

Incident Recording System – Questions and Lists

Version 1.4 – (XML Schemas v1-0n)



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Communities and Local Government **IRS**
Incident Recording System

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Welcome to the Fire and Rescue Service Incident Recording System

Please select an action from the list below:

Enter New Incident Details	Capture details on a new incident.
My Current Incidents	Retrieve incidents that have been assigned to you.
Find and Update Incidents	Update or view an existing incident report.
Download Incidents	Download incidents to your computer in XML or CSV format.

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Show the IRS News and Events.
[more information](#)

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Reset your password.
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Revision History

Date	Version	Description	Author
25 th May 2007	0.1	Initial Draft	Richard Edwards
11 th July 2007	0.2	Updated with changes from usability testing	Richard Edwards
24 th August 2007	0.3	Updated with changes for Schema V1.0i.	Richard Edwards
10 th September 2007	0.4	Minor updates for review	Richard Edwards
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1. Introduction

1.1 Background

DCLG's Fire and Rescue Service Directorate (FRSD) is implementing a new web-enabled Incident Recording System (IRS), which will modernise the collection and subsequent statistical handling and publication of incident data from the Fire and Rescue Service.

The project will provide the Fire and Rescue Services in the UK with a fully tested and piloted means of collecting, validating and transmitting data to CLG on all incidents attended by the Fire and Rescue Service. To support the new IRS database the Fire and Rescue Service Division (FRSD) has developed an associated XML Schema, which will be used in transferring incident data between the F&RS community and the DCLG.

1.2 Objectives of document

The aim of this document is to describe the questions and options that will be asked for each type of incident.

The document is aimed at FRS business users and performance management staff to allow them to understand the questions that will be asked within the Incident Recording System.

There are other documents which describe the XML Schema from a more technical perspective for use by IT staff and developers. These are the 'FRS Incident Schema - XML Information Model v1-0i' and the 'FRS Incident Web Services Guide v1-0i' – **these documents are the definitive description of the schema and questions.**

Note: There has been four minor Patch releases with v2.0.8 (Schemas v1-0j – PropertyType Taxonomy File Change), v2.1.0 (Schemas v1-0k – Change to FRSIDs in the Schema for London and Wales), v2.1.1 (Schemas v1-0l – Change to FRSIDs for Strathclyde) and v2.1.2 (Schemas v1-0m – Only documentation & rule changes). Details of these minor changes are all recorded in this document.

Also within these documents are described all the business rules, these documents are the definitive description of all the business rules. Within this document we describe some of the most important business rules but do not describe all the rules as there are over 200 of them.

Also there is a full guidance document which provides detailed guidance on the IRS and questions. This is the same information as provided in the ITS on-line help.

2. Reasons for new data collection

The current FDR1 data collection provides a significant amount of valuable information about primary fires which has been used for many statistical and research purposes since 1994 when it was introduced. Since 1994, there have been several significant changes.

In particular,

- Bain Review of 2002
- The Fire and Rescue Services Act 2004 – which altered the statutory responsibilities of FRS's to include special services.
- The introduction of IRMPs
- The introduction of the National Framework

All of these changes have meant that there is a need to update the data collection to reflect the new responsibilities.

2.1 IRMPs

IRMPs are best informed by accurate and detailed data on all incidents (including false alarms) in order to allow adequate risk analysis and modelling. If the data is incomplete or inaccurate it will affect the quality of any analysis.

This is a key difference when compared with the previous guidance based on attendance times. As well as the times for all incidents, the availability of data on the actual vehicles in attendance and the equipment used during the incident are valuable inputs to the IRMP.

2.2 Special Service incidents (including RTCs)

Special Services (i.e. Non-fire) are an increasingly important area of FRS operations and also since 2004 there have been statutory attending responsibilities.

At a National level the data available is mainly at annual summary level; therefore in the IRS more details are being collected on all special service types. In particular, extra information is being collected on Road Traffic Collisions and extrications.

2.3 Hazardous materials

Up until 1996 data on Hazardous Materials was collected by HMFSI, since 1996 no detailed information has been collected.

The Fire and Services Act 2004 increases the statutory responsibility. There has been consistent criticism that CLG has been unable to provide data identifying problems and trends relating to hazardous materials. The collection of detailed data on incidents involving hazardous materials should allow the earlier identification of trends – for example the current problems with acetylene. This should also allow the easier production of 'best practice' guidance.

2.4 Building regulations

The current FDR1 collection does not collect information in several important areas:

- Availability and use of building fire service facilities
- Effectiveness of building compartmentation and other fire engineering design issues
- Any specific building constructions involved

The cost of implementing current building fire regulations in non-dwelling properties is estimated to be 5% of

total building costs, it is therefore important that good data is available to support any changes to or justification of building regulations.

Also there are operational concerns around the effectiveness and availability of building services. For example:

- Are Firefighters lifts used and are they available?
- Are they frequently unavailable due to poor maintenance or vandalism?
- This impacts both fire fighter safety and fire fighting effectiveness

2.5 Regulatory reform order 2005

The introduction of the Regulatory Reform Order 2005 and changed the responsibility for ensuring that fire regulations are complied with.

A key part of the new data collection is to collect data that can be used to assess the effectiveness of the FIRE SAFETY REGULATIONS. For example: Has there been an increase in fires where exits have been blocked?

2.6 Attacks on Fire officers

Currently the National data on attacks on fire officers is of poor quality, as the information is provided via the use of FOSI forms, which are not completed in all cases.

This is an area of increasing concern across FRSs, CFOA, FBU and the Government, and so the data collection has been included within the IRS.

2.7 Community Fire Safety

More data is being collected to help determine particular risks and allow more effective targeting of Community Fire Safety campaigns.

3. Comparison to FDR1 and current data collections

The IRS collects detailed information on all incidents attended by Fire and Rescue Services this is a significant difference from the current data collections where:

- Data for Primary fires are collected on FDR1 forms.
- Monthly summaries of secondary fires, chimney fires and false alarms are collected
- Annual summaries of Special service incidents are collected on OPS4 and OPS5 forms.

Based on data for the UK from 2004 the numbers of incidents are:

Incident Type	Number	% of all incidents
Primary fires	210,018	16.6
Secondary fires	383,263	30.2
Chimney fires	11,330	0.9
False Alarms	473,000	37.3
Special Service	190,123	15.0
Total	1,267,734	100.0

This means that detailed information will be available on all incidents rather than primary fires (as currently) which account for less than 20% of incidents.

3.1 Differences from FDR1

In comparison to the FDR1 data collection, the IRS has the following additions:

- More information on vehicles is collected
- Information on equipment used is collected
- Information on type of incident 'at time of call', as distinct from 'at attendance' is collected.
- Ethnic origin of casualties is collected
- Information on building evacuations is collected
- Construction features in building fires
- Fire safety inspection info
- Fire service building facility info
- Haz Chem codes

3.2 Data collected and questions asked

Within the IRS the number of questions asked depends on:

- the type of incident, whether it is a primary fire, secondary fire, false alarm or special service.
- The type of property involved
- Whether there were any casualties or rescues involved
- Whether there were hazardous materials

The data collection has been structured so that for the most common incidents as few questions as possible are asked for all incidents the following information is captured:

- Unique identification of incident (FRS and Incident number)
- Dates and times of incident
- Location of incident
- Vehicles in attendance
- Resources used at incident (none for false alarms)
- Information on attacks on firefighters
- Details of any casualties or evacuations

The table below shows the number of questions asked for each type of incident, these have been ordered by the frequency of occurrence. This shows that, if the data is pre-populated from the mobilizing system (see later), for over 80% of incidents 11 questions or fewer are asked.

