



Australasian Fire and Emergency  
Service Authorities Council

Australasian Incident  
Reporting Standard  
(AIRS)

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# Instructions for Incident Reporting

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BLOCK E  
– Version A.1

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Ignition All Fires

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**NOTE: These Items are required when the Type of Incident (A23) is coded 100 - 199.**

**E1 AREA OF FIRE ORIGIN**

E 1	Area of Fire Origin	E 2	Occupant of Ignition Area	E 3	Activity in Ignition Area	E 4	Form of Heat of Ignition	E 5	Ignition Factor
E 6	Type of Material Ignited First	E 7	Form of Material Ignited First	E 8	Equipment Involved in Ignition	E 9	Year of Manufacture		
E 1 0	Make	E 1 1	Model	E 1 2	Serial Number	E 1 3	Voltage		

**1.1 Definition**

The area within a property where the fire originated. The **Area of Fire Origin** is defined by its use at the time of the fire ignition.

**1.2 Purpose**

To identify the use of the location within the property where the fire originated. When cross-analysed with other Items, information indicating the cause and other factors may be determined.

**1.3 Implementation**

The **Area of Fire Origin** may be a room or part of a room, a space, a vehicle or portion of a vehicle or possibly some open area devoted to a specific purpose. **Area of Fire Origin** takes in that part of the **Fixed** or **Mobile Property** that is devoted to a specific use or process.

**Example**

An office building may be a **Complex**, a restaurant in that building may be the **Fixed Property Use**, and the kitchen of the restaurant, if that is where the ignition has taken place, is the **Area of Fire Origin**.

Table E1 details the codes for the **Area of Fire Origin** for this field. Select the most appropriate code from the table and complete the entry.

**Table E1 Area of Fire Origin Codes**

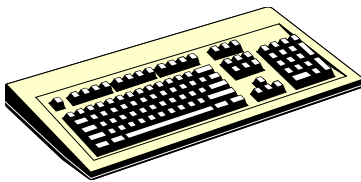
DIVISION	CODE	ORIGIN
<b>0</b>		<b>MEANS OF EGRESS</b>
	01	Hallway, corridor, mall
	02	Exterior stairway <i>Included are fire escapes and exterior ramps</i>
	03	Interior stairway <i>Included are interior ramps</i>
	04	Escalator
	05	Lobby, entrance way
	06	Fire-isolated escape route
	09	Means of egress not classified above
	00	Area of origin undetermined
<b>1</b>		<b>ASSEMBLY, SALES AREAS (GROUPS OF PEOPLE)</b>
	11	Large assembly areas with fixed seats (100 or more persons) <i>Included are auditoriums, chapels, places of worship, theatres, arenas, and lecture halls</i>
	12	Large open room without fixed seats (100 or more persons) <i>Included are ballrooms, gymnasiums, roller rinks, bowling alley lanes and multi-use areas</i>

DIVISION	CODE	ORIGIN
	13	Small assembly area with or without fixed seats (less than 100 persons) <a href="#">Included are classrooms, meeting rooms and multi-purpose rooms</a>
	14	Lounge area <a href="#">Included are living rooms, common rooms, TV rooms, dens, recreation rooms, family rooms, sitting rooms and music rooms</a>
	15	Sales, show-room area <a href="#">Included are shops</a> <a href="#">Excluded are display windows (see 56)</a>
	16	Library. <a href="#">Included are art galleries and museums</a>
	17	Swimming pools
	19	Assembly, sales areas not classified above
	10	Assembly, sales area; insufficient information available to classify further
<b>2</b>		<b>FUNCTIONAL AREAS</b>
	21	Sleeping room for under five persons <a href="#">Included are patient rooms, bedrooms, cells and lock-ups</a>
	22	Sleeping area for five or more persons <a href="#">Included are wards, dormitories and barracks</a>
	23	Dining area, lunchroom, cafeteria <a href="#">Included are dining rooms, mess rooms, canteens and beverage service bars</a>
	24	Kitchen, cooking area
	25	Lavatory, locker room, cloakroom
	26	Laundry room, area
	27	Office
	28	Personal service area
	20	Functional area; insufficient information available to classify further
<b>3</b>		<b>SPECIALISED AREAS</b>
	31	Laboratory
	32	Printing or photographic room, area
	33	First aid, treatment room <a href="#">Included are areas where minor surgery is performed</a>
	34	Operating room <a href="#">Included are recovery rooms and operating theatres</a>
	35	Electronic equipment room/area <a href="#">Included are control centres, radar rooms, electronic computer areas, data processing centres, telephone equipment rooms and telephone booths</a>
	36	Performance, stage area <a href="#">Included are backstage areas, dressing-rooms, ice rinks, boxing-rings and basketball floors</a>
	37	Projection room, area <a href="#">Included are stage light and spotlight areas</a>
	38	Process, manufacturing area
	39	Functional areas not classified above
	30	Functional areas; insufficient information available to classify further
<b>4</b>		<b>STORAGE AREAS</b>
	41	Product storage room or area, storage tanks, storage bin <a href="#">Included are all areas where products are held awaiting process, shipment, use or sale</a>
	42	Closet and small storage area
	43	Supply storage room or area <a href="#">Included are tool rooms and maintenance supply rooms</a>
	44	Records storage room, vault
	45	Shipping, receiving, loading area, loading dock <a href="#">Included are packing departments, mail rooms, and loading bays</a>
	46	Waste or rubbish area, container <a href="#">Included are waste-paper storage areas, industrial waste containers, compactors, garbage and rubbish chutes without incinerators</a> <a href="#">Excluded are incinerators (64)</a>

DIVISION	CODE	ORIGIN
	47	Garage, car-port, vehicle storage area
	49	Storage areas not classified above
	40	Storage areas; insufficient information available to classify further
<b>5</b>		<b>SERVICE FACILITIES</b>
	51	Lift, dumbwaiter Included are the shaft areas
	52	Utility shaft Included are pipe, ventilation and conduit shafts
	53	Light shaft
	54	Chute Included are laundry chutes and mail chutes Excluded are rubbish chutes (46)
	55	Duct Included are air conditioning, heating, cable and exhaust ducts
	56	Display window
	57	Chimney/flue Included are workrooms
	58	Conveyor
	59	Service facilities not classified above
	50	Service facilities; insufficient information available to classify further
<b>6</b>		<b>SERVICE EQUIPMENT AREAS</b>
	61	Machinery room/area Included are lift machinery rooms, engine rooms, pump rooms, head houses and refrigeration rooms
	62	Heating equipment room or area, water heater area
	63	Switchgear area, transformer vault, switchboard
	64	Incinerator room/area Included are all incinerator operations Excluded are rubbish areas without incinerators (46)
	65	Maintenance shop/area Included are repair shops, welding shops, paint shops, workshops, and paint spraying areas
	66	Test cell (a testing area or unit that simulates a condition)
	67	Enclosure with pressurised air
	68	Enclosure with enriched oxygen atmosphere
	69	Service, equipment areas not classified above
	60	Service, equipment areas; insufficient information available to classify further
<b>7</b>		<b>STRUCTURAL AREAS</b>
	71	Crawl space, substructure space
	72	Exterior balcony, open porch or verandah
	73	Ceiling and floor assembly, concealed floor/ceiling space
	74	Ceiling and roof assembly, concealed roof/ceiling space
	75	Wall assembly, concealed wall space
	76	Exterior wall surface
	77	Exterior roof surface
	78	Awning
	79	Structural areas not classified above
	70	Structural areas; insufficient information available to classify further
<b>8</b>		<b>MOBILE PROPERTY</b>
	81	Passenger areas
	82	Luggage compartment, load-carrying area
	83	Engine area, running gear, wheel area
	84	Fuel tank, fuel line area
	85	Operating control area. Included are the bridge of ships, cockpit of aeroplanes and truck cabs
	86	Exterior exposed surface
	89	Mobile property areas not classified above

