsters for disposal of rubbish or collection of bulk recyclables; excludes public or industrial rubbish facilities classified under 9470)
8160 Mailboxes, newspaper/publication vending box
8170 Cemetery
8180 Forest, standing timber
8190 Outdoor property - unclassified or unknown
8193 Players box (includes players box section of outdoor rinks)

SPECIAL CONNECTING THOROUGHFARES

8210 Bridge, overpass, trestle (includes elevated road and railway)
8220 Tunnel (includes underpass over 30m in length)
8230 Underpass (includes tunnels 30m or less in length)
8240 Aerial tramway (includes ski lifts, chair lifts, cable car, monorail)
8290 Special connecting thoroughfare - unclassified or unknown

UNDER CONSTRUCTION OR DEMOLITION – VACANT

8310 Buildings under construction
8320 Buildings under demolition
8330 Construction, other than building
8340 Demolition, other than building
8350 Vacant property, property without contents
8360 Unoccupied property - unoccupied over 30 days, other than seasonal residences (i.e., non-seasonal use)
8370 Contractor's shed
8380 Building under major renovation
8390 Under construction or demolition - vacant - unclassified or unknown
WATERCRAFT

8410 Motor craft - 20m or less over-all length (includes vessel with built-in motor; excludes outboards classified under 8490 and commercial fishing vessel classified under 8480)
8420 Vessel - under 1000 gross tonnes (includes vessel over 20m over-all length, but under 1000 gross tons)
8430 Passenger ship
8440 Tanker ship
8450 Combat ship
8460 Cargo ship
8470 Non-self-propelled vessel/barge (includes towed barge and towed or towable vessel; excludes sailboat classified under 8490)
8480 Commercial fishing vessel (includes factory vessel)
8490 Watercraft - unclassified or unknown

RAIL TRANSPORT VEHICLE & EQUIPMENT

Railroad, subway, railway, trolley car and other rail vehicles are included in the term "railway". Monorail is classified under 8240.

8510 Passenger, diner or lounge railway car
8520 Passenger sleeper railway car - while made up
8530 Freight, box, tank, hopper, container, piggy back railway car
8540 Locomotive, engine and other power unit
8550 Self-powered railway car (includes trolley, rapid transit car)
8560 Roadbed maintenance equipment/car
8570 Railway signaling and switch control equipment
8580 Railway yard
8590 Rail transport vehicle and equipment - unclassified or unknown

GROUND TRANSPORT VEHICLES

Excludes special vehicles classified under group 8800 and mobile living units classified under group 3700.

8610 Automobile (includes cars, light trucks and vans, single body units; excludes ambulance classified under 8880)
8620 Bus, trackless trolley
8630 Compressed or LP gas tank truck
8640 Flammable liquid, chemical tank truck
8650 General truck (includes tank truck with non-flammable cargo, mail truck, trailer truck and tow truck)
8660 Motorcycle
8670 Vehicle and non-motorized hauling vehicle
8680 Tractor trailer
8690 Ground transport vehicle - unclassified or unknown

AIRCRAFT

8710 Private aircraft
8711 Hot air balloons
### Section B – Property Description

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>8712</td>
<td>Gliders</td>
</tr>
<tr>
<td>8713</td>
<td>Ultra-light aircraft</td>
</tr>
<tr>
<td>8720</td>
<td>Commercial aircraft - non-scheduled airlines</td>
</tr>
<tr>
<td>8730</td>
<td>Commercial passenger aircraft</td>
</tr>
<tr>
<td>8740</td>
<td>Commercial cargo aircraft</td>
</tr>
<tr>
<td>8750</td>
<td>Helicopter and vertical take-off aircraft - non-military</td>
</tr>
<tr>
<td>8760</td>
<td>Military combat aircraft - bomber, fighter, patrol</td>
</tr>
<tr>
<td>8770</td>
<td>Military non-combat aircraft - cargo, training</td>
</tr>
<tr>
<td>8780</td>
<td>Space vehicle - includes rockets and missiles, manned or not</td>
</tr>
<tr>
<td>8790</td>
<td>Aircraft - unclassified or unknown</td>
</tr>
</tbody>
</table>

### SPECIAL VEHICLES

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>8810</td>
<td>Construction equipment (excludes crane classified under 8830)</td>
</tr>
<tr>
<td>8811</td>
<td>Tar pot - used for melting/heating tar for roofing (may be trailer/vehicle mounted)</td>
</tr>
<tr>
<td>8820</td>
<td>Farm tractor and equipment, grain dryer, harvester, picker, etc.</td>
</tr>
<tr>
<td>8830</td>
<td>Mobile or fixed crane</td>
</tr>
<tr>
<td>8840</td>
<td>Industrial truck, forklift and material handling truck, etc.</td>
</tr>
<tr>
<td>8850</td>
<td>Petroleum and gas drilling rig</td>
</tr>
<tr>
<td>8860</td>
<td>Snowmobile, all-terrain vehicle (ATV)</td>
</tr>
<tr>
<td>8870</td>
<td>Logging equipment (includes skidders, loaders, tracked vehicles used in logging and high–lead equipment, stationary or mobile; excludes log trucks, crummies, pickup trucks or other vehicles used in logging operations which should be coded as vehicles under group 8600)</td>
</tr>
<tr>
<td>8880</td>
<td>Emergency vehicles (including fire, ambulance and police)</td>
</tr>
<tr>
<td>8890</td>
<td>Special vehicles - unclassified or unknown (combat vehicles, utility company emergency response vehicles, private dangerous goods response vehicles etc).</td>
</tr>
</tbody>
</table>

### MARINE DOCKING FACILITY

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>8910</td>
<td>Pier, wharf (if the incident involves damage to products or materials stored in open area on pier, wharf, classify under 7980)</td>
</tr>
</tbody>
</table>

### MISCELLANEOUS PROPERTY

These properties are not readily included in any other group and include mainly outdoor property.

### LABORATORIES

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>9110</td>
<td>Chemical, biological laboratory</td>
</tr>
<tr>
<td>9120</td>
<td>Physical material testing, hydraulics laboratory</td>
</tr>
<tr>
<td>9130</td>
<td>Personal, psychological laboratory (includes educational lab)</td>
</tr>
<tr>
<td>9140</td>
<td>Radioactive material handling laboratory</td>
</tr>
<tr>
<td>9150</td>
<td>Electrical, electronic laboratory</td>
</tr>
<tr>
<td>9160</td>
<td>Agricultural laboratory</td>
</tr>
<tr>
<td>9170</td>
<td>General research laboratory</td>
</tr>
<tr>
<td>9180</td>
<td>Medical laboratory</td>
</tr>
<tr>
<td>9190</td>
<td>Laboratory - unclassified or unknown</td>
</tr>
</tbody>
</table>
FARM FACILITIES

9210 Poultry, egg production facility
9220 Cow and cattle production facility (includes cow milking, milk houses, milk cooling facilities; excludes milk processing plants classified under 6420)
9225 Livestock production (milking facilities, poultry and egg production, and fish hatcheries, where unable to classify more specifically)
9230 Barn storage (includes all associated storage such as vehicles and feed; excludes silo classified under 9280, and animal barn classified under 9240)
9240 Animal barn (includes cattle, pigs, horses and other livestock)
9250 Crops, orchards, straw stacks
9260 Commercial greenhouse facility
9270 Fruit, vegetable packing facility
9280 Silo on farm (includes silo for storage of silage; excludes bulk storage of grain, seeds, beans classified under 7110)
9290 Farm facility - unclassified or unknown
9291 Corral
9292 Beehive
9293 Mushroom growing production facility
9294 Tobacco curing shed

MISCELLANEOUS OUTBUILDINGS

9310 Shed - includes implement shed and workshop
9315 Residential greenhouse
9320 Privy
9330 Toll station or booth
9340 Awning, canopy
9350 Storm, weather, bomb, fallout shelter (includes bus shelter, band stand, outdoor performance stage)
9360 Root cellar
9370 Conveyor
9380 Telephone booth
9390 Outbuildings - unclassified or unknown

UTILITY

9410 Electric light and power generating plant
9420 Electric light and power distribution system (includes hydro line and pole, high tension lines, transformers, outside generating plants)
9430 Gas manufacturing plant
9440 Gas distribution system, pipeline (includes transmission lines, compressors, pumps for all types of fuel gas and distribution piping up to the customer side of the meter)
9450 Heating plant (includes central heating plant, steam and superheated water system and district heating system)
9460 Water supply system (includes pump house)
9470 Sanitary service (includes sewers, commercial incinerators and industrial rubbish burners; excludes small rubbish barrels and personal incinerators classified under 8150)
9480 Flammable liquid distribution system, pipeline (includes piping systems and associated equipment for the distribution of flammable liquids from manufacturing plant, storage facility or well up to the customer side of the meter)
9490 Utility - unclassified or unknown

CEMENT, GLASS, POTTERY MANUFACTURING

9510 Structural clay products manufacturing (includes manufacture of bricks, tiles, pipes, crucibles, architectural terra cotta, chimney pipes and refractories)
9520 Glass manufacturing (includes optical glass other than the grinding of optical lenses classified under 6920)
9530 Glass container manufacturing
9540 Pottery, china, earthenware manufacturing
9550 Cement manufacturing
9560 Cement batch mixing plant
9570 Abrasives manufacturing (includes shaping into grindstones, coating cloths and papers with abrasives, and making abrasive bonded wheels and discs)
9580 Non-metallic mineral product manufacturing
9590 Cement, glass, pottery manufacturing - unclassified or unknown

MINING, QUARRYING

Includes underground and surface mines, quarries and oil wells and supplemental onsite machinery. Quarries and mines attached to other properties are, as far as possible, classified under this group.

9610 Coal mine
9620 Iron ore mine, quarry
9630 Mine, metal ore (excludes iron ore mine)
9640 Petroleum, natural gas (includes natural gas well with accompanying reservoir and batteries, prospecting and drilling, oil shale or bituminous sand operations, and extraction of crude oil; excludes oil pipeline classified under 9480 and gas pipeline classified under 9440)
9650 Stone, slate, clay, gravel, sand, quarry or pit
9660 Salt mine, quarry (includes evaporating, crushing, screening and refining; excludes the refining of salt for edible purposes in establishments not engaged in extracting or quarrying salt classified under 6490)
9670 Chemical, fertilizer, mineral mine
9680 Non-metallic mineral mine, quarry (includes all other non-metallic mining and quarrying, peat cutting and digging)
9690 Mining and quarrying - unclassified or unknown

COMMUNICATIONS

9710 National Defence communications sites (includes missile launch sites; excludes radio and radar sites classified under 9720)
9720 Radio, radar site (includes microwave transmitter site, flight control facility, satellite tracking station, repeater site, fixed and mobile station; excludes fire and police communications classified under 9730)
9730 Fire, police communication centre (includes municipal, county, provincial or federal emergency communication centre)
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>9740</td>
<td>Telephone exchange (includes communication cable site with the associated</td>
</tr>
<tr>
<td></td>
<td>repeater and terminal facility)</td>
</tr>
<tr>
<td>9760</td>
<td>Weather station</td>
</tr>
<tr>
<td>9770</td>
<td>Lighthouse, light station</td>
</tr>
<tr>
<td>9790</td>
<td>Communications - unclassified or unknown</td>
</tr>
</tbody>
</table>

**NUCLEONICS**

Property in which uranium, radium, thorium, heavy water and other radioactive or nuclear materials are stored or handled. A laboratory handling radioactive materials is classified under 9140.

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>9810</td>
<td>Radioactive materials, handled in bulk (includes fuel element plant, radioactive waste disposal, heavy water plant)</td>
</tr>
<tr>
<td>9820</td>
<td>Radioactive materials, handled in relatively small quantities</td>
</tr>
<tr>
<td>9830</td>
<td>Nuclear power production or radioactive tracers and isotopes (excludes that portion of the plant devoted to the generation of electricity, classified under 9410)</td>
</tr>
<tr>
<td>9890</td>
<td>Nucleonics - unclassified or unknown</td>
</tr>
</tbody>
</table>

**MISCELLANEOUS EQUIPMENT**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>9950</td>
<td>Barbecue</td>
</tr>
<tr>
<td>9960</td>
<td>Grounds keeping equipment - lawnmowers, irrigation equip, etc.</td>
</tr>
<tr>
<td>9970</td>
<td>Snow blower</td>
</tr>
<tr>
<td>9980</td>
<td>Tillers</td>
</tr>
<tr>
<td>9990</td>
<td>Miscellaneous equipment - unclassified or unknown</td>
</tr>
<tr>
<td>9999</td>
<td>Utility, defense, agriculture, mining, other</td>
</tr>
</tbody>
</table>

**MISCELLANEOUS PROPERTY - OUTDOOR**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0937</td>
<td>Beach</td>
</tr>
<tr>
<td>0940</td>
<td>Water area, other</td>
</tr>
<tr>
<td>0946</td>
<td>Lake, river, stream</td>
</tr>
<tr>
<td>0951</td>
<td>Railroad right of way</td>
</tr>
<tr>
<td>0960</td>
<td>Street, other</td>
</tr>
<tr>
<td>0961</td>
<td>Highway</td>
</tr>
<tr>
<td>0962</td>
<td>Residential Street, road or driveway</td>
</tr>
<tr>
<td>0963</td>
<td>Street or road in commercial area</td>
</tr>
<tr>
<td>0970</td>
<td>Military base/installation</td>
</tr>
<tr>
<td>0972</td>
<td>Aircraft runway</td>
</tr>
</tbody>
</table>

**OTHER**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>9995</td>
<td>Not applicable, e.g. person (where fire caused injury or fatality and no structure or other property was involved)</td>
</tr>
<tr>
<td>Blank</td>
<td>Data element not available in jurisdictional system</td>
</tr>
<tr>
<td>0000</td>
<td>Undetermined/unknown</td>
</tr>
</tbody>
</table>
Section B – Property Description

**Data element:** PROPERTY CLASSIFICATION GROUP
**Label:** PROPGRP

**Record:** Incident
**Format:** Alphanumeric 4

**Description:**
The Property Classification Group is based on the value reported under Property Classification (PROPCLAS). It classifies similar types of properties into common categories.

**Note:**
The categories for the Property Classification Group variable are similar to those reported under the Major Occupancy Group variable, however they are based on the specific property classification.

**Codes:**
- 1000 Assembly
- 2000 Institutional
- 3000 Residential
- 4000 Business & personal service
- 5000 Mercantile
- 6000 Industrial manufacturing companies
- 7000 Storage properties
- 8000 Special property & transportation equipment
- 9000 Miscellaneous property
- 0000 Unknown, undetermined, not applicable, not available

---

**Data element:** PROPERTY CLASSIFICATION SUBGROUP
**Label:** PROPSUBG

**Record:** Incident
**Format:** Alphanumeric 4

**Description:**
The Property Classification Subgroup is based on the value reported under Property Classification (PROPCLAS). It classifies similar types of properties into more detailed categories then the Property Classification Group (PROPGRP).

**Codes:**
- 1100 Assembly – Theatre, studio, auditorium
- 1200 Assembly – Amusement, recreation place
- 1300 Assembly – School, college, university
- 1400 Assembly – Church, funeral parlour
- 1500 Assembly – Social, sports club
- 1600 Assembly – Library, museum, art gallery
- 1700 Assembly – Food or beverage establishment
- 1800 Assembly – Passenger terminal station
- 1900 Assembly – Miscellaneous
2100 Institutional – Penitentiary, correctional facility, reformatory
2200 Institutional – Home for the aged
2300 Institutional – Community care facility
2400 Institutional – Medical facilities
2900 Institutional - Miscellaneous
3100 Residential – One and two-family dwellings
3200 Residential – Apartment, tenement, flat, townhouse, condominium
3300 Residential – Rooming, boarding, lodging house, hostel
3400 Residential – Hotel, inn, lodge
3500 Residential – Motor hotel, motel
3600 Residential – Dormitory
3700 Residential – Mobile home, mobile accommodation, trailer
3800 Residential – Camp, retreats – seasonal use
3900 Residential – Miscellaneous
4100 Business & personal service - Office
4200 Business & personal service – Personal service
4300 Business & personal service – Electronic equipment
4900 Business & personal service - Miscellaneous
5100 Mercantile – Food, beverage sales
5200 Mercantile – Textile, wearing apparel sales
5300 Mercantile – Furniture, appliance, electronic equipment, hardware (sales or rental)
5400 Mercantile – Books, newspapers, drugs, jewellery, specialty sales
5500 Mercantile – Recreation, hobby supplies
5600 Mercantile – Repair shop, laundry, dry cleaner
5700 Mercantile – Motor vehicles, boats, sales & service
5800 Mercantile – Department, variety store
5900 Mercantile - Miscellaneous
6100 Industrial manufacturing companies – Chemical, petroleum, paint, plastic – manufacturing/processing
6200 Industrial manufacturing companies – Wood, furniture, paper, printing
6300 Industrial manufacturing companies – Metal, metal products, electrical equipment and appliances
6400 Industrial manufacturing companies – Food processing
6500 Industrial manufacturing companies – Beverage, tobacco, soap, margarine
6600 Industrial manufacturing companies – Textiles
6700 Industrial manufacturing companies – Footwear, wearing apparel manufacturing
6800 Industrial manufacturing companies – Vehicles & related equipment manufacturing
6900 Industrial manufacturing companies - Miscellaneous
7100 Storage properties – Agricultural products storage
7200 Storage properties – Textiles, fibres, clothing storage
7300 Storage properties – Processed food, beverage storage
7400 Storage properties – Flammable liquids, gases, petroleum products storage
7500 Storage properties - Wood, furniture, paper & products storage
7600 Storage properties – Chemicals, plastics, paints storage
7700 Storage properties – Metal products, machinery, electrical appliance storage
7800 Storage properties – Vehicle storage
7900 Storage properties - Miscellaneous
8100 Special property & transportation equipment – Outdoor property
Section B – Property Description

8200 Special property & transportation equipment – Special connecting thoroughfares
8300 Special property & transportation equipment – Under construction or demolition, vacant
8400 Special property & transportation equipment – Watercraft
8500 Special property & transportation equipment – Rail transport vehicle & equipment
8600 Special property & transportation equipment – Ground transport vehicles
8700 Special property & transportation equipment – Aircraft
8800 Special property & transportation equipment – Special vehicles
8900 Special property & transportation equipment – Marine docking facility
9100 Miscellaneous property – Laboratories
9200 Miscellaneous property – Farm facilities
9300 Miscellaneous property – Miscellaneous outbuildings
9400 Miscellaneous property – Utility
9500 Miscellaneous property – Cement, glass, pottery manufacturing
9600 Miscellaneous property – Mining quarrying
9700 Miscellaneous property – Communications
9800 Miscellaneous property – Nucleonics
9900 Miscellaneous property – Miscellaneous equipment
9990 Miscellaneous property – Outdoor
9999 Miscellaneous – Other
0000 Unknown, undetermined, not applicable, not available

Data element: PROPERTY OWNERSHIP
Label: PROPOWN
Record: Incident
Format: Alphanumeric 2

Description:
The category of the ownership controlling the property involved in the fire incident.

