

FENZ Incident Metadata

Documentation

Data & Analytics Directorate

December 2025



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Foreword

Fire and Emergency NZ (FENZ) publishes data on its responses to incidents. This document describes the data published by FENZ.

Purpose

FENZ's purpose in publishing this data is to allow interested parties to better understand the nature of incidents that FENZ responds to, and the nature of FENZ's response to those incidents.

FENZ would be interested to hear of any insights that you derive from the data. Feel free to get in contact at analytics&bi.support@fireandemergency.nz.

Contents

The data describe incidents that are recorded in FENZ's incident management systems, Intergraph Computer Aided Dispatch (ICAD) and Station Management System (SMS). ICAD is software used by the Emergency Communications centre staff when assigning and dispatching firefighters to events. SMS reports are completed by FENZ staff after attending an incident.

The data consist of a single tab-delimited table, with one record per exposure. Exposures are defined as a building or other location that was potentially impacted by a fire or other hazard, while an incident is a single episode involving a fire or other hazard. In this way, an incident could consist of a single large fire, that contains multiple exposures, one for each property affected by the flames.

The date range covered covers the history of FENZ as an organisation – the eight financial years from 2017/18 to 2024/25.

Each field contains the definition and purpose of the code. Categorical data has the individual codes displayed in a table, where applicable. Note that descriptions of these individual codes are provided where clarifications may be necessary. Nominal categories are presented in alphabetical order, while ordinal categories are presented ascending order.

FENZ updates its data from time to time for correctness and completeness. Therefore, analysis of this data may produce results that are slightly numerically different from those previously published by FENZ.

Release arrangements

The data are published by FENZ on its website. Data were first published in December 2025 and will be updated annually thereafter. Release dates may vary.

The data will also be shared through data.govt.nz: [Discover and use data - data.govt.nz](https://www.data.govt.nz).

Anonymisation

The data do not include any personal identifying information.

The locations at which incidents occurred have been partially anonymised - they are shown at the Suburb level only. Street addresses are not shown.

Conditions under which the data are released

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Contact

For any questions, suggestions or requests, contact analytics&bi.support@fireandemergency.nz.

The remainder of this document is a data dictionary, describing the meaning and contents of each field in the data table.

Code Details

Exposure ID

Definition

A numeric unique ID number assigned to each exposure. Exposures are defined as a building or other location that was potentially impacted by a fire or other hazard. One incident may include multiple exposures (e.g., multiple houses caught in a single fire).

Purpose

Exposure ID is used to identify individual exposures. It can be used to count the number of properties/locations that have been impacted by fires or other hazards.

Incident ID

Definition

A numeric unique ID number assigned to each incident. Incidents are defined as a single episode involving a fire or other hazard. An incident may include multiple exposures (i.e., multiple addresses/locations exposed to the hazard).

Purpose

Incident ID is used to identify individual incidents. It can be used to count the number of incidents that have occurred.

Exposure Number

Definition

A number given to an exposure within an incident that contains multiple exposures. For example, in an incident with 5 exposures, they could be each labelled 0 through 4. Incidents with single exposures are labelled 0.

Purpose

Exposure number is used to identify Incidents that contain multiple exposures, and/or to identify how many exposures occurred within a single incident.

CAD Number

Definition

This field is a unique ID for ICAD events. ICAD is the Intergraph Computer Aided Dispatch system used by Fire Communications to receive and manage events. These are recorded as a string (e.g.: F2907151)

Purpose

CAD Number is used to identify individual events as recorded in the CAD system. It can be used to count the number of CAD events. Note that while each incident will have a CAD number assigned to it, not every CAD number is assigned to an Incident report. Some CAD events are non-emergency, advice, training, etc... and do not require a report to be written.

Status Code

Definition

The current status of the incident record in SMS. This is measured categorically and includes:

Status Codes	
Code	Details
CLOSE	Incident Record has been closed
INCOM	Record is incomplete
NEW	Record has not been started
LIMBO	The record will not be completed. Historically was used for incomplete reports but currently more common for reports impacted by industrial action

Purpose

To determine the status of the incident report. Generally, will be closed for most historic incidents, but incoming or new statuses may be increasingly present the closer to the current date the data is.

Closed Date

Definition

A Date time that records when the incident record was closed in the SMS system (if applicable).

Purpose

Used to examine when records were closed.

Start Date Time

Definition

Date and time when the incident began, as determined by its entry into the ICAD system.

Purpose

This is used to determine when FENZ became aware of an incident starting. May be used alongside Stop Date Time to determine how long FENZ staff was attending an incident for.

Stop Date Time

Definition

Defined as the date and time when the incident record was closed in the ICAD system. Typically, at the approximate time when FENZ left the scene of the incident. Notably, this could be immediately after the event is dealt with, or could be some time later if investigators are attending the scene.

Purpose

Used to determine when incidents ended. May be used alongside Start Date Time to determine how long FENZ staff was attending an incident for.

Station

Definition

This defines that name of the station that was assigned responsibility for completing the SMS report. This is typically the station whose appliance first arrived on the scene. Consists of both a numerical reference code and a categorical string.

Purpose

Used to determine what station attended an incident. Note that this does not include all of the stations that may have been present, but just the station that completed the SMS entry.

ICAD Event Type/Incident Description

Definition

The type of event as recorded in the ICAD system. This is the final code given to the event (note that events may start with a different code and get updated as more information is provided to the comm centre). Note that other event types/incident descriptions exist within the ICAD system and *may* appear in the data if there is an error – this can result from incorrect entry, an event that was not recoded, or from events being merged into a non-response event type (e.g., a burnoff that got out of control contains a burnoff event and a vegetation fire event. At the conclusion of the incident, the events are merged into the burnoff event instead of the vegetation fire event). Consists of a short string code (Event Type), and a longer descriptive name (Incident Description). Is categorical and includes:

Incident Description String

Event Type	Incident Description	Details
AIRH	Aircraft Heavy	Incidents involving Aircraft over 18 metres long
AIRL	Aircraft Light	Incidents involving aircraft under 18 metres long (e.g., helicopters, hot air balloons)
FIREALM	Fire Alarm	PFA activation for non-sprinklered building or call from private monitoring company reporting alarm activation on a commercial premises
HAZ	Hazardous Substance	Spillages, ruptures, or explosions related to chemicals or other dangerous materials. Excludes gases and/or flammable liquids
HAZGAS	Gas Leak	All gas leaks or smell of gas events
HAZFLAM	Flammable Liquids	Spills of flammable liquids 30L or more. Does not include incidents where structure

		fires result from a spill of this kind (STRU). (Spills <30L come under MIN)
MED	Medical Assistance	Co-response request from ambulance to attend a medical event
MEDFR	Medical First Response	First response unit request from ambulance to attend a medical event
MIN	Minor Event	Includes fires already out, fuel spill <30L, unusual smells (not smoke), residential alarm activations, known fog cannon activation, etc...
MCV	Motor Vehicle Collision	Motor vehicle crash not requiring rescue from being trapped in the vehicle
MVCHEVY	Motor Vehicle Collision – Heavy Rescue	Same as MVCRESC but involved a heavy vehicle such as train, truck, bus, tractor)
MVCRESC	Motor Vehicle Collision – Rescue	MVC that includes someone trapped inside a vehicle or unable to get out
NAT	Natural Disaster	Can also appear as NAT1/NAT2/NAT3, with the higher number determining higher priority of response
RESC	Rescue	All rescues except powered aircraft and MVC. Includes <i>unpowered</i> aircraft
SHIP	Ship Fire	All fires involving ships, including fishing and large passenger/commercial vehicles
SPRNKLR	Sprinkler Investigation	PFA activation in a building with a sprinkler system.
STRU	Structure Fire	Fires in all buildings
VEG	Vegetation Fire	Fire in vegetation, including forests or plantations

Purpose

Helps to distinguish what type of event was attended by FENZ. Can be used to examine specific event types such as only Fire events.

Alarm

Description

Alarm defines how FENZ was alerted to the event, including both 111 calls and PFA's. Defined through the ICAD system. Consists of both a numerical reference code and a categorical string. Categories consist of:

Alarm Name	
Alarm Name	Details
111 from Private Monitoring Company	111 Call received from private monitoring company
111 from Security Co/Agent	111 Call received from security company or agent

111 Telephone	111 Call received (excludes PMC or Security Company)
Airport Call	Call received from airport/staff
Ambulance Call	Call received from Ambulance
Automatic PFA Call	Automated Private Fire Alarm Activation
Exchange phone	Call made directly to the Comm centre (as opposed to via 111)
Manual PFA Call	Manual Private Fire Alarm Activation
Other PFA Call	Other Private Fire Alarm
Police Call	Call received from Police
Running Call	FENZ staff approached by member of public requesting assistance
Sprinkler PFA Call	Automatic Sprinkler Private Fire Alarm Activation
Vehicle Call on Radio	Call received directly from appliance radio

Purpose

To distinguish different methods of FENZ being alerted to the event. Allows a breakdown of Alarm type – e.g., distinguishing which incidents came from 111 calls compared to incidents received via automatic PFA.

Regional Council

Definition

This measure determines which Regional Council the incident occurred in. Consists of both a numerical reference code and a categorical string.

Purpose

Used to determine which region incidents occurred in. Can be used to examine specific Regional Council areas or to compare incidents between regions.

Incident Type

Definition

The categorical type assigned to an exposure in the SMS system. Consists of a wider Group category, two numerical reference codes (one for the Group: IncidentGroupID and another for the incident type itself: IncidentType), and two categorical strings.