DIVISION	CODE	ORIGIN
	80	Mobile property areas; insufficient information available to classify further
<b>9</b>		<b>OTHER LOCATION</b>
	91	On or near railroad right of way, embankment
	92	On or near highway, roadway, street, public way, parking lot
	93	Court, terrace, patio
	94	Lawn, field, open area
	95	Scrub or bush area, woods, forest
	96	Area under construction or major renovation
	97	Multiple areas of origin
	98	Vacant structural area with no current use
	99	Area of fire origin not classified above
	90	Area of fire origin; insufficient information available to classify further

**1.4 Computer Entry**



Field - Numeric  
 Length - 2  
 Default - blank

E	Area of Fire		
1	Origin		

**E2 OCCUPANT OF IGNITION AREA**

E 1	Area of Fire Origin	E 2	Occupant of Ignition Area	E 3	Activity in Ignition Area	E 4	Form of Heat of Ignition	E 5	Ignition Factor
E 6	Type of Material Ignited First	E 7	Form of Material Ignited First	E 8	Equipment Involved in Ignition	E 9	Year of Manufacture		
E 1 0	Make	E 1 1	Model	E 1 2	Serial Number	E 1 3	Voltage		

**2.1 Definition**

A classification of the personnel (if any), that were present in the area of fire origin at the time of ignition.

**2.2 Purpose**

This Item provides information on the people present in the area at the time of ignition which:

- may be one of the factors considered when determining the fire cause; or
- to which fire prevention education can be directed.

**2.3 Implementation**

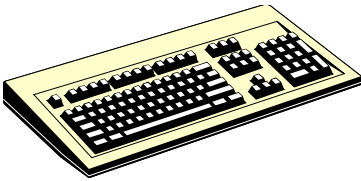
Record the class of personnel who were in, or suspected of being in the area of fire origin at the time of ignition. If more than one class, record the class closest to the area of origin.

Table E2 details the codes and personnel classes for the occupant of ignition area. Select the most appropriate code from this table and complete the entry.

**Table E2 Occupant Codes**

CODE	TYPE OF OCCUPANT
11	Children 0 - 5 years of age
12	Children 6 - 12 years of age
13	Children 13 - 16 years of age
10	Children under 16 years of age; insufficient information available to classify further
21	Owner <a href="#">Included are family members over 16 years of age</a>
22	Neighbour
31	Employee
32	Client or customer
41	Lessee, renter, guest, visitor, patient, inmate
51	Maintenance personnel
61	Contractor on premises
71	Suspected trespasser, car thief or squatter
81	Jogger, casual walker, passer by
08	Not applicable, no occupant
99	Occupant of ignition area not classified above
90	Occupant of ignition area; insufficient information available to classify further
00	Occupant of ignition area undetermined

### 2.4 Computer Entry



Field - Numeric  
Length - 2  
Default - blank

E	Occupant of		
2	Ignition Area		

**E3 ACTIVITY IN IGNITION AREA**

E 1	Area of Fire Origin	E 2	Occupant of Ignition Area	E 3	Activity in Ignition Area	E 4	Form of Heat of Ignition	E 5	Ignition Factor
E 6	Type of Material Ignited First	E 7	Form of Material Ignited First	E 8	Equipment Involved in Ignition	E 9	Year of Manufacture		
E 1 0	Make	E 1 1	Model	E 1 2	Serial Number	E 1 3	Voltage		

**3.1 Definition**

The type of human activity in the area of the fire origin at the time of ignition.

**3.2 Purpose**

This Item provides information on the type of activity that may have been associated with the start of the fire. This can also assist in fire prevention legislation and public education.

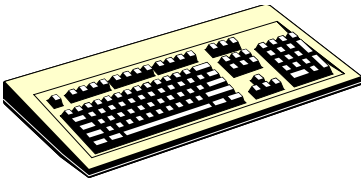
**3.3 Implementation**

Table E3 details the codes and descriptions for human activity in ignition area. Select the most appropriate code from this table and complete the entry.

**Table E3 Activity Codes**

CODE	DESCRIPTION OF ACTIVITY
	<b>Inside Activity</b>
11	Inside activity normal to occupancy of structure
21	Inside activity not normal to occupancy of structure
	<b>Outside Commercial Activity</b>
31	Transportation (not off road)
32	Construction, and maintenance
33	Land based commercial activities such as farming
34	Logging, forest operations
35	Industrial waste, rubbish disposal (tips etc.)
36	Land-clearing, heaps or windrows etc.
37	Fuel reduction burning (grass, stubble, forest, etc.)
38	Water based commercial activities such as fishing
39	Outside commercial activity not classified above
30	Outside commercial activity; insufficient information available to classify further
	<b>Outside Activity</b>
41	Incinerators
42	Burning waste heaps, rubbish, garden litter
49	Outside activity not classified above
40	Outside activity; insufficient information available to classify further
51	Hunting, fishing, shooting, hiking, sightseeing
61	Camping, picnicking <i>Including barbecues</i>
71	Vehicle use - off road <i>Included are all vehicles being used off roads/tracks</i>
81	Malicious activity
08	No activity/Not applicable
99	Activity in ignition area not classified above
90	Activity in ignition area; insufficient information available to classify further
00	Activity in ignition area undetermined

### 3.4 Computer Entry



Field - Numeric  
Length - 2  
Default - blank

E	Activity in		
3	Ignition Area		

**E4 FORM OF HEAT OF IGNITION**

E 1	Area of Fire Origin	E 2	Occupant of Ignition Area	E 3	Activity in Ignition Area	E 4	Form of Heat of Ignition	E 5	Ignition Factor
E 6	Type of Material Ignited First	E 7	Form of Material Ignited First	E 8	Equipment Involved in Ignition	E 9	Year of Manufacture		
E 10	Make	E 11	Model	E 12	Serial Number	E 13	Voltage		

**4.1 Definition**

The form of the heat energy which caused the ignition.

**4.2 Purpose**

This information, when combined with the equipment involved in ignition, assists in identifying the heat energy source that was responsible for ignition. This, when combined with other factors in the ignition sequence, help to establish the cause of the fire.

Some of the heat forms are objects, such as cigarettes or fireworks, for which the frequency of involvement may initiate the implementation of prevention measures in the form of legislation or public education.

**4.3 Implementation**

**NOTE: The difference between code 110 and code 120 is whether a spark, ember or flame actually escaped from the equipment or whether it was simply overheating of the outside surface of the equipment (or its internal heat) causing the ignition of nearby combustibles.**

Table E4 details the divisions, codes and form of heat definitions for this field. Select the most appropriate code from this table and complete the entry.