Codes:

01 Government owned and occupied
02 Government owned and leased to others
03 Privately owned and leased to government
04 On consignment (includes property under the care, custody or control of someone other than the owner)
06 Privately owned and occupied
07 Privately owned and leased to others
08 Vehicle owned or leased
09 Property ownership – unclassified
11 Indian Reserve
00 Property ownership – unknown

Blank Data element not available in jurisdictional system
Data element: ILLEGAL USE OF BUILDING
Label: ILLUSE
Record: Incident
Format: Alphanumeric 1

Description:

Codes:

1  Illegal use – marijuana grow-operation
2  Illegal use – methamphetamine lab
3  Illegal use – crack house/drug den
4  Illegal use - other
8  Not applicable
9  Unknown

Blank  Data element not available in jurisdictional system
SECTION C

PROPERTY DETAILS
C. PROPERTY DETAILS

Data element: GENERAL CONSTRUCTION (as related to Property Classification)
Label: GENCONST
Record: Incident
Format: Alphanumeric 1

Description:
General construction describes the type of construction and should be coded in accordance with one of the following classifications.

Notes:
(i) If more than one type of construction is involved, code under that type of construction which constitutes the major portion.
(ii) If general construction is not applicable as in the case of a vehicle, or outside area, code under 8.

Codes:
1 Combustible construction - open wood joist
2 Protected combustible construction - wood protected by plaster
3 Heavy timber construction
4 Non-combustible construction - exposed steel
5 Protected non-combustible construction - protected steel or concrete
8 General construction - not applicable
9 General construction - unclassified
0 General construction – unknown

Blank Data element not available in jurisdictional system

Data element: METHOD OF CONSTRUCTION
Label: METHCONS
Record: Incident
Format: Alphanumeric 1

Codes:
1 Stick built – constructed on site
2 Manufactured – assembled/placed on site
0 Method of construction - unknown

Blank Data element not available in jurisdictional system
Data element: YEAR OF CONSTRUCTION
Label: YEARCONS

Record: Incident
Format: Date 4 (YYYY)

Description:
Year of construction should be coded under one of the classifications listed below. In many cases the figure will have to be an estimate. If the property involved has undergone renovation, code the original year of construction.

If the property involved is other than a building or structure (vehicle, outside area), it is coded under 0008.

If the year of construction was completely unknown, it has been coded under 0000.

Codes: (based on 1976 Census of Canada groupings)

<table>
<thead>
<tr>
<th>Year</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1920</td>
<td>1920 or before</td>
</tr>
<tr>
<td>1921</td>
<td>1921 to 1945</td>
</tr>
<tr>
<td>1946</td>
<td>1946 to 1950</td>
</tr>
<tr>
<td>1951</td>
<td>1951 to 1960</td>
</tr>
<tr>
<td>1961</td>
<td>1961 to 1965</td>
</tr>
<tr>
<td>1966</td>
<td>1966 to 1968</td>
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<tr>
<td>1969</td>
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<td>1970</td>
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<td>1981</td>
<td>1981</td>
</tr>
<tr>
<td>1982</td>
<td>1982</td>
</tr>
<tr>
<td>- Etc. -</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Not applicable</td>
</tr>
<tr>
<td>0</td>
<td>Unknown</td>
</tr>
</tbody>
</table>

Blank Data element not available in jurisdictional system
Section C – Property Details

Data element: BUILDING HEIGHT
Label: HEIGHT

Record: Incident
Format: Numeric

Description:
Building height refers to the number of storeys between the floor of the first storey (exclusive of basements or cellars) and the roof. In the case of buildings such as grain elevators in which there are no intervening storeys, the heights are coded on the basis of 3 metres being equivalent to one storey.

Codes:

XXX Actual number of storeys
8 Not applicable - vehicle, outside area, etc.

Blank Data element not available in jurisdictional system/not reported

Data element: GROUND FLOOR AREA
Label: FLRAREA

Record: Incident
Format: Alphanumeric 1

Description:
The ground floor area refers to the area of the ground floor only and are coded according to one of the classifications shown below.

Codes:

1 1 to 100m²
2 over 100 to 500m²
3 over 500 to 1000m²
4 over 1000 to 2500m²
5 over 2500 to 5000m²
6 over 5000 to 10 000m²
7 over 10 000m²
8 Not Applicable - vehicle, outside area, etc.
9 Ground floor area - unclassified
0 Cannot be determined

Blank Data element not available in jurisdictional system
Section C – Property Details

**Data element:** NUMBER OF OCCUPANTS
**Label:** NUMBOCC

**Record:** Incident
**Format:** Alphanumeric 1

**Description:**
Number of Occupants refers to the estimated number of people in the building at the time of the fire. Number of Occupants are coded under one of the categories listed below.

**Codes:**

1. 1 to 10 occupants
2. 11 to 60 occupants
3. 61 to 100 occupants
4. 101 to 300 occupants
5. 301 to 500 occupants
6. 501 to 1000 occupants
7. Over 1000 occupants
8. Not applicable - vehicle, outside area, etc.
9. Unoccupied
0. Cannot be determined

Blank  Data element not available in jurisdictional system

---

**Data element:** VALUE AT RISK – BUILDING/VEHICLE VALUE
**Label:** RISKVALA

**Record:** Incident
**Format:** Numeric

**Description:**
Value at Risk refers to the estimated cash value of the building and/or vehicle and are actual dollar figures.

**Values:**

$XXX,XXX,XXX  Building/vehicle value in dollars
Blank  Data element not available in jurisdictional system/not reported
Section C – Property Details

**Data element:** VALUE AT RISK – CONTENTS VALUE
**Label:** RISKVALB

**Record:** Incident
**Format:** Numeric

**Description:**
Value at Risk refers to the estimated cash value of the property contents only and are actual dollar figures.

**Values:**

<table>
<thead>
<tr>
<th>Value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>$XXX,XXX,XXX</td>
<td>Contents value in dollars</td>
</tr>
<tr>
<td>Blank</td>
<td>Data element not available in jurisdictional system/not reported</td>
</tr>
</tbody>
</table>

**Data element:** VALUE AT RISK – TOTAL VALUE AT RISK
**Label:** RISKVALC

**Record:** Incident
**Format:** Numeric

**Description:**
Value at Risk refers to the total estimated cash value of the property including its contents and are actual dollar figures.

**Values:**

<table>
<thead>
<tr>
<th>Value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>$XXX,XXX,XXX</td>
<td>Total value at risk in dollars</td>
</tr>
<tr>
<td>Blank</td>
<td>Data element not available in jurisdictional system/not reported</td>
</tr>
</tbody>
</table>
SECTION D

FIRE PROTECTION FEATURES
## D. FIRE PROTECTION FEATURES

**Data element:** Manual Fire Protection Facilities  
**Label:** MANPROT  
**Record:** Incident  
**Format:** Alphanumeric 1

**Description:**  
Manual Fire Protection Facilities refers to the provision of hand fire extinguishers or standpipe and hose systems and is coded according to one of the classifications listed below.

**Codes:**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>Extinguishers and standpipe system</td>
</tr>
<tr>
<td>4</td>
<td>Extinguishers</td>
</tr>
<tr>
<td>6</td>
<td>Standpipe system</td>
</tr>
<tr>
<td>7</td>
<td>No manual fire protection</td>
</tr>
<tr>
<td>8</td>
<td>Not applicable - outside area, etc.</td>
</tr>
<tr>
<td>9</td>
<td>Unclassified</td>
</tr>
<tr>
<td>0</td>
<td>Cannot be determined</td>
</tr>
<tr>
<td></td>
<td>Blank Data element not available in jurisdictional system</td>
</tr>
</tbody>
</table>
Data element: Sprinkler Protection
Label: SPRINPRO
Record: Incident
Format: Alphanumeric 1

Description:
Sprinkler Protection is only coded in the case of buildings and is coded according to one of the classifications listed below. Sprinkler Protection may be installed throughout the building in which case the system should be classified as "complete", or in part of the building only. If there are less than 10 sprinklers, the building is considered to be not sprinklered (exception: some properties may be completely protected by a sprinkler system with less than 10 sprinkler heads). Where a structure has been sprinklered in conformance with NFPA 13 it will be considered to be fully protected by a sprinkler system.

In addition, the sprinkler system could be central station supervised or the building could be provided with standard watchman service consisting of regular recorded rounds, the alarms from the sprinkler system could be directly transmitted to fire alarm headquarters, or the alarms could be local only, which fact should be indicated by using the appropriate classification.

Codes:

1  Complete sprinkler protection - supervised or watchman service
2  Complete sprinkler protection - alarm to fire department
3  Complete sprinkler protection - unsupervised, local alarms only
4  Partial sprinkler protection - supervised or watchman service
5  Partial sprinkler protection - alarm to fire department
6  Partial sprinkler protection - unsupervised, local alarms only
7  No sprinkler protection
8  Not applicable - vehicle, outside area, etc.
9  Sprinkler protection - unclassified
0  Cannot be determined

Blank  Data element not available in jurisdictional system
Data element: FIXED SYSTEM OTHER THAN SPRINKLERS
Label: FIXEDSYS
Record: Incident
Format: Alphanumeric

Description:

Fixed System Other Than Sprinklers is only coded in the case of buildings and is coded according to one of the classifications listed below. If the property involved is other than a building, e.g., vehicle or outside area, it is coded under 8. If the Fixed System Other Than Sprinklers is known but the description is not included in the classification system, it has been coded under 9.

In addition, the system could be central station supervised or the building could be provided with standard watchman service consisting of regular recorded rounds, the alarms from this type of system could be directly transmitted to fire alarm headquarters, or the alarms could be local only, which fact should be indicated by using the appropriate classification.

Codes:

1  Fixed system other than sprinkler - supervised or watchman service
2  Fixed system other than sprinkler - alarm to fire departments
3  Fixed system other than sprinkler - unsupervised, local alarms only
4  No fixed system
5  Dry chemical system
6  Special hazard system, other
8  Not applicable - vehicle, outside area, etc.
9  Fixed system other than sprinkler - unclassified
0  Cannot be determined

Blank  Data element not available in jurisdictional system
Data element: AUTOMATIC FIRE DETECTION SYSTEM
Label: AUTODET

Record: Incident
Format: Alphanumeric 2

Description:
Automatic Fire Detection System is only coded in the case of buildings and is coded according to one of the classifications listed below.

Automatic Fire Detection System may be installed throughout the buildings in which case the system is classified as "complete", or in parts of the building only, such as in storage areas or air handling systems, in which case the system is classified as "partial".

Automatic Fire Detection System may also be central station supervised or directly connected to fire alarm headquarters or provided with local alarms only, which fact should be indicated by using the appropriate classification.

In addition, Automatic Fire Detection System may operate on the heat detection principle, either fixed temperature or rate-of-rise, or on the detection of products of combustion or smoke principle, which fact is indicated by using the appropriate classification.

Note: Installation of smoke alarms in a dwelling unit is not a fire alarm system.

Codes:

01 No central alarm
02 Single stage central alarm
03 Single stage central alarm, connection to remote monitoring agency (See Section H2)
04 Two stage central alarm
05 Two stage central alarm, connection to remote monitoring agency
06 Central alarm with voice
07 Central alarm with voice, connection to remote monitoring agency
08 Not applicable (vehicle, outside area, etc.)
11 Alarm present, type unknown or not reported
00 Cannot be determined

Blank Data element not available in jurisdictional system
Data element: FIRE DETECTION DEVICES
Label: FIREDET
Record: Incident
Format: Alphanumeric 2

Note: Specialty detectors include flame detectors, beam detectors and line detectors.

Codes:

01 Smoke detectors
02 Smoke detectors, heat detectors and smoke detectors in return air ducts
03 Heat detectors and smoke detectors in return air ducts
04 Heat detectors
05 Smoke detectors and specialty detectors
06 Heat detectors and specialty detectors
07 Not applicable (vehicle, outside area, etc.)
08 Heat detectors, smoke detectors and specialty detectors
09 Detector type, other
10 More than one type present, not specified
11 Sprinkler, water flow detection
20 No detection devices
00 Cannot be determined

Blank Data element not available in jurisdictional system

Data element: OUTSIDE FIRE PROTECTION
Label: OUTPROT
Record: Incident
Format: Alphanumeric 1

Description: “Outside Fire Protection” refers to the outside fire protection facilities available to combat a fire and is coded according to one of the classifications listed below. It includes the provision of such facilities as water mains, hydrants and fire departments, or combinations thereof.

Codes:

1 Municipal hydrant protection and fire department
2 Municipal hydrant protection and no fire department
3 Municipal fire department only
5 Private hydrant protection and fire department
6 Private hydrant protection and no private fire department
7 Private fire department only
8 Not applicable - no outside fire protection
9 Unclassified
0 Cannot be determined

Blank Data element not available in jurisdictional system
Section D – Fire Protection Features

**Data element:** WATER SITUATION
**Label:** WATER
**Record:** Incident
**Format:** Alphanumeric 1

**Codes:**

1  Hydrant within 150 metres  
2  Hydrant within 150 to 300 metres  
3  Hydrant 300 or more metres  
4  Tanker shuttle service available (no hydrant)  
5  None of the above  
9  Undetermined

Blank   Data element not available in jurisdictional system

**Data element:** FIRE SERVICE
**Label:** SERVICE
**Record:** Incident
**Format:** Alphanumeric 2

**Description:**
Fire Service describes the organization of the fire service in the municipality where the property is located and is coded according to one of the classifications listed below.

**Note:** Fire/medical refers to a combined Department function of providing structural fire response as well as pre-hospital emergency care.

**Codes:**

10  Full-time fire department  
20  Volunteer/paid-on-call fire department  
30  Combined/composite full-time and volunteer fire department  
40  Police/fire  
41  Police acting as full-time firefighters  
42  Combined police and fire department – full-time  
43  Combined police and volunteer firefighters  
50  Fire/medical  
51  Fire/medical full-time  
52  Fire/medical volunteer  
53  Fire/medical composite/combined full-time-volunteer  
60  Fire service - other  
61  Aircraft (emergency response services)  
62  Forestry/renewable resources/wildland  
63  Industrial volunteer/paid-on-call brigade  
64  Industrial full-time department  
70  Fire service - contract to others
### Section D – Fire Protection Features

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>80</td>
<td>Not applicable - no fire service</td>
</tr>
<tr>
<td>90</td>
<td>Fire service - unclassified</td>
</tr>
<tr>
<td>00</td>
<td>Fire service - cannot be determined</td>
</tr>
</tbody>
</table>

Blank  Data element not available in jurisdictional system
SECTION E

CIRCUMSTANCES CONTRIBUTING TO THE OUTBREAK OF FIRE
E. CIRCUMSTANCES CONTRIBUTING TO THE OUTBREAK OF FIRE

The following examples of coding for the first four data elements in this section are provided to assist in the interpretation of their definitions.