Incident Name		
Group Name	Incident Type	Details
Assist Public	Assist Public: General	General help provided by FENZ

	Assist Public: Natural Disaster	Includes assistance given during, or because of a natural disaster
False Alarm		
	False Alarm: Good Intent K46-1	Call to location with no emergency, but caller believed there to be an emergency
	False Alarm: Accidental Operation K46-2	Fire alarm system activated in error
	False Alarm: Defective Apparatus K46-3	Fire alarm system caused by malfunction
	False Alarm: Malicious K46-4	Intentional call to location with no emergency. I.e., a prank call
	False Alarm: Alarm Agent in Attendance K46-5	Fire alarm system activated by alarm agent working on the system
	False Alarm: Nothing on Indicator Panel K46-6	Fire alarm system call, but with no activation showing on the indicator panel when attended
	False Alarm: Undetermined K46-7	Cause of the fire alarm system call cannot be determined
HAZMAT		
	Major Hazardous Substance Incident	Management of a hazardous substance requiring specialist hazardous substance equipment due to size or type of chemical
	Minor Hazardous Substance Incident	Management of a hazardous substance that does not require specialist hazardous substance equipment
Heat/Pressure		
	Overpressure, Overheating, Rupture, Explosives – No Fire	Any incident involving the aforementioned, but <i>not</i> involving a fire before or afterwards
Medical		
	Medical Call	Response to provide first aid or assist ambulance as <i>the primary activity</i>
Other Fire		
	Mobile Property Fire	A fire in any vehicle or transportation (incl. Aircraft, Boat, Train, etc.)
	Hazardous Substance Fire	A fire where a hazardous substance is on fire, requiring activities/equipment beyond general firefighting operations

Outside Rubbish Bin, Skip Fire	Fire in any size of bin
Other Fire - not classified above	Any fire that does not fit into other incident categories
Rescue	
Assist Public: General	Same as above, but added here to allow the correct incident type to be selected
Motor Vehicle Accident (MVA)	Incidents involving collision of one or more vehicles. Excludes incidents involving fire or hazardous substances (recorded under those respective categories)
Technical Rescue	Incident to rescue a person or animal, requiring advanced skills or equipment (e.g., trapped under machinery)
Special Service Calls	
Aircraft Standby	Response to an airport for aircraft reporting a possible fault (not used for incidents where the aircraft had an actual accident or emergency)
Assist Police	A response to support police, excluding ordinary firefighting or hazardous substance control activities
Domestic, Commercial Water Problem	Management of excess water from a water supply system to domestic or commercial property (excludes flooding)
Electrical Hazard/Power Line	Managing an electrical hazard (excludes where hazard is resulting from another emergency)
Special Service Call – Not Classified Above	Only used if no other category is appropriate
Structure Fire	
Structure Fire with damage	Building or contents sustained damage from heat, smoke, flame, or fire control activity
Structure Fire with no damage	Building and contents did not sustain damage from heat, smoke, flame, or fire control activity (e.g., local pan fire)
Vegetation Fire	
Vegetation Fire	Response to any fire in a forest, tree, scrub, or grass

Vehicle Accident

	Motor Vehicle Accident (MVA)	Same as above, but included again to allow the correct incident type to be selected
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Purpose

Used to determine what type of incident was attended.

Caveat

These fields have not been populated in some past episodes of industrial action.

Action Taken

Definition

A categorical variable that defines what action was taken by FENZ Personnel in response to the exposure. Multiple actions may have occurred, but staff are asked to report the one which *best described* what happened. Consists of a wider Group category, a numerical reference code, and a categorical string. Categories consist of:

Action Taken		
Group Name	Action Taken	Details
Emergency Medical, Rescues, Search	Assistance (inc. minor rescues, medic service)	People not trapped but in need of help to reach safety. Includes providing minor medical service.
	Co-responder call assistance	Code expired 31/10/2002
	CPR only	Used when the <i>only</i> medical assistance provided was CPR.
Emergency medical, Rescue, Search - Other	Extrication	Removal of trapped people whether alive or deceased. Includes providing medical service
	Manpower provided	E.g., assisting Police or Ambulance
	Medical/First Aid Assistance	Medical assistance only. Does not include any rescue assistance. Can include CPR alongside other medical.
	No Action Required - Includes appliance stood down	Use only if Appliance is told to stand down, or K28.
	Rescue, Search and Rescue	Removal from imminent harm to a safe place whether alive or

		deceased. Includes providing medical service
Search only		Excludes searches that ended in rescue and/or medical assistance.
Standby at accidents		Vehicle being removed from accident
Temp Landing Pad/Aircraft Assistance/Bucket Refill		Assistance in creating temporary landing sites; assisting with aircraft landing/refuelling inc. Monsoon bucket refilling.
Traffic control/scene protection		Code 409 expired 21/12/2018
Traffic control/scene protection		Code 410
Fire Related		
Extinguishment and ventilation		Excludes hazardous material fires
Extinguishment only: Includes isolating fuel/power		Includes other extinguishment methods e.g., backburning. Excludes hazardous material fires.
Extinguishment, salvage and ventilation		Excludes hazardous material fires
Fire related - not classified above		
Haz substance involved in fire, made safe		Containment and/or decontamination performed
Haz substance involved in fire, made safe & salvage		Containment and/or decontamination performed
Investigation only (Fire related)		Ensuring fire is out & not spread. Includes isolating fuel.
Monitor only (Fire related)		
Salvage only		
Temp Landing Pad/Aircraft Assistance/Bucket Refill		Assistance in creating temporary landing sites; assisting with aircraft landing/refuelling inc. Monsoon bucket refilling.
Traffic control/scene protection		Code 408 expired 21/12/2018
Traffic control/scene protection		Code 410
Ventilation only		Smoke/gas removal
Miscellaneous, No Action, Investigation only		
Information not recorded		Expired 12/3/2001
Investigation only (Fire related)		Ensuring fire is out & not spread. Includes isolating fuel

Investigation Only (Non-Fire related)	Excludes investigations where fire is out on arrival, which should use: Investigation only (Fire related)
Miscellaneous, no action - not classified above	
Monitor only (Non fire related)	
Mutual aid	Expired 31/10/2002. Referred to assisting another fire service/authority.
No Action Required - Includes appliance stood down	Used only if Appliance is told to stand down, or K28.
Referred to proper authority	Used when another authority is more applicable to the circumstances at hand.
Standby (not vehicle accidents)	Excludes standby at vehicle accidents
Standby at accidents	Vehicle being removed from accident
Ventilation only	
Non-Fire Chemical Incidents (Hazardous and Non-Hazardous)	
Decon of non FENZ personnel and equipment	Decontamination
Haz substance: Identified, contained, made safe	Haz substance identified, and contained, neutralised/removed/made safe by FENZ staff.
Hazardous substance: Identification and containment	Haz substance identified. Contained by FENZ, but neutralised and removed by another organisation.
Hazardous substance: Identification only	Haz substance identified.
Isolating Power or Fuel Supply	Use for gas leaks or electrical hazards. For fire-related isolation please use fire-related actions.
Non fire chemical incidents - not classified above	
Non hazardous substance: Clean-up and removal	Incidents where substances were identified as non-hazardous but cleaned up regardless.

Non hazardous substance: No further action taken	Incidents where substances were identified as non-hazardous.
Non hazardous: Identified and contained	Incidents where substances were identified as non-hazardous. Contained for other service to remove.
Temp Landing Pad/Aircraft Assistance/Bucket Refill	Assistance in creating temporary landing sites; assisting with aircraft landing/refuelling inc. Monsoon bucket refilling.
Ventilation only	
Special Service Incidents	
Animal: Capture, Removal, Rescue	
Diverting water	Excludes water removal or salvage operations.
Isolating/Removal of Power Supply	includes disconnection of batteries, physical relocation of an active power/fuel source.
Lock-out, Gain entry	Assisted entry to a locked property.
Restoration of services	Includes restoration of water supplies
Road wash down	Includes MVA where the vehicle is removed prior to FENZ arrival
Roof repair	Replacing tiles or iron, use of salvage sheets.
Salvage (non fire)	
Security, Stabilisation, Demolition of unstable structures	Includes temporary repairs to structures or demolition of unstable structures.
Special service incidents - not classified	
Standby at accidents	Vehicle being removed from accident
Temp Landing Pad/Aircraft Assistance/Bucket Refill	Assistance in creating temporary landing sites; assisting with aircraft landing/refuelling inc. Monsoon bucket refilling
Traffic control/scene protection	
Tree removal	Includes removal from structures and accessways
Water removal: Domestic, commercial, weather related floods	Includes isolation of water supply causing flood (if applicable)

Water removal: Sprinkler operated

Purpose

Used to determine the action that FENZ personnel took in response to the event.

Suburb

Definition

The suburb in which the site of the exposure is located. Note that if an event contains multiple exposures in an area, it is possible for exposures to be in different suburbs.

Purpose

More specific geographic region than Regional Council or TLA. Allows more granular examination of exposures and incidents.

TLA

Definition

The Territorial Authority in which the site of the exposure is located.

Purpose

Used to determine which territorial authority the site is in. Is more granular and specific than Regional Council, but less specific than Suburb.

Building Owner

Definition

Defines what kind of ownership the building is under (if applicable). Consists of both a numerical reference code and a categorical string. Categories consist of:

Building Owner	
Building Owner	Details
Housing NZ	Building belongs to housing NZ
Owner occupied	Owner of the building lives in it
Rented Property	Private rental agreement between tenants and owner
State Owned	Owned by government (not Housing NZ)
Unknown	

Purpose

Helps to determine the status of the property owner and/or occupant of the residential property at the time of the incident.

Alarm Device

Definition

The type of device that alerted FENZ to the incident (if applicable). Consists of both a numerical reference code and a categorical string. Categories consist of:

Alarm Device	
Alarm Device	Details
111 Call, no fire detected, equipment involved	Not a device, but a call through 111
Manual Call Point	Call point activated by a person
Other Detector	Covers other detection forms/devices not specified here
Smoke Alarm (Battery powered)	Detects smoke using a battery or internal power source
Smoke Alarm (Mains powered)	Detects smoke using main power/external power source
Sprinkler	Device which releases water to suppress fire
Thermal Detector	Detects change in temperature that indicates presence of fire

Purpose

To determine what kind of PFA or other device alerted FENZ to the fire. Provides more detail than Alarm.

General Property Use

Definition

Defines the general purpose for the entire property affected by the exposure (not necessarily the specific part of the property affected). Consists of a wider Group category, a numerical reference code, and a categorical string. The full list of categories can be found in the Appendix.