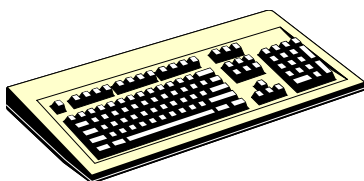
**Table E4 Form of Ignition Codes**

DIVISION	CODE	DEFINITIONS
<b>1</b>		<b>HEAT FROM FUEL-FIRED, FUEL-POWERED OBJECT</b>
	110	Spark, ember, flame escaping from gas-fuelled equipment
	120	Heat from gas-fuelled equipment <i>Included are pilot lights and normal flames</i>
	130	Spark, ember, flame escaping from liquid-fuelled equipment
	140	Heat from liquid-fuelled equipment <i>Included are pilot lights and normal flames</i>
	150	Spark, ember, flame escaping from solid-fuelled equipment
	160	Heat from solid-fuelled equipment
	170	Spark, ember, flame escaping from equipment; fuel not known
	180	Heat from equipment; fuel not known
	190	Heat from fuel-fired, fuel-powered object not classified above
	100	Heat from fuel-fired, fuel-powered object; insufficient information available to classify further
<b>2</b>		<b>HEAT FROM ELECTRICAL EQUIPMENT ARCING, OVERLOADED</b>
	210	Water caused short-circuit arc
	220	Short-circuit arc from mechanical damage
	230	Short-circuit arc from defective, worn insulation
	240	Unspecified short-circuit arc
	250	Arc from faulty contact, loose connection, broken conductor
	260	Arc, spark from operating equipment or switch

DIVISION	CODE	DEFINITIONS
	270	Heat from overloaded equipment <a href="#">Included are wires and motors</a>
	280	Fluorescent light ballast
	290	Heat from electrical equipment arcing, overloaded not classified above
	200	Heat from electrical equipment arcing, overloaded; insufficient information available to classify further
3		<b>HEAT FROM SMOKERS' MATERIALS</b> <b>INCLUDED IS HEAT FROM MATERIALS IN USE OR AFTER USE.</b> <b>EXCLUDED ARE MATCHES AND LIGHTERS (450 &amp; 460)</b>
	310	Cigarette (Retired Sep10)
	311	Cigarette - no cigarette pack found RFR or otherwise
	312	Cigarette - Cigarette pack found with RFR labelling
	313	Cigarette - Cigarette pack found without RFR labelling
	314	Cigarette - Both RFR and non-RFR cigarette packs found
	320	Cigar
	330	Pipe
	390	Heat from smokers' materials not classified above
	300	Heat from smokers' materials; insufficient information available to classify further
4		<b>HEAT FROM OPEN FLAME, SPARK</b>
	410	Cutting operation (separating metals)
	420	Welding operation (joining metals)
	430	Torch operation, other than cutting and welding <a href="#">Included are plumbers' furnaces, blowtorches, plumbers' torches, Bunsen burners, soldering and heating operations, paint stripping torches, drip torches and other torch operations</a>
	440	Candle, taper
	450	Match
	460	Lighter (flame type)
	471	Camp-fires. Includes fires for cooking or personal comfort on the ground, in appliances designed for the purpose or in properly constructed fireplaces
	472	Rubbish fires <a href="#">Included are small fires on ground for the disposal of domestic and garden refuse</a>
	473	Incinerators <a href="#">Included are appliances for the burning of domestic and garden refuse</a>
	474	Bonfires
	475	Burn-off Fires <a href="#">Included are burn-off of grass, crops and scrub for agricultural purposes. Usually associated with the clearing of land. Also includes the use of fire for fuel reduction/wildfire prevention purposes.</a>
	476	Windows/Slash/Fire <a href="#">Included are large scale burning of heaps of materials. Generally associated with the forest industry and land clearing.</a>
	479	Open fires, not classified above
	470	Open fires, insufficient information available to classify further
	480	Backfire from internal combustion engine <b>Excluded are flames and sparks from an exhaust system (130)</b>
	490	Heat from open flame, spark not classified above
	400	Heat from open flame, spark; insufficient information available to classify further
5		<b>HEAT FROM HOT OBJECT OR FRICTION</b>
	510	Heat, spark from friction <a href="#">Included are overheated tyres, slipping drive belts</a>
	520	Molten, hot material <a href="#">Included are molten metal, hot forging, and hot glass</a>
	530	Hot ember, ash
	540	Electric lamp <a href="#">Included are light bulbs</a>
	550	Re-ignite, re-ignition
	560	Heat from properly operating electrical equipment
	570	Heat from improperly operating electrical equipment
	590	Heat from hot objects or friction not classified above
	500	Heat from hot objects or friction; insufficient information available to classify further
6		<b>HEAT FROM EXPLOSIVES/FIREWORKS</b>

DIVISION	CODE	DEFINITIONS
	610	Munitions <i>Included are bombs, ammunition, and military rockets</i>
	620	Blasting agent, primer cord, black powder fuse <i>Included is ammonium nitrate, when used as an explosive</i>
	630	Fireworks <i>Included are sparklers</i>
	640	Paper cap, party popper
	650	Model rocket, and amateur rocketry
	660	Incendiary device <i>Included are Molotov cocktails</i>
	690	Heat from explosive, fireworks not classified above
	600	Heat from explosive, fireworks; insufficient information available to classify further
<b>7</b>		<b>HEAT FROM NATURAL SOURCE</b>
	710	Sun's heat, usually concentrated
	720	Spontaneous ignition, chemical reaction
	730	Lighting discharge
	740	Static discharge
	790	Heat from natural source not classified above
	700	Heat from natural source; insufficient information available to classify further
<b>8</b>		<b>HEAT SPREADING FROM ANOTHER HOSTILE FIRE (EXPOSURE)</b>
	810	Heat from direct flame, convection currents
	820	Radiated heat
	830	Heat from flying brand, ember, spark
	840	Conducted heat
	890	Heat spreading from another hostile fire not classified above
	800	Heat spreading from another hostile fire; insufficient information available to classify further
<b>9</b>		<b>OTHER FORM OF HEAT OF IGNITION</b>
	910	Microwave transmissions
	970	Multiple forms of heat of ignition. <b>Use this subdivision only where there are multiple fires started at approximately the same time on the same property and more than one heat of ignition was initially involved. If one major heat source was involved, use the appropriate classification. List each heat source in the report</b>
	008	Not applicable
	999	Other forms of heat of ignition not classified in any division above
	990	Other forms of heat of ignition; insufficient information available to classify further
<b>0</b>		<b>UNDETERMINED</b>
	000	Form of heat of ignition undetermined

4.4 Computer Entry



Field - Numeric  
Length - 3  
Default - blank

E	Form of Heat of			
4	Ignition			

**E5 IGNITION FACTOR**

E 1	Area of Fire Origin	E 2	Occupant of Ignition Area	E 3	Activity in Ignition Area	E 4	Form of Heat of Ignition	E 5	Ignition Factor
E 6	Type of Material Ignited First	E 7	Form of Material Ignited First	E 8	Equipment Involved in Ignition	E 9	Year of Manufacture		
E 10	Make	E 11	Model	E 12	Serial Number	E 13	Voltage		

**5.1 Definition**

This is the circumstances which permitted the heat source and combustible material to combine and start the fire.

**5.2 Purpose**


The ignition factor in many instances can be attributed to human activity - whether through malicious intent, neglect, bad design, misuse of equipment, or inappropriate operational procedures. By examining the frequency and consequences of these, preventative measures in the form of education and/or legislation may be introduced.