Incident type	Number of questions asked		Number of incidents		
	Total	if pre-populated	Total per year	As % of all incidents	Cumulative
False Alarm	24	4	473,000	39.0%	39.0%
Skip/ refuse fire	29	9	190,000	15.7%	54.6%
Small outdoor fire	29	9	150,000	12.4%	67.0%
Special Service	27	7	100,000	8.2%	75.2%
Primary Car Fire	58	38	84,000	6.9%	82.1%
Primary Fire (dwelling)	75	55	54,000	4.4%	86.6%
Primary Fire with evacuation	85	65	42,000	3.5%	90.0%
RTC	31	11	35,000	2.9%	92.9%
SS -Lift release	27	7	26,000	2.1%	95.1%
Large Outdoor fire	48	28	21,000	1.7%	96.8%
SS - Hazmat	31	11	14,000	1.2%	97.9%
RTC with Casualty and extrication	53	33	12,000	1.0%	98.9%
Primary Fire with casualties	94	74	9,000	0.7%	99.7%
Special Services (with casualties)	46	26	4,000	0.3%	100.0%

3.3 Calculation of BVPI's and NI's

The IRS will be able to provide the data to support calculation of the all of the current BVPI's and National Indicators (NI's) which relate to incidents which are attended.

Details of how each BVPI and NI will be calculated are given in section 7 'BVPI & NI Calculations within the IRS'.

4. 4. Key Concepts

Whilst defining the IRS data collection some key concepts have been identified, that aid in understanding the questions asked and the way in which they have been structured. These concepts are detailed in the following sections.

4.1 Method of submitting data

The IRS allows FRSs to submit data in two ways:

- Using an XML based web service
- Using the IRS website (online forms) essentially, the XML web service is designed to allow FRSs with their own systems (e.g. MIS) to submit data automatically whereas the website or Online forms can be used by those FRSs which do not have their own systems.

It is also possible, to submit partial records using the web service and complete them using the online forms. This allows data to be pre-populated from the FRSs command and control (mobilizing) system (see later). A key finding of the pilot was that having the data pre-populated made a significant difference. Full details of these options are given in other documents.

4.2 Lists – Enumerated values

Very few elements of the data used within the Incident Recording System are free-form text questions; instead the majority of the values are selected from lists of possible options. This is done to allow better analysis of the data and provide more consistency in data input.

If a list has an “Other” option defined, then when this option is selected the user will also be required to enter a textual description. This is important to ensure that the data can be analyzed to decide whether new list entries are required in the future.

Below is a list of all the standard drop-down list questions that have a code of ‘99’, which indicates that an ‘Other’ attribute needs to be captured for the question:

- Question 2.2 – What was the origin of this call?
- Question 5.4 – How was the fire discovered?
- Question 5.6 – Means of Escape
- Question 5.7 – Compartmentation
- Question 5.9 – Alarm Systems Type
- Question 5.12 – Reason system did not function as intended
- Question 5.27 – Vehicle Type
- Question 5.29 – Type of extrication method used
- Question 7.2 – What was the main action taken by the general public prior to arrival?
- Question 7.3 – What was the main action taken by FRS personnel?
- Question 7.5 – Type of Fire Fighting Equipment used
- Question 7.6 – Effect of Manual System on fire
- Question 7.8 – Fixed Fire Fighting facilities present
- Question 7.12 – Type of active safety systems present
- Question 7.17 – Reason safety system did not function as intended
- Question 8.1 – What was the cause of the fire?
- Question 8.3 – Caused by?
- Question 8.4 – What was the source of ignition?
- Question 8.5 – What powered the ignition?
- Question 8.6 – What Item was ignited first?

- Question 8.8 – If there was any rapid fire growth, how was this caused?
- Question 8.13 – Were any containers involved?
- Question 8.14 – What type of room/compartiment did the fire start in (Location of Origin)?
- Question 8.15 – What was the Household Occupancy Type at the time of the incident?
- Question 8.16 – Human factors contributing to fire
- Question 8.18 – Was there any special method of building construction involved?
- Question 9.10 – Where was the victim when the fire started?
- Question 9.11 - Where was the victim found?
- Question 9.12 –What role did this victim play in the incident?
- Question 9.14 – If rescued, where was the victim rescued from?
- Question 9.16 –If rescued, what method was used?
- Question 9.22 – What is your understanding of the cause of death / nature of injury?
- Question 9.25 – What were the other circumstances of the victim?

Below is a list of those questions that have 'Other' attributes defined in the schemas against a number of code values:

- Question 6.2 – Type of FRS Vehicle (VehicleType = 'AA', 'RSV')
- Question 6.16 – Type of Equipment Used (EquipmentType = '7', '11', '23', '26', '30', '45', '57', '67', '73')

4.3 Taxonomies/ Hierarchy Controls

There are a few questions which have a large number of options. These have been implemented as taxonomies or hierarchies.

There are four questions which use hierarchies:

- Mobilise Incident Type
- Property Type
- Special Service Type
- False Alarm Reason

These hierarchies are fully described in the Taxonomy/Hierarchy spreadsheet, and are also repeated in this document.

Within the spreadsheet there are some extra fields which are not repeated in this document. These fields are used for validation and display purposes e.g. the Primary Fire flag in the Property Type.

If a taxonomy entry has an associated "Other" attribute set to 'yes', then when this option/code is selected the user will also be required to enter a textual description. This is important to ensure that the data can be analysed to decide whether new list entries are required in the future.

4.4 Data pre-population

The IRS has been designed to allow the pre-population of data from Command and Control systems. It is anticipated that the following data items will be pre-populated:

- Incident identifier
- Times and dates of Call, stop message and incident closed
- Type of incident at Mobilization (Mobilize Incident type)
- Incident location
- Details of appliances mobilized including times.

In the detailed list of questions it is indicated which fields are expected to be pre-populated.

In fact, any field can be pre-populated provided the validation rules are not broken, so if the information is available within the Command and control system it can be completed.

Any field that has been pre-populated can be updated within the forms, and if the data has not been pre-

populated can be entered.

4.5 Links with FiReControl

The IRS Schema has been designed so that it is ready for the implementation of the FiReControl RCCs.

Note: The RCC data is currently going through re-design period and is expected to change further during Q1 2009.

The following data items have been defined based on the FiReControl convergence products:

- **Callsigns** – throughout the schema callsigns can be in the format as defined by Convergence Product 3 – National Call Sign
- **Mobilise Incident Type** – the IRS allows the Incident type when the call was received as well as the actual incident type. The incident type on mobilisation uses the Convergence Product 13 definitions.
- **Vehicle and Resource Types** – the IRS collects information on the vehicles deployed and the resources used. These lists have been based as far as possible on the Convergence Product 63 definitions. There are differences, however, because of the move to attribute based mobilising where a vehicle may have many attributes.

4.6 Repeating data groups

Within the IRS some groups of data can be repeated several times, for example an incident may have many vehicles attending it.

There are the following repeating data groups within the IRS:

- Alarm system
- Hazardous Material details
- RTC Extrication details
- Vehicle details
- Resources used details
- Fire Fighting equipment used
- Building Fire Fighting Facilities
- Active Safety Systems
- Victim details

4.7 Multiple selections

Within the IRS it is not possible for a question to have multiple answers (i.e. multiple selections). This has been decided as it causes issues in two ways:

- Users find these type of menus difficult to use
- Analysis of this type of data is difficult as users tend to answer them differently (irrelevant of the guidance) and it is not clear which is the main selection. For example if the user selected 2 causes of a fire.

In all cases the user is asked to enter the 'main' or 'most important' option.

4.8 Incident Status and Workflow

Incident data that is entered into the IRS website is not 'sent' directly to DCLG but goes through a 'lifecycle' or workflow.

This 'lifecycle' is similar to the way FDR1 data is currently processed. The aim is to ensure that data is only 'sent' to DCLG once it has been validated and quality assured by the FRS. Quality assurance and quality control of the data is the responsibility of the FRS (as for FDR1s).

The following key stages exist in the lifecycle of an incident:

- Incident data partially entered. The data may have warning or errors in it.
- Incident recorded. The data will not have any warnings or errors.
- Incident validated by IRS and FRS quality assurance personnel

Incident published to DCLG - The full list of "Incident Status" values are:

- 10 - "First Call"
- 20 - "Mobilised"
- 30 - "Arrived At Scene"
- 40 - "Under Control"
- 50 - "Closed (Mobilise data captured)" (Incident Closed)
- 55 - "Closed with Queries (Mobilise data captured)"
- 60 - "Recorded" (Incident fully recorded after the event by the FireOfficer)
- 65 - "Recorded with Queries" (Incident recorded, but require QA/Review)
- 70 - "Published" (Incident quality assured and ready for Publication)
- 75 - "Published with Conditions" (e.g. Awaiting coroners report)
- 80 - "Queried by National Statistics" (Statistics Team have raised a query for the FRS)
- 90 - "Closed by National Statistics" (The Incident has been audited & closed.)
- 0 - "Cancelled"

Note: It is not possible to INSERT a record to the IRS system with an IncidentStatus as 80 or 90. Only DCLG staff can set these status values. The 'status' of the incident is recorded within the incident data.