Examples of Coding for:

a) Igniting Object
b) Fuel or Energy Associated with Igniting Object
c) Energy Causing Ignition (Form of Heat)
d) Material First Ignited

<table>
<thead>
<tr>
<th>Example Description</th>
<th>Igniting Object</th>
<th>Fuel or Energy Associated with Igniting Object</th>
<th>Energy Causing Ignition (Form of Heat)</th>
<th>Material First Ignited</th>
</tr>
</thead>
<tbody>
<tr>
<td>a) A cooking oil fire starts in a deep fat fryer on top of a hot electric stove</td>
<td>030</td>
<td>60</td>
<td>6</td>
<td>560</td>
</tr>
<tr>
<td>b) A lighted cigarette is dropped into a waste basket igniting the paper</td>
<td>711</td>
<td>50</td>
<td>8</td>
<td>460</td>
</tr>
<tr>
<td>c) Lightning sets fire to a roof covered with asphalt shingles</td>
<td>010</td>
<td>70</td>
<td>3</td>
<td>020</td>
</tr>
<tr>
<td>d) Gasoline is used to accelerate a fire in a wood stove/range</td>
<td>231</td>
<td>10</td>
<td>4</td>
<td>510</td>
</tr>
</tbody>
</table>

Note: In the last example the gasoline is the Material First Ignited with the direct flame in the wood-burning stove being the Fuel or Energy Causing Ignition.
Section E –Circumstances Contributing to the Outbreak of Fire

Data element: IGNITING OBJECT
Label: IGNIOBJ
Record: Incident
Format: Alphanumeric 3

Description:
The Igniting Object is the actual equipment, device or item which brings about ignition. The actual classification system is contained herein.

If there is no Igniting Object, it has been coded under 010. For example, if an electrical discharge from a transformer ignited the roof of a house, the igniting object would be the transformer, use code 520. Alternatively, if an electrical discharge in the form of lightning ignited the roof of a house, there would be no igniting object and Code 010 would apply.

Notes:
(i) Igniting Object refers to the complete equipment and not to component parts
(ii) In the case of an exposure fire, codes 810-890 have been used.

Codes:

GENERAL
010 No igniting object (i.e. lightning)

COOKING EQUIPMENT
020 Stove, range, top burner area - involving fire in pan
030 Stove, range, top burner area - involving fire in pot used as a deep fat fryer
040 Stove, range, top burner area - involving other circumstances
050 Oven of stove, range
055 Stove, range, top burner or oven, not specified
060 Chafing dish, fondue
070 Deep fat fryer - separate appliance
071 Commercial - non-turbulent medium (older units)
072 Commercial - turbulent medium (new high efficiency units)
073 Domestic/household temperature controlled deep fat fryer
080 Smoker (meat, fish, etc.)
110 Fry pans, grill not on stove
120 Other portable cooking unit - includes hot plate, camp stove
130 Open fired broiler, fixed type
140 Open fired broiler, portable type - includes barbecue
150 Portable food warming appliance - includes steam table, warming drawer, warming table
160 Toaster, waffle iron
170 Electric kettle, coffee maker/urn
180 Microwave oven
185 Electric wok
190 Cooking equipment - unclassified or unknown
**HEATING EQUIPMENT**

- 210 Central heating unit - includes furnace, boiler, stoker
- 220 Water heater
- 230 Stationary space heater (includes wall furnace, unit heater, room heater, heating stove, baseboard heater)
- 231 Wood stove
- 240 Portable space heater - includes room heater, salamander
- 250 Fireplace
- 251 Zero clearance fireplace
- 252 Fireplace insert
- 253 Free-standing fireplace
- 254 Masonry, brick fireplace
- 260 Chimney
- 261 Factory built chimney
- 262 Masonry chimney
- 263 Metal chimney
- 270 Flue pipe, vent connector
- 280 Radiant heating systems
- 281 Ceiling
- 282 Floor
- 290 Heating equipment - unclassified or unknown
- 295 Heating, ventilating, air conditioning (when cannot report air conditioning separately under codes 350 or 360)

**APPLIANCES AND EQUIPMENT**

- 310 Television, computer monitor
- 320 Radio, stereo, phonograph, tape recorder, video cassette recorder
- 330 Clothes dryer
- 340 Washing machine
- 345 Dishwasher
- 350 Central air conditioning and refrigeration equipment
- 360 Individual air conditioner or dehumidifier
- 370 Individual refrigeration unit (includes refrigerator, freezer, refrigerated vending machine)
- 380 Pressing iron - includes ironing machine
- 390 Portable generator
- 410 Lawnmower
- 420 Snow blower
- 430 Electric blanket, heating pad
- 435 Fan
- 440 Incinerator
- 460 Vehicle related heaters
- 461 Interior heaters
- 462 Block heaters
- 463 Vehicle battery blanket
- 480 Glue gun
- 485 Hair dryer
- 490 Appliances and equipment - unclassified or unknown
- 491 Barbecue starter (electric)
- 492 Sauna heater
Section E – Circumstances Contributing to the Outbreak of Fire

493 Waterbed heater
494 Vacuum cleaner
495 Electric can opener
496 Paint sprayer
497 Hot tub, spa

ELECTRICAL DISTRIBUTION EQUIPMENT

510 Permanent electric wiring, cable (includes power line, junction box)
511 Copper conductors
512 Aluminium conductors
520 Transformer
530 Switchgear (includes power switchgear only)
531 Electrical bypass (illegal operations)
540 Panel board, switchboard (includes fuse, circuit breaker)
550 Switch, outlet (includes receptacle, socket)
560 Temporary electric wiring
561 Extension cord
562 Construction site wiring/field wiring
563 Power bars
564 Appliance cord
570 Low voltage wiring (includes signal, communication, telephone, computer wiring - commonly below 30 volts)
580 Battery, rectifier (includes charger, rotary converter)
590 Electrical distribution equipment (unclassified or unknown)

OTHER ELECTRICAL EQUIPMENT

610 Motor, 1HP & over (includes motor forming an integral part of an appliance or separated by a belt, chain or connecting shaft, generator motor; excludes air conditioning and refrigeration equipment classified under 350, 360, or 370, dryer classified under 330, washing machine classified under 340, central heating unit classified under 210, lawn mowers classified under 410, snow blowers classified under 420)
620 Motor under 1HP (includes motor forming an integral part of an appliance or separated by a belt, chain or connecting shaft, generator motor; excludes air conditioning and refrigeration equipment classified under 350, 360, or 370, dryer classified under 330, washing machine classified under 340, central heating unit classified under 210, lawn mowers classified under 410, snow blowers classified under 420)
621 Power drill, screwdriver
622 Power saw
623 Power cutting tool
624 Power sander, grinder, buffer, polisher
629 Power tools, other
630 Electronic communications equipment
640 Electronic data processing equipment (includes digital and analog computers, electronic sorting equipment, electronic data processing equipment; excludes communications equipment classified under 570 and 630)
650 Incandescent lamp, light bulb (includes lantern, flashlight)
651 Halogen lamp (includes fixture)
### Section E – Circumstances Contributing to the Outbreak of Fire

655  Grow lamps/lights (commonly associated with hydroponics operations) – all for all jurisdictions except BC (for BC, this code represents illegal use of grow lamps/lights)

656  Grow lamps/lights (commonly associated with hydroponics operations) – illegal (BC only)

660  Fluorescent lamp (includes ballast)

670  Video game equipment (includes video lottery machines and electrical/electronic arcade games)

680  Photocopier, facsimile (fax) or computer printer

690  Electrical equipment - unclassified or unknown

#### SMOKER’S MATERIAL AND "OPEN" FLAME

710  Smoker’s material (includes cigarette, pipe, cigar and/or matches, lighter when used in conjunction with smoking; excludes match, lighter when not associated with smoker’s material classified under 720)

711  Smoker’s material - cigarette

712  Smoker’s material - pipe (contents)

713  Smoker’s material - cigar

714  Smoker’s material - ashtray (contents)

715  Smoker’s material - match

716  Smoker’s material - cannot be determined

717  Smoker’s material - lighter

720  Match, lighter - not used in conjunction with smoking

721  Match

722  Lighter

723  Match or lighter - cannot be determined

730  Lamp, lantern (excludes electric lamp, lanterns coded under 650)

740  Candle, taper

750  Cutting torch

760  Welding equipment

770  Torch - other than cutting, welding (includes plumber's furnace, blow torch, plumber's torch, burner, soldering iron, paint stripping torch)

780  Hot ashes, embers - not associated with smoker's material

790  Smoker’s material and "open" flames - unclassified or unknown

#### EXPOSURE

810  Exposure, structure attached

820  Exposure, structure detached

830  Exposure, lumber yard

840  Exposure, outside storage container, tank

850  Exposure to "open" fire (includes campfire, bonfire, warning flare, rubbish fire, "open" incinerator)

860  Exposure, forest, trees

870  Exposure, grass, shrub, brush, scrub

880  Exposure, vehicle (as described in Section B - property classifications 8400 to 8890)

890  Exposure - unclassified or unknown
## MISCELLANEOUS

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>900</td>
<td>Internal combustion engine (includes exhaust system)</td>
</tr>
<tr>
<td>905</td>
<td>Air compressor</td>
</tr>
<tr>
<td>910</td>
<td>Heat treatment equipment (includes furnace, oven, quench tank, casting, molding, forging equipment)</td>
</tr>
<tr>
<td>920</td>
<td>Industrial oven (includes kiln; excludes oven used for food preparation classified under 050, heat treatment oven classified under 910)</td>
</tr>
<tr>
<td>930</td>
<td>Tar pot</td>
</tr>
<tr>
<td>940</td>
<td>Explosive (includes blasting agent and all material so defined under the Explosives Act)</td>
</tr>
<tr>
<td>950</td>
<td>Fireworks (includes sparklers and flares)</td>
</tr>
<tr>
<td>951</td>
<td>Display or high hazard fireworks</td>
</tr>
<tr>
<td>952</td>
<td>Shop goods/family fireworks</td>
</tr>
<tr>
<td>953</td>
<td>Sparklers</td>
</tr>
<tr>
<td>954</td>
<td>Flares</td>
</tr>
<tr>
<td>955</td>
<td>Hay processing equipment</td>
</tr>
<tr>
<td>959</td>
<td>Gardening tools or agricultural equipment, other</td>
</tr>
<tr>
<td>960</td>
<td>Bearing, belting, conveyor, brake</td>
</tr>
<tr>
<td>970</td>
<td>Commercial and industrial machinery, equipment (includes sawing, planing, grinding, forming, opening, picking, carding, garneting, weaving machinery, printing equipment, photographic equipment; excludes appliances and equipment classified under 310 to 490, other electrical equipment classified under 510 to 590)</td>
</tr>
<tr>
<td>980</td>
<td>Chemical reaction, spontaneous combustion</td>
</tr>
<tr>
<td>990</td>
<td>Miscellaneous igniting object</td>
</tr>
<tr>
<td>991</td>
<td>Molotov cocktail</td>
</tr>
<tr>
<td>999</td>
<td>Miscellaneous igniting object - unclassified</td>
</tr>
<tr>
<td>000</td>
<td>Igniting object - cannot be determined</td>
</tr>
</tbody>
</table>

**Blank**  Data element not available in jurisdictional system
Data element: IGNITING OBJECT GROUP
Label: IGNOBGRP
Record: Incident
Format: Alphanumeric 4

Description:
The Igniting Object Group is based on the value reported under the Igniting Object (IGNIOBJ) variable. It classifies the actual equipment, device or item which brings about ignition into broader, but common categories.

Codes:

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0100</td>
<td>No igniting object</td>
</tr>
<tr>
<td>1000</td>
<td>Cooking equipment</td>
</tr>
<tr>
<td>2000</td>
<td>Heating equipment</td>
</tr>
<tr>
<td>3000</td>
<td>Appliances and equipment</td>
</tr>
<tr>
<td>5000</td>
<td>Electrical distribution equipment</td>
</tr>
<tr>
<td>6000</td>
<td>Other electrical equipment</td>
</tr>
<tr>
<td>7000</td>
<td>Smoker’s material and open flame</td>
</tr>
<tr>
<td>8000</td>
<td>Exposure</td>
</tr>
<tr>
<td>9000</td>
<td>Miscellaneous</td>
</tr>
<tr>
<td>0000</td>
<td>Unknown, undetermined, not applicable, not available</td>
</tr>
</tbody>
</table>

Data element: FUEL OR ENERGY ASSOCIATED WITH IGNITING OBJECT
Label: FUELERGY
Record: Incident
Format: Alphanumeric 2

Description:
Fuel or Energy denotes the fuel or energy normally used in conjunction with the Igniting Object, and has been coded according to one of the classifications listed below.

Notes:

(i) If lightning is involved, it has been coded under 70, whether or not an igniting object was also involved
(ii) In the case of an exposure fire, it has been coded under 80

Example:
If a fire results from gasoline being used to accelerate a coal fired stove, the fuel or energy used in conjunction with the stove (igniting object) is the coal and is classified under 10.

Codes:

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td>Coal, wood (includes coke, paper or waste used for lighting or incidental burning)</td>
</tr>
<tr>
<td>20</td>
<td>Fuel oil (includes diesel and kerosene)</td>
</tr>
<tr>
<td>30</td>
<td>Gasoline</td>
</tr>
</tbody>
</table>
### Section E – Circumstances Contributing to the Outbreak of Fire

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>40</td>
<td>Natural gas or other fuel gases (includes materials composed predominantly of propane, propylene, acetylene, butane or mixtures of them)</td>
</tr>
<tr>
<td>41</td>
<td>Fuel gas - natural gas</td>
</tr>
<tr>
<td>42</td>
<td>Fuel gas - propane</td>
</tr>
<tr>
<td>43</td>
<td>Fuel gas - other</td>
</tr>
<tr>
<td>44</td>
<td>Fuel gas - unknown</td>
</tr>
<tr>
<td>50</td>
<td>Smoker’s material (includes cigarette, cigar, pipe, match or lighter)</td>
</tr>
<tr>
<td>51</td>
<td>Match or lighter not used in conjunction with smoking</td>
</tr>
<tr>
<td>60</td>
<td>Electricity</td>
</tr>
<tr>
<td>70</td>
<td>Lightning</td>
</tr>
<tr>
<td>80</td>
<td>Exposure fire</td>
</tr>
<tr>
<td>88</td>
<td>Not applicable</td>
</tr>
<tr>
<td>90</td>
<td>Fuel or energy - unclassified</td>
</tr>
<tr>
<td>00</td>
<td>Fuel or energy - cannot be determined</td>
</tr>
</tbody>
</table>

Blank  Data element not available in jurisdictional system
Data element: ENERGY CAUSING IGNITION (FORM OF HEAT)
Label: ENERGY
Record: Incident
Format: Alphanumeric 2

Description:
Energy Causing Ignition refers to the energy which associates the Igniting Object with the Material First Ignited and is coded to one of the classifications listed below.

Notes:
(i) If lightning is involved in a fire, it has been coded under 3
(ii) In the case of an exposure fire, 1, 4 or 6 have been coded as applicable

Codes:

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>Spark, ember (includes flying brand)</td>
</tr>
<tr>
<td>02</td>
<td>Spark, electrical (includes arc, discharge; excludes static electrical spark classified under 3)</td>
</tr>
<tr>
<td>03</td>
<td>Spark, static electrical</td>
</tr>
<tr>
<td>04</td>
<td>Direct flame</td>
</tr>
<tr>
<td>05</td>
<td>Friction heat</td>
</tr>
<tr>
<td>06</td>
<td>Hot object (direct heat by conduction or radiation, no direct contact with flames or embers)</td>
</tr>
<tr>
<td>07</td>
<td>Spontaneous (excludes spontaneous ignition of incompatible chemicals)</td>
</tr>
<tr>
<td>08</td>
<td>Heat from smoker's material (excludes match, lighter, classified under 4 when such are used other than in conjunction with smoker's material)</td>
</tr>
<tr>
<td>09</td>
<td>Energy causing ignition - unclassified</td>
</tr>
<tr>
<td>10</td>
<td>Heat spread or radiated heat from another fire</td>
</tr>
<tr>
<td>11</td>
<td>Sunlight</td>
</tr>
<tr>
<td>12</td>
<td>Explosives, fireworks</td>
</tr>
<tr>
<td>13</td>
<td>Chemicals, chemical reaction</td>
</tr>
<tr>
<td>00</td>
<td>Energy causing ignition - cannot be determined</td>
</tr>
</tbody>
</table>

Blank   Data element not available in jurisdictional system
Section E – Circumstances Contributing to the Outbreak of Fire

Data element: MATERIAL FIRST IGNITED
Label: MATERIAL
Record: Incident
Format: Alphanumeric 3

Description:
Material First Ignited is the actual material ignited which brings about the fire condition. It does not include the fuel or energy associated with the Igniting Object, except where the ignition of the fuel itself creates the fire condition. The actual classification system appears on the following pages.