**5.3 Implementation**

It should be understood that this Item in particular requires the officer to make a reasonable judgement using his or her expertise and experience in the area of fire behaviour and cause. Whilst it is accepted that there will be instances where the ignition factor will not be apparent, the reporting officer should not require irrefutable evidence of the cause to be present before making a determination.

Table E5 details the divisions, codes and ignition factor definitions for this field. Select the most appropriate code from this table and complete the entry.

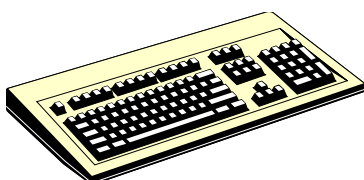
**Table E5 Ignition Factor Codes**

DIVISION	CODE	DEFINITIONS
1		<b>INCENDIARY, LEGAL DECISION OR PHYSICAL EVIDENCE INDICATES THAT THE FIRE WAS DELIBERATELY SET</b>
	110	Incendiary, not during civil disturbance
	120	Incendiary, during civil disturbance
2		<b>SUSPICIOUS CIRCUMSTANCES INDICATE THE POSSIBILITY THAT THE FIRE MAY HAVE BEEN DELIBERATELY SET. SEPARATE UNRELATED FIRES WERE FOUND, OR THERE WERE SUSPICIOUS CIRCUMSTANCES AND NO ACCIDENTAL OR NATURAL IGNITION FACTOR COULD BE FOUND</b>
	210	Suspicious, not during civil disturbance
	220	Suspicious, during civil disturbance
3		<b>MISUSE OF HEAT OF IGNITION</b>
	310	Abandoned, discarded material. <i>Included are discarded cigarettes and cigars</i>
	320	Thawing
	330	Falling asleep
	340	Inadequate control of open fire <i>Included is smoking out animals and insects</i>
	350	Cutting, welding
		 <b>NOTE: If the intent was malicious, regardless of the age, the ignition factor should be recorded as incendiary or suspicious according to the</b>

DIVISION	CODE	DEFINITIONS
		<b>circumstances. As an example, children playing with matches who accidentally start a fire in a house would be recorded here. If, however, they had taken the matches and set fire to grass with the intention of initiating an uncontrolled fire, the ignition factor would be recorded as incendiary</b>
	361	Children with, child playing 0 - 5 years old
	362	Children with, child playing 6 - 12 years old
	363	Children with, child playing 13 - 16 years old
	371	Unconscious
	372	Mental impairment
	373	Physical impairment
	374	Affected by drugs
	375	Intoxication by alcohol
	370	Unconscious, mental or physical impairment, drug, alcohol stupor; insufficient information available to classify further
	390	Misuse of heat of ignition not classified above
	300	Misuse of heat of ignition; insufficient information available to classify further
<b>4</b>		<b>MISUSE OF MATERIAL IGNITED</b>
	410	Fuel spilled, released accidentally
	420	Improper fuelling technique
	430	Flammable liquid used to kindle fire
	440	Washing part, cleaning, refinishing, painting
	450	Improper container
	460	Combustible too close to heat
	481	Children with, child playing 0 - 5 years old
	482	Children with, child playing 6 - 12 years old
	483	Children with, child playing 13 - 16 years old
	490	Misuse of material ignited not classified above
	400	Misuse of material ignited; insufficient information available to classify further
<b>5</b>		<b>MECHANICAL FAILURE, MALFUNCTION</b>
	510	Part failure, leak, break
	520	Automatic control failure <b>Included are delayed ignitions of oil burners</b>
	530	Manual control failure
	540	Short-circuit, ground fault
	550	Other electrical failure
	560	Lack of maintenance, worn out
	570	Backfire <b>Included are ignitions outside the combustion chamber</b> <b>Excluded are fires originating as a result of hot catalytic converters (610)</b>
	590	Mechanical failure, malfunction not classified above
	500	Mechanical failure, malfunction; insufficient information available to classify further
<b>6</b>		<b>DESIGN, CONSTRUCTION, INSTALLATION DEFICIENCY</b>
	610	Design deficiency
	620	Construction deficiency
	630	Installed too close to combustibles
	640	Other installation deficiency
	650	Property too close to other heat source
	690	Design, construction, installation deficiency not classified above
	600	Design, construction, installation deficiency; insufficient information available to classify further
<b>7</b>		<b>OPERATIONAL DEFICIENCY</b>
	710	Collision, overturn, knock over
	720	Accidentally turned on, not turned off
	730	Unattended
	740	Overloaded
	750	Spontaneous heating
	760	Improper start-up, shut-down procedures
	770	Failure to clean <b>Included is a fouled flue</b>
	790	Operational deficiency not classified above
	700	Operational deficiency; insufficient information available to classify further

DIVISION	CODE	DEFINITIONS
<b>8</b>		<b>NATURAL CONDITION/EVENT</b>
	810	High wind
	820	Earthquake
	830	High water, including floods
	840	Lightning
	890	Natural condition/event not classified above
	800	Natural condition/event; insufficient information available to classify further
<b>9</b>		<b>OTHER IGNITION FACTOR</b>
	910	Animal
	920	Re-kindled from a previous fire
	931	Separate, removed exposure. Ignition of another fixed or mobile property separated from the fire by a distance of at least 18 m
	932	Separate, detached exposure. Ignition of another fixed or mobile property separated from the fire by a distance of more than 300 mm but less than 18 m
	933	Separate, adjoining exposure. Ignition of another fixed or mobile property separated from the fire by a distance of less than 300 mm or by an unpierced wall
	934	Attached, protected exposure (fire isolated). Ignition of a structure communicating with another, but separated by pierced fire walls or rated fire cut-offs and with all common fire wall openings protected by installation of fire doors and cut-offs
	935	Attached, unprotected exposure (non-fire isolated). Ignition of a structure, adjoining another structure not meeting the above definitions, and separated by pierced walls of substandard type or without standard protection of openings
	960	Vehicle. <i>Included are exhaust systems and other vehicle parts</i>
	990	Other ignition factor not classified above
	900	Other ignition factor; insufficient information available to classify further
<b>0</b>		<b>UNDETERMINED</b>
	001	Ignition Factor Under Investigation
	002	Ignition Factor Undetermined, due to Severity of Damage
	003	Ignition Factor Undetermined due to Large Scale Contamination
	008	Ignition factor not applicable
	000	Ignition factor undetermined

5.4 Computer Entry



Field - Numeric  
 Length - 3  
 Default - blank

E	Ignition Factor			
5				

**E6 TYPE OF MATERIAL IGNITED FIRST**

E 1	Area of Fire Origin	E 2	Occupant of Ignition Area	E 3	Activity in Ignition Area	E 4	Form of Heat of Ignition	E 5	Ignition Factor
E 6	Type of Material Ignited First	E 7	Form of Material Ignited First	E 8	Equipment Involved in Ignition	E 9	Year of Manufacture		
E 10	Make	E 11	Model	E 12	Serial Number	E 13	Voltage		

**6.1 Definition**

The composition of the material which was first ignited by the heat source.

**6.2 Purpose**

This information assists in establishing why fires start. Analysis of this assists when developing fire hazard assessment standards and is useful for manufacturers in the area of product improvement.

**6.3 Implementation**

The type of material should not be confused with the form of material, which is reported in Item E7.