Purpose

Provides the overall purpose of the property. Can be used alongside Specific Property Use to ascertain the purposes of the property and the specific part of the property affected by the exposure. For example, if the fire was in a university chemistry lab, the General property may be University, Polytech, Other post-secondary venue while the specific property is a Laboratory: Medical, Chemical, Biological.

Specific Property Use

Definition

Defines the main purpose for the specific building or part of the property affected by the exposure. Consists of a wider Group category, a numerical reference code, and a categorical string. The full list of categories can be found in the Appendix.

Purpose

Provides the specific purpose of the building affected. Can be used alongside General property use to ascertain the purposes of the wider property and the specific part of the property affected by the exposure. For example, if the fire was in a university chemistry lab, the General property may be University, Polytech, Other post-secondary venue while the specific property is a Laboratory: Medical, Chemical, Biological.

Origin Location

Definition

The point within the site where the incident began. Consists of a wider Group category, a numerical reference code, and a categorical string. Categories consist of:

Origin Location		
Group Name	Origin Name	Details
Living Area		
	Bedroom, Sleeping area, Cell: 5 or more persons	
	Bedroom, Sleeping area, Cell: under 5 persons	
	Chimney	
	Dining area, Cafeteria, Canteen, Servery, Bar area	
	Kitchen, Cooking area	
	Laundry area, Wash house	
	Living area - not classified above	
	Lounge, Common room, TV room, Music room	
	Office	
	Toilet, Locker room, Rest room, Bathroom, Sauna	
Means of Egress		
	Escalator	
	Hallway, Passageway, Corridor, Walkway in mall	
	Lobby, Entrance way	
	Stairs (exterior): Fire escape, Ramp	
	Stairs (interior)	
Outside Area, Multiple Area		
	Area under construction or major renovation	
	Lawn, Park, Sports field	
	Multiple areas of origin	

On or near railway track or embankment	
Open land, Scrub land, Farm land	
Outside area, multiple area - not classified above	
Patio, Court, Terrace, Gazebo	
Road, Street, Parking lot, Highway, Motorway	
Vacant structural area	
Sales and Assembly Area	
Display window	
Large assembly area: Auditorium, Church, Lecture Hall etc	100 or more persons with fixed seating
Large open room: Ballroom, Gym, Rink, Bowling etc	100 or more persons without fixed seating
Library, Art gallery, Exhibition space	
Recreational: Swimming pool, Gym, Massage, Sauna	
Showroom, Sales area	excludes: Display windows
Small assembly area: Classroom, Meeting room, etc	Less than 100 persons with or without fixed seats
Service Facility	
Chimney	
Chute: Mail, Laundry (not Rubbish)	
Conveyer	
Duct: Air, Heating, Cable, Exhaust	
Lift, Dumbwaiter	
Light well	
Ventilation shaft, Conduit shaft, Utility shaft	
Service or Equipment Area	
Enclosure with oxygen-enriched atmosphere	
Enclosure with pressurised air	
Heating equipment, Water heating	
Incinerator room	
Machinery Room/Area: Engine, Cooling, Pump, Lift	

Maintenance shop, Repair, Welding, Spray Painting	
Service or equipment area - not classified above	
Test cell	
Transformer, Switch gear, Electrical control board	
Storage and Garage Area	
Garage, Carport, Vehicle storage, Storage Shed	
Product storage, Tank, Bin, Agri storage, Hay	
Record storage/room, Vault	
Rubbish, Industrial waste, Waste container	Excludes: Incinerators
Shipping area, Receiving/Loading/Packing area	
Storage and garage area - not classified above	
Supply area, Tool room, Maintenance supply room	Excludes: Maintenance Shops, Repairs
Wardrobe, Cupboard, Walk in pantry	
Structural, Roof, Ceiling Area	
Balcony, Porch, Veranda	
Ceiling and floor assembly	
Ceiling and roof assembly	
Chimney	
Crawl space, Basement	
Roof surface (exterior)	
Wall assembly: Concealed wall space	
Wall surface (exterior)	
Technical, Manufacturing Area	
Computer/Electronic Equip Control Room/Area	
First aid, Surgery, Treatment room, Dialysis room	
Laboratory	
Manufacturing, Process, Work room	
Operating theatre, Recovery room	
Photographic, Printing room	
Projection room, Stage light, Spot light area	

Stage area, Dressing room, Performance area

Technical, Manufacturing area - Other

Unable to Classify

Unable to classify

Vehicle Area

Boot, Load carrying area

Engine area, Running gear

Fuel tank, Fuel line area

Operating control area: Cockpit, Truck Cab, Ship

Passenger area (of transportation equipment)

Vehicle area - not classified above

Wheel area

Purpose

Used to identify where on the property/location the incident began.

Origin Level

Definition

Used for buildings with multiple levels. Defined as the floor of the building in which the fire or other event began. Consists of both a numerical reference code and a categorical string. Categories include (In floor order):

Origin Level	
Origin Level	Details
Below ground or water level	
Ground level	
1 st Floor	
2 nd Floor	
3 rd or 4 th Floor	
5 th -10 th Floor	
11 th -15 th Floor	
Above the 15 th Floor	
Roof Space	

Purpose

Used to identify where on the property/location the incident began.

Equipment Involved

Definition

The item or equipment that provided the heat to start the fire or was involved in the release of a hazardous substance. Consists of a wider Group category, a numerical reference code, and a categorical string. The full list of categories can be found in the Appendix.

Purpose

Helps to track and determine causes of fire and other events.

Natural Disaster Type

Definition

Used for incidents classified as 'Assist Public: Natural Disaster'. Consists of both a numerical reference code and a categorical string. Specifies the type of natural disaster that FENZ assisted with. Categories include:

Natural Disaster Type	
Natural Disaster Type	Details
Earthquake	
Flood	
Natural Disaster – Not classified above	
Tsunami, Tidal waves	
Volcanic Eruption	
Wind storm, Tornado, Cyclone, etc...	

Purpose

Used to distinguish what kind of natural disaster was being responded to.

Rescue Type

Definition

Used for incidents classified as 'Technical Rescue'. Technical Rescue refers to the rescue of a person or animal, requiring advanced skills or equipment (e.g., trapped under machinery). Consists of both a numerical reference code and a categorical string. Categories include:

Rescue Type	
Rescue Type	Details
Animal Rescue	
Collapsed structure rescue	
Electrocution	
In or under machinery	

Lock-in, Trapped inside structure

Rescue from water

Roof, Cliff, Tree or other heights rescue

Technical Rescue – not classified above

Trapped in a lift

Underground rescue, Trench collapse

Purpose

Used to determine who or what is being rescued and from what or where.

Arrival Condition

Definition

The condition of the fire when FENZ staff arrived on scene. This is a subjective description from the attending staff. Consists of both a numerical reference code and a categorical string. Categories include:

Arrival Condition	
Arrival Condition	Details
No Fire or Smoke	
Smoke only	
Out on arrival	
Small fire	
Large Fire	
Totally involved fire	Fire taken over the entire structure
Unable to Classify	

Purpose

To determine how large the fire had grown before FENZ staff arrived at the scene.

Heat Source

Definition

The heat source that led to the fire, if any. Consists of a wider Group category, a numerical reference code, and a categorical string. Categories include:

Heat Source		
Group	Source Name	Details
Battery or Battery Powered Device		
	Battery (no device - lithium ion)	
	Battery (no device - other chemistry)	

Electric vehicle (car)	
Electric vehicle (micromobility i.e. Scooter)	
Laptop	
Mobile phone	
Other (capture details in the COMMENTS tab)	
Powered tool	
Powered toy	
Vape / smoking device	
Cigarettes, Matches and Candles	
Candle	
Cigarette, Cigar or Smoking materials	
Cigarettes, matches and candles - Other	
Heat from smoking material	Discontinued 17/10/2014
Lighter/Match/Candle - POSSIBLE combination of	Discontinued 17/10/2014
Lighters	
Matches	
Pipe	Discontinued 17/10/2014
Electrical Equipment	
Arc from fault, Loose or broken conductor	
Arc from switch, electric fence or operating equip	
Arcing or overloaded electrical equipment - Other	
Electric lamp	
Fluorescent light ballast	
Heat from electrical equip: Defective or faulty	
Heat from electrical equipment: Incorrectly used	
Heat from electrical equipment: Properly operating	
Heat from overloaded equipment	
Short circuit arc: Defective or worn insulation	

Short circuit arc: Mechanical damage

Short circuit arc: Unspecified

Short circuit arc: Water cause

Explosives, Fire Works

Bomb, Military rocket, Ammunition

Explosives, Fire works - not classified above

Explosives, fuses, and associated equipment

Fireworks / Pyrotechnics

Flare: Warning, Safety, Boat

Incendiary devices, Molotov cocktail

Lighter/Match/Candle - POSSIBLE combination of

Discontinued 17/10/2014

Rockets: Commercial, model or amateur

Tracer ammunition

Exposure Fire

Exposure Fire - unable to classify

Exposure fire: Conducted heat

Exposure fire: Direct burning (convection currents)

Exposure fire: Ember, Spark, Flying brand

Exposure fire: Radiated heat

Gas or Liquid Fuel Powered Equipment

Flame escaping from liquid fueled equip, Backfire

Flame from gas equipment other than a torch

Gas or liquid cutting torch: Spark, Ember, Flame

Gas or liquid fuel powered equipment - Other

Gas or liquid welding torch: Spark, Ember, Flame

Heat from gas fueled equipment

Heat from liquid fuelled equipment

	Lighter/Match/Candle - POSSIBLE combination of	Discontinued 17/10/2014
	Other gas or liquid powered sources: Furnace, Torch	
Hot Object		
	Embers, Ashes	
	Friction heat, Overheated tyres	
	Hot object - not classified above	
	Molten material: Hot glass, Brake shoes, Slag	
	Re-ignition, Rekindle from previous fire	
Natural Source		
	Lightning discharge	
	Solar heat: Sun (magnified through glass etc)	
	Spontaneous ignition, chemical reaction	Spontaneous Ignition: Combustion is defined as Initiation of combustion of a material by an internal chemical or biological reaction that has produced sufficient heat to ignite the material
	Spontaneous ignition; organic- hay, linseed oil etc	
	Static electrical discharge	
Outside Fire		
	Agricultural fire or burn off	
	Outside bonfire	
	Outside fire - unable to classify	
	Outside fire for cooking	
	Outside fire for warmth / Campfire	
	Refuse burning	
Solid Fuelled Powered Equipment		
	Coal fuelled equipment: Spark, Ember, Flame	