Codes:

**BUILDING COMPONENTS**

010 Roof covering - wood
020 Roof covering - other than wood
025 Roof covering - unspecified
030 Exterior wall covering, surface, finish - includes eave
040 Exterior trim and appurtenance (includes door, porch, platform, balcony)
050 Floor covering - wood
060 Floor covering - linoleum, tile, plastic
070 Floor covering - carpet, rug
080 Building component - floor, ceiling, roof (excludes floor covering classified under 50, ceiling covering classified under 130, 140, or 150)
090 Building component – wall (excludes exterior wall classified under 030 or 040, interior wall covering classified under 110 or 120)
110 Interior wall covering (excludes plastic classified under 120)
120 Interior wall covering, surface material - plastic
130 Ceiling covering, surface material - wood, high density fibreboard (includes plywood, hardboard, chipboard)
140 Ceiling covering, surface material - low density fibreboard (includes softboard, pulboard, paperboard)
150 Ceiling covering, surface material - plastic
160 Insulation - wood, wood product - rigid (includes cellulose insulation; excludes wood shavings, sawdust classified under 420)
170 Insulation - plastic (excludes electric insulation classified under 950)
180 Insulation - mineral (includes binder, envelope)
190 Building components - unclassified
100 Building components - cannot be determined

**FURNITURE, FURNISHINGS**

210 Furniture - upholstered (includes chesterfield, sofa, davenport, couch)
220 Furniture - wood - not upholstered (includes table, bookcase, desk, chest of drawers, cabinet, dresser, filing cabinet, piano, organ, not upholstered chair)
230 Furniture - plastic (not upholstered)
240 Ironing board
250 Mattress (includes hide-a-bed mattress, box spring)
260 Bedding (includes blanket, sheet, comforter, eiderdown, heating pad, pillow)
270 Drapery (includes curtain, blind, tapestry)
280  Broom, mop, brush
290  Furniture, furnishings - unclassified
200  Furniture, furnishings - cannot be determined

**CLOTHING, TEXTILES**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>310</td>
<td>Clothing - cotton</td>
</tr>
<tr>
<td>320</td>
<td>Clothing - wool</td>
</tr>
<tr>
<td>330</td>
<td>Clothing - synthetic fibre - includes mixed fibres</td>
</tr>
<tr>
<td>340</td>
<td>Fabric - cotton (includes finished goods; excludes fibre, yarn classified under 810, clothing classified under 310, bedding classified under 260, drapery classified under 270)</td>
</tr>
<tr>
<td>350</td>
<td>Fabric - wool (includes finished goods; excludes fibre, yarn classified under 810, clothing classified under 320, bedding classified under 260, drapery classified under 270)</td>
</tr>
<tr>
<td>355</td>
<td>Fabric – natural, unspecified</td>
</tr>
<tr>
<td>360</td>
<td>Fabric - synthetic fibre (includes finished goods; excludes fibre, yarn classified under 810, clothing classified under 330, bedding classified under 260, drapery classified under 270)</td>
</tr>
<tr>
<td>370</td>
<td>Fur (includes finished goods)</td>
</tr>
<tr>
<td>380</td>
<td>Tarpaulin (includes plastic sheeting used as tarpaulin)</td>
</tr>
<tr>
<td>390</td>
<td>Clothing, textiles - unclassified (excludes paper clothing classified under 450)</td>
</tr>
<tr>
<td>300</td>
<td>Clothing, textiles - cannot be determined</td>
</tr>
</tbody>
</table>

**WOOD, PAPER PRODUCTS**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>410</td>
<td>Wood (includes box, barrel, case, finished lumber, plywood; excludes structural component classified under the 100 series, furniture, furnishings classified under the 200 series and felled timber classified under 850)</td>
</tr>
<tr>
<td>420</td>
<td>Wood shavings (includes chippings, sawdust, excelsior, wood wool, wood flour)</td>
</tr>
<tr>
<td>440</td>
<td>Paper, packing material (includes shredded paper)</td>
</tr>
<tr>
<td>450</td>
<td>Paper decoration (includes napkin, tablecloth, clothing, costume)</td>
</tr>
<tr>
<td>460</td>
<td>Wastepaper (excludes garbage, trash classified under 960)</td>
</tr>
<tr>
<td>470</td>
<td>Cardboard (includes carton, box)</td>
</tr>
<tr>
<td>480</td>
<td>Paper stock (includes stationery supplies, files, book, magazine, newspaper, writing paper)</td>
</tr>
<tr>
<td>490</td>
<td>Wood, paper products - unclassified</td>
</tr>
<tr>
<td>400</td>
<td>Wood, paper products - cannot be determined</td>
</tr>
</tbody>
</table>

**FLAMMABLE LIQUIDS, COMBUSTIBLE LIQUIDS**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>510</td>
<td>Gasoline</td>
</tr>
<tr>
<td>520</td>
<td>Fuel oil (includes Grades #1 to #6, kerosene)</td>
</tr>
<tr>
<td>521</td>
<td>Diesel</td>
</tr>
<tr>
<td>522</td>
<td>Kerosene</td>
</tr>
<tr>
<td>523</td>
<td>Fondue fuel</td>
</tr>
<tr>
<td>524</td>
<td>Lighter fluid</td>
</tr>
<tr>
<td>525</td>
<td>Alcohol (includes methanol)</td>
</tr>
</tbody>
</table>
Section E – Circumstances Contributing to the Outbreak of Fire

530 Combustible liquid - not otherwise specified - flashpoint 37.8°C (100°F) and over (includes varsol, shellsol, lubricating oils; excludes fuel oil classified under 520, 521, 522)
531 Power steering fluid
532 Transmission fluid
533 Brake or hydraulic fluid
534 Motor grease, etc.
535 Crude oil
536 Motor oil
537 Contact cement
538 Glue
540 Flammable liquid - not otherwise specified - flashpoint under 37.8°C (100°F) (includes solvent, thinner, lacquer; excludes gasoline classified under 510)
550 Paint, varnish
560 Cooking oil, fat
561 Vegetable oil (includes margarine)
562 Animal fat (includes butter and lard)
563 Deep fat synthetic frying oil (not animal based)
570 Tar, asphalt (includes pitch, bitumen)
580 Polish, wax
590 Flammable liquids, combustible liquids - unclassified
500 Flammable liquids, combustible liquids - cannot be determined

FLAMMABLE GASES

610 Natural gas
630 Propane (includes butane, liquefied petroleum gases)
640 Anaesthetic gas
650 Acetylene
660 Hydrogen
690 Flammable gases - unclassified
600 Flammable gases - cannot be determined

CHEMICALS, PLASTICS, METALS

720 Cellulose Nitrate (includes celluloid, pyroxylin plastic materials)
730 Plastics (excludes cellulose nitrate classified under 720)
740 Oxidizing Material (includes bleach, hydrogen peroxide)
750 Magnesium and alloys
760 Titanium, zirconium and alloys
770 Rubber, natural and synthetic (includes tire, belting)
780 Ammonium nitrate
790 Chemicals, plastics, metals - unclassified
700 Chemicals, plastics, metals - cannot be determined

AGRICULTURAL, FORESTRY PRODUCTS

810 Fibres (includes all natural and synthetic fibres, either raw or in process, natural and synthetic yarn, rope, twine, string, lint)
820 Grain, Flour, Starch and associated dusts
821 Food, starch (potato, rice, pasta)
822 Food, protein (vegetable or animal protein)
Section E – Circumstances Contributing to the Outbreak of Fire

823 Food, fruit – vegetables (not otherwise specified)
830 Hay
840 Tree, shrub
850 Felled timber (excludes sawn lumber classified under 410)
860 Grass, brush, leaves
870 Manure
880 Christmas tree – natural (excludes artificial classified under 980)
890 Agricultural, forestry products - unclassified
800 Agricultural, Forestry Products - cannot be determined

MISCELLANEOUS

911 Coke, coal
912 Barbecue starter sticks
913 Fire logs
914 Barbecue starter briquettes
915 Peat
916 Hog fuel
920 Creosote (including in chimney)
930 Sulphur, gunpowder
940 Wood treatment oil
950 Insulation, electric - confined to electrical equipment (includes only when confined to electrical equipment)
960 Garbage, trash, rubbish
970 Oily rags (includes paint rags, waste impregnated with petroleum distillates)
980 Artificial tree
985 Artificial plants (not including artificial Christmas trees coded to 980)
990 Material first ignited - miscellaneous - unclassified
000 Material first ignited - miscellaneous - cannot be determined

Blank Data element not available in jurisdictional system
Data element: MATERIAL FIRST IGNITED GROUP
Label: MATERGRP
Record: Incident
Format: Alphanumeric 4

Description:
The Material First Ignited Group is based on the value reported under the Material First Ignited (MATERIAL) variable. It classifies the actual material ignited which brought about the fire condition into broader, but common categories.

Codes:
- 1000 Building components
- 2000 Furniture, furnishings
- 3000 Clothing, textiles
- 4000 Wood, paper products
- 5000 Flammable liquids, combustible liquids
- 6000 Flammable gases
- 7000 Chemicals, plastics, metals
- 8000 Agricultural, forestry products
- 9000 Miscellaneous
- 0000 Unknown, undetermined, not applicable, not available

Data element: ACT OR OMISSION
Label: ACTOROM
Record: Incident
Format: Alphanumeric 3

Description:
It is not only the Igniting Object, the Fuel or Energy in conjunction with it, or the Form of Heat, which result in a fire; there is also a set of circumstances precipitated by human acts (something is done) or human omissions to act (something which has not been done).

The purpose of this classification is to indicate these acts or omissions, be they deliberate or negligent. It includes such actions as incendiary acts and negligent use of fuel sources, equipment or materials. It also includes such factors as mechanical failures which may have resulted from human omissions through lack of maintenance, or through design, construction or installation deficiencies.

"Young person" refers to the term as defined by the Youth Criminal Justice Act (YCJA).

Code 008 Act or Omission – Not Applicable may be used where no specific indication of a deliberate or negligent human act or omission has been found. (i.e., Urban-Wildland Interface exposure fire due to lightning strike)

Act or Omission is coded according to one of the classifications listed below.
### Codes:

**INCENDIARY FIRES**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>110</td>
<td>Incendiary fire</td>
</tr>
<tr>
<td>111</td>
<td>Child - 11 years of age or younger</td>
</tr>
<tr>
<td>112</td>
<td>Young person - 12 to 17 years of age</td>
</tr>
<tr>
<td>113</td>
<td>Adult - 18 years of age and older</td>
</tr>
<tr>
<td>114</td>
<td>Suspect not identified</td>
</tr>
<tr>
<td>120</td>
<td>Suspicious</td>
</tr>
<tr>
<td>121</td>
<td>Child - 11 years of age or younger</td>
</tr>
<tr>
<td>122</td>
<td>Young person - 12 to 17 years of age</td>
</tr>
<tr>
<td>123</td>
<td>Adult - 18 years of age and older</td>
</tr>
<tr>
<td>124</td>
<td>Suspect not identified</td>
</tr>
<tr>
<td>130</td>
<td>Riot, civil disturbance</td>
</tr>
<tr>
<td>140</td>
<td>Vandalism, mischief</td>
</tr>
<tr>
<td>190</td>
<td>Unclassified</td>
</tr>
<tr>
<td>100</td>
<td>Not determined</td>
</tr>
</tbody>
</table>

**MISUSE OF SOURCE OF IGNITION**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>210</td>
<td>Smokers' material</td>
</tr>
<tr>
<td>220</td>
<td>Thawing</td>
</tr>
<tr>
<td>230</td>
<td>Inadequate control of &quot;open&quot; fire</td>
</tr>
<tr>
<td>240</td>
<td>Playing with source of ignition</td>
</tr>
<tr>
<td>241</td>
<td>Child - 11 years of age or younger</td>
</tr>
<tr>
<td>242</td>
<td>Youth - 12 to 17 years of age</td>
</tr>
<tr>
<td>243</td>
<td>Adult - 18 years of age and older</td>
</tr>
<tr>
<td>250</td>
<td>Welding or cutting too close</td>
</tr>
<tr>
<td>260</td>
<td>Torch too close</td>
</tr>
<tr>
<td>290</td>
<td>Misuse of source of ignition - unclassified</td>
</tr>
<tr>
<td>200</td>
<td>Misuse of source of ignition - cannot be determined</td>
</tr>
</tbody>
</table>

**MISUSE OF MATERIAL IGNITED**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>310</td>
<td>Fuel spilled accidentally</td>
</tr>
<tr>
<td>320</td>
<td>Improper fuelling technique</td>
</tr>
<tr>
<td>330</td>
<td>Flammable liquid to kindle fire</td>
</tr>
<tr>
<td>340</td>
<td>Cleaning, washing parts</td>
</tr>
<tr>
<td>350</td>
<td>Improper container</td>
</tr>
<tr>
<td>360</td>
<td>Overheated cooking oil, grease, wax</td>
</tr>
<tr>
<td>370</td>
<td>Combustible placed too close to heat</td>
</tr>
<tr>
<td>380</td>
<td>Improper storage</td>
</tr>
<tr>
<td>390</td>
<td>Misuse of material ignited - unclassified</td>
</tr>
<tr>
<td>300</td>
<td>Misuse of material ignited - cannot be determined</td>
</tr>
</tbody>
</table>

**MECHANICAL/ELECTRICAL FAILURE/MALFUNCTION**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>410</td>
<td>Part failure, leak, break</td>
</tr>
<tr>
<td>420</td>
<td>Automatic control failure</td>
</tr>
<tr>
<td>430</td>
<td>Manual control failure</td>
</tr>
<tr>
<td>440</td>
<td>Electrical short circuit</td>
</tr>
</tbody>
</table>
CONSTRUCTION, DESIGN OR INSTALLATION DEFICIENCY

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>510</td>
<td>Design deficiency</td>
</tr>
<tr>
<td>520</td>
<td>Construction deficiency</td>
</tr>
<tr>
<td>530</td>
<td>Installed too close to combustible</td>
</tr>
<tr>
<td>540</td>
<td>Other installation deficiency</td>
</tr>
<tr>
<td>550</td>
<td>Over fusing</td>
</tr>
<tr>
<td>560</td>
<td>Suspected faulty connection involving aluminum wiring</td>
</tr>
<tr>
<td>570</td>
<td>Suspected faulty connection involving copper wiring</td>
</tr>
<tr>
<td>590</td>
<td>Construction, design or installation deficiency - unclassified</td>
</tr>
<tr>
<td>500</td>
<td>Construction, design or installation deficiency - cannot be determined</td>
</tr>
</tbody>
</table>

MISUSE OF EQUIPMENT

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>610</td>
<td>Over fuelling</td>
</tr>
<tr>
<td>620</td>
<td>Wood burning appliance</td>
</tr>
<tr>
<td>621</td>
<td>Log rolled out</td>
</tr>
<tr>
<td>622</td>
<td>Screen not closed</td>
</tr>
<tr>
<td>623</td>
<td>Glass doors exploded, shattered</td>
</tr>
<tr>
<td>624</td>
<td>Paper fell out</td>
</tr>
<tr>
<td>625</td>
<td>Flying embers</td>
</tr>
<tr>
<td>630</td>
<td>Lack of maintenance</td>
</tr>
<tr>
<td>640</td>
<td>Equipment unattended</td>
</tr>
<tr>
<td>690</td>
<td>Misuse of equipment - unclassified</td>
</tr>
<tr>
<td>600</td>
<td>Misuse of equipment - cannot be determined</td>
</tr>
</tbody>
</table>

HUMAN FAILING

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>710</td>
<td>Asleep (excludes suspected use of alcohol, drugs or medication classified under 760)</td>
</tr>
<tr>
<td>720</td>
<td>Temporary loss of judgement suspected (includes panic)</td>
</tr>
<tr>
<td>730</td>
<td>Physical or mental disability</td>
</tr>
<tr>
<td>740</td>
<td>Accident</td>
</tr>
<tr>
<td>750</td>
<td>Suspected impairment - use of alcohol, drugs or medication</td>
</tr>
<tr>
<td>760</td>
<td>Asleep - suspected use of alcohol, drugs or medication</td>
</tr>
<tr>
<td>761</td>
<td>Fatigued</td>
</tr>
<tr>
<td>770</td>
<td>Ignorance of hazard</td>
</tr>
<tr>
<td>780</td>
<td>Distracted, preoccupied</td>
</tr>
<tr>
<td>781</td>
<td>Unattended or unsupervised person. Includes “latch key” situations whether the person involved is young or old and situations where the person involved lacked supervision or care</td>
</tr>
<tr>
<td>782</td>
<td>Age (i.e. infant, young child, elderly)</td>
</tr>
<tr>
<td>783</td>
<td>Multiple persons involved. Includes gang activity</td>
</tr>
<tr>
<td>790</td>
<td>Human failing - unclassified</td>
</tr>
<tr>
<td>700</td>
<td>Human failing - cannot be determined</td>
</tr>
</tbody>
</table>
Section E – Circumstances Contributing to the Outbreak of Fire

VEHICLE ACCIDENT

810  Automobile
820  Industrial truck
830  Other road vehicle
840  Rail vehicle
850  Watercraft
860  Aircraft
890  Vehicle accident - unclassified
800  Vehicle accident - cannot be determined

MISCELLANEOUS ACT OR OMISSION

910  Tampering with safety devices
911  Outside/open fire for warming or cooking
912  Outside/open fire for debris or waste disposal
990  Miscellaneous act or omission – unclassified
991  Hot exhaust/catalytic converter
992  Exposure from wildland fire
993  Exposure fire, other
994  Rekindle
995  Illegal operations/activities (e.g. grow ops, meth labs)
008  Act or omission – not applicable
000  Act or Omission - cannot be determined

Blank  Data element not available in jurisdictional system

Data element: ACT OR OMISSION GROUP
Label: ACTOMGRP
Record: Incident
Format: Alphanumeric 4

Description:
The Act or Omission Group is based on the value reported under the Act or Omission (ACTOROM) variable. It classifies the set of circumstances precipitated by human acts or omissions that contributed to the fire into broader, but common categories.