**Example 1**

A cotton shirt ignites on an ironing board after an unattended iron is left on. The type of material is recorded as **code 72 - cotton, fibre, fine fabric, finished goods** and the form, a shirt, reported in **Form of Material Ignited First**.

**Example 2**

A short circuit in electrical cabling causes the plastic insulation to ignite. The type of material would be **code 40 - plastic, insufficient information to classify further** in the form of electrical wire, cable insulation.





**NOTE: When the type of material ignited is plastic, unless the reporting officer can ascertain with certainty the type of plastic involved, it should be reported as code 40.**

Table E6 details the divisions, codes and type of material ignited first for this field. Select the most appropriate code from this table and complete the entry.

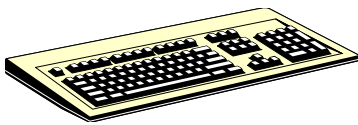
**Table E6 Material Ignited Codes**

DIVISION	CODE	TYPE OF MATERIAL
1		<b>GAS</b>
	11	Natural gas
	12	Liquefied petroleum gas and air mix (reticulated)
	13	Manufactured gas (town gas)
	14	Liquefied petroleum gas
	15	Anaesthetic gas
	16	Acetylene
	17	Speciality gas other than anaesthetic
	19	Gas not classified above
	10	Gas; insufficient information available to classify further

DIVISION	CODE	TYPE OF MATERIAL
2		<b>HIGHLY FLAMMABLE/ FLAMMABLE LIQUID -THE CLASSES OF LIQUIDS ARE SPECIFIED IN AS 1940, SAA FLAMMABLE AND COMBUSTIBLE LIQUIDS CODE</b>
	21	Packaging Group I. Highly flammable. Flash point below 23° C. Boiling point 35° C or less. Examples: Diethyl Ether, Acetaldehyde, Carbon Disulphide
	22	Packaging Group II. Highly flammable. Flash point below 23° C. Boiling point greater than 35° C. Examples: Acetone, Benzene, Ethanol, Ethyl Acetate, MEK, methylated spirits and petrol
	23	Packaging Group III. Flammable. Flash point from 23° C to 61° C. Examples: Amyl Acetate, Butanol, Kerosene, Styrene, Xylene
	24	Class C1, A combustible liquid that has a flashpoint of 150° C or less
	25	Class C2, A combustible liquid that has a flashpoint exceeding 150° C
	29	Flammable, combustible liquid not classified above
	20	Flammable, combustible liquid; insufficient information available to classify further
3		<b>VOLATILE SOLID, CHEMICAL, COMBUSTIBLE METAL- VOLATILE SOLIDS ARE MATERIALS WITH A MELTING POINT BETWEEN 380° C AND 940° C</b>
	31	Fat, grease (food) Included are butter, tallow, margarine and lard
	32	Grease (non-food) Included are petroleum jellies
	33	Polish Included are paraffin and wax
	34	Adhesive, resin, tar Included are glue, gelatin, rosin, damas, elemi, kauri, asphalt, pitch, soot and creosote
	35	Applied paint, varnish
	36	Combustible metal. Included are magnesium, titanium and zirconium
	37	Solid chemical Included are explosives Excluded are liquid chemicals (division 2) and gaseous chemicals (division 1)
	38	Radioactive material
	39	Volatile solid, chemical, combustible metal not classified above
	30	Volatile solid, chemical, combustible metal; insufficient information available to classify further
4		<b>PLASTICS- INCLUDED ARE ALL FORMS OF PLASTICS WHETHER RIGID, SEMI-RIGID, FLEXIBLE OR FOAMED</b>
		 <b>NOTE: Unless the type of plastic can be determined with some certainty, it should be recorded as code 40</b>
	41	Polyurethane Included are polyisocyanurates
	42	Polystyrene Included are styrene copolymers such as styrene-acrylonitrile (SAN), styrene-butadiene, and acrylonitrile-butadiene-styrene (ABS)
	43	Polyvinyl Included are polyvinyl chloride (PVC), polyvinyl fluoride, polyvinylidene chloride, polyvinylidene fluoride and vinyl chloride-acrylonitrile
	44	Polyacrylic Included are polymethyl methacrylate (PMMA)
		 <b>NOTE: PMMA is also known as perspex</b>
	45	Polyester Included is glass fibre reinforced polyester
	46	Polyolefin Included are polyethylene and polypropylene
	49	Plastics not classified above
	40	Plastics; insufficient information available to classify further
5		<b>NATURAL PRODUCT, EXCLUDING WOOD</b>
	51	Rubber Included are synthetic rubbers
	52	Cork

DIVISION	CODE	TYPE OF MATERIAL
	53	Leather
	54	Grass, leaves, hay, straw
	55	Grain, natural fibre (pre-process) Included are feathers, felt, kapok, hessian, hemp, sisal, jute, copra, flax and cotton
	56	Coal, coke, briquettes, peat
	57	Food, starch. Excluded are fat and grease (31)
	58	Tobacco
	59	Natural product not classified above
	50	Natural product; insufficient information available to classify further
<b>6</b>		<b>WOOD, PAPER</b>
	61	Standing tree, (may be living or dead)
	62	Felled but un-sawn wood
	63	Sawn wood Included is all finished timber
	64	Wood shavings Included are sawdust and wood wool
	65	Hardboard, plywood, and particleboard products
	66	Fibreboard (low density material), wood pulp Included are low density pressed wood fibre board
	67	Paper, untreated, uncoated Excluded are waxed papers (83)
	68	Cardboard
	69	Wood, paper not classified above
	60	Wood, paper; insufficient information available to classify further
<b>7</b>		<b>FABRIC, TEXTILE, FUR- CLASSIFY BY PREDOMINANT TYPE OF MATERIAL, EXCEPT AS SHOWN IN 72</b>
	71	Man-made fibre fabric, finished goods Excluded are rayons (72)
	72	Cotton, rayon, fibre fabric, finished goods Included are canvases and all polyester-cotton blends Excluded is waterproof canvas made with materials compounded with oil (84)
	73	Wool, wool mixture fibre fabric, finished goods
	74	Fur, silk fibre fabric, finished goods
	75	Wig
	76	Human hair
	79	Fabric, textile, fur not classified above
	70	Fabric, textile, fur; insufficient information available to classify further
<b>8</b>		<b>MATERIAL COMPOUNDED WITH OIL</b>
	81	Linoleum
	82	Oil cloth
	83	Treated and/or coated paper Included is wax paper
	84	Waterproof canvas Excluded is waterproof cloth of rayon covered with neoprene (72)
	85	Oily rags Included are waste materials impregnated with oil
	86	Asphalt treated material
	89	Material compounded with oil not classified above
	80	Material compounded with oil; insufficient information available to classify further
<b>9</b>		<b>OTHER TYPE OF MATERIAL</b>
	91	Soot, creosote
	97	Multiple type of material ignited first
	99	Other type of material not classified above
	90	Other type of material; insufficient information available to classify further
<b>0</b>		<b>UNDETERMINED</b>
	08	Type of material not applicable
	00	Type of material undetermined

### 6.4 Computer Entry



Field - Numeric  
Length - 2  
Default - blank

E	Type of Material		
6	Ignited First		

**E7 FORM OF MATERIAL IGNITED FIRST**

E 1	Area of Fire Origin	E 2	Occupant of Ignition Area	E 3	Activity in Ignition Area	E 4	Form of Heat of Ignition	E 5	Ignition Factor
E 6	Type of Material Ignited First	E 7	Form of Material Ignited First	E 8	Equipment Involved in Ignition	E 9	Year of Manufacture		
E 10	Make	E 11	Model	E 12	Serial Number	E 13	Voltage		

**7.1 Definition**

The form of the material ignited first by the heat source.