4.9 Business Rules

Within the IRS there are many rules that have been defined to ensure that the data is correct. An example rule is:

PersonGivenName and PersonFamilyName must be populated for Victims with a Type of "1=fatality". These rules are fully defined in the technical documentation. Many of the business rules that are defined are related to the incident status, and are only checked when the user states that they have completed data entry (status = recorded) A rule can generate an Error, a Warning or an Information message. An incident can't be set to a "Recorded" status if there are Warnings or Errors. An incident can be set to a "Recorded" or "Published" status with Information messages present.

4.10 Yes/No questions

Because of the nature of incidents and the information that is required, much of the data collected within the IRS is related to unusual or non-frequent events (e.g. explosions). In order to handle these within the IRS, Yes/No questions are asked (e.g. Were there any hazardous materials involved?) and only if the answer is "Yes" are further questions asked. Normally these questions are defaulted to simplify the completion of the data.

The following questions are asked of this type:

- Q3.10 Was there an attack on firefighters at the incident?
- Q5.5 Is the property covered by the Regulatory Reform (Fire Safety) Order 2005
- Q5.8 Was there any alarm system present?
- Q5.18 Were there any hazardous materials involved?
- Q5.22 Was the incident an RTC?

- Q5.26 Were any RTC extrications performed?
- Q6.15 Were there any resources used at the incident?
- Q7.4 Were any manual systems used?
- Q7.7 Were there any Building Fire Fighting Facilities Present?
- Q7.11 Were there any active safety systems present?
- Q8.10 Was there an explosion? The aim of this is to make completion of normal incidents as quick and accurate as possible whilst remaining the flexibility to gather information on more unusual incidents.

4.11 Primary and Secondary Fires

Under the FDR1 system there was a large distinction between primary and secondary fires as only full details were recorded for primary fires. For secondary fires only monthly totals are collected. Within the IRS as information is collected on all incidents the distinction is less important.

So within the IRS there is no mention of Primary/Secondary fires – it is the type of property and the answers to questions which determine the information that will be gathered.

Some properties which previously required the completion of FDR1s no longer have as many questions asked e.g. post boxes. This is because, the level of detail collected for all incidents is sufficient and asking many extra questions would not be beneficial.

For reporting purposes, within the XML schema a 'Primary fire' flag is maintained, within the IRS forms this flag is set dependent on the answers given by the user. The user is not able to set this flag. Details on how the flag is calculated are given later in this document – but the definition is the same as for FDR1s.

4.12 Over the Border incidents

An Over the Border incident is where one FRS attends an incident within the borders of another. Currently, the FDR1 report is completed by the FRS that **attended** the incident, but is submitted to DCLG by the FRS whose territory the incident occurred in as its own.

Note: Under the IRS this will change slightly. As currently the Officer in Charge (OIC) is responsible for completing the incident but the FRS that attended the incident will perform any quality assurance and will 'publish' the data to DCLG. The FRS in whose territory the incident occurred will be able to view/print the incident and also add an incident id but will not be able to edit any other data.

5. Questions and Lists

In this section, details are provided for all the questions that the IRS collects, together with the list of valid options for each drop down field.

The questions are split into the following sections:

1. Incident Identity
2. At Call Details
3. On Attendance Details
4. Location Details
5. Additional Information
6. Resources Used
7. Action
8. Damage
9. Involvement of Persons

Summary For each question the following table is completed:

Incidents		Optional/Mandatory	
Pre-populated?		Depends on	
On FDR1?		Format	
Notes:			

The fields in the table have the following meanings:

- **Incidents** - Shows the type of incident for which question is asked, this can be All incidents, Fires (Primary or Secondary), Special Service or False Alarm.
- **Optional/Mandatory** – indicates if the field is optional or mandatory when asked. Whether a question is asked depends on the incident category (fire, special service, false alarm) and the answer to previous questions.
- **Pre-populated** – indicates whether it is expected that this information can be automatically populated from the command and control system
- **Depends on** - indicates that the question is only asked depending on the answer to a previous question and gives the number of the question.
- **On FDR1** – indicates if the question (or similar) is currently asked on the FDR1 form.
- **Format** – indicates the format of the question. Examples could be drop-down, radio, text
- **Notes** – any specific notes about the question, for example it may only be asked for building fires. Also, if there is a specific reason that may not be obvious why the data is collected this is mentioned here.

5.1 Incident Identity

The incident identity section is used to record details on the identity of the incident to allow it to be uniquely identified.

Question 1.1 - FRS Incident Number

Incidents	All	Optional/Mandatory	Mandatory
Pre-populated?	Yes	Depends on	
On FDR1?	Yes	Format	Text
Notes:	This is a text field of 50 characters length.		

Question 1.2 - Fire and Rescue Service

Incidents	All	Optional/Mandatory	Mandatory
Pre-populated?	Yes	Depends on	
On FDR1?	Yes	Format	Drop Down List
Notes:	This list is as defined by convergence product 3 and is a 2 character code as listed below:		

Region	Sub Region / FRS	Region & Sub Region = FRSId Code
North East		
	Northumberland	AN
	Tyne & Wear	AT
	Durham	AD
	Cleveland	AC
North West		
	Cumbria	BC
	Lancashire	BL
	Greater Manchester	BG
	Merseyside	BM
	Cheshire	BE
Yorkshire & Humberside		
	North Yorkshire	DN
	West Yorkshire	DW
	South Yorkshire	DS
	Humberside	DH
East Midlands		
	Lincolnshire	EC
	Nottinghamshire	ET
	Derbyshire	ED
	Leicestershire	ES
	Northamptonshire	EM
West Midlands		
	Staffordshire	FT

Region	Sub Region / FRS	Region & Sub Region = FRSId Code
	West Midlands	FM
	Warwickshire	FS
	Hereford & Worcester	FE
	Shropshire	FH
East of England		
	Norfolk	GN
	Suffolk	GS
	Essex	GE
	Cambridgeshire	GC
	Bedfordshire	GB
	Hertfordshire	GH
London		
	London - North	HN
	London - South	HS
South East		
	Buckinghamshire	JC
	Surrey	JS
	Kent	JK
	East Sussex	JE
	West Sussex	JW
	Hampshire	JH
	Royal Berkshire	JY
	Oxfordshire	JX
	Isle of Wight	JT
South West		
	Gloucestershire	KG
	Wiltshire	KW
	Dorset	KT
	Avon	KA
	Devon & Somerset	KV
	Cornwall	KC
	Isles of Scilly	KL
Northern Ireland	Northern Ireland	NR
Wales		
	Wales - North	WN
	Wales - Mid	WM
	Wales - South	WS
Scotland		
	Highland and Islands	SH
	Grampian	SG
	Tayside	ST
	Lothian & Borders	SL
	Fife	SE
	Central	SC

Region	Sub Region / FRS	Region & Sub Region = FRSId Code
	Dumfries & Galloway	SD
Strathclyde		
	Argyll & Bute	TL
	East & West Dunbartonshire	TM
	North Lanarkshire	TN
	South Lanarkshire	TP
	East Ayrshire & East Renfrewshire	TQ
	North & South Ayrshire	TR
	Renfrewshire & Inverclyde	TS
	North West Glasgow	TT
	North East Glasgow	TU
	South Glasgow	TV

Question 1.3 - Station

Incidents	All	Optional/Mandatory	Optional
Pre-populated?	Yes	Depends on	
On FDR1?	Yes	Format	Drop Down (5 char)
Notes:	This field holds the station that handled the incident. This will be a 5 character text field using the National Call Signs as defined in convergence product 3. This format is Fxx99. Prior to using the IRS each FRS will need to provide a list of station details including call signs.		