Heat from coal or coke fuelled equipment	
Heat from other solid fuelled equipment	
Heat from paper-fuelled equipment	
Lighter/Match/Candle - POSSIBLE combination of	Discontinued 17/10/2014
Solid fuelled powered equipment - Other	
Wood/paper fuelled equipment: Spark, Ember, Flame	

Unable to Classify

Information not recorded/Unknown	Used as a last resort only when the heat source is unknown
Unable to classify	Used as a last resort only when the heat source is unknown

Vegetation Source

Animals
Bark or sawdust spontaneous ignition
BBQ
Bee-Keeping smoking tool
Birds nest
Broadcast slash burn
Chainsaws
Clashing / Arching power lines
Crop burn
Debris burning
Earthwork or forestry machinery
Electrical Fence
Exhaust heat / Spark
Farm machinery
Frost pots
Geothermal Activity
Hay/silage spontaneous ignition
Lantern

Maintenance crews
Malfunction
Matchers or Lighters
Motorbike, Truck or Car
Mowers and slashers
Oil and gas exploration
Railway Locomotive or carriage
Ropes / binding
Scrub and tussock burn
Skid site spontaneous ignition
Sky / Chinese lanterns
Trees
Umu / Hangi
Welding, grinding, cutting
Windrow / slash pile
Wood-fired pizza ovens

Purpose

Used to examine what Heat Source may be causing fires. Can be used alongside Equipment Involved and Cause to determine specific conditions that caused the Fire.

Fire Detect Type

Definition

Systems that are in place at the site to detect and extinguish a fire (if any). Note that this is independent from Alarm or Alarm Device in that the devices in this measure are recorded regardless of whether or not they activated correctly.

Fire Detect Type	Details
CO2	
Deluge System	
Domestic (Home) Sprinkler	
Domestic Smoke Alarms	Used for alarms with mini-battery powered units.
Drencher System	
Dry Powder	
Flame Detector	

Flammable vapour detector	
Foam	
Halons (BCF, BTM, Etc...)	
Heat detector, Thermal detector	
Inert gas (not CO2)	
Manual Fire Alarm	
Residential Sprinkler	
Smoke Detector System (Monitored)	Smoke detector system installed and monitored by an approved alarm monitoring agency.
Smoke Detector/Security Alarm System	Smoke detector/alarm system that is part of a monitored building security system. Usually with a separate alarm sounding device.
Smoke sampling system	
Sprinkler	
Unable to Classify	
Water spray projection system	

Purpose

Used to determine what method/s were present at the site for detecting a fire.

Fire Detect Perform

Definition

Defines whether or not the Fire Detector worked to alert occupants and/or the public, and its approximate location in relation to the fire. Consists of a binary Group category (Detector in room or not), a numerical reference code, and a categorical string. Categories include:

Cause		
Group	Cause Name	Details
Detector in Room or Space of Fire Origin	Alerted occupants - detector in room of origin	
	Alerted public - detector in room of origin	
	Detector in room of origin - not classified above	
	Detector in Room operated AND was EFFECTIVE	Monitored or inbuilt detection system operated and alerted agents/occupants

Did not operate - detector in room of origin		
Fire too small to activate detector in room of origin		
System operated AND was EFFECTIVE	Discontinued 27/8/2014	
<hr/>		
Detector Not in Room or Space of Fire Origin		
Alerted occupants but detector not in room of origin		
Alerted public - detector not in room of origin		
Detector not in room of origin - Other		
<hr/>		
Detector Not in Room operated AND was EFFECTIVE	Monitored or inbuilt detection system operated and alerted agents/occupants	
Detector operated - not classified above	Discontinued 27/8/2014	
Detector operated, but occupants failed to respond	Discontinued 27/8/2014	
Detector operated, but was not a factor in discovery of fire	Discontinued 27/8/2014	
Did not operate - detector not in room of origin		
System operated AND was EFFECTIVE	Discontinued 27/8/2014	
<hr/>		
System operated but was INEFFECTIVE	Discontinued 27/8/2014	
Unable to classify	Discontinued 27/8/2014	
<hr/>		

Purpose

Used to determine if the Fire Detector was effective or ineffective, based on its position in relation to the fire. Used alongside Fire Detect Type and Fire Detect Failure to determine the type of detector and why it may have performed or failed.

Fire Detect Failure

Definition

Defined as the reason why a Fire Detector failed to detect a fire, if applicable.

Fire Detect Failure	
Fire Detect Failure	Details
Battery flat or removed	
Defective detector	
Defective discharge head or outlet	
Detector not in room of origin	
External Power Supply failed	Includes power shut off or disconnected
Extinguishing agent discharged – did not reach fire	
Extinguishing system piping damaged or blocked	
Improper installation/Placement of detector	
Inadequate maintenance	
No discharge heads/detectors in room or space of fire origin	
Suppression system overwhelmed by fire	
System shut down	
System tampered with	
Unable to Classify	
Unknown	
Water in system	
Wrong extinguishing agent applied to fire	E.g., sprinkler system on an oil fire. This code is not generally used, as an alarm system applying an extinguishing agent has still detected the fire

Purpose

To provide additional details on why Fire Detector/s failed.

Fire Type

Definition

Additional clarification on the type of fire that occurred. This variable is only populated if the incident type is set to "Other Fire – not classified above". Consists of both a numerical reference code and a categorical string. Categories include:

Fire Type	
Fire Type	Details

Barbecue Fire

Barbecue Fire: Gas

Bonfire, Camp Fire

Camp fire

Gas cooking, Gas Camping Stove fire

Hangi, Umu fire, Cultural cooking fire

Incendiary device

Other fire – not classified above

Outside fire: Material burnt has definable value

Purpose

Further helps define the type of fire/cause when “Other Fire” is selected.

Num Floors

Definition

The number of floors in the building from ground upwards where the ground floor is 1, does not include basement levels.

Purpose

Provides information about the structure. Can be used to determine the size of the building alongside Number Basements.

Number Basements

Definition

The number of basement levels of the building.

Purpose

Provides information about the structure. Can be used to determine the size of the building alongside Number Basements.

Building Age

Definition

The age group when the building was constructed. The date ranges align approximately with updates in laws/regulations relating to fire safety, such as Building Regulations 1992. Consists of both a numerical reference code and a categorical string. Categories include:

Building Age	
Age periods	Details
Pre 1900	

1900-1945

1946-1969

1970-1991

1992-2005

2006 onwards

Unknown

Purpose

To determine the age of the building, and which building laws it was built under. Can be used alongside Construction Type and Number floors/Number basements to determine details about the building and how flammable it may be.

Construction Type

Definition

The method and materials by which the structure was built (if applicable). Consists of both a numerical reference code and a categorical string. Categories include:

Construction Type	
Construction Type	Details
Brick, Blocks, etc.	
Heavy timber	Discontinued 30/6/2000
Metal frame protected	
Metal frame unprotected	
Plastic Construction: Composite formed	
Polystyrene Blocks	
Reinforced concrete tilt slab	
Reinforced concrete with combustible cladding	
Timber frame protected	
Timber frame unprotected (normal housing)	
Unable to classify	Known, but does not fit within this classification structure
Unknown	Was not able to be determined

Purpose

To determine the condition of the building and how flammable it may have been.

Damage Flame

Definition

The extent of damage to the building caused by the flames. Consists of both a numerical reference code and a categorical string. Categories include:

Damage Flame	
Damage Flame	Details
No damage of this type	
Confined to object of origin	
Confined to part of room or area of origin	
Confined to room of origin	
Confined to fire cell of origin	Fire cell refers to the area contained by nonflammable material/fire doors, etc..
Confined to floor of origin	
Confined to structure of origin	
Extended beyond structure of origin	

Purpose

Used to determine the severity of the fire.

Damage Smoke

Definition

The extent of damage to the building caused by the smoke. Consists of both a numerical reference code and a categorical string. Categories include:

Damage Smoke	
Damage Smoke	Details
No damage of this type	
Confined to object of origin	
Confined to part of room or area of origin	
Confined to room of origin	
Confined to fire cell of origin	Fire cell refers to the area contained by nonflammable material/fire doors, etc..
Confined to floor of origin	
Confined to structure of origin	
Extended beyond structure of origin	

Purpose

Used to determine the extent of damage caused by smoke from the fire.

Damage Water

Definition

The extent of damage to the building caused by water that was used for fire suppression. Consists of both a numerical reference code and a categorical string. Categories include:

Damage Water	
Damage Water	Details
No damage of this type	
Confined to object of origin	
Confined to part of room or area of origin	
Confined to room of origin	
Confined to fire cell of origin	Fire cell refers to the area contained by nonflammable material/fire doors, etc..
Confined to floor of origin	
Confined to structure of origin	
Extended beyond structure of origin	

Purpose

Used to determine the extent of water damage resulting from firefighter actions or sprinkler systems.

Fire Size

Definition

A subjective evaluation of the size of the vegetation fire as either Small, Medium, or Large. Small is considered the size of a tree, pile, or hedge, Medium is less than 0.5 hectares, while Large is greater than 0.5 hectares.

Purpose

Can help distinguish the severity of vegetation fires.

Total Area

Definition

The approximate square metrage of area damaged by fire. This value is only present for vegetation fires.

Purpose

To compare the coverage of different vegetation fires.

Spread Extent

Definition

The extent of the spread of the hazardous substance when FENZ staff arrived on site. Consists of both a numerical reference code and a categorical string. Categories include:

Spread Extent	Details
Spread confined to vehicle/equip/object of origin	
Spread confined to room of origin	
Spread confined to level of origin	
Spread confined to structure of origin	
Spread confined to property of origin	
Spread not confined to property of origin	
Unable to classify	

Purpose

Used to determine how much the hazardous substance had spread.