Codes:

1000  Incendiary fires
2000  Misuse of source of ignition
3000  Misuse of material ignited
4000  Mechanical/electrical failure/malfunction
5000  Construction, design or installation deficiency
6000  Misuse of equipment
7000  Human failing
8000  Vehicle accident
9000  Miscellaneous
0000  Unknown, undetermined, not applicable, not available
SECTION F

FACTORS RELATING TO THE ORIGIN AND SPREAD OF FIRE
F. FACTORS RELATING TO THE ORIGIN AND SPREAD OF FIRE

Data element: AREA OF ORIGIN
Label: ORIGIN
Record: Incident
Format: Alphanumeric 3

Description:
Area of Origin of Fire refers to the specific use or occupancy of that part of the Property where the fire originates and not necessarily to the overall use or occupancy of the Property.

This list is flexible to fit the several different buildings classified under "Property Classification". Items 000-790 (inclusive) refer to areas inside or connected to buildings. Vehicles and areas outside of buildings are classified under 800-890 and 900-990 respectively.

Note: If the fire originates from a completely detached segregated building, structure or facility or from an outside open area, then the appropriate code has been specified under Structural Area.

Codes:

MULTIPLE AREAS OF ORIGIN

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>001</td>
<td>2 to 3 areas of origin</td>
</tr>
<tr>
<td>002</td>
<td>4 or more areas of origin</td>
</tr>
<tr>
<td>003</td>
<td>Multiple areas - unspecified</td>
</tr>
</tbody>
</table>

MEANS OF EGRESS

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>010</td>
<td>Hallway, corridor</td>
</tr>
<tr>
<td>020</td>
<td>Stairway, exterior (includes fire escape, ramp)</td>
</tr>
<tr>
<td>030</td>
<td>Stairway, interior (includes ramp)</td>
</tr>
<tr>
<td>040</td>
<td>Escalator</td>
</tr>
<tr>
<td>050</td>
<td>Lobby, entrance way</td>
</tr>
<tr>
<td>060</td>
<td>Elevator (includes shaft and machinery room)</td>
</tr>
<tr>
<td>090</td>
<td>Means of egress - unclassified</td>
</tr>
</tbody>
</table>

ASSEMBLY, FAMILY, SALES AREA (GROUPS OF PEOPLE)

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>110</td>
<td>Large assembly area - over 60 people - fixed seats (includes auditorium, chapel, place of worship, theatre, arena, stadium, lecture hall aisles)</td>
</tr>
<tr>
<td>120</td>
<td>Large assembly area - over 60 people - non-fixed seats (includes ballroom)</td>
</tr>
<tr>
<td>130</td>
<td>Small assembly area - 60 people or less (includes classroom, meeting room with or without fixed seats)</td>
</tr>
<tr>
<td>140</td>
<td>Lounge, living room (includes music room, common room, TV room, den, recreation room, family room, sitting room)</td>
</tr>
</tbody>
</table>
Section F - Factors Relating to the Origin and Spread of Fire

150 Sales, show room area (includes shop; excludes display window classified under 280)
160 Library, museum - includes art gallery
170 Sports facility (includes gymnasium, swimming pool, bowling alley, curling rink, billiard hall)
180 Covered court, atrium, mall concourse
190 Assembly, sales area – unclassified

FUNCTION AREA

210 Sleeping - under 5 occupants (includes patients' room, bedroom, cell, lockup.
220 Sleeping - 5 or more occupants (includes ward, dormitory, barracks)
230 Dining area (includes mess room, canteen, lunchroom, cafeteria)
240 Bar, beverage area
250 Washroom, locker area (includes checkroom, cloakroom, rest room, bathroom, powder room, toilet, shower room, sauna bath)
260 Office
270 Laboratory
280 Display windows
290 Printing and photographic reproduction
300 Electronic equipment communication room (includes radar room, telephone switchboard)
310 Kitchen, cooking area
320 Laundry area (includes wash house)
330 First-aid, treatment area (includes minor surgery)
340 Operating room (includes recovery room, operating theatre)
350 Electronic equipment room (includes electronic computer area, data processing centre)
360 Performance area (includes stage, ice rink, boxing ring, basketball floor, studio)
370 Backstage, dressing room
380 Process, manufacturing area
390 Function area - unclassified

STORAGE AREA - INSIDE BUILDING

410 Product storage area (includes all areas where products are held awaiting process, shipment, use or sale, storage tanks)
420 Closet (includes lockers)
430 Supplies, equipment area (includes tool room, maintenance supply room, supply room, dead storage room)
440 Records storage area (includes vaults)
450 Shipping, receiving area (includes packing departments, mail room, loading bay or area, shipping platform)
460 Trash, rubbish area (includes wastepaper, industrial waste, garbage; excludes incinerator room and chute classified under 640)
470 Vehicle storage (includes garage, carport; excludes outside parking area classified under 930)
480 Agricultural products storage
490 Storage area - unclassified
SERVICE FACILITIES

510 Dumbwaiter, conveyor shaft
520 Service shaft (includes pipe, conduit, vent; excludes duct classified under 550, 560 or 570)
530 Chute (excludes flue-fed incinerator loading chute classified under 640)
540 Pipe, piping (includes transmission pipelines)
550 Duct - heating, air conditioning
560 Duct - cooking
570 Duct - laboratory fume exhaust
580 Chimney, flue pipe, gas vent
590 Service facilities - unclassified

SERVICE AND EQUIPMENT AREA

610 Machinery room (includes elevator machinery room, engine room, pump room, header house, refrigeration room)
620 Heating equipment room (includes furnace room, water heater closet, boiler room)
630 Transformer vault (includes ancillary switchgear)
640 Incinerator room (includes all incinerator operations, chute)
650 Maintenance shop (includes repair shop, welding shop, workshop, carpentry shop, electrical shop, plumbing shop)
660 Paint shop
661 Paint booth
662 Paint storage
670 Test cell
680 Projection room
690 Service and equipment area - unclassified

STRUCTURAL AREA

710 Crawl space (includes sub-structure space)
720 Exterior balcony (includes open porch)
730 Ceiling and floor assembly (includes concealed floor/ceiling space)
740 Ceiling and roof/ceiling space
750 Wall assembly (includes concealed wall space)
760 Exterior wall
770 Exterior roof
780 Awning, canopy
790 Structural area - unclassified

VEHICLE AREA

820 Vehicle - engine area - includes running gear, wheels
830 Vehicle - fuel area - includes fuel line
840 Vehicle - control area (includes the bridge of ships, cockpit of planes, cab or truck operating area; excludes dining area of vehicles openly communicating with passenger area classified under 850)
850 Vehicle - passenger area
860 Vehicle - cargo area (includes trucks and autos)
890 Vehicle Area - unclassified
OUTSIDE AREA

910  Open area (includes lawn, field, farmyard, park, pier, wharf)
915  Wildland, woods
920  Court, patio, terrace
930  Parking area
931  Highway, parking lot, street: on or rear
935  Railroad right of way: on or near
940  Storage area (includes outdoor shipping facilities other than loading platforms attached to buildings; excludes outside trash or rubbish storage classified under 950)
950  Trash, rubbish area
960  Fuel dispensing area
980  Exposure (including smoke damage)
990  Outside area – unclassified

UNKNOWN

008  Not applicable
000  Area of origin – unknown
Blank  Data element not available in jurisdictional system

Data element:  AREA OF ORIGIN GROUP
Label:  ORIGGRP
Record:  Incident
Format:  Alphanumeric 4

Description:
The Area of Origin of Fire Group is based on the value reported under the Area of Origin (ORIGIN) variable. It classifies the specific use or occupancy of the part of the property where the fire originated into broader, but common categories.

Codes:

0001  Multiple areas of origin
0010  Means of egress
1000  Assembly, family, sales area (groups of people)
2000  Function area
4000  Storage area – inside building
5000  Service facilities
6000  Service & equipment area
7000  Structural area
8000  Vehicle area
9000  Outside area
0000  Unknown, undetermined, not applicable, not available
Section F - Factors Relating to the Origin and Spread of Fire

Data element: LEVEL OF ORIGIN
Label: LEVELOR
Record: Incident
Format: Alphanumeric 2

Description:
Level of Origin refers to the floor or area where the fire originated. If there were no intervening floors or irregularly spaced floors, it refers to the height above grade where the fire originated.

Codes:
01 Basement, sub-basement
02 Crawl space, under structure
03 Ground floor, grade level or grade to 3m
04 2nd storey or over 3m to 6m above grade
05 3rd storey or over 6m to 9m above grade
06 4th to 12th storey (inclusive) or over 9m to 36m above grade
07 Over 12 storey or over 36m
08 Roof level (includes concealed roof space, attic)
10 Exposure fire
11 Mezzanine (any level)
09 Level of origin - not applicable (includes vehicle)
00 Level of origin - unknown
99 Level of origin - unclassified

Blank Data element not available in jurisdictional system

Data element: FLAME SPREAD - INTERIOR FINISH
Label: FLAMEINT
Record: Incident
Format: Alphanumeric 1

Description:
This classification denotes routes by which flames (char) spread beyond the room or area of origin.

Codes:
1 Spread on ceiling finish
2 Spread on wall finish
3 Spread on floor finish
4 Spread on ceiling and wall finish
5 Spread on ceiling and floor finish
6 Spread on wall and floor finish
7 Spread on ceiling, wall and floor finish
8 Not a factor
9 Flame spread interior finish – unclassified
0 Flame spread interior finish - unknown
Blank Data element not available in jurisdictional system
### Section F - Factors Relating to the Origin and Spread of Fire

**Data element:** FLAME SPREAD - VERTICAL OPENINGS  
**Label:** FLAMEVER  
**Record:** Incident  
**Format:** Alphanumeric 1  
**Description:**

This classification denotes routes by which flames (char) spread beyond the room or area of origin of the fire.

**Codes:**

1. Through unenclosed stairwell or elevator shaft  
2. Through inadequate firestopping (includes inside of walls, around pipes, poke-throughs, etc.)  
3. Through air-handling ducts  
4. Through utility shaft  
5. Through failure of a rated assembly  
6. By way of the exterior of the building  
7. Not a factor  
8. Flame spread vertical openings - unclassified  
9. Flame spread vertical openings - unknown  
0. Blank  

Data element not available in jurisdictional system

---

**Data element:** FLAME SPREAD - HORIZONTAL OPENINGS  
**Label:** FLAMEHOR  
**Record:** Incident  
**Format:** Alphanumeric 1  
**Description:**

This classification denotes routes by which flames (char) spread beyond the room or area of origin of the fire.

**Codes:**

1. Through air-handling ducts  
2. Through attic spaces, ceilings or concealed spaces  
3. Doors burned through in rated assembly  
4. Through doors open in rated assembly  
5. Through corridor  
6. Through utility openings  
7. Through windows  
8. Not a factor  
9. Flame spread horizontal openings - unclassified  
0. Flame spread horizontal openings - unknown  

Blank  

Data element not available in jurisdictional system
Data element: SMOKE SPREAD AVENUES
Label: SMOKSPRD
Record: Incident
Format: Alphanumeric 1

Description:
Smoke Spread Avenues denotes the routes by which smoke spread beyond the room or area of origin, and has been coded according to one of the classifications below.

Codes:

1  Through air-handling ducts
2  Through the corridor
3  Through the elevator shaft
4  Through the stairwell
5  Through openings in construction (includes gaps between slabs and walls, over doors, etc.)
6  Through utility openings - horizontal walls
7  Through utility openings - in floors
8  Not a factor
9  Smoke spread avenues - unclassified
0  Smoke spread Avenues - unknown

Blank  Data element not available in jurisdictional system
SECTION G

FIRE LOSS DETAILS
Data element: EXTENT OF FIRE
Label: FIREEXT
Record: Incident
Format: Alphanumeric 2

Description:
Extent of Fire is the actual extent of burning or charring and does not include browning or blistering of paint. It is coded according to one of the classifications listed below.

Codes:

01 Confined to object of origin
02 Confined to part of room/area of origin
03 Confined to room of origin
04 Confined to floor level of origin
05 Confined to building of origin
06 Extended beyond building of origin
07 Confined to roof
08 Not applicable - vehicle or outside area
09 Extent of fire – unclassified
14 Spread beyond room of origin
15 Multi-unit dwelling – Spread beyond room of fire origin, same floor, outside unit
16 Multi-unit-dwelling – Spread beyond room of fire origin, same floor, separate unit
17 Spread beyond floor of fire origin, different floor
18 Spread to entire structure
20 Spread beyond suit or apartment, same floor
21 Spread to additional suit or apartment, same floor
00 Extent of fire - unknown

Blank  Data element not available in jurisdictional system
Section G – Fire Loss Details

Data element: EXTENT OF DAMAGE
Label: DAMEXT

Record: Incident
Format: Alphanumeric 1

Description:
Extent of Damage is the total extent of damage caused by actual burning or charring and includes damage caused by heat (browning, blistering, etc.), smoke, water and other extinguishing agents. It has been coded according to one of the classifications listed below.

Extent of Damage is only coded where the property involved is a building. If the property involved is other than a building (example: vehicle, outside area), it has been coded under 8.

Codes:
0 Confined to object of origin
1 Confined to part of room/area of origin
2 Confined to room of origin
3 Confined to floor level of origin
4 Confined to building of origin
5 Extended beyond building of origin
6 Confined to roof
7 Not applicable (includes vehicle, outside area)
8 Extent of damage - unclassified
0 Extent of damage - unknown

Blank Data element not available in jurisdictional system

Data element: DOLLAR LOSS – BUILDING/VEHICLE
Label: DOLLOSSA

Record: Incident
Format: Numeric

Description:
Loss has been recorded as the estimate of the damage caused by the fire. The loss includes damage to buildings and vehicles. Such loss shall not exceed the cost of repair and replacement on a like kind and quality basis. Loss only includes direct loss caused by the fire, including salvage, but not indirect loss due to "use and occupancy" or business interruption. The amount is in dollars; an estimate has been recorded if not available.

Values:
$XXX,XXX,XXX Value of building/vehicle in dollars
Blank Data element not available in jurisdictional system/not reported
### Section G – Fire Loss Details

<table>
<thead>
<tr>
<th>Data element:</th>
<th>DOLLAR LOSS - CONTENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Label:</td>
<td>DOLLOSB</td>
</tr>
<tr>
<td>Record:</td>
<td>Incident</td>
</tr>
<tr>
<td>Format:</td>
<td>Numeric</td>
</tr>
</tbody>
</table>

**Description:**
Loss has been recorded as the estimate of the damage caused by the fire. The loss includes damage to the contents of the property. Such loss shall not exceed the cost of repair and replacement on a like kind and quality basis. Loss only includes direct loss caused by the fire, including salvage, but not indirect loss due to "use and occupancy" or business interruption. The amount is in dollars; an estimate has been recorded if not available.

**Values:**

- **$XXX,XXX,XXX**  Value of contents in dollars
- **Blank**  Data element not available in jurisdictional system/not reported

<table>
<thead>
<tr>
<th>Data element:</th>
<th>DOLLAR LOSS – TOTAL PROPERTY AND CONTENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Label:</td>
<td>DOLLOSC</td>
</tr>
<tr>
<td>Record:</td>
<td>Incident</td>
</tr>
<tr>
<td>Format:</td>
<td>Numeric</td>
</tr>
</tbody>
</table>

**Description:**
Loss has been recorded as the estimate of the damage caused by the fire. The total loss includes damage to property and contents. Such loss shall not exceed the cost of repair and replacement on a like kind and quality basis. Loss only includes direct loss caused by the fire, including salvage, but not indirect loss due to "use and occupancy" or business interruption. The amount is in dollars; an estimate has been recorded if not available.

**Values:**

- **$XXX,XXX,XXX**  Total property loss in dollars
- **Blank**  Data element not available in jurisdictional system/not reported
SECTION H

DISCOVERY OF FIRE AND ACTIONS TAKEN
H. DISCOVERY OF FIRE AND ACTIONS TAKEN

Data element: INITIAL DETECTION
Label: DETECT
Record: Incident
Format: Alphanumeric 2

Description:
Initial Detection refers to the means by which the fire incident was first detected and should be coded according to the classifications listed below. If the method of initial detection is known but is not included in the classifications listed below, it has been coded under 9.

Codes:

01 Smoke alarm device
02 Smoke detector device
03 Heat alarm device
04 Heat detector device
05 Automatic sprinkler system
06 Automatic system other than sprinkler
07 Visual sighting or other means of personal detection
08 No initial detection (burned out before detection)
11 Specialty detector (includes flame, beam line
09 Initial detection – unclassified
88 Not applicable (e.g. vehicle, outdoor, person)
00 Initial detection - unknown

Blank Data element not available in jurisdictional system
Data element: TRANSMISSION OF ALARM TO FIRE DEPARTMENT  
Label: TRANSALM  
Record: Incident  
Format: Alphanumeric 2

Description:
Transmission of Alarm to Fire Department is the means by which the fire department was first notified, and is coded according to one of the classifications listed below. If the method of transmission of the alarm to the fire department is known but is not included in the classifications listed below, it has been coded under 9. If the fire department was not notified or if there was such a delay that the fire department was unable to effectively combat the fire, it has been coded under 6.