Question 1.4 – Fire Officer ID

Incidents	All	Optional/Mandatory	Optional
Pre-populated?	Yes	Depends on	
On FDR1?	No	Format	Text (1 - 50 char)
Notes:	This is an optional field which is used to record the officer responsible for completing the incident report. It is a text field. For users of the IRS Online Forms this field will be automatically completed with details of the logged on user.		

Question 1.5 - Was this incident an 'Over the Border' Incident?

Incidents	All	Optional/Mandatory	Mandatory
Pre-populated?		Depends on	
On FDR1?	Yes	Format	Radio - Yes/No
Notes:	Used to indicate if the incident was an 'over the border' incident		

Question 1.6 - In which FRS was the Incident?

Incidents	All	Optional/Mandatory	Mandatory
Pre-populated?	Yes	Depends on	1.5 = 'Yes'
On FDR1?	No	Format	Drop Down
Notes:	<p>Same list as Question 1.2</p> <p>For 'Over the Border (OTB)' incidents indicates the FRS in whose territory the incident occurred. This uses the same list as Question 1.2. Note: This is defaulted to the value of Q1.2 if OTB is 'No'. The Web Service will also default the value of Q1.2 if OTN is 'Yes', but no specific value is provided via the interface.</p>		

Question 1.7 – What is the other FRSs Incident Number?

Incidents	All	Optional/Mandatory	Optional
Pre-populated?		Depends on	1.5 = 'Yes'
On FDR1?	No	Format	Text (1 – 50 chars)
Notes:	<p>This is a text field of 50 characters length.</p> <p>This is an optional field which allows the FRS in whose territory the incident occurred to record their own incident number to allow cross-referencing.</p>		

5.2 At Call Details

This section is used to record details on the incident as they were received by Command & Control which can be different from the details on attendance.

These details may be populated automatically if incident data is transmitted from the Command and Control system.

Question 2.1 –What was the time and date of call?

Incidents	All	Optional/Mandatory	Mandatory
Pre-populated?	Yes	Depends on	
On FDR1?	Yes	Format	Date/Time
Notes:	Used to indicate the time/date that the call to the incident was received.		

Question 2.2 – What was the origin of this call?

Incidents	All	Optional/Mandatory	Mandatory
Pre-populated?	Yes	Depends on	
On FDR1?	Yes	Format	Drop Down
Notes:	This field records where the call that raised the incident originated from.		

Code	Origin of call	Includes
1	Person (land line)	
2	Person (mobile)	
3	Person (running call)	
4	AFA from originator	
5	AFA from call centre	
10	Ambulance	
11	Police	
12	Coastguard	
13	Other FRS	
99	Other	
0	Not known	

Question 2.3 – What was the incident type when the call was received by the control room?

Incidents	All	Optional/Mandatory	Mandatory
Pre-populated?	Yes	Depends on	
On FDR1?	No	Format	Hierarchy
Notes:	This field records the incident type as received when the call was received, this could be different from the actual incident type at attendance which is recorded in Question 3.1.		

The list is based on the Convergence Product 13 list. A 'Not known' value has been added to allow pre-population by mobilising systems that do not record a value (e.g. descriptive text only) – a business rule exists that prevents an incident being 'published' with a value of 'Not Known'.

The incident types are split into 7 generic groups, which are:

- A - Alarms
- E - Explosion
- F - Fire
- HM - Hazardous Material
- R - Rescues
- UA - Unlawful Act
- HA - Humanitarian or Assistance

The full list is given in Section 6 'Hierarchy Lists'.

Incident priority at Call (hidden)

Incidents	All	Optional/Mandatory	Mandatory
Pre-populated?	Yes	Depends on	
On FDR1?	No	Format	Number. 1-5
Notes:	This question exists in the XML schema, but is not shown on the forms. It is defined as part of the Convergence product 13. And is maintained for consistency. The field is set by selecting the Mobilise Incident Type. Refer to Section 6 'Hierarchy Lists'.		

Question 2.4 – Was this incident a 'Late Call'?

Incidents	Fire	Optional/Mandatory	Mandatory
Pre-populated?	Yes	Depends on	
On FDR1?	Yes	Format	Yes/No
Notes:	Defaulted to 'No' unless Q2.3 is 'Late Fire Call'.		

Question 2.5 – Time/Date of Stop Message

Incidents	All	Optional/Mandatory	Mandatory
Pre-populated?	Yes	Depends on	
On FDR1?	Yes	Format	Date/Time
Notes:	Used to indicate the time/date of the incident stop message.		

Question 2.6 – Time/Date Incident Closed

Incidents	All	Optional/Mandatory	Mandatory
Pre-populated?	Yes	Depends on	
On FDR1?	Yes	Format	Date/Time
Notes:	Used to indicate the time/date that the incident was closed.		

5.3 On Attendance Details

The questions in this section gather information on the incident as observed on attendance as opposed to the information gathered by Command & Control. Some of the initial questions are used to determine the type of incident e.g. primary or secondary fire and subsequently to determine which further questions need to be asked.

Additional information recorded on the On Attendance form depends on the type of incident and includes:

- incident timings
- property type
- special status of the incident i.e. late call

Question 3.1 – Please indicate if the incident is a Fire, Special Service, or False Alarm Incident

Incidents	All	Optional/Mandatory	Mandatory
Pre-populated?		Depends on	
On FDR1?	No	Format	Drop Down
Notes:	This field records the category of the incident whether it was a 'Fire', 'SpecialService' or 'FalseAlarm'. This field is used to determine which further questions are asked.		

Question 3.2 – What type of Property was involved?

Incidents	All	Optional/Mandatory	Mandatory
Pre-populated?		Depends on	
On FDR1?	No	Format	Hierarchy (Numeric 0 – 9999)
Notes:	This is one of the key fields in the data collection and is recorded for all incidents. It is used to record the type of property at/in which the incident occurred. This is a large list and is defined as a hierarchy. The property types are split into the following 9 categories:		

Category	Covering
Dwelling	residential homes and HMOs
Other Residential	hostels, B&Bs, Nursing homes, Student halls of residence etc.
Non Residential Buildings	offices, shops, factories, warehouses, restaurants, cinemas, public buildings, religious buildings, agricultural buildings, railway stations, sheds etc
Road Vehicle	
Rail Vehicle	
Aircraft	
Boat	
Outdoor	fields, grassland, woodland, refuse containers, post boxes, derelict vehicles, derelict buildings etc
OutdoorStructures	

The full list is given in Section 6 'Hierarchy Lists'. In the list, there are some extra fields for each property which are used to indicate various things e.g. if the property is subject to the FIRE SAFETY REGULATIONS. These 'flags'

are used to set defaults and in form-routing.

Question 3.3 – Special Services Incident Type

Incidents	Special Service	Optional/Mandatory	Mandatory
Pre-populated?		Depends on	
On FDR1?	No	Format	Hierarchy (Numeric 1 – 9999)
Notes:			

The special service type is split into the following highest level categories:

- Road Traffic Collisions (RTC)
- Other transport incidents
- Flooding
- Rescue or evacuation from water
- Other rescue/release of persons
- Animal assistance incidents
- Hazardous Materials incident
- Spills and Leaks (not RTC)
- Lift Release
- Effecting entry/exit
- Removal of objects from people
- Suicide/attempts
- Medical Incident - Co-responder/First responder
- Evacuation (no fire)
- Water provision
- Assist other agencies
- Advice Only
- Stand By
- No action (not false alarm)

The full list is given in Section 6 'Hierarchy Lists'.

Question 3.4 – What was the reason for the False Alarm?

Incidents	False Alarm	Optional/Mandatory	Mandatory
Pre-populated?		Depends on	
On FDR1?	No	Format	Hierarchy
Notes:			

The false alarm types are split into 3 high levels categories:

- Malicious false alarm
- Fire alarm due to apparatus
- Good intent false alarm

The full list of the false alarm types is given in Section 6 ‘Hierarchy Lists’.

Question 3.5 – Please indicate if there were persons rescued, extricated, injured or killed in the incident?