Wind Direction

Definition

The wind direction at the location of the hazardous substance when FENZ staff arrived on site. Consists of both a numerical reference code and a categorical string. Categories include:

Wind Direction	Details
East	
No wind	
North	
Northeast	
Northwest	
South	
Southeast	
Southwest	

Purpose

Used to help determine the influence of the wind on the spread of hazardous substance spills.

Wind Speed

Definition

The wind speed at the location of the hazardous substance when FENZ staff arrived on site. This is a subjective assessment made by the staff on the scene. Consists of both a numerical reference code and a categorical string. Categories include:

Wind Speed	
Wind Speed	Details
Calm	
Gale	
Light Breeze	
Moderate Breeze	
Strong Breeze	

Purpose

Used to help determine the influence of the wind on the spread of hazardous substance spills.

Advice Sought

Definition

Whether information or advice was sought to manage the hazardous substance. Consists of a simple Y/N (Yes/No) category.

Purpose

To determine whether advice was sought for the response to a hazardous substance incident.

Primary Advice

Definition

The primary source from which information or advice was sought to manage the hazardous substance. Primary in this instance referring to the first person contacted by FENZ staff. Consists of both a numerical reference code and a categorical string. Categories include:

Primary Advice	
Primary Advice	Details
Advice from person/source not connected to product	
Company/agent/rep of product causing incident	
Documentation at incident	
Fire service information	
Government department/local body representative	

Hazchem

No specialised information sought

Unable to classify

Purpose

To determine who was consulted with in relation to managing the hazardous substance.

Secondary Advice

Definition

The secondary party from whom information or advice was sought in relation to managing the hazardous substance, if any. Secondary in this instance referring to the second person contacted by FENZ staff. Consists of both a numerical reference code and a categorical string. Categories include:

Secondary Advice	
Secondary Advice	Details
Advice from person/source not connected to product	
Company/agent/rep of product causing incident	
Documentation at incident	
Fire service information	
Government department/local body representative	
Hazchem	
No specialised information sought	
Unable to classify	

Purpose

To determine what additional party may have been contacted for information or advice in relation to managing the hazardous substance.

Contamination

Definition

The type of environment contaminated by the hazardous substance, if any. Consists of both a numerical reference code and a categorical string. Categories include:

Contamination	
Contamination	Details
Air/Ground/Sea Water: Air only	
Air/Ground/Sea Water: Ground only	

Air/Ground/Sea Water: No contamination	
Air/Ground/Sea Water: Sea water only	
Air/Ground/Water: rivers, streams, creeks	
Combinations of Air, Ground or moving Water	
Combinations of Air, Ground or Water Reservoirs	Note that two codes have been used with the same label at different times (codes 44 and 50).
Combinations-Air/Ground/Water - Sea	
Combinations-Air/Ground/Water - swamps	
Combinations-Air/Ground/Water lakes	
Combinations-Air/Ground/Water swamps	
Combinations-Air/Ground/Water: Air and ground	
Combinations-Air/Ground/Water: Air, ground, lakes	
Combinations-Air/Ground/Water: Air, sea water	
Fresh Water: Lakes only	
Fresh Water: Reservoirs only	
Fresh Water: Rivers, streams, creeks	
Fresh Water: Swamps only	
Ground and Water: Ground, sea water	
Ground and Water: Lakes only	
Ground and Water: Reservoirs only	
Ground and Water: Rivers, streams, creeks	
Ground and Water: Swamps only	
Unable to classify	

Purpose

To help determine what the hazardous substance contaminated.

Population Dens

Definition

The land use and population density of the area contaminated by the hazardous substance. Consists of both a numerical reference code and a categorical string. Categories include:

Population Dens	Details
Population Dens	
Commercial: Low density	

Commercial: Medium Density

Commercial: High density

Industrial: Low density

Industrial: Medium Density

Industrial: High density

Residential: Low density

Residential: Medium density

Residential: High density

Rural

Semi rural: Industrial

Semi rural: Residential

Unknown

Purpose

To determine the extent of effects of the hazardous substance contamination on the people in the surrounding area.

Substance Type

Definition

The type of hazardous substance. Categorised as either Biological or Chemical.

Purpose

Helps to determine whether the hazardous substance is biological or chemical in nature.

Agency In Attendance

Definition

The agency/agencies in attendance of the hazardous substance spill or leak. Consists of both a numerical reference code and a categorical string. Categories include:

Agency in Attendance	
Agency in Attendance	Details
Civil Aviation Authority	
Environmental Protection Authority (EPA)	
Maritime New Zealand	
Ministry of Health	
New Zealand Police	
New Zealand Transport Agency	

No Other Agency

Other – not classified above

Territorial authorities and regional councils

Worksafe New Zealand

Purpose

To determine what other agencies were involved in dealing with the hazardous substance.

False Alarm Cause

Definition

The cause of a false alarm being activated. Consists of a wider Group category, a numerical reference code, and a categorical string. Categories include:

False Alarm Cause

Group	False Alarm Cause Name	Details
Building Usage		
	Aerosol spray	e.g. from painting or other work process
	Dust or power released during work process	
	Forklift operation	
	Fumes from chemicals released during work	
	Fumes from food processing	
	Fumes from fumigation activities	
	Fumes from hot work or machinery released during work	
	Fumes from toasters	
	Fumes from vehicles	
	Smoke from smokers	
	Steam	e.g. from bathroom, sauna, steam room, boiler
	Vehicle	
	Water vapour/mist	e.g. from water blasting
Equipment		
	Broken pipe	
	Call point damaged	
	Call point, no glass in box	
	Defect detector - corrosion	

Defect detector - failed head	
Defect detector - water in detector	
Defect fire alarm panel	
Defect sprinkler head	
Defect system wiring	
Flat battery	
System water pressure drop	
External Environment	
Barbeque or other outside fire.	
Genuine fire in the vicinity	
Lightning	
Mains water pressure increase	
Power surge	
Radio interference	
Wind	
Human Intervention	
Accidental alarm activation by other than service agent	
Accidental alarm activation by service agent	
Alarm activation caused by non-fire related criminal activity	
Lights mistaken for fire	
Malicious activation(detector tampered with)	
Malicious activation(no sign of fire, no one in attendance)	
Smell of smoke	
Steam or dust mistaken for smoke	
Animals	e.g. insects, birds, rodents
Dirt or dust	
Flooding or water leaks	
High air flow/draughts	
Preflame condition of over heating (not toaster)	
Other	
No apparent cause	

Purpose

To determine why a false alarm was triggered.

Good Intent Type

Definition

The reason that a false alarm occurred, if the person raising alarm had good intent. Good intent means that the person genuinely believed there to be a fire or emergency requiring FENZ response. Consists of both a numerical reference code and a categorical string. Categories include:

Good Intent Type	
Good Intent Type	Details
Authorised controlled burn	
Burglar or other alarm mistaken for fire alarm	
Call cleared prior to arrival	
Call in the vicinity of another fire	
Hazardous substance no action taken	
Lights thought to be fire	
Other – Not classified above	
Rescue no action taken	
Smell of smoke	
Steam, Dust, etc. mistaken for smoke	
Unauthorised controlled burn	
Wrong locality	

Purpose

False alarms can often be called in/call points set off by members of the public that believe there is an emergency occurring when there is not, or when the situation does not require FENZ response. This measure helps determine the reason that the member of the public believed there was a fire or other emergency.

Appendix Tables

General Property Use

General Property Use		
Group	Specific Use	Details
Commercial, Retail, Manufacturing, Storage		
	Commercial - not classified above	
	Industrial, Manufacturing	
	Office, Bank, Embassy, Fire/Ambo/Police station	
	Restaurant, Pub, Tavern	
	Service/Repair, Dry cleaner, Laundry, Workshop	
	Shop, Mall, Supermarket, Gas station, Sales, Other	
	Storage, Warehousing	
Communications, Research		
	Communications, Research - not classified above	
	Laboratory, Research use	
	Studio: Radio, TV	
	Telephone exchange, Communications use, Data processing	
Construction, Renovation		
	Construction, Renovation - not classified above	
	Construction, Renovation, Demolition site	
	Vacant building, Section	
Educational		
	Educational, Health, Institutional - Other	
	School: Pre-school through to Secondary/High	
	University, Polytech, Other post-secondary venue	
Health, Institutional		

Doctors/Dentists emergency clinic, Medical centre
Educational, Health, Institutional - Other
Hospital, Hospice, Rest home, Rehab centre
Prison, Correctional institution
No Address
Non existent address
Other
Defence, Military use
Mine, Quarry, Oil well
Public Toilet
Unable to classify
Recreational, Assembly
Church, Cemetery, Religious use
Community hall
Library, Museum, Art gallery, Court etc
Marae, Maori Culture use
Passenger terminal
Recreational use, Theatre, Indoor sports, Pool, Park, Zoo, Aquarium
Recreational, Assembly - not classified above
Sports club, Health club
Sportsfield, Stadium
Residential
Boarding/Halfwayhouse, Dorm, Homestay/Backpacker
Flat, Apartment, Home unit
Hotel, Motel, Lodge, Timeshare
Residential - not classified above
Single house
Rural, Farming, Forests
Commercial forestry
Conservation, Recreation park, Reserve
Farming, Horticulture, Agricultural use

Lifestyle block
Open land
Rural - not classified above
Transportation
Airport
Railway property
Road, Street, Motorway
Utilities, Disposal
Power station
Rubbish tip, Transfer station, Haz Waste disposal
Water Areas
Stormwater, Harbour, Lake, River, Beach/Waterfront

Specific Property Use

Specific Property Use		
Group	Specific Use	Details
Agriculture, Horticulture	Agriculture, Horticulture – not classified above	
	Apiary: Bees	
	Cereal	
	Farm: Dairy, Beef	
	Farm: Deer	
	Farm: Fish	
	Farm: Goat	
	Farm: Mixed animals	
	Farm: Pig	
	Farm: Poultry	
	Farm: sheep	
	Farm: Stud, Horse, Cattle	
	Flower	
	Mixed crops	