**7.2 Purpose**

To identify those objects frequently ignited. Knowing the form and type of material first ignited together with the frequency that it occurs, can assist in targeting fire prevention measures and public education.

**7.3 Implementation**

Record the form of the material ignited first.

**Example 1**

A cotton shirt ignites on an ironing board after an unattended iron is left on. The type of material is recorded as **cotton, fibre, fine fabric, finished goods** and the form, a shirt, as **code 34 - wearing apparel, not on a person**.

**Example 2**

A short circuit in electrical cabling causes the plastic insulation to ignite. The type of material would be **plastic, insufficient information to classify further** in the form of **electrical wire, cable insulation - code 61**.

Table E7 details the divisions, codes and form of material ignited first definitions for this field. Select the most appropriate code from this table and complete the entry.

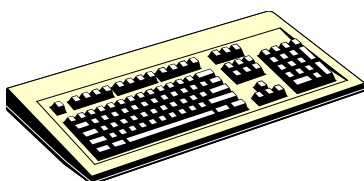
**Table E7 Form of Material Codes**

DIVISION	CODE	DEFINITIONS
1		<b>STRUCTURAL COMPONENT, FINISH</b>
	11	Exterior roof covering, surface, finish
	12	Exterior side wall covering, surface, finish <i>Included are eaves</i>
	13	Exterior trim <i>Included are doors, porches, and platforms</i>
	14	Floor covering, surface <i>Included are tile, carpet, rug, flooring and stairs</i>
	15	Interior wall covering, surface items permanently affixed to wall and door surface <i>Included are cloth wall coverings</i> <i>Excluded are curtains and draperies (36)</i>
	16	Ceiling covering, surface <i>Included are cloth permanently affixed to ceiling, and acoustical tile</i>
	17	Structural member, framing
	18	Thermal, acoustical insulation within wall, partition or floor/ceiling space
	19	Structural component, finish not classified above

DIVISION	CODE	DEFINITIONS
	10	Structural component, finish; insufficient information available to classify further
<b>2</b>		<b>FURNITURE, UTENSILS- INCLUDED IS BUILT-IN FURNITURE</b>
	21	Upholstered sofa, chair, vehicle seats
	22	Non-upholstered chair, bench
	23	Cabinetry Included are filing cabinets, pianos, dressers, chests of drawers, desks, tables and bookcases Excluded are TV set and organ housings, and appliance housings (25)
	24	Ironing board
	25	Appliance housing or casing
	26	Kitchen household utensils, tableware
	29	Furniture not classified above
	20	Furniture; insufficient information available to classify further
<b>3</b>		<b>SOFT GOODS, WEARING APPAREL</b>
	31	Mattress, pillow
	32	Bedding, blanket, sheet, comforter. Included are heating pads and electric blanket
	33	Linen, other than bedding Included are towels and table cloths
	34	Wearing apparel not on a person
	35	Wearing apparel on a person
	36	Curtain, blind, drapery, tapestry
	37	Goods not made up Included are fabrics and bolts of cloth
	38	Luggage
	39	Soft goods, wearing apparel not classified above
	30	Soft goods, wearing apparel; insufficient information available to classify further
<b>4</b>		<b>BOOKS, PAPERS, RECREATIONAL MATERIAL, DECORATIONS</b>
	41	Christmas tree
	42	Decoration for special event
	43	<del>Book</del> -(Covered by 44)
	44	Book, magazine, newspaper, writing paper Included are files
	45	Toy, game
	46	Awning, canopy
	47	Tarpaulin, tent
	49	Books, papers, recreational material, decorations, not classified above
	40	Books, papers, recreational material, decorations; insufficient information available to classify further
<b>5</b>		<b>SUPPLIES, STOCK</b>
	51	Box, carton, bag
	52	Basket, barrel
	53	Pallet, skid
	54	Rope, cord, twine, yarn
	55	Packing, wrapping material
	56	In bales
	57	In bulk
	58	Cleaning supplies Included are brooms, brushes, mops and cleaning cloths
	59	Supplies, stock not classified above
	50	Supplies, stock; insufficient information available to classify further
<b>6</b>		<b>POWER TRANSFER EQUIPMENT, FUEL</b>
	61	Electrical wire, cable insulation
	62	Transformer
	63	Conveyer belt, drive belt, V-belt
	64	Tyre
	65	Fuel
	69	Power transfer equipment, fuel not classified above
	60	Power transfer equipment, fuel; insufficient information available to classify further
<b>7</b>		<b>GENERAL FORM</b>
	71	Agricultural product

DIVISION	CODE	DEFINITIONS
	72	Fence, pole
	73	Fertiliser
	74	Grass, bush and forests, whether growing or dead
	75	Rubbish, trash, waste, chimney waste
	76	Cooking materials <i>Included are edible materials for man or animals</i>
	77	Sign
	78	Residue, Film <i>Included are paint or resin film and paint or resin residue on spray booths, exhaust ducts or dip tank drain boards, chimney residue (soot) and other films and residues produced as a by-product of an operation</i>
	79	General form, not classified above
	70	General form; insufficient information available to classify further
<b>8</b>		<b>SPECIAL FORM</b>
	81	Dust, fibre, lint
	82	Pyrotechnics, explosives
	83	Atomised, vaporised liquid
	84	Chips, pellets
	85	Palletised material, material stored on pallets
	86	Gas or liquid in or from pipe or container <i>Included are accelerants</i>
	87	Rolled material <i>Included is rolled paper</i>
	88	Adhesive
	89	Special form, not classified above
	80	Special form, insufficient information to classify further
<b>9</b>		<b>OTHER FORM OF MATERIAL</b>
	97	Multiple form of material ignited. <b>Use this subdivision only where there are multiple fires started at approximately the same time on the same property and more than one form of material was initially involved. If one major material was involved, use the appropriate classification. List each material in the report</b>
	99	Other form of material not classified above
	90	Other form of material; insufficient information available to classify further
<b>0</b>		<b>UNDETERMINED OR NOT APPLICABLE</b>
	08	Form of material not applicable
	00	Form of material undetermined

7.4 Computer Entry



Field - Numeric  
 Length - 2  
 Default - blank

E	Form of Material		
7	Ignited First		

**E8 EQUIPMENT INVOLVED IN IGNITION**

E 1	Area of Fire Origin	E 2	Occupant of Ignition Area	E 3	Activity in Ignition Area	E 4	Form of Heat of Ignition	E 5	Ignition Factor
E 6	Type of Material Ignited First	E 7	Form of Material Ignited First	E 8	Equipment Involved in Ignition	E 9	Year of Manufacture		
E 10	Make	E 11	Model	E 12	Serial Number	E 13	Voltage		

**8.1 Definition**

The equipment (if any), which provided the principal heat that caused ignition.

**8.2 Purpose**

This Item provides a classification system for the equipment that provided the heat which started the fire. When linked with the type and extent of the fire, and the form of the heat of ignition and ignition factor, problems related to equipment design or operational procedures may become evident.