Codes:

00 Telephone direct to the fire department (includes fire department operating their own 911 dispatch facility (the reporting person direct dials the fire alarm centre)

01 Coded signal municipal fire alarm system (included are telegraph or telephone systems, radio systems, and auxiliary connection to them)

02 Private fire alarm system (included are signals received from central stations and remote stations)

04 Radio

05 Direct verbal report to a fire station

06 No alarm received (includes alarms when delayed appreciably resulting in late or no response)

07 Telephone tie-line to fire department - the reporting person direct dials another emergency agency (included are all calls received over a direct telephone tie-line from another emergency call centre or facility tied directly to the fire department, calls forwarded to fire department by outside 911 dispatch facility or central alarm and monitoring facility)

08 Siren, horn, or other alerting device

10 911

88 Not applicable (e.g. person)

09 Transmission of alarm to fire department - unclassified

00 Transmission of Alarm to Fire Department - unknown

Blank Data element not available in jurisdictional system
# Section H – Discovery of Fire and Actions Taken

**Data element:** ACTION TAKEN  
**Label:** ACTION  
**Record:** Incident  
**Format:** Alphanumeric 1  

**Description:**  
Action Taken refers to the action taken to combat the fire and is coded according to one of the classifications listed below.  

**Codes:**  
- **1**  
  Extinguished by occupant  
- **2**  
  Burned out - no extinguishment attempted  
- **3**  
  Extinguished by fire department  
- **4**  
  Extinguished by automatic system  
- **5**  
  Minor fire - no action taken (i.e. exposure damage, blistering)  
- **6**  
  Shut off gas, oil, electricity  
- **8**  
  Not applicable  
- **9**  
  Action taken – unclassified  
- **0**  
  Action taken - unknown  

**Blank**  
Data element not available in jurisdictional system

---

**Data element:** PERFORMANCE OF AUTOMATIC EXTINGUISHING EQUIPMENT  
**Label:** PERFORM  
**Record:** Incident  
**Format:** Alphanumeric 1  

**Description:**  
Performance of Automatic Extinguishing Equipment refers to whether the automatic extinguishing equipment operated in the room or area of origin of the fire, and is classified according to one of the classifications listed below. If there is no automatic extinguishing equipment present in the room or area of origin of the fire, it has been coded under 8.  

**Codes:**  
- **1**  
  Equipment operated  
- **2**  
  Equipment should have operated but did not  
- **3**  
  Equipment present but fire too small to require operation  
- **5**  
  Equipment did not operate - unclassified  
- **7**  
  Equipment did not operate – reason unknown  
- **8**  
  No equipment present in room or area of origin of fire  
- **9**  
  Performance of automatic extinguishing equipment - unclassified  
- **0**  
  Performance of automatic extinguishing equipment - unknown  

**Blank**  
Data element not available in jurisdictional system
Section H – Discovery of Fire and Actions Taken

Data element: METHOD OF FIRE CONTROL AND EXTINGUISHMENT
Label: CONTMETH

Record: Incident
Format: Alphanumeric 2

Description:
Method of Fire Control and Extinguishment refers to the method whereby the fire was controlled and extinguished and has been coded according to one of the classifications listed below. If this involves several methods, only the method which essentially controlled or extinguished the fire has been coded.

Codes:

HAND HELD EXTINGUISHER

11 Water pump tank
12 Water pressurized
13 Wet chemical
14 Foam
15 Vapourizing liquid/halon
16 Carbon dioxide
17 Dry chemical
18 Multi-purpose dry chemical
19 Hand fire extinguisher - unclassified

STANDPIPE AND HOSE SYSTEMS (Building Systems)

21 Small hose - 38mm nominal size, straight stream nozzle
22 Small hose - 38mm nominal size, combination nozzle
23 Large hose - 65mm nominal size, straight stream nozzle
24 Large hose - 65mm nominal size, combination nozzle
25 Continuous flow hose - less than 38mm, straight stream nozzle
26 Continuous flow hose - less than 38mm, combination nozzle
29 Standpipe System - unclassified

"MAKESHIFT" FIRE FIGHTING AIDS

31 Garden hose
32 Water bucket
33 Small water container
34 Sand bucket
35 Dry chemical and scoop
36 Baking soda
37 Smothering by covering
38 Snow
39 "Makeshift" fire fighting aid - unclassified

FIRE DEPARTMENT - WATER

41 Booster hose - 25mm or less
42 38mm/42mm hose - 1 hoseline
Section H – Discovery of Fire and Actions Taken

43  38mm/42mm hose - 2 or more hoselines
44  65mm/77mm hose - 1 hose line
45  65mm/77mm hose - 2 or more hoselines
46  77mm or larger – 1 or more hoselines
47  Combinations of 38/42mm, 65mm, 77mm or larger hoselines
48  Portable/fixed water deluge/master stream set
49  Fire department - water - unclassified

FIRE DEPARTMENT - OTHER THAN WATER

51  Crash-fire foam vehicle - using monitor
52  Crash-fire foam vehicle - using handlines
53  Pumper - foam handlines only, via eductor/injector
54  Vehicle, combination foam-dry chemical
55  Vehicle, dry chemical - under 450Kg
56  Vehicle, dry chemical - 450Kg & over
57  Compressed air foam systems
59  Fire department - other than water - unclassified

SPRINKLER SYSTEM

61  Wet pipe system (includes central station supervised, standard watchman service, or alarm connection to fire department)
62  Wet pipe system - local alarm only
63  Dry pipe system (includes central station supervised, standard watchman service, or alarm connection to fire department)
64  Dry pipe system - local alarm only
65  Pre-action system (includes central station supervised, standard watchman service, or alarm connection to fire department)
66  Pre-action system - local alarm only
67  Deluge system (includes central station supervised, standard watchman service, or alarm connection to fire department)
68  Deluge system - local alarm only
69  Sprinkler system - unclassified

FIXED SYSTEM OTHER THAN SPRINKLERS

71  Carbon dioxide system
72  Dry chemical system
73  Halon system
74  Conventional (protein) foam system
75  High expansion foam system
76  Foam-water system
77  Water spray system
78  Wet chemical system
79  Fixed system other than sprinklers - unclassified

BURNED OUT

81  Completely burned out before arrival of fire department
82  Incapable of control by fire department on arrival
83  Burned out, no extinguishment - outside fire protection area
Section H – Discovery of Fire and Actions Taken

84 Burned out, self-extinguished - fire department not called
89 Burned out - unclassified

METHOD OF FIRE CONTROL & EXTINGUISHMENT – MISCELLANEOUS

91 Portable high expansion foam generator
92 Carbon dioxide handhose system – 25 kg or more
93 Dry chemical system - handhose system, 25 kg or more
94 Dry powder – scoop or extinguisher (Class D)
95 Removal/shut off fuel
99 Method of fire control and extinguishment - unclassified
00 Method of fire control and extinguishment - unknown

Blank Data element not available in jurisdictional system

Data element: METHOD OF FIRE CONTROL AND EXTINGUISHMENT GROUP
Label: METHDGRP

Record: Incident
Format: Alphanumeric 3

Description: The Method of Fire Control and Extinguishment Group is based on the value reported under the Method of Fire Control and Extinguishment (CONTMETH) variable. It classifies the specific method whereby the fire was controlled and extinguished into broader, but common categories.

Codes:

100 Handheld extinguisher
200 Standpipe & hose systems (building)
300 Makeshift firefighting aids
400 Fire department - water
500 Fire department – other than water
600 Sprinkler system
700 Fixed system other than sprinklers
800 Burned out
900 Miscellaneous
000 Unknown, undetermined, not applicable, not available
**Data element:** PERFORMANCE OF SMOKE ALARM DEVICE  
**Label:** SADPERF  
**Record:** Incident  
**Format:** Alphanumeric 2

<table>
<thead>
<tr>
<th></th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>00</td>
<td>No smoke alarm</td>
</tr>
<tr>
<td>01</td>
<td>Alarm in room of origin - activated</td>
</tr>
<tr>
<td>02</td>
<td>Alarm not in room of origin - activated</td>
</tr>
<tr>
<td>03</td>
<td>Alarm in room of origin – not activated – non-suitable location</td>
</tr>
<tr>
<td>04</td>
<td>Alarm in room of origin – not activated – battery dead</td>
</tr>
<tr>
<td>05</td>
<td>Alarm in room of origin – not activated – no battery</td>
</tr>
<tr>
<td>06</td>
<td>Alarm in room of origin – not activated – AC not connected/disabled</td>
</tr>
<tr>
<td>07</td>
<td>Alarm in room of origin – not activated – mechanical failure</td>
</tr>
<tr>
<td>08</td>
<td>Alarm not in room of origin – not activated – battery dead</td>
</tr>
<tr>
<td>09</td>
<td>Alarm not in room of origin – not activated – no battery</td>
</tr>
<tr>
<td>10</td>
<td>Alarm not in room of origin – not activated – AC not connected/disabled</td>
</tr>
<tr>
<td>11</td>
<td>Alarm not in room of origin – not activated – mechanical failure</td>
</tr>
<tr>
<td>12</td>
<td>Not enough smoke to activate smoke alarm</td>
</tr>
<tr>
<td>50</td>
<td>Alarm location unknown – activated</td>
</tr>
<tr>
<td>51</td>
<td>Alarm location unknown – not activated – non-suitable location</td>
</tr>
<tr>
<td>52</td>
<td>Alarm location unknown – not activated – no battery or battery dead</td>
</tr>
<tr>
<td>53</td>
<td>Alarm location unknown – not activated – AC not connected/disabled</td>
</tr>
<tr>
<td>54</td>
<td>Alarm location unknown – not activated – mechanical failure</td>
</tr>
<tr>
<td>55</td>
<td>Alarm location unknown – not activated – reason unknown</td>
</tr>
<tr>
<td>70</td>
<td>Alarm in room of origin – not activated – other reason</td>
</tr>
<tr>
<td>71</td>
<td>Alarm in room of origin – not activated – reason unknown</td>
</tr>
<tr>
<td>80</td>
<td>Alarm not in room of origin – not activated – other reason</td>
</tr>
<tr>
<td>88</td>
<td>Not applicable</td>
</tr>
<tr>
<td>99</td>
<td>Smoke alarm activation - unknown</td>
</tr>
</tbody>
</table>

**Blank**  
Data element not available in jurisdictional system
### Data element: IMPACT OF SMOKE ALARM ACTIVATION ON OCCUPANT RESPONSE/EVACUATION

**Label:** IMPACT  
**Record:** Incident  
**Format:** Alphanumeric 2

#### Codes:

- **00**: Not applicable/no occupants/alarm did not activate  
- **01**: Occupants evacuated safely  
- **02**: Occupants did not evacuate – alarm inaudible  
- **03**: Occupants did not evacuate – physically/mentally challenged  
- **04**: Occupants did not evacuate – age related (infants/aged)  
- **05**: Occupants did not evacuate – unnecessary to evacuate  
- **06**: Occupants did not evacuate – suspected influence of drugs/alcohol  
- **07**: Occupants did not evacuate – unable to respond (reason unknown)  
- **08**: Some (not all) occupants evacuated safely  
- **99**: Occupant response/evacuation - unknown

Blank  Data element not available in jurisdictional system

### Data element: OCCUPANTS IN DWELLING UNIT AT TIME OF FIRE – SENIOR CITIZENS

**Label:** OCCPNTSA  
**Record:** Incident  
**Format:** Numeric

#### Values:

- **XX**: Number of senior citizens (65 year and older)

Blank  Data element not available in jurisdictional system/unknown

### Data element: OCCUPANTS IN DWELLING UNIT AT TIME OF FIRE - ADULTS

**Label:** OCCPNTSB  
**Record:** Incident  
**Format:** Numeric

#### Values:

- **XX**: Number of adults (18 – 64 years)

Blank  Data element not available in jurisdictional system
### Data element: OCCUPANTS IN DWELLING UNIT AT TIME OF FIRE - YOUTH OCCPNTSC

**Label:**

**Record:** Incident  
**Format:** Numeric

**Values:**

| XX | Number of youth (12 – 17 years) | Blank | Data element not available in jurisdictional system/unknown |

### Data element: OCCUPANTS IN DWELLING UNIT AT TIME OF FIRE - CHILDREN OCCPNTSD

**Label:**

**Record:** Incident  
**Format:** Numeric

**Values:**

| XX | Number of children (11 and under) | Blank | Data element not available in jurisdictional system/unknown |
SECTION J

FIRE CASUALTIES
J. FIRE CASUALTIES

Where fires result in human deaths or injuries, the additional information below is required for each fire death or injury.

<table>
<thead>
<tr>
<th>Data element:</th>
<th>AGE OF VICTIM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Label:</td>
<td>VICAGE</td>
</tr>
<tr>
<td>Record:</td>
<td>Victim</td>
</tr>
<tr>
<td>Format:</td>
<td>Numeric</td>
</tr>
</tbody>
</table>

**Description:**
Actual age of the victim in years. If exact age was not known, estimates may have been provided.

**Values:**
- XXX Actual age
- Blank Data element not available in jurisdictional system/unknown

<table>
<thead>
<tr>
<th>Data element:</th>
<th>SEX OF VICTIM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Label:</td>
<td>VICSEX</td>
</tr>
<tr>
<td>Record:</td>
<td>Victim</td>
</tr>
<tr>
<td>Format:</td>
<td>Alphanumeric 1</td>
</tr>
</tbody>
</table>

**Codes:**
- 1 Male
- 2 Female
- 3 Unknown

Blank Data element not available in jurisdictional system
### Data element: STATUS OF VICTIM
**Label:** VICSTAT

**Record:** Victim

**Format:** Alphanumeric 1

**Codes:**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Firefighter</td>
</tr>
<tr>
<td>2</td>
<td>Civilian</td>
</tr>
<tr>
<td>3</td>
<td>Civilian – occupant</td>
</tr>
<tr>
<td>4</td>
<td>Civilian – non-occupant (bystander, passerby)</td>
</tr>
<tr>
<td>5</td>
<td>Fire/Police/RCMP</td>
</tr>
<tr>
<td>6</td>
<td>Other</td>
</tr>
<tr>
<td>9</td>
<td>Unknown/undetermined</td>
</tr>
</tbody>
</table>

Blank  Data element not available in jurisdictional system

### Data element: FIREFIGHTER STATUS
**Label:** FFSTATUS

**Record:** Victim

**Format:** Alphanumeric 1

**Codes:**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Full time</td>
</tr>
<tr>
<td>2</td>
<td>Volunteer (part time)</td>
</tr>
<tr>
<td>3</td>
<td>Volunteer</td>
</tr>
<tr>
<td>8</td>
<td>Not applicable (civilian)</td>
</tr>
<tr>
<td>9</td>
<td>Unknown/not stated</td>
</tr>
</tbody>
</table>

Blank  Data element not available in jurisdictional system/unknown/not applicable

### Data element: FIRE FIGHTING YEARS OF EXPERIENCE
**Label:** FFYEARS

**Record:** Victim

**Format:** Numeric

**Values:**

XX  Actual years

Blank  Data element not available in jurisdictional system/unknown/not applicable
### Data element: HEIGHT OF FIREFIGHTER
**Label:** FFHEIGHT
**Record:** Victim
**Format:** Numeric

**Values:**

<table>
<thead>
<tr>
<th>Value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>XXX</td>
<td>Height in centimetres</td>
</tr>
<tr>
<td>Blank</td>
<td>Data element not available in jurisdictional system/unknown/not applicable</td>
</tr>
</tbody>
</table>

### Data element: WEIGHT OF FIREFIGHTER
**Label:** FFWEIGHT
**Record:** Victim
**Format:** Numeric

**Values:**

<table>
<thead>
<tr>
<th>Value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>XXX</td>
<td>Weight in kilograms</td>
</tr>
<tr>
<td>Blank</td>
<td>Data element not available in jurisdictional system/unknown/not applicable</td>
</tr>
</tbody>
</table>

### Data element: FIREFIGHTER – HELMET WORN AT TIME OF INJURY
**Label:** FFHELMET
**Record:** Victim
**Format:** Alphanumeric 1

**Codes:**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Yes, helmet worn</td>
</tr>
<tr>
<td>2</td>
<td>No, helmet not worn</td>
</tr>
<tr>
<td>8</td>
<td>Not applicable (civilian)</td>
</tr>
<tr>
<td>9</td>
<td>Unknown</td>
</tr>
<tr>
<td>Blank</td>
<td>Data element not available in jurisdictional system</td>
</tr>
</tbody>
</table>

---

106
Data element: **FIREFIGHTER – HELMET LINE USED AT TIME OF INJURY**
Label: FFHLINE

Record: Victim
Format: Alphanumeric 1

Codes:

1  Yes, helmet line used
2  No, helmet line not used
8  Not applicable (civilian)
9  Unknown

Blank  Data element not available in jurisdictional system

Data element: **FIREFIGHTER – FACE SHIELD USED AT TIME OF INJURY**
Label: FFSHIELD

Record: Victim
Format: Alphanumeric 1

Codes:

1  Yes, face shield used
2  No, face shield not used
8  Not applicable (civilian)
9  Unknown

Blank  Data element not available in jurisdictional system

Data element: **FIREFIGHTER – OTHER EYE PROTECTION USED AT TIME OF INJURY**
Label: FFOTHEYE

Record: Victim
Format: Alphanumeric 1

Codes:

1  Yes, other eye protection used
2  No, eye protection not used
8  Not applicable (civilian)
9  Unknown

Blank  Data element not available in jurisdictional system
<table>
<thead>
<tr>
<th>Data element:</th>
<th>FIREFIGHTER – COAT (TURNOUT) WORN AT TIME OF INJURY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Label:</td>
<td>FFCOAT</td>
</tr>
<tr>
<td>Record:</td>
<td>Victim</td>
</tr>
<tr>
<td>Format:</td>
<td>Alphanumeric 1</td>
</tr>
</tbody>
</table>

**Codes:**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Yes, coat (turnout) worn</td>
</tr>
<tr>
<td>2</td>
<td>No, coat (turnout) not worn</td>
</tr>
<tr>
<td>8</td>
<td>Not applicable (civilian)</td>
</tr>
<tr>
<td>9</td>
<td>Unknown</td>
</tr>
<tr>
<td></td>
<td>Blank</td>
</tr>
</tbody>
</table>

Data element not available in jurisdictional system

<table>
<thead>
<tr>
<th>Data element:</th>
<th>FIREFIGHTER – GLOVES WORN AT TIME OF INJURY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Label:</td>
<td>FFGLOVES</td>
</tr>
<tr>
<td>Record:</td>
<td>Victim</td>
</tr>
<tr>
<td>Format:</td>
<td>Alphanumeric 1</td>
</tr>
</tbody>
</table>

**Codes:**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Yes, gloves worn</td>
</tr>
<tr>
<td>2</td>
<td>No, gloves not worn</td>
</tr>
<tr>
<td>8</td>
<td>Not applicable (civilian)</td>
</tr>
<tr>
<td>9</td>
<td>Unknown</td>
</tr>
<tr>
<td></td>
<td>Blank</td>
</tr>
</tbody>
</table>

Data element not available in jurisdictional system

<table>
<thead>
<tr>
<th>Data element:</th>
<th>FIREFIGHTER – BOOTS WORN AT TIME OF INJURY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Label:</td>
<td>FFBFOOTS</td>
</tr>
<tr>
<td>Record:</td>
<td>Victim</td>
</tr>
<tr>
<td>Format:</td>
<td>Alphanumeric 1</td>
</tr>
</tbody>
</table>

**Codes:**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Yes, boots worn</td>
</tr>
<tr>
<td>2</td>
<td>No, boots not worn</td>
</tr>
<tr>
<td>8</td>
<td>Not applicable (civilian)</td>
</tr>
<tr>
<td>9</td>
<td>Unknown</td>
</tr>
<tr>
<td></td>
<td>Blank</td>
</tr>
</tbody>
</table>

Data element not available in jurisdictional system
Section J – Fire Casualties

Data element: FIREFIGHTER – HOSE KEY BELT WORN AT TIME OF INJURY
Label: FFHKBELT
Record: Victim
Format: Alphanumeric 1

Codes:

1 Yes, hose key belt worn
2 No, hose key belt not worn
8 Not applicable (civilian)
9 Unknown

Blank Data element not available in jurisdictional system

Data element: FIREFIGHTER – BREATHING APPARATUS USED AT TIME OF INJURY
Label: FFBRAPP
Record: Victim
Format: Alphanumeric 1

Codes:

1 Yes, breathing apparatus used
2 No, breathing apparatus not worn
8 Not applicable (civilian)
9 Unknown

Blank Data element not available in jurisdictional system

Data element: FIREFIGHTER – BUNKER SUIT
Label: FFBUNKER
Record: Victim
Format: Alphanumeric 1

Codes:

1 Yes, bunker suit worn
2 No, bunker suit not worn
8 Not applicable (civilian)
9 Unknown

Blank Data element not available in jurisdictional system
### Section J – Fire Casualties

**Data element:**  FIREFIGHTER – PROTECTIVE HOOD WORN AT TIME OF INJURY  
**Label:**  FFPRHOOD  
**Record:**  Victim  
**Format:**  Alphanumeric 1  
**Codes:**  
1. Yes, protective hood worn  
2. No, protective hood not worn  
8. Not applicable (civilian)  
9. Unknown  
Blank  Data element not available in jurisdictional system

**Data element:**  NATURE OF CASUALTIES  
**Label:**  NATCAS  
**Record:**  Victim  
**Format:**  Alphanumeric 1  
**Codes:**  
1. Death  
2. Minor injury (less than 1 day hospital or off work)  
3. Light injury (hospitalized 1-2 days and/or off work 1-15 days)  
4. Serious injury (hospitalized 3+ days and/or off work 16+ days)  
5. Injury, seriousness unknown  
9. Unknown/undetermined/other  
Blank  Data element not available in jurisdictional system

**Data element:**  PROBABLE/POSSIBLE CAUSE  
**Label:**  CAUSE  
**Record:**  Victim  
**Format:**  Alphanumeric 1  
**Codes:**  
1. Smoke inhalation  
2. Burn  
3. Physical injury  
4. Other  
9. Unknown  
Blank  Data element not available in jurisdictional system
Section J – Fire Casualties

Data element: TYPE OF INJURY
Label: INJURTPY

Record: Victim
Format: Alphanumeric 2

Codes:

01 Head, neck, spine injury
02 Wounds – incised, lacerated, puncture, etc.
03 Heart attack or stroke
04 Bone injury or fracture
05 Burns or scalds
06 Asphyxia/respiratory condition
07 Injury to muscle, ligaments or joints
08 Eye injury
09 Traumatic shock
10 Heat illness, cold exposure or fatigue
11 Minor cuts or bruises
12 Unknown or unclassified

Blank  Data element not available in jurisdictional system

Data element: CLASS OF VICTIM
Label: CLASSVIC

Record: Victim
Format: Alphanumeric 1

Codes:

1  Senior citizens (65 years of age and older)
2  Adults (18 – 64 years)
3  Youth (12 to 17 years of age)
4  Children (11 years and under)
9  Unknown

Blank  Data element not available in jurisdictional system
Section J – Fire Casualties

Data element: CONDITION OF CASUALTY
Label: CONDCAS
Record: Victim
Format: Alphanumeric 2

Description:
Represents the one most appropriate condition which contributed to the casualty.

Codes:

05  Hearing impaired
06  Visually impaired
11  Asleep at time of fire
12  Bedridden or other physical handicap
13  Impairment by alcohol, drugs or medication
14  Awake and no physical or mental impairment at the time of fire
15  Under restraint or detention
16  Too young to react to fire emergency
17  Mental handicap - includes senility
18  Child left unattended
20  Non-occupant (bystander, passerby)
19  Condition of casualty - unclassified
10  Condition of casualty - unknown

Blank  Data element not available in jurisdictional system

Data element: ACTION OF CASUALTY
Label: ACTCAS
Record: Victim
Format: Alphanumeric 2

Codes:

07  Civilian attempted suppression
08  Fire setter
21  Injured while attempting to escape
22  Over-exertion, heart attack
23  Entered or remained for rescue purposes
24  Entered or remained for fire fighting/extinguishment
25  Entered or remained to save personal property
26  Loss of judgement or panic
27  Received delayed warning
28  Did not act
29  Action of casualty - unclassified
20  Action of casualty - unknown

Blank  Data element not available in jurisdictional system
Section J – Fire Casualties

Data element: CAUSE OF FAILURE TO ESCAPE
Label: CAUSFAIL

Record: Victim
Format: Alphanumeric 2

Codes:

51 Trapped by rapid spreading of fire/smoke - through vertical openings, stairways, elevators
52 Trapped by rapid spreading of fire/smoke – through horizontal openings
53 High flame spread of combustible interior finish
54 Building collapse
55 Falling debris
56 Explosion
57 Exit blocked, locked, or obstructed
58 Outdoor fire - includes forest/brush fires
60 Fell, slipped or tripped
61 Exposed to fire products
62 Trapped (or caught) – type of openings unknown
63 Exposed to hazardous materials or toxic fumes
64 Exposure to hazard, type unknown
65 Age and/or other physical limitation
70 Multiple causes
80 Not applicable – escaped
81 Not applicable – suicide
59 Cause of failure to escape - unclassified
50 Cause of failure to escape – unknown

Blank Data element not available in jurisdictional system
Section J – Fire Casualties

Data element: IGNITION OF CLOTHING OR OTHER FABRICS
Label: IGNITVIC

Record: Victim
Format: Alphanumeric 2

Note: If casualty asphyxiated, code 30, "not applicable" has been used.

Codes:

31 Outer clothing
32 Sleepwear
33 Underclothing
34 Costume
35 Bedding or bed linen (includes pillow)
36 Mattress
37 Upholstered furniture
38 Rugs
39 Ignition of clothing or other fabrics - unclassified
30 Ignition of clothing or other fabrics - not applicable
09 Unknown

Blank  Data element not available in jurisdictional system

Data element: TYPE OF FABRIC OR MATERIAL IGNITED
Label: MATTYPE

Record: Victim
Format: Alphanumeric 2

Note: If casualty asphyxiated, code 40, "not applicable" has been used.

Codes:

41 Cotton
42 Wool
43 Other natural fibre
45 Other synthetic fibre
46 Mixture of fibres
47 Rubber
48 Plastics or plastic foam
49 Type of fabric or material ignited - unclassified
40 Type of fabric or material ignited - not applicable
09 Unknown

Blank  Data element not available in jurisdictional system
SECTION K

OTHER SOCIAL DOMAIN DATA
K. OTHER SOCIAL DOMAIN DATA

In addition to data collected by Fire Commissioners and Fire Marshals Offices, the NFID hosts other social domain data produced by Statistics Canada, to assist new relevant, evidence-based research related to fire, public safety, and security.

Notes concerning the use of the other social domain in the NFID

The “Other Social Domain” data in the NFID are presented at the census subdivision (CSD) and census metropolitan/census agglomeration (CMA/CA) levels where: (i) the geography information provided by the Fire Commissioners and Fire Marshals offices was of sufficient quality to map to a CSD classification; and (ii) data are available for the data element at the CSD level (data may be suppressed for certain geographies due to data quality issues or for reasons of possible disclosure of an individual).

In an attempt to account for any possible gaps, data (where available) have been provided from both the 2006 Census and 2011 National Household Survey.

Crime data from the Uniform Crime Reporting Survey should be interpreted with caution. Please refer to the notes for each of these variables (Crime Rate, Property Crime Rate, Violent Crime Rate, Crime Severity Index and UCR Data Quality Flag).

Naming convention of data elements

Data elements from the 2006 Census and 2011 National Household Survey have extensions following their label. For example, the label for the “PERCENT OF LONE PARENT HOUSEHOLDS” data element is LONEPAR. In the NFID, there are 4 data elements related to lone parent households, based on the level of geography and Census year.

Where LONEPAR_CMA6, _CMA6 refers to 2006 data at the CMA/CA level; 
LONEPAR_CSD6, _CSD6 refers to 2006 data at the CSD level; 
LONEPAR_CMA11, _CMA11 refers to 2011 data at the CMA/CA level; 
LONEPAR_CSD11, _CSD11 refers to 2011 data at the CSD level
### Data element: CENSUS SUBDIVISION CODE
**Label:** CSD
**Record:** Incident
**Format:** Alphanumeric

**Description:**
Census subdivision (CSD) is the general term for municipalities (as determined by provincial/territorial legislation) or areas treated as municipal equivalents for statistical purposes (e.g., Indian reserves, Indian settlements and unorganized territories).

**Source:**
2011 Census, Statistics Canada

---

### Data element: CENSUS SUBDIVISION DESCRIPTION
**Label:** CSD_NAME
**Record:** Incident
**Format:** Alphanumeric

**Description:**
This field provides the description/name associated with the CSD code. Census subdivision (CSD) is the general term for municipalities (as determined by provincial/territorial legislation) or areas treated as municipal equivalents for statistical purposes (e.g., Indian reserves, Indian settlements and unorganized territories).

**Source:**
2011 Census, Statistics Canada

---

### Data element: CENSUS METROPOLITAN AREA/CENSUS AGGLOMERATION, 2011
**Label:** CMACA
**Record:** Incident
**Format:** Alphanumeric

**Description:**
A census metropolitan area (CMA) or a census agglomeration (CA) is formed by one or more adjacent municipalities centred on a population centre (known as the core). A CMA must have a total population of at least 100,000 of which 50,000 or more must live in the core. A CA must have a core population of at least 10,000. To be included in the CMA or CA, other adjacent municipalities must have a high degree of integration with the core, as measured by commuting flows derived from previous census place of work data.

If the population of the core of a CA declines below 10,000, the CA is retired. However, once an area becomes a CMA, it is retained as a CMA even if its total population declines below 100,000 or the population of its core falls below 50,000. Small population centres with a population count of less than 10,000 are called fringe. All areas inside the CMA or CA that are not population centres are rural areas.

**Source:**
2011 Census, Statistics Canada

**Data element:** CENSUS METROPOLITAN AREA/CENSUS AGGLOMERATION NAME, 2011
**Label:** CMACA_NAME
**Record:** Incident
**Format:** Alphanumeric

**Description:**
This field provides the description/name associated with the CSD code. A census metropolitan area (CMA) or a census agglomeration (CA) is formed by one or more adjacent municipalities centred on a population centre (known as the core). A CMA must have a total population of at least 100,000 of which 50,000 or more must live in the core. A CA must have a core population of at least 10,000. To be included in the CMA or CA, other adjacent municipalities must have a high degree of integration with the core, as measured by commuting flows derived from previous census place of work data.

If the population of the core of a CA declines below 10,000, the CA is retired. However, once an area becomes a CMA, it is retained as a CMA even if its total population declines below 100,000 or the population of its core falls below 50,000. Small population centres with a population count of less than 10,000 are called fringe. All areas inside the CMA or CA that are not population centres are rural areas.

**Source:**
2011 Census, Statistics Canada

---

**Data element:** PRIVATE SINGLE DETACHED DWELLINGS
**Label:** PSDDWELL_CMA, PSDDWELL_CMA11
**Record:** Incident
**Format:** Numeric

**Description:**
A private single dwelling is not attached to any other dwelling or structure (except its own garage or shed). A single-detached house has open space on all sides, and has no dwellings either above it or below it. A mobile home fixed permanently to a foundation is also classified as a single-detached house.

This field represents the percentage (%) of dwellings in the selected geography that are single detached dwellings.

**Values:**

<table>
<thead>
<tr>
<th>Value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>XX.X</td>
<td>Percentage of dwellings that are single detached dwellings</td>
</tr>
<tr>
<td>Blank</td>
<td>Not available</td>
</tr>
</tbody>
</table>

**Source:**
2006 Census, 2011 National Household Survey, Statistics Canada
**Data element:** PERCENT OF POPULATION AGED 65 AND OLDER (by year of fire incident)

**Label:** ELDERPPOP_CMA, ELDERPPOP_CSD

**Record:** Incident

**Format:** Numeric

**Description:** Percentage of the population for persons aged 65 years and older, as at July 1\(^{st}\), for the year of fire incident.

**Values:**

- XX.X Percentage of persons in selected geography aged 65 and older
- Blank Not available

**Source:**
Demography Division, Annual Demographic Estimates, Statistics Canada

---

**Data element:** PERCENT OF POPULATION AGED 5 AND YOUNGER (by year of fire incident)

**Label:** YOUNGPPOP_CMA, YOUNGPPOP_CSD

**Record:** Incident

**Format:** Numeric

**Description:** Percentage of the population for persons aged 5 years and younger, as at July 1\(^{st}\), for the year of fire incident.

**Values:**

- XX.X Percentage of persons in selected geography aged 5 and younger
- Blank Not available

**Source:**
Demography Division, Annual Demographic Estimates, Statistics Canada
### Data element: PERCENT OF LONE PARENT HOUSEHOLDS

**Label:** LONEPAR_CMA6, LONEPAR_CMA11, LONEPAR_CSD6, LONEPAR_CSD11

**Record:** Incident

**Format:** Numeric

**Values:**

<table>
<thead>
<tr>
<th>Value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>XXX</td>
<td>Percentage of family dwellings in selected geography that are single parent families.</td>
</tr>
<tr>
<td>Blank</td>
<td>Not available</td>
</tr>
</tbody>
</table>

**Source:**
2006 Census, 2011 National Household Survey, Statistics Canada

---

### Data element: AVERAGE NUMBER OF PERSONS IN PRIVATE HOUSEHOLDS

**Label:** AVNUMPER_CMA6, AVNUMPER_CMA11, AVNUMPER_CSD6, AVNUMPER_CSD11

**Record:** Incident

**Format:** Numeric

**Values:**

<table>
<thead>
<tr>
<th>Value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>X.X</td>
<td>Average number of persons in private households, by selected geography.</td>
</tr>
<tr>
<td>Blank</td>
<td>Not available</td>
</tr>
</tbody>
</table>

**Source:**
2006 Census, 2011 National Household Survey, Statistics Canada

---

### Data element: PERCENT OF HIGH RESIDENTIAL MOBILITY RESIDENTS – 1 YEAR

**Label:** MOVERS1_CMA6, MOVERS1_CMA11

**Record:** Incident

**Format:** Numeric

**Description:** This data element provides the percentage of frequent movers – persons who as of Census Day had resided at their current residence for less than a year. Data for this variable is only available at the CMA level.