Orchard	
Primary Industries & Utilities Property – other	
Storage open: Bard, Silo, Bin, Bulk/loose	
Tobacco growing	
Unknown	
Vegetables	
Winery, Vineyard, Cider	
Aircraft Area	
Airport terminal	
Heliport, Helipad	
Runway	
Taxiway, Loading/Parking area, Maintenance area	
Tower/Site: Radio, Microwave, Repeater, Satellite	
Boarding, Half-Way House, Dormitory	
Boarding house	
Boarding, Half-way house, Dormitory - Other	
Bunk house, Workers barracks	
Half-way house	
Military forces, Police barracks	
Nurses home	
Residential Property - not classified above	
University/School accommodation or Dormitory	
Care of the Intellectually Handicapped	
Community Care eg. IHC institution or similar	Any building where care is given via community-based organisations.
Community Care or similar	An old code, discontinued on 1/3/2004
Healthcare & Institutional Property - Other	
Psychiatric institution	

Drug, Alcohol, Substance abuse rehab centre

Healthcare & Institutional Property - Other

Physical rehabilitation facility

Spinal unit

Care of the Sick and Injured

Abortion clinic

Accident and emergency clinic

Community or Occupational Health,
Physiotherapy

Doctors, Dental, Physio, or other medical
centre

General hospital: Public and private

Healthcare & Institutional Property - Other

Hospice

Maternity hospital

Veterinary clinic

Care of the Young

Childrens health camp

Childrens home, Orphanage

Foster home

Healthcare & Institutional Property - Other

Church, Place of Worship

Church hall, Whare karakia

Church, Chapel, Synagogue, Mission

Funeral home/parlour

Clothing, Shoe, Fabric Shops

Clothing shop: New and used

Commercial Property - not classified above

Fabrics, Wool shop

Leather goods, Fur shop

Shoe shop

Tailor, Dressmaker

**Communication and Data
Processing**

Communication control room, Control centre	e.g., Fire, Police, Ambulance, Civil defence
Data processing centre	
Primary Industries & Utilities Property - other	
Telephone exchange	
Tower/Site: Radio, Microwave, Repeater, Satellite	
Community Hall	
Assembly Property - not classified above	
Community hall, Scout hall, Girl Guide hall	
Conservation, Recreation area	
Conservation park	
Conservation, Recreation area - Other	
National park	
Reserve	
Department store, Shopping mall	
Commercial Property - not classified above	
Department store	
Shopping mall	
Flat, Home Unit, Apartment	
Flat, Apartment, Unit - unknown or undetermined	Discontinued on 1/7/2000
Flats, Apartments, Units 1 to 2	
Flats, Apartments, Units 11 to 20	
Flats, Apartments, Units 21 to 30	
Flats, Apartments, Units 3 to 10	
Flats, Apartments, Units 31 to 40	
Flats, Apartments, Units over 40	
Residential Property - not classified above	
Food and Beverage Sales	
Commercial Property - not classified above	
Dairy, Butcher, Fish shop, Bakery, Other food shop	

Food and beverage sales - not classified above
Food and beverage sales - unknown or undetermined
Liquor store
Nightclub
Pub, Tavern, Inn
Restaurant, Cafeteria, Diner
Sportsclub with restaurant
Supermarket: Over 1000 m2
Supermarket: Under 1000 m2, Superette, Market
Takeaway bar, Lunch bar, Fish and chips, Fast food
Baking powder, Yeast, Vinegar, Spices, Tea, Salt
Bread, Bakery products, Biscuits, Pies etc
Brewery, Beer making, Malt production
Canning, Packaging, Preserving or Dehydrating Food/Juice
Canning, Packaging, Preserving: Fish, Seafood
Cooking oils, Margarine, Edible fats
Manufacturing Property - not classified above
Milk, Ice cream, Cheese, Butter, Dairy products
Milling: Flour, Grain, Rice, Cereals
Potato chips, Snack foods etc
Slaughter, Meat works, Meat prep, Meat preserving
Soft-drinks, Flavourings
Spirits distilling, Blending
Sugar refining, Syrups, Chocolate, Cocoa, Lollies
Winery, Vineyard, Cider
Forest
Douglas-fir stand

Eucalypt stand		
Exotic	Discontinued on 1/7/2000	
Mixed		
Native	Discontinued on 1/7/2000	
Other hardwood stand		
Other softwood stand		
Primary Industries & Utilities Property – other		
Radiata pine stand		
Single tree, Hedge	Discontinued on 1/7/2000	
Furniture, Furnishing, Appliance, Sales, Repairs		
Appliances, Electronic goods		
Carpet, Rug shop		
Commercial Property - not classified above		
Furniture shop: New and used		
Furniture, Appliance, Sales, Repairs - Other		
Paint, Wallpaper shop		
Upholstery, Furniture repair shop		
General Storage		
Freight terminal, Freight forwarding, Wharf shed		
Mixed goods storage, Warehouse		
Storage Property - not classified above		
Hotel, Motel, Lodge		
Hotel, Motel, Lodge: With liquor licence		
Hotel, Motel, Lodge: Without liquor licence		
Residential Property - not classified above		
House		
House - not classified above		
Residential Property - not classified above		
Single house		
Laboratory		

Laboratory: Agricultural	
Laboratory: Educational, Psychological	
Laboratory: Electrical, Electronic	
Laboratory: Illegal substance(eg.Meth), Clandestine	Any laboratory where product manufactured is illegal.
Laboratory: Materials testing	
Laboratory: Medical, Chemical, Biological	
Laboratory: Not classified above	
Laboratory: Radioactive materials	
Primary Industries & Utilities Property - other	
Library, Museum, Art Gallery, Courtroom	
Courtroom	
Historic building	
Library	
Monument	
Museum, Art gallery, Planetarium	
Parliament	
Manufacture: Clothing, Footwear, Luggage	
Manufacture: Bag, Luggage	
Manufacture: Clothing, Knitwear, Hat	
Manufacture: Footwear	
Manufacture: Umbrella, Walking stick	
Manufacturing Property - not classified above	
Manufacture: Metal, Metal Products, Electrical Machinery	
Manufacture: Electrical or electronic Equip/Batteries	
Manufacture: Iron, Steel (raw products)	
Manufacture: Machinery, Engines, Parts	
Manufacture: Metal products or processes, Galvanising, Welding	
Manufacture: Other metals (raw products)	

Manufacturing Property - not classified above

Manufacture: Mineral Products

Manufacture: Bricks, Clay tiles, Clay pipes, Pots

Manufacture: Cement

Manufacture: Glass products, Optical , Fibreglass

Manufacture: Plaster/Gypsum board, Stone products

Manufacture: Pottery, China, Earthenware

Manufacturing Property - not classified above

Manufacture: Concrete materials, blocks, tiles

Manufacture: Paint, Drug, Asphalt, Petroleum, Plastics, Chemicals

Manufacture: Asphalt, Tar, Coal, Briquettes etc

Manufacture: Drug, Medicine, Cosmetic, Perfume

Manufacture: Industrial chemicals & gases (non-haz)

Manufacture: Other industrial chemicals(hazardous)

Manufacture: Paint, Varnish, Inks, Wax, Adhesive

Manufacture: Plastic finished products

Manufacture: Plastic raw materials

Manufacturing Property - not classified above

Petroleum refinery, Natural gas plant, oil, grease

Manufacture: Textile, Leather, Rubber

Bleaching, Dyeing

Manufacture: Natural Materials, Wool, Cotton, Silk

Manufacture: Rope, Twine, Net making, Cordage

Manufacture: Rubber, Rubber products

Manufacture: Straw, Coir, Fibre recovery

Manufacture: Synthetic Fabrics, Nylon, Rugs, Other
Manufacture: Textile, Leather, Rubber - other
Manufacture: Vinyl, Lino, Cork, synthetic floors
Manufacturing Property - not classified above
Tannery
Manufacture: Tobacco, Soap, Animal, Vegetable Oil
Manufacture: Soap, Detergents, Cleaning products
Manufacture: Tobacco products
Manufacturing Property - not classified above
Manufacture: Vehicle, Bicycle, Boat, Aircraft, Rail
Manufacture & Repairs: Trains, Wagons, Rail equip
Manufacture, Assembly: Vehicles, Trailers, Parts
Manufacture, Repair, Parts: Aircraft, Gliders
Manufacture, Repair: Bicycle, Tricycle, Pedicab
Manufacture/Repair:Boats <20m Parts, Engine, Drydock
Manufacture/Repair:Boats>20m Parts, Engines, Drydock
Manufacture: Forklift, Tractor, Bulldozer, Mobile Crane
Manufacturing Property - not classified above
Manufacture: Wood, Cane Products, Paper Printing Products
Kitset, Modular, Prefab. Buildings
Manufacture: Paper, Pulp, Cardboard
Manufacture: Book, Newspaper, Magazine, Journal
Manufacture: Box, Crate, Carton, Barrel, Basket
Manufacture: Furniture, Bedding
Manufacturing Property - not classified above

Printing, Typesetting, Photoengraving, Engraving
Sawmill, Wood components, Tanalising, Prefab parts
Mine, Quarry, Oil Well
Mine: Coal
Mine: Ore, Gold, Other metal
Oil well, Oil shale, Natural gas well
Primary Industries & Utilities Property - other
Quarry: Stone, Rock, Gravel, Slate, Clay
Salt: Refining and production
Mobile Property Storage and Parking
Aircraft hangar
Heavy machinery, Road, Farming, Contracting, Snow
Marina, Boat park, Boatshed
Private fleet carpark: Car, Bus, Truck (1 level - covered)
Private, Fleet carpark: Uncovered
Public carpark: Multi-storied above ground
Public carpark: Multi-storied below ground
Public carpark: Multi-story above and below ground
Public carpark: Single level - covered
Public carpark: Uncovered
Railway storage, Locomotive shed
Storage Property - not classified above
Non-existent address
Non-existent address
Office, Commercial Premise
Bank, Post bank
Commercial Property - not classified above
Embassy, Consulate
Fire station, Ambulance station
Mailing firm