Incidents	All	Optional/Mandatory	Mandatory
Pre-populated?		Depends on	
On FDR1?	Yes	Format	Radio – Yes/No
Notes:	Used to determine further questions to ask.		

Question 3.6 – Please indicate if there were persons evacuated in the incident with or without FRS assistance

Incidents	All	Optional/Mandatory	Mandatory
Pre-populated?		Depends on	
On FDR1?	No	Format	Radio – Yes/No
Notes:	Used to determine further questions to ask.		

Question 3.7 – How many pumping appliances attended the incident before mobilisation stopped?

Incidents	Fire	Optional/Mandatory	Mandatory
Pre-populated?		Depends on	
On FDR1?	No	Format	Number 0 - 999
Notes:	Used to determine further questions to ask. Determines if a fire is a primary or secondary fire.		

Question 3.8 – Was all property (including buildings and vehicles) involved in the fire derelict?

Incidents	Fire	Optional/Mandatory	Mandatory
Pre-populated?		Depends on	
On FDR1?	No	Format	Radio – Yes/No
Notes:	Used to determine further questions to ask. Determines if a fire is primary or secondary fire. Only shown if the Property type is one which is normally a primary fire (defined in the Property type taxonomy)		

Question 3.9 – Was this a chimney fire?

Incidents	Fire	Optional/Mandatory	Mandatory
Pre-populated?		Depends on	
On FDR1?	Yes	Format	Radio – Yes/No
Notes:	Used to determine further questions to ask. Determines if a fire is a primary or secondary fire. Only displayed if a Building fire and not derelict. Defaulted to ‘Yes’ if Q2.3 is ‘Chimney Thatch’ or ‘Chimney’, otherwise defaulted to ‘No’.		

Question 3.10 – Was there an attack on FRS Personnel travelling to/from or at the incident?

Incidents	All	Optional/Mandatory	Mandatory
Pre-populated?		Depends on	
On FDR1?	No	Format	Radio – Yes/No

Notes:	
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Question 3.11 - Type of Attack

Incidents	All	Optional/Mandatory	Mandatory
Pre-populated?		Depends on	3.10 = Yes
On FDR1?	No	Format	Drop Down
Notes:			

Code	Type of Attack	Includes
1	Objects thrown at firefighters/appliances	
2	Physical abuse	
3	Verbal abuse	
4	Harassment	
5	Other acts of aggression	

Question 3.12 – Number of Serious Injuries to FRS personnel

Incidents	All	Optional/Mandatory	Mandatory
Pre-populated?		Depends on	3.10 = Yes
On FDR1?	No	Format	Number (0 – 999)
Notes:			

Question 3.13 – Number of Slight Injuries to FRS personnel

Incidents	All	Optional/Mandatory	Mandatory
Pre-populated?		Depends on	3.10 = Yes
On FDR1?	No	Format	Number (0 – 999)
Notes:			

Is the fire a primary fire? - IsPrimaryFire flag (Fire classification)

Incidents	Fire	Optional/Mandatory	Mandatory
Pre-populated?		Depends on	3.1, 3.2, 3.5, 3.7, 3.8, 3.9
On FDR1?	No	Format	IsPrimaryFire = Yes/No
Notes:	This flag is automatically calculated dependent on the answers given. The definition of a primary fire		

The 'IsPrimaryFire' value will not be set for 'IncidentCategory' of 'SpecialService' or 'FalseAlarm'. It can only be set to 'yes/no' for 'Fires'.

If the Fire is a 'Secondary' or 'Chimney' Fire then it is not necessary to enter any further detailed PropertyCategory related fields of information defined in the following sub-sections.

The following table is included to provide further assistance in understanding the logic associated with setting of 'IsPrimaryFire' and the Classification.

1. Table Format

Q3.5 - WereVictims Involved?	Q3.7 - NumberOf Appliances	Q3.2 - PropertyType (IsPrimaryFire attribute)	Q3.8 - IsDerelict	Q3.9 - IsChimneyFire (Buildings Only)	IsPrimaryFire setting based on rules	Fire Classification
Yes	Any	Any	No	No	Yes	Primary
Any	>=5	Any	No	No	Yes	Primary
No	<5	Yes	No	No	Yes	Primary
No	<5	Yes	Yes	No	No	Secondary
No	<5	Yes	No	Yes	No	Chimney
No	<5	No	No	No	No	Secondary

Notes:

- The 'pink' cells indicate the key decisions that define the Fire Classification.
- The 'greyed-out' questions are not asked, but defaulted to 'no' as they are not relevant for the Fire.
- 'Any' refers to any value permitted by the schema.
- isDerelict is only asked/permitted for PropertyTypes that have IsPrimaryFire attribute set to 'yes'.
- isChimneyFire is only asked/permitted for Buildings that are not Derelict.

5.4 Location Details

A key piece of information that the IRS collects for all incidents is the accurate incident location. For all incidents it is mandatory to have the grid location (easting and northing co-ordinates), in addition for

addressable locations the address details can be recorded.

Within the IRS forms system, for addressable locations the user locates the address using a gazetteer and this determines the co-ordinates. For non-addressable locations the user will select the location on a map.

Question 4.1 – Did the Incident occur at an addressable location?

Incidents	All	Optional/Mandatory	Mandatory
Pre-populated?	Yes	Depends on	
On FDR1?	Yes	Format	Radio – Yes/No
Notes:			

Question 4.2 – Location Address*

Incidents	All	Optional/Mandatory	Mandatory
Pre-populated?	Yes	Depends on	4.1 = Yes
On FDR1?	Yes	Format	In XML – BS7666 format
Notes:			

On the forms the following fields are displayed/ entered:

- 4.2a – Building Name/Number
- 4.2b – Postcode
- 4.2c – Flat/Unit Name/Number
- 4.2d – Street
- 4.2e – Locality
- 4.2f – Town
- 4.2g - County

Note: 4.2a, 4.2d are always required. At least one field of 4.2e, 4.2f and 4.2g is required.

Question 4.2k – Additional Location description

Incidents	All	Optional/Mandatory	Optional
Pre-populated?	Yes	Depends on	4.1 = No
On FDR1?	No	Format	Text
Notes:			

Question 4.3a/b – Location co-ordinates (Easting and Northing)

Incidents	All	Optional/Mandatory	Mandatory
Pre-populated?	Yes	Depends on	
On FDR1?	Yes	Format	In XML – BS7666 format Numbers 1 - 9999999
Notes:	On the forms the following fields are displayed/ entered for Addressables and Non-addressables: 4.3a – X—Coordinate (Easting) 4.3b – Y-Coordinate (Northing)		

5.5 Additional Information

The additional information section collects extra information depending on the type of incident.

In this section details of hazardous materials, RTC's and extrications are collected.

Question 5.1 – Did the fire have multiple seats?

Incidents	Primary Fire	Optional/Mandatory	Mandatory
Pre-populated?		Depends on	
On FDR1?	Yes	Format	Radio – Yes/No
Notes:	Useful indicator of arson.		

Question 5.2 – How long was it between Ignition and Discovery?

Incidents	Primary Fire	Optional/Mandatory	Mandatory
Pre-populated?		Depends on	
On FDR1?	Yes	Format	Drop Down
Notes:	<p>This field records the approximate time elapsed from the ignition of the fire to its discovery.</p> <p>This field together with 5.3 and the other fields relating to fire growth provide data which can be used to determine the relationship between attendance time and fire size. This is vital to accurate risk modelling and analysis.</p>		

Code	Ignition to discovery	Includes
1	Immediately	
2	Under 5 minutes	
3	5 to 30 minutes	
4	Over 30 minutes and up to 2 hours	
5	Over 2 hours	
0	Not known	

Question 5.3 – How long was it between Discovery and First Call?

Incidents	Primary Fire	Optional/Mandatory	Mandatory
Pre-populated?		Depends on	
On FDR1?	Yes	Format	Drop Down
Notes:	This field records the estimated time elapsed from discovery of the fire to the first call made to fire Command & Control.		

Code	Discovery to first call	Includes
1	Immediately	
2	Under 5 minutes	
3	5 to 30 minutes	

Code	Discovery to first call	Includes
4	Over 30 minutes and up to 2 hours	
5	Over 2 hours	
0	Not known	

Question 5.4 – How was the fire discovered?