**Values:**

<table>
<thead>
<tr>
<th>Value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>XX.X</td>
<td>Percentage of residents in selected geography that are high mobility residents.</td>
</tr>
<tr>
<td>Blank</td>
<td>Not available</td>
</tr>
</tbody>
</table>

**Source:**
2006 Census, 2011 National Household Survey, Statistics Canada
**Data element:** PERCENT OF HIGH RESIDENTIAL MOBILITY RESIDENTS – 5 YEARS
**Label:** MOVERS5_CMA6, MOVERS5_CMA11

**Record:** Incident
**Format:** Numeric

**Description:** This data element provides the percentage of frequent movers – persons who as of Census Day had resided at their current residence for less than 5 years. Data for this variable is only available at the CMA level.

**Values:**

- XXX Percentage of residents in selected geography that are high mobility residents
- Blank Not available

**Source:**
2006 Census, 2011 National Household Survey, Statistics Canada

---

**Data element:** MEDIAN AFTER-TAX INCOME, ALL CENSUS FAMILIES
**Label:** MEDINC_CMA6, MEDINC_CMA11
**Record:** Incident
**Format:** Numeric

**Values:**

- XXXX Median after-tax income in thousands of dollars, all census families, for selected geography

**Source:**
2006 Census, 2011 National Household Survey, Statistics Canada
Data element: EMPLOYMENT RATE
Label: EMPLOY_CMA6, EMPLOY_CMA11
EMPLOY_CSD6, EMPLOY_CSD11

Record: Incident
Format: Numeric

Description:
The employment rate is the number of employed people as a percentage of the population aged 15 and older.

Values:

XX.X Employment rate, expressed as percentage
Blank Not available

Source:
2006 Census, 2011 National Household Survey, Statistics Canada

Data element: UNEMPLOYMENT RATE
Label: UNEMPLOY_CMA6, UNEMPLOY_CMA11
UNEMPLOY_CSD6, UNEMPLOY_CSD11

Record: Incident
Format: Numeric

Description:
The unemployment rate is the number of unemployed as a percentage of the labour force (employed and unemployed).

Values:

XX.X Unemployment rate, expressed as percentage
Blank Not available

Source:
2006 Census, 2011 National Household Survey, Statistics Canada

Data element: LOWER EDUCATIONAL ATTAINMENT, PERCENT POPULATION AGED 25 AND OLDER WITH NO CERTIFICATE, DIPLOMA OR DEGREE
Label: LOWEDUC_CMA6, LOWEDUC_CMA11
LOWEDUC_CSD6, LOWEDUC_CSD11

Record: Incident
Format: Numeric

Description:
This data element provides the percentage of the population aged 25 years and older who do not have a certificate, diploma or degree. The following are included in the definitions of certificate, diploma and degree: high school certificate or equivalent, apprenticeship or trades certificate or diploma, college, CEGEP or other non-university certificate or diploma,
university certificate or diploma below the bachelor level, university certificate, diploma or degree.

Values:

XX.X  Percentage population aged 25 years and older without a certificate, diploma or degree
Blank   Not available

Source:
2006 Census, 2011 National Household Survey, Statistics Canada

Data element: CRIME RATE, per 100,000 population, by year of fire incident
Label: CRIMRATE_CMA, CRIMRATE_CSD
Record: Incident
Format: Numeric

Description:
The traditional crime rate as reported by the Uniform Crime Reporting (UCR) Survey has been used to measure crime in Canada since 1962, and is generally expressed as a rate per 100,000 population. The crime rate is calculated by summing all Criminal Code incidents reported by the police and dividing by the population. The crime rate excludes Criminal Code traffic violations, as well as other federal statute violations such as drug offences.

The annual crime rates correspond to the year in which the fire incident occurred.

Notes:
Data from the UCR Survey are not available at the census agglomeration (CA) level. As such, the crime rates reported under CRIMRATE_CMA are for CMAs only.

Police-reported crime data are not publicly disseminated by census subdivision as a regular product. This is due to the fact that police service boundaries do not necessarily correspond with CSD boundaries. It should be noted that the crime rates presented are by police service, and for the purpose of the NFID, have been “mapped” as closely as possible to a corresponding CSD.

Caution should be used in interpreting the crime rate at the CSD level (CRIMRATE_CSD) for two reasons:

(i) There are instances where a distinct CSD is enforced by more than one police service. In these cases, the crime rate for the police service that had the highest percentage of enforcement area is provided. In the case of equal coverage, the crime rate for the police service with the greatest population is presented.

(ii) There are instances where police service boundaries fall under multiple CSDs. In these cases, the crime rate for the police service is reported for all CSDs (i.e., multiple CSDs will have the same crime rate information).

Note that the CSD_flag variable provides an indication where these issues occur.
Values:

XXXX  Crime rate (number of criminal incidents per 100,000 population)
Blank  Not available

Source:
Uniform Crime Reporting Survey, Statistics Canada

Data element:  PROPERTY CRIME RATE, per 100,000 population, by year of fire incident
Label:  PROPCRIM_CMA, PROPCRIM_CSD
Record:  Incident
Format:  Numeric

Description:
Property crimes, as defined by the Uniform Crime Reporting Survey, involve unlawful acts to gain property, but do not involve the use or threat of violence against the person. They include offences such as break and enter, theft, and mischief, among others.

The annual property crime rates correspond to the year in which the fire incident occurred.

Data from the UCR Survey are not available at the census agglomeration (CA) level. As such, the property crime rates reported under PROPCRIM_CMA are for CMAs only.

Notes:
Police-reported crime data are not publicly disseminated by census subdivision as a regular product. This is due to the fact that police service boundaries do not necessarily correspond with CSD boundaries. It should be noted that the property crime rates presented are by police service, and for the purpose of the NFID, have been “mapped” as closely as possible to a corresponding CSD.

Caution should be used in interpreting the property crime rate at the CSD level (PROPCRIM_CSD) for two reasons:

(i) There are instances where a distinct CSD is enforced by more than one police service. In these cases, the property crime rate for the police service that had the highest percentage of enforcement area is provided. In the case of equal coverage, the property crime rate for the police service with the greatest population is presented.

(ii) There are instances where police service boundaries fall under multiple CSDs. In these cases, the property crime rate for the police service is reported for all CSDs (i.e., multiple CSDs will have the same property crime rate information).

Note that the CSD_flag variable provides an indication where these issues occur.
Values:

XXXX  Property crime rate (number of property crime incidents per 100,000 population)
Blank  Not available

Source:
Uniform Crime Reporting Survey, Statistics Canada

Data element: VIOLENT CRIME RATE, per 100,000 population, by year of fire incident
Label: VIOLCRIM_CMA, VIOLCRIM_CSD
Record: Incident
Format: Numeric

Description:
Violent crimes, as defined by the Uniform Crime Reporting Survey, involve the use or threatened use of violence against a person, including homicide, attempted murder, assault, sexual assault, and robbery. Robbery is considered a violent offence because, unlike other theft offences, it involves the use or threat of violence.

The annual violent crime rates correspond to the year in which the fire incident occurred.

Notes:
Data from the UCR Survey are not available at the census agglomeration (CA) level. As such, the violent crime rates reported under VIOLCRIM_CMA are for CMAs only.

Police-reported crime data are not publicly disseminated by census subdivision as a regular product. This is due to the fact that police service boundaries do not necessarily correspond with CSD boundaries. It should be noted that the violent crime rates presented are by police service, and for the purpose of the NFID, have been "mapped" as closely as possible to a corresponding CSD.

Caution should be used in interpreting the violent crime rate at the CSD level (VIOLCRIM_CSD) for two reasons:

(i) There are instances where a distinct CSD is enforced by more than one police service. In these cases, the violent crime rate for the police service that had the highest percentage of enforcement area is provided. In the case of equal coverage, the violent crime rate for the police service with the greatest population is presented.

(ii) There are instances where police service boundaries fall under multiple CSDs. In these cases, the violent crime rate for the police service is reported for all CSDs (i.e., multiple CSDs will have the same violent crime rate information).

Note that the CSD_flag variable provides an indication where these issues occur.

Values:

XXXX  Violent crime rate (number of violent crime incidents per 100,000 population)
Blank  Not available
Section K – Other Social Domain Data

Source:
Uniform Crime Reporting Survey, Statistics Canada

Data element: CRIME SEVERITY INDEX, per 100,000 population, by year of fire incident
Label: UCRCSI_CMA, UCRCSI_CSD
Record: Incident
Format: Numeric

Description:
The Crime Severity Index (CSI) is calculated using Incident-based Uniform Crime Reporting Survey (UCR2) data. It was developed to address the limitation of the police-reported crime rate being driven by high-volume, relatively less serious offences. The CSI not only takes into account the volume of crime, but also the seriousness of crime. In order to calculate the police-reported CSI, each violation is assigned a weight. CSI weights are based on the violation’s incarceration rate, as well as the average length of prison sentence handed down by criminal courts. The more serious the average sentence, the higher the weight assigned to the offence, meaning that the more serious offences have a greater impact on the index. Unlike the traditional crime rate, all offences, including Criminal Code traffic violations and other federal statute violations such as drug offences, are included in the CSI.

To calculate the CSI, the weighted offences are summed and then divided by the population. Similar to other indexes (e.g., Consumer Price Index), to allow for ease of comparison, the CSI is then standardized to a base year of “100” (for the CSI, the base year is 2006). In other words, all CSI values are relative to the Canada-level CSI for 2006. CSI values are available back to 1998.

The annual CSI corresponds to the year in which the fire incident occurred.

Notes:
Data from the UCR Survey are not available at the census agglomeration (CA) level. As such, the CSI reported under UCRCSI_CMA are for CMAs only.

Police-reported crime data are not publicly disseminated by census subdivision as a regular product. This is due to the fact that police service boundaries do not necessarily correspond with CSD boundaries. It should be noted that the CSIs presented are by police service, and for the purpose of the NFID, have been “mapped” as closely as possible to a corresponding CSD.

Caution should be used in interpreting the CSI at the CSD level (UCRCRI_CSD) for two reasons:

(i) There are instances where a distinct CSD is enforced by more than one police service. In these cases, the CSI for the police service that had the highest percentage of enforcement area is provided. In the case of equal coverage, the CSI for the police service with the greatest population is presented.

(ii) There are instances where police service boundaries fall under multiple CSDs. In these cases, the CSI for the police service is reported for all CSDs (i.e., multiple CSDs will have the same CSI information).

Note that the CSD_flag variable provides an indication where these issues occur.
Values:

XX.XX Crime Severity Index
Blank   Not available

Source:
Uniform Crime Reporting Survey, Statistics Canada

Data element: UCR CSD DATA QUALITY FLAG
Label:       CSD_flag
Record:      Incident
Format:      Alphanumeric 1

Description:

Caution should be used in interpreting the crime rates, property crime rates, violent crime rates and the CSI at the CSD level for two reasons:

(i) There are instances where a distinct CSD is enforced by more than one police service. In these cases, the data for the police service that had the highest percentage of enforcement area is provided. In the case of equal coverage, the data for the police service with the greatest population is presented.

(ii) There are instances where police service boundaries fall under multiple CSDs. In these cases, the data for the police service is reported for all CSDs (i.e., multiple CSDs will have the same information).

This variable (CSD_flag) provides an indication where these issues occur.

Values:

0     Neither of the issues above
1     CSD is split between multiple police services (i.e., issue (i) above)
2     Police service covers more than one CSD (i.e., issue (ii) above)
3     Both issues apply
Blank   Not available

Source:
Uniform Crime Reporting Survey, Statistics Canada
### Appendix A: Data Elements Reported, by Jurisdiction

<table>
<thead>
<tr>
<th>Data Element Description</th>
<th>Variable name</th>
<th>British Columbia</th>
<th>Alberta</th>
<th>Saskatchewan</th>
<th>Manitoba</th>
<th>Ontario</th>
<th>New Brunswick</th>
<th>Canadian Armed Forces</th>
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</thead>
<tbody>
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<td>Number of injured persons</td>
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## Appendix A – Data Elements Reported, by Jurisdiction

### Appendix A, continued

<table>
<thead>
<tr>
<th>Data Element Description</th>
<th>Variable name</th>
<th>British Columbia</th>
<th>Alberta</th>
<th>Saskatchewan</th>
<th>Manitoba</th>
<th>Ontario</th>
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<th>Canadian Armed Forces</th>
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<tbody>
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<td><strong>Property description</strong></td>
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<td></td>
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<td>Fire type (structure, vehicle, outdoor) - derived variable</td>
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## Appendix A – Data Elements Reported, by Jurisdiction

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### 2. VICTIM FILE

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**Source:** National Fire Information Database (NFID), Statistics Canada
### Appendix B: Jurisdictional Data Availability by Year

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<th>Alberta</th>
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<th>Ontario</th>
<th>New Brunswick</th>
<th>Canadian Armed Forces</th>
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Appendix C: Concepts and Definitions

Fire/Fire Incident
For the purpose of the NFID, a fire has been defined by the CCFMFC and the CAFC as any instance of destructive and uncontrolled burning, including explosion of combustible solids, liquids or gases. Fire does not include the following, except where they cause fire or occur as a consequence of fire:

- e) lightning or electrical discharge;
- f) explosions of steam boilers, hot water tanks or other pressure vessels due to internal pressure and not due to internal combustion;
- g) explosions of ammunition or other detonating material;
- h) accidents involving ship, aircraft or other vehicle;
- i) forest (that fall under the Forest & Prairie Protection Act & any Federal jurisdiction);
- j) grass or brush or rubbish except for harvestable products; and
- k) overheat condition.

Note:
This definition restricts fire incidents to be reported nationally to those which cause deaths or injuries or which destroy or damage property having a value that may be expressed in terms of dollars. For the purpose of the exclusion in e) and f) above, forest, grass or brush fires are defined as free burning fires in wooded or open country where only natural elements are destroyed. ³

Overheat
Overheat is defined as an alteration of material by heat without self-sustained combustion. Removal of the heat source will stop the alteration process. It may also be described as the stage before ignition. Overheating incidents are not considered fire incidents.

Examples are: an overcooked roast in the oven, discolouration caused by hot metal on a kitchen counter, or a cigarette scar on a table or on a carpet.

Exposure Fire
An exposure fire occurs as a direct consequence of a fire originating in either:
- a) a completely detached segregated building, structure or facility; or
- b) an outside open area.

Notes:
If a building fire ignites or damages a vehicle parked nearby, the vehicle fire becomes an exposure fire.

If a building fire results from a vehicle collision, the building fire is classified as an exposure fire.

If a vehicle is parked in the structure, it is not a separate fire but part of the contents.

A fire in a garage attached to a residence is **NOT** a separate fire any more than the various stores in a shopping centre or various apartments in an apartment building.

If a building fire results from the spread of a forest, brush or rubbish fire, the building fire is considered to be an exposure fire.

**Fire Victim**

A fire victim is any person (civilian or firefighter) who is a casualty of a fire incident.

**Fire Casualties**

Fire casualties refers to any fire deaths or fire injuries based on the definitions that follow.

**Fire Deaths**

a) **Fire death (civilian)**
   A person (i.e., civilian/non-firefighter) killed accidentally as a direct result of a fire or a person who dies from a fire injury within one year following the date on which the injury was sustained, providing the person was not a member of a fire department.

b) **Death involving fire (civilian)**
   A person who was in a place where fire occurred, but who may have died from a cause other than the fire itself (e.g. a person who dies in an automobile accident where the vehicle catches fire prior to death, a suicide by burning or asphyxia, an incendiary fire set for the specific reason of killing).

**Note:**

A person who dies from burns or asphyxia in a vehicle as a result of a collision is **NOT** considered a fire death. A person who dies by accident as a result of an incendiary fire is considered to be a fire death.

When there is doubt about suicide or murder, the person has been classified as a fire death.

c) **Fire action death (firefighter)**
   A member of a fire department killed accidentally while in the process of fighting a fire or who died from a fire action injury within one year following the date on which the injury was sustained.

**Note:**

A firefighter killed as a result of an accident while en route to or returning from the scene of an actual fire or who died from an injury received in such an accident, is considered to be a fire action death.
Fire Injuries

a) Fire injury (civilian)
A person (i.e., civilian/non-firefighter) accidentally injured as a direct result of a fire unless this person is a member of a fire department.

A person who suffers from smoke inhalation from an overheat condition where no actual fire occurred is NOT considered an injury.

Note: The applicable interpretations above for fire death also apply to the fire injury.

b) Fire action injury (firefighter)
A member of a fire department accidentally injured while in the process of fighting a fire.

Note: A firefighter injured as a result of an accident while en route to or returning from the scene of an actual fire is considered a fire action injury.

Types of Injuries

Fire injuries and fire action injuries fall under three categories.

(i) Minor injury:
An injury that does not require hospitalization of over a 24-hour period or absence from work of not more than one full day.

(ii) Light injury:
An injury that requires admission to a hospital of over 24 but not more than 48 hours and/or absence from work for a period of two to fifteen days.

(iii) Serious injury:
An injury that requires admission to a hospital for a period of more than 48 hours and/or an absence from work for a period exceeding fifteen days.

Property Loss Caused by Fire

Property loss cause by fire refers to the cost of actual damages to property (building, vehicles and contents) in dollars.

Note: Only direct losses from fire, smoke, gas, explosion, or damages associated with firefighting operations are included. This excludes loss of goodwill, loss of sales and other losses due to interruption of business or vacating of a home.