Office, Commercial premises - not classified above

Office: General business

Photocopying, Fast print shop

Other Shops

Art supply

Bags, Luggage

Book, Magazine, Stationery, Office supplies

Camera, Photographic equipment

Chemist, Pharmacy

Commercial Property - not classified above

Fireworks, Explosives

Florist

Garden centre

Gifts, Souvenirs

Hairdresser, Beauty salon, Barbers shop

Hardware shop

Jewellery, Glassware, China

Lawnmowers, Bicycles

Massage parlour, Strip club

Music, Records, CDs, DVDs

Optician

Other shop - not classified above

Pet shop

Post shop

Sports goods, Gun shop, Camping equipment

Timber supply

Toy shop

Video hire, DVD hire

Outdoor Area

Campsite, Caravan site, Campervan park

Cemetery, Uruupa (Maori burial site)

Golf course

Lawn area, Backyard, Garden area, Patio area
Open land
Rifle range, Shooting gallery
Roadside vegetation
Vacant section
Passenger Terminal
Airport terminal
Bus terminal
Ferry, Marine terminal
Heliport, Helipad
Railway station
Power Station, Energy Production
Power station: Coal
Power station: Gas, Diesel
Power station: Geothermal, Steam
Power station: Hydroelectric
Power station: Wind, Wind turbine
Primary Industries & Utilities Property - other
Prison, Correction Institution
Healthcare & Institutional Property - Other
Police station: No cells, Periodic detention centre
Police station: With cells
Prison: Mens
Prison: Womens
Young persons detention, Borstal
Railway Property
Manufacture & Repairs: Trains, Wagons, Rail equip
Rail siding
Rails and tracks
Railway station
Railway yard

Signal box, Switch gear building

Recreational Place: Fixed
Use

Billiard, Pool centre

Cinema, Picture theatre

Ice skating, Ice hockey

Indoor sports centre

e.g. Indoor cricket,
netball

Live theatre

Recreation places: Fixed use - Other

Rifle range, Shooting gallery

Roller skating rink

Swimming pool, Spa pool

Includes: Changing
rooms

Ten pin bowling alley

Video games, Housie, Amusement centre

Zoo, Aquarium

Recreational Place: Variable
Use

Auditorium, Concert hall

Exhibition hall

Grandstand, Stadium, Sportsfield

Gymnasium, Ballroom, Dance hall

Playground, Park, Amusement park

Recreation places: Variable use - Other

Wharekai - Cultural dining room

Wharenui - Cultural meeting house

Residential Outbuilding,
Shed, Garage

Carport

Childrens playhouse

Dog kennel, Aviary, Cage, Other animal
enclosures

Garage

Garden shed, Other shed

Gazebo, Marquee	Residential Structures - Outbuildings.
Glasshouse, Shadehouse	
Pool house, Spa pool	
Residential outbuilding - not classified above	
Residential Property - not classified above	
Tent, Sleepout	Tent or Sleepout as a residential structure. For Marquee's, use "Gazebo"
Rest Home, Old Person's Home	
Healthcare & Institutional Property - Other	
Rest home: With nursing care	
Rest home: Without nursing care	
Road, Street	
Motorway	
Private road, Driveway	
Public road, Street, Footpath	
Road, Street - not classified above	
Rubbish Tip, Transfer Station	
Hazardous waste disposal	
Private tip	
Public tip	
Recycling bin	Includes: Clothing, Glass, etc.
Rubbish tip, Transfer station - Other	
Rubbish transfer station	
Sewage disposal	
Storage: Recycled paper	
School: Miscellaneous Educational Property	
Community Care eg. IHC institution or similar	Any building where care is given via community-based organisations.

Education Property - not classified above

School for the blind, School for the deaf

School: Non Residential

Area school: Combination of years 1 - 13

Day care centre, Playcentre, Creche

Education Property - not classified above

High school, College

Intermediate school

Kindergarten, Pre-school centre, Te Kohanga Reo

Primary school

School: Residential and Boarding

Education Property - not classified above

Intermediate/high school classroom building

Primary/intermediate classroom building

School classroom building - Any Year 1 - 13

School: Trade, Business

Business or Language school, other specialty school

Education Property - not classified above

Polytech, Nursing, Agricultural, Vocational school

School: Trade, Business - not classified above

Teachers training college

Special Structures

Bridge, Viaduct

Bus shelter

Chairlift, Ski lift, Cable car, Gondola

Contractors shed

Fence

Kiosk

Lamp post, Telephone pole, Power pole

Mailbox

Portaloo

Public toilet	
Recycling bin	Includes: Clothing, Glass, etc.
Special structure - not classified above	
Telephone box, Booth	
Ticket office, Toll booth	
Tunnel	
Sport, Health Club	
Billiard, Pool centre	
Ice skating, Ice hockey	
Indoor sports centre	e.g. Indoor cricket, netball
Rifle range, Shooting gallery	
Roller skating rink	
Sports clubroom: Rugby, Athletics, Boating, YMCA etc	
Sportsclub with restaurant	
Swimming pool, Spa pool	Includes: Changing rooms
Ten pin bowling alley	
Storage: Food, Beverage, Hay, Crops	
Cool store	
Storage open: Barn, Silo, Bin, Bulk/loose	
Storage Property - not classified above	
Storage, Warehousing: Mixed foodstuffs	
Storage: Bagged, Baled, Boxed, Packaged, Other	
Storage: Canned, Bottled	
Storage: Frozen food, Freezer	
Storage: Grain elevators	
Storage: Metal, Metal Products, Machinery and Electrical	
Car wrecker, Scrapyard	
Machinery	

Storage Property - not classified above
Storage: Electrical appliance components/equipment
Storage: Finished metal product, Tool
Storage: Metal parts, Construction, Auto, Plumbing, Mesh
Storage: Raw metal product
Storage: Mineral Product
Storage Property - not classified above
Storage: Brick, Clay tile, Clay pipe, Pots
Storage: Cement
Storage: Concrete block, Tile, Building material
Storage: Glass, Glass product, Optical or Fibreglass
Storage: Mineral product - not classified above
Storage: Plaster/Gypsum Board, Stone products
Storage: Pottery, China, Earthenware
Storage: Paint, Drug, Asphalt, Chemical, Plastic
Storage Property - not classified above
Storage: Agri chemicals, Fertilisers, Weedkillers
Storage: Asphalt, Tar, Coal, Briquettes etc
Storage: Explosives
Storage: Lawful Drugs, Medicine, Cosmetics/Perfume
Storage: Miscellaneous and mixed chemical
Storage: Paint, Varnish, Ink, Wax, Adhesive
Storage: Photographic film, X-ray film
Storage: Plastic, Plastic product
Storage: Petroleum Products
Storage Property - not classified above
Storage: Bulk flammable liquids
Storage: CNG

Storage: LPG
Storage: Petroleum Packaged, Plastic, Tins, Bottles
Storage: Textile, Leather, Rubber
Storage Property - not classified above
Storage: Cloth, Yarn
Storage: Clothing, Finished textiles
Storage: Cotton (baled)
Storage: Flax, Hemp, Jute, Sisal, Mixed fibre
Storage: Leather, Fur, Hair or Animal skin products
Storage: Rubber, Rubber products
Storage: Silk, Other natural textiles
Storage: Wool (baled)
Storage: Wood and Paper
Storage Property - not classified above
Storage: Firewood
Storage: Logs, Wood chips, Bark, Mulch
Storage: Paper products, Cartons, Bags
Storage: Pulp paper
Storage: Recycled paper
Storage: Rolled paper
Storage: Wood products, Wooden components
Timberyard
Studio, Radio, Film Production
Artists studio
Film production studio
Radio, TV studio
Supplies and Services
Commercial laundry
Commercial Property - not classified above
Dry cleaner

Hotel supply, Restaurant, Hospitality goods
Laundromat
Professional supply, Instruments, Equipment
Property maintenance, pest control etc
Supplies and services - not classified above
Trade supply
Unable to Classify
Unable to classify
University
Education Property - not classified above
University lecture room, Medical, Dental or Vet school
Utilities and Energy Distribution
Pipeline: Flammable liquid
Pipeline: Gas
Pipeline: Steam, Hot water
Primary Industries & Utilities Property - other
Sub-station, Transformers, Power lines
Utilities and energy distribution - Other
Water supplies: Reservoir, Tank, Treatment centre, Pipes
Vacant Building, Construction Site
Building under construction
Building under demolition
Building under renovation
Structure under construction
Structure under demolition
Structure under renovation
Vacant building
Vehicle, Boat, Sales Service
Boats, Outboards, Chandlery, Marine accessories
Car, Truck, Bus, Vehicle wash

Commercial Property - not classified above
Marine refuelling
Mechanical repair, Auto-electrician, Paint & Panel
Service station: Private
Service station: Public
Vehicle accessories
Vehicle, Boat sales service - not classified above
Vehicle/Motorcycle/Trailer sales, Farm machinery
Water Area
Beach, Coastal shoreline
Ferry, Marine terminal
Harbour, Inlet
Stormwater drain, Culvert
Stream, River, Canal, Pond, Lake
Water areas - not classified above
Wharf, Jetty, Pier

Equipment Involved

Equipment Involved		
Group	Equipment Name	Details
Air Conditioning Unit	Central air conditioning	
	Dehumidifying air conditioning	Air conditioning unit designed to dehumidify.
	Fixed air conditioning	Fixed, Stationary air conditioning unit
	Portable air conditioning	
Arc and Oil Lamp	Arc lamp	
	Arc lighting motion projector	
	Gas mantle	
	Lantern for recreational use	

Oil lamp

Barbecue, Open Fire Grill

Barbecue grill: Electric

Barbecue grill: Gas fuelled

Barbecue grill: Solid fuelled

Brazier

Charcoal grill

Power device - portable gas cylinder Portable gas cylinders, inc. CNG or LPG.