**8.3 Implementation**

Record the type of equipment responsible for providing the heat that caused the ignition. If no equipment was responsible, use **code 980**.

Table E8 details the divisions, codes and equipment definitions for this field. Select the most appropriate code from this table and complete the entry.

**Table E8 Equipment Involved in Ignition Codes**

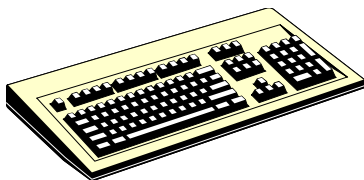
DIVISION	CODE	EQUIPMENT DEFINITIONS
<b>1</b>		<b>HEATING SYSTEMS - COMBINATION HEATING AND COOLING SYSTEMS ARE TO BE CODED UNDER 3 AIR CONDITIONING, REFRIGERATION EQUIPMENT</b>
	110	Central heating unit Included are central furnaces and power burners or stokers having an air supply and a return air system Excluded are industrial furnaces (710)
	120	Water heater (hot water service)
	130	Fixed, stationary local heating unit Included are wall furnaces, unit heaters, room heaters, fixed heating stoves, pot belly stoves, slow combustion stove or heaters, gas fires oil heaters, and heaters not intended for duct connection
	140	Indoor open fireplace
	150	Portable local heating unit Included are space heaters, room heaters, and portable industrial heaters
	160	Chimney, gas vent flue Included are masonry, factory built and metal chimneys
	170	Chimney connector, vent connector (connects firebox to chimney)
	180	Heat transfer system Included are steam lines, heating pipes, and hot air ducts
	190	Heating systems not classified above
	100	Heating systems; insufficient information to classify further
<b>2</b>		<b>COOKING EQUIPMENT</b>
	210	Fixed stationary surface unit Included are stove hot plates Excluded are charcoal grills (260)
	220	Fixed, stationary oven. Included are rotisseries, built in microwave ovens

DIVISION	CODE	EQUIPMENT DEFINITIONS
	230	Fixed, stationary food warming appliance <a href="#">Included are coffee urns, bain-marie, warming drawers and warming tables</a>
	240	Fixed deep fat fryer
	250	Portable cooking appliances, warming unit <a href="#">Included are portable microwave ovens and toasters</a>
	260	Open fired grill <a href="#">Included are charcoal, wood or gas fired</a>
	261	Outdoor cooking equipment <a href="#">Included are barbecues, webbers and hibachi</a>
	270	Grease hood, duct
	290	Cooking equipment not classified above
	200	Cooking equipment; insufficient information available to classify further
<b>3</b>		<b>AIR CONDITIONING, REFRIGERATION EQUIPMENT- INCLUDED ARE COMBINATION COOLING AND HEATING SYSTEMS. EXCLUDED ARE THE CORDS AND PLUGS (470)</b>
	310	Central air conditioning, refrigeration equipment
	320	Water cooling device, tower
	330	Fixed, stationary local refrigerator unit <a href="#">Included are cold boxes, freezers and refrigerators</a>
	340	Fixed, stationary local air conditioning unit
	350	Portable air conditioning, refrigeration unit <a href="#">Included are dehumidifiers</a>
	360	Portable cooling fans
	370	Fixed stationary cooling, exhaust fans
	390	Air conditioning, refrigeration equipment not classified above
	300	Air conditioning, refrigeration equipment; insufficient information available to classify further
<b>4</b>		<b>ELECTRICAL DISTRIBUTION EQUIPMENT EXCLUDED ARE HEATING, COOKING, AIR CONDITIONING AND REFRIGERATION EQUIPMENT (DIVISIONS 1, 2 AND 3)</b>
	410	Fixed wiring <a href="#">Included are power lines, junction boxes, cables and wiring in conduits</a>
	420	Transformer, associated over-current or disconnect equipment
	430	Meter, meter box
	440	Power switch gear, over-current protection devices <a href="#">Included are panel boards or switchboards, fuses and circuit breakers</a>
	450	Switch, receptacle, outlet
	460	Lighting fixture, lamp-holder, ballast, sign
	470	Cord, plug <a href="#">Included are temporary extension cords, appliance cords and plugs</a>
	471	Domestic Multi Outlet Power Board
	480	Lamp, light bulb
	490	Electrical distribution equipment not classified above
	400	Electrical distributed equipment; insufficient information available to classify further
<b>5</b>		<b>APPLIANCES, EQUIPMENT - TELEVISION, RADIO, PHONOGRAPH-INCLUDED ARE TAPE RECORDERS, SOUND OR PICTURE RECEIVING EQUIPMENT AND REPRODUCTION EQUIPMENT</b>
	511	Television, television monitors
	512	Video recorder including ancillary equipment
	513	Radio
	514	Tape recorders
	515	Stereo equipment
	516	Compact disk player
	520	Dryer <a href="#">Included are coin-operated dryers and extractors removing any liquid or solvent</a>
	530	Washing machine <a href="#">Included are coin-operated machines in laundries</a>
	540	Floor care equipment
	541	Vacuum cleaners
	550	Separate motor, generator <a href="#">Included are those not an integral part of an appliance and those separated by a belt or chain from the equipment they drive, or which drives them</a>
	560	Hand tools

DIVISION	CODE	EQUIPMENT DEFINITIONS
		Included are electric chain saws, electric lawn-mowers and drills
	571	Electric blankets
	572	Irons
	573	Electric soldering irons
	574	Hair dryer
	581	Portable cooling fan
	582	Evaporative coolers
	591	Ceiling fans
	592	Exhaust fans including range hoods
	593	Dishwashers
	590	Appliances, equipment not classified above
	500	Appliances, equipment; insufficient information available to classify further
<b>6</b>		<b>SPECIAL EQUIPMENT</b>
	610	Electronic equipment (other than computers) Excluded are separate monitors or visual display units (511)
	611	Computer equipment Included are computer, central processing unit and keyboard
	612	Radar
	613	X-ray
	614	Telephone and transmitter equipment
	620	Vending machine, water cooler
	630	Other office machine
	631	Photocopiers
	632	Typewriters
	633	Facsimile machines
	640	Biomedical equipment, device Included are anaesthetising machines
	650	Separate pump, compressor
	660	Internal combustion engine Included is an exhaust system
	670	Conveyer
	680	Printing press
	690	Special equipment not classified above
	600	Special equipment; insufficient information available to classify further
<b>7</b>		<b>PROCESSING EQUIPMENT</b>
	710	Furnace, oven, kiln Excluded are those used for food preparation (division 2) and heat treating (730)
	720	Casting, moulding, forging equipment Included are glass-forming machines and die-casting machines
	730	Heat-treating equipment Included are quench tanks and associated equipment
	740	Working, shaping machine Included are sawing, planing, grinding, machining, forming, opening, picking, carding and weaving machines
	750	Coating machine Included are asphalt-saturating and rubber-spreading machines
	760	Painting equipment Included are dipping, spraying and flow-coating equipment
	770	Chemical process equipment Included are digesters, reactors, black liquor recovery units, and distilling equipment
	780	Waste recovery equipment Included are garneting and solvent recovery equipment
	790	Processing equipment not classified above
	700	Processing equipment; insufficient information available to classify further
<b>8</b>		<b>SERVICE, MAINTENANCE EQUIPMENT</b>
	810	Incinerator
	820	Bearing, brake
	830	Rectifier, charger Included are invertors and batteries
	840	Tarpot, tar kettle
	850	Arc, oil lamp Included are gas mantles and arc-lighted motion picture projectors