Incidents	Primary Fire	Optional/Mandatory	Mandatory
Pre-populated?		Depends on	
On FDR1?	Yes	Format	Drop Down
Notes:			

Code	How discovered	Includes
1	Person	running call
2	Automatic alarm system	
99	Other	animal

Question 5.5 – Do fire safety regulations apply? (Consider if incident is not located in domestic premises).

Incidents	Primary Fire	Optional/Mandatory	Mandatory
Pre-populated?		Depends on	
On FDR1?	Yes	Format	Radio – Yes/No
Notes:	For Building Primary fires only. This field is defaulted based on the selected property type, but this allows it to be overridden. Also used to determine other questions to be asked.		

Question 5.6 – Means of Escape

Incidents	Primary Fire	Optional/Mandatory	Mandatory
Pre-populated?		Depends on	5.5 = Yes
On FDR1?	No	Format	Drop Down
Notes:	Will be used for trend analysis and monitoring of FIRE SAFETY REGULATIONS. Default to 'Not applicable' if Q5.5 = No		

Code	Means of Escape	Includes
1	OK – no visible concerns	
2	Exits locked	
3	Exits blocked (e.g. Materials stored blocking exit)	
4	Exit route blocked by smoke/flames	
5	Poor implementation e.g. doors swing the wrong way	
6	Contents contributing to abnormal fire spread /smoke production	
98	Not applicable	Should not be selected.

99	Other	
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Question 5.7 – Compartmentation

Incidents	Primary Fire	Optional/Mandatory	Mandatory
Pre-populated?		Depends on	5.5 = Yes
On FDR1?	No	Format	Drop Down
Notes:	Will be used for trend analysis and monitoring of FIRE SAFETY REGULATIONS. Default to 'Not applicable' if Q5.5 = No		

Code	Compartmentation	Includes
1	Stopped/checked spread	
2	Breached - current building work	
3	Breached - previous building work	
4	Breached - fire doors left open or incorrectly fitted	
5	Damage to compartmentation	
6	Fire spread through gaps or voids in construction	
90	No compartmentation in building	
98	Not applicable	
99	Other	

Question 5.8 – Was there any alarm system present?

Incidents	Primary Fire	Optional/Mandatory	Mandatory
Pre-populated?		Depends on	Building Primary Fires Only
On FDR1?	Yes	Format	Radio – Yes/No/Don't know
Notes:	Used to determine which other questions to ask. Default to 'Yes' if Q3.2 derived value IsPropertyRegulated (FIRE SAFTEY REGULATIONS) = Yes.		

Question 5.9 – Alarm Systems Type

Incidents	Primary Fire	Optional/Mandatory	Mandatory
Pre-populated?		Depends on	5.8 = Yes
On FDR1?	Yes	Format	Drop Down
Notes:			

Code	Alarm Systems present in vicinity of fire (origin of fire)	Category
2	Smoke alarm – 1 year battery	Battery
3	Smoke alarm - long life battery	Battery
4	Smoke alarm – mains	Mains
5	Smoke alarm - mains and battery	Mains
6	Smoke alarm - Battery type not known	Battery
7	Mains security system including smoke alarm	Mains
99	Other	Other/ unspecified
0	Not known	Not known

Question 5.10 - Alarm System Location

Incidents	Primary Fire	Optional/Mandatory	Mandatory
Pre-populated?		Depends on	5.8 = Yes
On FDR1?	Yes	Format	Drop Down
Notes:			

Code	Location of alarm system	Includes
1	In room of origin of fire	
2	On same floor as fire	
3	Different floor from fire	

Question 5.11 – Alarm System Operated?

Incidents	Primary Fire	Optional/Mandatory	Mandatory
Pre-populated?		Depends on	5.8 = Yes
On FDR1?	Yes	Format	Drop Down
Notes:			

Code	Did Alarm System operate?	Includes
1	No	
2	Yes, but did not raise alarm	
3	Yes and raised alarm	

Question 5.12 – Reason system did not function as intended

Incidents	Primary Fire	Optional/Mandatory	Mandatory
Pre-populated?		Depends on	5.8 = Yes + 5.11 = 'No' or 'Yes, but did not raise alarm'
On FDR1?	Yes	Format	Drop Down
Notes:	The options presented are based on the value of Question 5.11 Did Alarm System Operate?		

Code	Reason if poor outcome (Alarm Systems – All values)	Options presented based on value of 5.11 Q69a) Did Alarm System Operate?
1	Alarm battery missing	No
2	Alarm battery defective	No
3	System not set up correctly	No
4	System damaged by fire	No
5	Fire not close enough to detector	No
6	Fault in system	No
9	System turned off	No
10	Fire in area not covered by system	No
11	Detector removed	No
12	Alerted by other means	No
20	Alarm was raised before the system operated	Yes, but did not raise alarm
21	No person in earshot	Yes, but did not raise alarm
22	Occupants did not respond	Yes, but did not raise alarm
23	No other person responded	Yes, but did not raise alarm
99	Other	(Applies to both)
0	Not known	(Applies to both)

Question 5.13 – Was there anyone in the building at the time of the fire?

Incidents	All Fires	Optional/Mandatory	Mandatory
Pre-populated?		Depends on	
On FDR1?	Yes	Format	Radio – Yes/No/Don't know
Notes:	For building fires only		

Question 5.14 – Is the building normally occupied?

Incidents	All Fires	Optional/Mandatory	Mandatory
Pre-populated?		Depends on	
On FDR1?	Yes	Format	Drop Down
Notes:	For building fires only		

Code	Is the Building normally occupied? (occupation status)	Includes
1	Yes - occupied	
3	No - unoccupied permanently (vacant)	
4	No - under construction	
0	Not known	

Question 5.15 – Cause/Motive

Incidents	All Fires	Optional/Mandatory	Mandatory
Pre-populated?		Depends on	
On FDR1?	Yes	Format	Drop Down
Notes:			

Code	Motive	Includes
1	Accidental	
2	Deliberate – own property	
3	Deliberate – others property	
4	Deliberate – unknown owner	
0	Not known	

Question 5.16 – Estimated Fire Damage (sq. m.)

Incidents	Secondary Outdoor Fires	Optional/Mandatory	Mandatory
Pre-populated?		Depends on	
On FDR1?	Yes	Format	Drop Down
Notes:	<p>Question 8.35 is the same question but for Primary Fires. For outdoor secondary fires only This will be used for international reporting and comparisons (EU, UN). It will also be useful for environmental assessments and potentially monitoring of climate change.</p> <p>Note: Fire Damage that is over 10,000 square metres (1 hectare) will be captured as an additional attribute 'Please specify the fire damage area in hectares' defining the number of hectares damaged (1 to 9,999,999).</p> <p>If Q5.16 is set to 12 for Outdoor Fires, then additional question Q5.16a will appear.</p>		

Code	Area – sq metres	Includes
0	0	
1	Up to 5	
2	6 – 10	
3	11 -20	
4	21 – 50	
5	51 – 100	
6	101 – 200	
7	201 – 500	
8	501 – 1,000	
9	1,001 – 2,000	
10	2,001 – 5,000	
11	5,001 – 10,000	
12	Over 10,000	

Question 5.16a – Please specify the fire damage area in hectares

Incidents	Secondary Outdoor Fires	Optional/Mandatory	Mandatory
Pre-populated?		Depends on	Q5.16 = 12
On FDR1?	No	Format	Number (0 – 9999999)
Notes:			

Question 5.17 – If grassland/woodland, was fire in an area designated as a National Park?

Incidents	Secondary Outdoor Fires	Optional/Mandatory	Mandatory
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Pre-populated?		Depends on	
On FDR1?	No	Format	Radio – Yes/No
Notes:	Question 8.36 is the same question but for Primary Fires. For outdoor secondary fires only		

Question 5.18 – Were there any hazardous materials Involved?

Incidents	Fire, Special Service	Optional/Mandatory	Mandatory
Pre-populated?		Depends on	
On FDR1?	Yes	Format	Radio – Yes/No/Don't know
Notes:	Defaulted to Yes for SpecialService Hazmat Incidents derived from the Mobilise Incident Type Heirarchy (IsHazMat value). Defaulted to 'No' for all others.		