Battery Related Fire

Battery charger/transformer, conditioner or small power banks for charging small devices like phones

Battery Dry cell disposable (e.g. single use batteries)

Battery Dry cell rechargeable (e.g. Lithium Ion or NiCad) e.g. Lithium ion and typically used in phones, laptops, power tools, toys etc

Battery Energy storage system (e.g. solar or mains storage for buildings) typically used to supplement electricity supplies of buildings

Battery powered devices – other

Battery powered transportation (e.g. electric vehicle, scooter, bike etc) e-bikes, e-scooters, cars, trucks, motorbikes, mobility scooters etc

Battery Wet cell (e.g. 12v lead acid car battery)

Power device - battery/batteries Discontinued on 1/1/2020

Bearing and Brakes

Brake bearings

Brakes

Casting, Moulding, Forging Equipment

Dye casting machine

Forging equipment

Glass forming machine

Moulding machine

Central Heating Unit

Central air conditioning

	Electric central heating unit	Electric central heating unit
	Gas central heating unit	
	Oil or diesel fuel central heating unit	
Chemical Processing Equipment		
	Digester chemical processing equipment	
	Distilling chemical processing equipment	
	Reactor chemical processing equipment	
Coating Machinery		
	Electro-plating machine	
	Machine: Asphalt saturator, Bitumen or Paving spray	
	Plastic wrapping/vacuum packaging machine	
	Rubber spreading machine	
Conveyor or Escalator		
	Conveyer	
	Conveyer, Escalator - not classified above	
	Escalator	
Cooking Warming Unit: Portable		
	Portable bread maker	
	Portable camp stove: Electric	
	Portable camp stove: Gas fuelled	
	Portable cooking warming unit - Other	
	Portable corn popper	
	Portable crepe maker	
	Portable crock pot: Electric	
	Portable food dehydrator	
	Portable hot plate, electric frying pan	
	Portable mini oven: Electric	
	Portable pie warmer	

Portable toasted sandwich maker	
Portable toaster: Electric	
Portable toaster: Gas fuelled	
Portable waffle iron (electric),	
Power device - portable gas cylinder	Portable gas cylinders, inc. CNG or LPG.
Cord, Plug	
Christmas tree wiring	
Cord on appliance	
Cord on portable lamp	
Extension cord properly used	
Extension cord used in place of permanent wiring	
Multi box plug	
Plug (not a wall socket)	
Dryer	
Clothes dryer: Commercial	
Clothes dryer: Residential	
Drycleaning machine	
Hair dryer	
Hand dryer: Air, Towel	
Electronic Office Equipment	
Battery powered devices – other	
Calculator, Adding machine	
Computer disk drive or CPU	
Computer keyboard	
Computer laptops	
Computer monitor	
Computer printer	
Computer tablet devices	
Electric typewriter, Word processor	
Fax machine	
Paper shredder	

Photocopier

Fat Fryer: Deep

Electric deep fat fryer

LPG deep fat fryer

Mains gas deep fat fryer

Portable electric deep fat fryer

Flame torch and Welder

Arc welder

Bunsen burner

Cutting torch

Plumbers torch

Power device - portable gas cylinder Portable gas cylinders, inc. CNG or LPG.

Weed burner

Welding torch

Floor Care Equipment

Carpet shampoo machine

Floor polisher

Floor sanding machine

Vacuum (built in) cleaner

Vacuum cleaner (dry)

Vacuum cleaner (wet + dry)

Food Warming Appliance:

Fixed

Coffee maker, Cappuccino

Coffee urn, Fixed food warmer

Steam table, Bain-marie

Warming drawer Not an oven

Garden and Yard

Maintenance Equipment

Battery powered devices – other

Electric fence unit

Hedge trimmer: electric

Hedge trimmer: petrol

Lawnmower: electric	
Lawnmower: petrol	
Weed eater	
Heat Appliances:	
Portable Controlled	
Clothing iron	
Electric blanket	
Jug or kettle	
Portable controlled heat appliance -	
Other	
Power device - portable gas cylinder	Portable gas cylinders, inc. CNG or LPG.
Soldering iron	
Waterbed heater pad	
Heat Treating Equipment	
Furnace heat treating	
Quench tank	
Steriliser	
Heater: Portable	
Portable electric convector heater	
Portable electric fan heater	
Portable electric oil-filled column heater	
Portable electric radiant bar heater	
Portable electric space heater	
Portable gas fuelled heater	
Portable heater - not classified above	
Portable kerosene or oil heater	
Portable LPG heater	
Power device - portable gas cylinder	Portable gas cylinders, inc. CNG or LPG.
Heating Unit: Fixed,	
Stationary	
Bathroom towel rail - wall mounted heater	
Central air conditioning	

Electric convector - wall mounted heater	
Electric fan wall mounted heater	
Electric panel wall mounted heater	
Electric radiant bar - wall mounted heater	
Fixed stationary heating unit - Other	
Floor heating unit (electric thermo floor)	
Heater lamp (electric)	
LPG wall mounted heater	
Mains gas supply wall mounted heater	
Night store heater (electric)	
Solid fuelled central heating unit (Fireplace)	Includes Log burners
Space heater (electric)	
Incinerator	
Incinerator: Commercial	
Incinerator: Residential	
Kitchen Appliance: Food processing	
Electric can opener	
Electric knife	
Food mixer, Beater	
Food processor, Whizz	
Waste disposer	
Lighting Fixture, Lamp, Bulb	
Fluorescent light fixture	
Fluorescent Light, Compact (Energy Saver)	
Fluorescent tube/bulb (incl Sodium bulb)	
Halogen bulb/light	Halogen bulb or light.
Incandescent heat lamp	
Incandescent light bulb	

Incandescent light fixture	
Inside light sign	
Lamp holder	
LED lighting	LED lighting
Outside light sign	
Meter, Meter Box	
Meter	
Meter mounting equipment	
Smart Meter	
Motor, Generator	
Automatic garage door opener	
Electric motor: Over 1 hp	
Electric motor: Up to 1 hp	
Elevator, Lift motor	
Escalator motor	
Generator	
Travelator	
No Equipment Involved	
Information not recorded	
No Equipment Involved in Ignition	Use this if there was no equipment involved in the fire ignition.
Oven, Furnace, Kiln: Not food	
Evaporator	
Furnace	
Kiln	
Oven (not for food)	
Oven, Furnace, Kiln - not classified above	
Oven: Fixed or Stationary	
Microwave oven	
Oven: Electric (fixed or stationary)	
Oven: Liquid fuelled (fixed or stationary)	

Jigsaw
Ripping saw, Saw bench
Skill saw
Power Transfer Equipment
Battery powered devices – other
Power Plinth
Power transfer equipment - not classified above
Power Transfer: belts
Power transfer: blocks
Power transfer: cable
Power transfer: wire rope
Solar Panel
Press
Mechanical press
Printing press
Rectifier and Charger
Battery charger
Charger: Inverter
Charger: Rectifier
Refrigeration Equipment
Cold store refrigeration
Freezer: Commercial
Freezer: Residential
Fridge/freezer
Fridge: Commercial
Fridge: Residential
General refrigeration, Water cooling devices
Specialised Electronic Equipment
Anaesthetizing machine
Battery powered devices – other
Exchange equipment

Haemodialysis machine
Radar
Specialised electronic equipment - Other
Telephone: Cellular
Telephone: Cordless
Telephone: Fixed wire
Transmitter equipment
X-ray
Stove, Cook Top Unit, Range Top
Stove: Electric cook, Range top
Stove: Gas cook, Range top
Stove: Liquid fuelled cook, Range top
Stove: LPG cook, Range top
Stove: Solid fuelled cook, Range top
Switch, Socket
Wall type socket, Light switch, Wall switch
Wall type switch/outlet/powerpoint/plug (fixed)
Tar Pot and Tar Kettle
Tar kettle
Tar pot
Television, Radio, Music System
Amplifiers for sound and musical instruments
Battery powered devices – other
Decoding receiver eg Sky, Saturn Cable
Karaoke machine
Portable cassette, CD/DVD player, Electronic games
Radio
Record player

Stereo system, Home music centre	
Tape recorder	
Television	
Video player	
Tools: Working, Shaping and Machinery	
Drill	
Grinding equipment	
Knitting machine	
Lathe	
Loom	
Machining equipment	
Milling machine	
Planing equipment	
Saw	Excludes: Power saw
Weaving machine	
Working, Shaping, Machinery - not classified above	
Transformer and Associated Equipment	
Battery powered devices – other	
Transformer: Control type, Solenoid, Starter	
Transformer: Distribution type	
Transformer: Low voltage	Not more than 50 volts
Transformers & associated equipment - Other	
Transformers: Associated circuit breakers	
UPS (Uninterruptible Power Supply) & similar equip	Uninterruptible Power Supplies and similar equipment.
Unable to Classify	
Information not recorded	
Unable to classify	
Vehicle Part, Pump, Compressor	

Coil	
Compressor	
Distributor	
Exhaust system	
Fan belt	
Power device - portable gas cylinder	Portable gas cylinders, inc. CNG or LPG.
Pump	
Solenoid	
Spark plug	
Transmission equipment	
Vehicle electrical equipment	
Vehicle engine	
Vehicle fuel system	
Vehicle part, Pump, Compressor - Other	
Wheel, Tyre	
Vending Machine	
Cigarette/Confectionery/Can vending machine	
Drink dispenser, Drinking fountain	
Vending machine - not classified above	
Washing Machine	
Clothes washing machine: Commercial	
Clothes washing machine: Residential	
Dishwashing machine: Commercial	
Dishwashing machine: Residential	
Industrial cleaning machine	
Washing machine - not classified above	
Waste Recovery Equipment	
Recycling equipment	

Solvent recovery equipment

Water Heater

Electric water heater

Gas fuelled water heater

Oil or diesel fuel water heater

Power device - portable gas cylinder Portable gas cylinders, inc. CNG or LPG.

Solid fuelled water heater

Spa pool water heater (electric)

Spa pool water heater (gas fuelled)

Water heater - not classified above