DIVISION	CODE	EQUIPMENT DEFINITIONS
	860	Lift
	870	Torches, welding and cutting equipment Included are cutting and welding torches, arc welders, laser cutters, plumbers' blowlamps, Bunsen burners
	890	Service, maintenance equipment not classified above
	800	Service, maintenance equipment; insufficient information available to classify further
		<b>OTHER OBJECT</b>
	910	Power saw Included are non-electric powered cutting tools Excluded are electric chain saws (560)
	920	Hand-held yard and garden maintenance equipment Included are non-electric powered lawn-mowers and brush trimmers Excluded are power saws (910) and electric hand tools (560)
	930	Power transfer equipment Included are cables, wire ropes, blocks and belts Excluded are the vehicles or equipment providing the power and electric fencing
	940	Electric fencing
	950	Flammable liquid transfer equipment Included are piping, valves, and connected storage tanks Excluded are pumps or compressor (650)
	960	Vehicle. Included are tractors, earth moving vehicles and agricultural equipment
	990	Other object; not classified above
	900	Other object; insufficient information available to classify further
<b>0</b>		<b>UNDETERMINED OR NOT REPORTED</b>
	008	No equipment involved in ignition/Not applicable
	000	Equipment involved in ignition undetermined

8.4 Computer Entry



Field - Numeric  
Length - 3  
Default - blank

E	Equipment Involved			
8	in Ignition			

### EQUIPMENT INFORMATION

Items **E9** to **E13** identify the equipment involved in terms of year of manufacture, make, model, serial number and voltage (if electrical).

#### E9 YEAR OF MANUFACTURE

E 1	Area of Fire Origin	E 2	Occupant of Ignition Area	E 3	Activity in Ignition Area	E 4	Form of Heat of Ignition	E 5	Ignition Factor
E 6	Type of Material Ignited First	E 7	Form of Material Ignited First	E 8	Equipment Involved in Ignition	E 9	Year of Manufacture		
E 1 0	Make	E 1 1	Model	E 1 2	Serial Number	E 1 3	Voltage		

#### 9.1 Definition

The year of manufacture of the equipment.

#### 9.2 Purpose

This information can indicate faults in particular designs or model runs of equipment that have been responsible for causing ignitions.

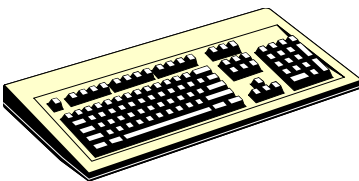
#### 9.3 Implementation

It is expected that in many cases, reporting officers may not be able to obtain or ascertain all of this information, however, as much information as possible should be recorded.



**NOTE: No information required for these Items if Item E8 is coded 980.**

#### 9.4 Computer Entry



Field - Numeric  
Length - 4  
Default - blank

E 9	Year Of Manufacture				
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**E10 MAKE**

E 1	Area of Fire Origin	E 2	Occupant of Ignition Area	E 3	Activity in Ignition Area	E 4	Form of Heat of Ignition	E 5	Ignition Factor
E 6	Type of Material Ignited First	E 7	Form of Material Ignited First	E 8	Equipment Involved in Ignition	E 9	Year of Manufacture		
E 1 0	Make	E 1 1	Model	E 1 2	Serial Number	E 1 3	Voltage		

**10.1 Definition**

Usually the brand or manufacturing company name e.g. *Hoover, Sunbeam, Canon, Victor* etc.

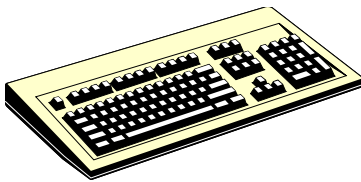
**10.2 Purpose**

This information can indicate faults in particular designs or model runs of equipment that have been responsible for causing ignitions.

**10.3 Implementation**

Use only 20 characters.

**10.4 Computer Entry**



Field - alpha/numeric  
Length - 20  
Default - blank

E 10	Make
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**E11 MODEL**

E 1	Area of Fire Origin	E 2	Occupant of Ignition Area	E 3	Activity in Ignition Area	E 4	Form of Heat of Ignition	E 5	Ignition Factor
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E 6	Type of Material Ignited First	E 7	Form of Material Ignited First	E 8	Equipment Involved in Ignition	E 9	Year of Manufacture
E 1 0	Make	E 1 1	Model	E 1 2	Serial Number	E 1 3	Voltage

**11.1 Definition**

The model name or number as designated by the manufacturer.

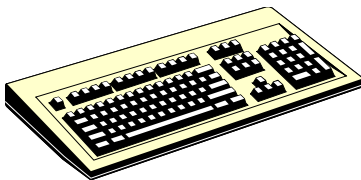
**11.2 Purpose**

This information can indicate faults in particular designs or model runs of equipment that have been responsible for causing ignitions.

**11.3 Implementation**

Use only 20 characters.

**11.4 Computer Entry**



Field - alpha/numeric  
 Length - 20  
 Default - blank

E 11	Model
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**E12 SERIAL NUMBER**

E 1	Area of Fire Origin	E 2	Occupant of Ignition Area	E 3	Activity in Ignition Area	E 4	Form of Heat of Ignition	E 5	Ignition Factor
E 6	Type of Material Ignited First	E 7	Form of Material Ignited First	E 8	Equipment Involved in Ignition	E 9	Year of Manufacture		
E	Make	E	Model	E	Serial Number	E	Voltage		

1 0		1 1		1 2		1 3	
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**12.1 Definition**

The serial number is usually a mixture of letters and numbers affixed to, or stamped into the equipment by the manufacturer, that identifies that particular piece of equipment.

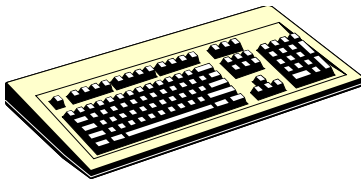
**12.2 Purpose**

This information can indicate faults in particular designs or model runs of equipment that have been responsible for causing ignitions.

**12.3 Implementation**

Use only 20 characters.

**12.4 Computer Entry**



Field - alpha/numeric  
 Length - 20  
 Default - blank

E 12	Serial Number
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**E13 VOLTAGE**

E 1	Area of Fire Origin	E 2	Occupant of Ignition Area	E 3	Activity in Ignition Area	E 4	Form of Heat of Ignition	E 5	Ignition Factor
E 6	Type of Material Ignited First	E 7	Form of Material Ignited First	E 8	Equipment Involved in Ignition	E 9	Year of Manufacture		
E 10	Make	E 11	Model	E 12	Serial Number	E 13	Voltage		

**13.1 Definition**

The primary voltage used or conducted by the equipment (if applicable).

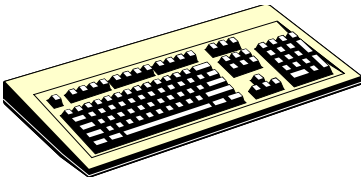
**13.2 Purpose**

This information can indicate faults in particular designs or model runs of equipment that have been responsible for causing ignitions.

**13.3 Implementation**

Use only 6 characters.

**13.4 Computer Entry**



Field - alpha/numeric  
 Length - 6  
 Default - blank

E 13	Voltage						
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