Question 5.19 – What hazardous materials were involved? (Please list the UN numbers of the hazardous materials)

Incidents	Fire, Special Service	Optional/Mandatory	Mandatory
Pre-populated?		Depends on	5.18 = Yes
On FDR1?	No	Format	Drop Down (4 digit value)
Notes:	A Drop down list is provided of the most commonly used values for convenience (see below).		

UN Number	Description	Includes
1001	Acetylene	
1005	Ammonia	
1017	Chlorine	
1202	Diesel fuel	
1789	Hydrochloric acid	
1223	Kerosene	
1075	LPG	
2031	Nitric acid	
1072	Oxygen, compressed	
1073	Oxygen, refrigerated liquid	
1203	Petrol	
1823	Sodium hydroxide solid	
1824	Sodium hydroxide solution	
1830	Sulphuric acid (over 51%)	
2796	Sulphuric acid (51% or less)	

Question 5.20 – What is the Emergency Action Code for this material?

Incidents	Fire, Special Service	Optional/Mandatory	Optional
Pre-populated?		Depends on	5.18 = Yes
On FDR1?	No	Format	2 – 3 characters
Notes:	A specific format of digits and letters		

Question 5.21 – What is the Hazard Identification Number for this material?

Incidents	Fire, Special Service	Optional/Mandatory	Optional
Pre-populated?		Depends on	5.18 = Yes
On FDR1?	No	Format	1 – 4 char
Notes:	A specific format of digits and letters		

Question 5.22 – Was the incident an RTC?

Incidents	Fire, Special Service	Optional/Mandatory	Mandatory
Pre-populated?		Depends on	3.2 or 3.3
On FDR1?	No	Format	Radio – Yes/No
Notes:	<p>Only shown for Fires with PropertyType of RoadVehicles and RTC Special Services (attribute on Property Type Hierarchy). Defaulted to No for all others.</p> <p>Default to 'Yes' if Q3.3 Special Service Type Hierarchy derived value IsRTC = Yes.</p>		

Question 5.23 – Number of cars/small vehicles involved

Incidents	Fire, Special Service	Optional/Mandatory	Mandatory
Pre-populated?		Depends on	5.22 = Yes, 3.2
On FDR1?	No	Format	Number 0-9999
Notes:	Only for Property Type of 'Multiple Vehicles' [Code = 150].		

Question 5.24 – Number of large vehicles involved

Incidents	Fire, Special Service	Optional/Mandatory	Mandatory
Pre-populated?		Depends on	5.22 = Yes, 3.2
On FDR1?	No	Format	Number 0-9999
Notes:	Only for Property Type of 'Multiple Vehicles' [Code = 150].		

Question 5.25 – Number of motorbikes involved

Incidents	Fire, Special Service	Optional/Mandatory	Mandatory
Pre-populated?		Depends on	5.22 = Yes, 3.2
On FDR1?	No	Format	Number 0-9999
Notes:	Only for Property Type of 'Multiple Vehicles' [Code = 150].		

Question 5.26 – Were any RTC extrications performed?

Incidents	Fire, Special Service	Optional/Mandatory	Mandatory
Pre-populated?		Depends on	5.22 = Yes
On FDR1?	No	Format	Radio – Yes/No
Notes:			

Question 5.27 – Vehicle Type (for each type of vehicle where an extrication was performed)

Incidents	Fire, Special Service	Optional/Mandatory	Mandatory
Pre-populated?		Depends on	5.22 = Yes
On FDR1?	No	Format	Drop Down
Notes:			

Code	Extrication: Type of Vehicle?	Includes
1	Car	
2	Van	
3	Motor Home	
4	Agricultural	
5	Motorcycle	
6	Lorry/HGV	
7	Bus/coach	
8	Minibus	
9	Caravan on tow	
99	Other	

Question 5.28 – Position of Vehicle

Incidents	Fire, Special Service	Optional/Mandatory	Mandatory
Pre-populated?		Depends on	5.22 = Yes
On FDR1?	No	Format	Drop Down
Notes:	This information can be used to determine training needs and best practice.		

Code	Extrication: Type of Vehicle?	Includes
1	On wheels	
2	On roof	
3	On side	
99	Other	

Question 5.29 – Type of extrication method used

Incidents	Fire, Special Service	Optional/Mandatory	Mandatory
Pre-populated?		Depends on	5.22 = Yes
On FDR1?	No	Format	Drop Down
Notes:	This information can be used to determine training needs and best practice.		

Code	Extrication: Method Used?	Includes
1	Dashboard roll	
2	Roof removal	
3	Roof flap (vehicle on side)	
4	B post rip	
5	Side removal (vehicle on roof)	
99	Other space creation	

Question 5.30 - Time Taken for extrication

Incidents	Fire, Special Service	Optional/Mandatory	Mandatory
Pre-populated?		Depends on	5.22 = Yes
On FDR1?	No	Format	Drop Down
Notes:	Can be used to determine the impact of FRS attendance and effectiveness of intervention.		

Code	Extrication: Time Taken?	Includes
1	Up to 15 minutes	
2	16-30 minutes	
3	31-45 minutes	
4	46-60 minutes	
5	Over 60 minutes	

5.6 Resources Used

The resources used section records the appliances that attended the incident and the equipment used during the incident.

This information hasn't been collected in such detail before, on the FDR1 only the total number of appliances and main jets used were collected.

The XML Schema also allows for the Firefighter callsigns to be recorded, but these are not described here as they are not displayed/used in the forms. They can, however, be pre-populated by a Command and Control system.

Question 6.1 – How many officers (non-rider) attended the incident that did not travel on the FRS appliance(s)?

Incidents	All	Optional/Mandatory	Mandatory
Pre-populated?		Depends on	
On FDR1?	No	Format	Number 0-9999
Notes:	Defaulted to zero.		

Question 6.2 – Please enter information known about the FRS vehicle(s) attending the incident

Incidents	All	Optional/Mandatory	Mandatory
Pre-populated?	Yes	Depends on	
On FDR1?	No	Format	Drop-Down (3 char)
Notes:	<p>Knowing the type of vehicle used is key to allow IRMP and analysis of differing responses.</p> <p>This list is based on the FireControl Convergence Product 3 definitions but has had to be modified slightly as they have an attribute based mobilising model and the IRS records actual vehicles sent.</p> <p>Note: TPT = 'Prime movers / Tractor units' will not be a value that can be used for IRS system. PLT, PSF, TFF, TOC have been added for the IRS system.</p>		

Vehicle Type Code	Category Id	Description
ATL	Aerial	Turntable ladder
AHP	Aerial	Hydraulic platform
ALP	Aerial	Aerial ladder platform
AWT	Aerial	Water tower
AA	Aerial	Other aerial appliance
BTF	Boat	Fire boat
BTI	Boat	Inshore waters boat
BTC	Boat	Coastal waters boat
BTR	Boat	Rescue boat
BTS	Boat	Safety boat
BTT	Boat	Transport boat

Vehicle Type Code	Category Id	Description
CCU	Command	Control unit
CFC	Command	Forward control unit
CSU	Command	Command unit
CS	Command	Command support
FIU	Fire Investigation	Fire investigation unit
HHM	Hazmat	Hazardous materials unit
HCU	Hazmat	Chemical unit
HIR	Hazmat	Incident response unit
PPL	Pumping	Pump / Pump ladder
PWT	Pumping	Water tender
PWL	Pumping	Water tender ladder
HDP	Pumping	Heavy duty pump
PLT	Pumping	L4T – 4 x 4 or other off road or specialist vehicle
PSF	Pumping	Small fires unit
RRT	Rescue	Rescue tender
RRU	Rescue	Fire rescue unit
RUU	Rescue	Urban search and rescue unit
RCV	Rescue	Co-responder vehicle
RSV	Rescue	Other specialist vehicle
SST	Support	Salvage tender / Damage control unit
SFT	Support	Foam tender
SBA	Support	BA lorry / BA van
SCV	Support	Canteen van
TGL	Transport	General purpose lorry
TGV	Transport	General purpose van
TPT	Transport	Prime movers / Tractor units
TC	Transport	Personnel carriers
TFF	Transport	4 x 4
TOC	Transport	Officer's car
WHL	Water management	Hose layer
WTK	Water management	Water carrier / Tanker

Question 6.3 – Callsign (FRS and/or RCC callsign)

Incidents	All	Optional/Mandatory	Mandatory
Pre-populated?	Yes	Depends on	
On FDR1?	No	Format	FRS callsign (1 – 50 characters) RCC callsign (7 characters)
Notes:	This can be the FRS callsign or the RCC callsign or both. The RCC callsigns are as defined in the FiReControl convergence product 3 for mobile resources.		

Question 6.4 – How many crew were dispatched with the vehicle?

Incidents	All	Optional/Mandatory	Mandatory
Pre-populated?	Yes	Depends on	
On FDR1?	No	Format	Number 0-20
Notes:			

Question 6.5 – Was the resource demounted from a vehicle for use at the scene (e.g. a pod)?

Incidents	All	Optional/Mandatory	Mandatory
Pre-populated?	Yes	Depends on	
On FDR1?	No	Format	Radio – Yes/No
Notes:	This field is used to indicate if this was a demounted resource. For the IRS we are interested in the actual equipment not how it got there. For example a Command Unit could be a vehicle or a demountable unit. Default to No.		

Question 6.6 – What time was the appliance mobilised?

Incidents	All	Optional/Mandatory	Optional
Pre-populated?	Yes	Depends on	
On FDR1?	No	Format	Date/Time
Notes:			

Question 6.7 – What time was the appliance mobile?

Incidents	All	Optional/Mandatory	Optional
Pre-populated?	Yes	Depends on	
On FDR1?	No	Format	Date/Time
Notes:			

Question 6.8 – What time did the appliance arrive at the scene?

Incidents	All	Optional/Mandatory	Mandatory
Pre-populated?	Yes	Depends on	

On FDR1?	No	Format	Date/Time
Notes:			

Question 6.9 – What time was the appliance available for other calls?

Incidents	All	Optional/Mandatory	Mandatory
Pre-populated?	Yes	Depends on	
On FDR1?	No	Format	Date/Time
Notes:			

Question 6.10 – Where was the Appliance Deployed from?

Incidents	All	Optional/Mandatory	Mandatory
Pre-populated?	Yes	Depends on	
On FDR1?	No	Format	Radio – HomeStation / OtherStation / OtherLocation
Notes:	This is used to indicate whether the appliance was deployed from the home station or not. If an appliance is deployed when 'on the run' then this needs to be known if any analysis of effectiveness of response is to be made.		

Question 6.11 – FRS / Station ID?

Incidents	All	Optional/Mandatory	Mandatory
Pre-populated?	Yes	Depends on	6.10 = OtherStation
On FDR1?	No	Format	Drop Down(s) 2 char + 3 char
Notes:	The value is defaulted from the FireOfficers logon username for 6.10 = HomeStation. It is only displayed for 6.10 = OtherStation . This uses the drop-down lists used for Q1.2 and Q1.3.		

Question 6.12 – Was the Appliance Deployed from an addressable location?

Incidents	All	Optional/Mandatory	Mandatory
Pre-populated?	Yes	Depends on	6.10 = OtherLocation
On FDR1?	No	Format	Radio – Yes/No
Notes:			

Question 6.13 – Deployed from address

Incidents	All	Optional/Mandatory	Mandatory
Pre-populated?	Yes	Depends on	6.10 = OtherLocation and 6.12 = Yes
On FDR1?	No	Format	
Notes:	Address format is the same as the Q4.2 Incident Location Address.		

Question 6.14a & b – Deployed from co-ordinates

Incidents	All	Optional/Mandatory	Mandatory
Pre-populated?	Yes	Depends on	6.10 = OtherLocation
On FDR1?	No	Format	7 digits
Notes:	Same format as the Q4.3 Incident Location Coordinates.		

Deployed To Location (not available on the forms)

Incidents	All	Optional/Mandatory	Optional
Pre-populated?	Yes	Depends on	
On FDR1?	No	Format	Radio – Yes/No
Notes:	<p>Same format as the Q4.3 Incident Location Coordinates.</p> <p>This question exists in the XML schema, but is not shown on the forms. It allows the location to which an appliance is 'deployed to' be recorded. With the introduction of RCCs this information will become available.</p>		

Question 6.15 – Was any equipment used at the incident?

Incidents	All	Optional/Mandatory	Mandatory
Pre-populated?	Yes	Depends on	
On FDR1?	No	Format	Radio – Yes/No
Notes:	<p>Used to indicate if any equipment was used at the incident. For a false alarm this would normally not be required but there may be instances where resources were used, so the capability is allowed.</p> <p>Defaulted to Yes for Fire and Special Service, defaulted to No for False Alarms and Late Calls.</p> <p>For special service the user can select 'No' e.g. for Standby , or Advice only.</p>		

Question 6.16 – Type of Equipment Used

Incidents	All	Optional/Mandatory	Mandatory
Pre-populated?		Depends on	6.15 = Yes
On FDR1?	No	Format	Drop Down
Notes:	<p>This field records the type of actual equipment that was used at the incident. Together with Question 6.17, which records the number used, it shows what was required to handle the incident.</p> <p>This information can be used to allow a National analysis of response requirements and equipment usage. This will provide input to resource needs analysis and is an input to the determination of 'Best Practice'.</p> <p>This list is based on the FireControl Convergence Product 3 definitions but has been added to, in particular to allow for the smaller equipment items.</p>		

Equipment Type Code	Category Id	Description
1	Water Delivery	Hosereel – high pressure
2	Water Delivery	Hosereel – low pressure
3	Water Delivery	Main line/jet
4	Water Delivery	Monitor – high pressure
5	Water Delivery	Monitor – low pressure
6	Water Delivery	Fire bucket
12	Water delivery	Stirrup pump
7	Water Delivery	Other
8	Foam	Low expansion
9	Foam	Medium expansion
10	Foam	High expansion
11	Foam	Other
20	Extinguisher	Water

Equipment Type Code	Category Id	Description
21	Extinguisher	CO2
22	Extinguisher	Dry powder
23	Extinguisher	Other
24	PPV	Active firefighting
25	PPV	Smoke clearance
26	PPV	Fire other
27	RPE	CABA – standard duration
28	RPE	CABA – extended duration
29	RPE	Oxygen BA
30	RPE	Other
40	Ladders	13.5m
41	Ladders	9/10.5m
42	Ladders	Roof ladder
43	Ladders	Short extension
44	Ladders	Triple/Short extension ladder
45	Ladders	Other
50	Lifting & Hydraulic	Cutters/Spreaders
51	Lifting & Hydraulic	Combi tools
52	Lifting & Hydraulic	Door opener
53	Lifting & Hydraulic	Rams
54	Lifting & Hydraulic	Air bags
55	Lifting & Hydraulic	Lifting & animal harnesses, straps
56	Lifting & Hydraulic	Winches
57	Lifting & Hydraulic	Other
60	Decontamination Equipment	Decontamination equipment
61	Chemical Protective Clothing	gas tight
62	Chemical Protective Clothing	non-gas tight
63	Line rescue	Line rescue
64	Detection/Location Equipment	Thermal imaging camera
65	Detection/Location Equipment	Flexible cameras
66	Detection/Location Equipment	DIM (ND)
67	Detection/Location Equipment	Other
70	First aid	Defibrillator (AED)

Equipment Type Code	Category Id	Description
71	First aid	Oxygen
72	First aid	Resuscitator
58	First aid	Spinal board
73	First aid	Other
74	Electric Saws/Cutters	Electric Saws/Cutters
75	Pumping Equipment	Electric submersible pump
76	Pumping Equipment	Portable pump
77	Pumping Equipment	Vacuum , suction hose
78	Environment Agency Equipment	Environment agency equipment
79	Forcible Entry Tools	Axes/Hammers/Crowbars/Croppers
80	Lift Keys	Lift keys
85	Wild fire	Fire beaters
86		Rakes, shovels, mathooks
87		Knapsacks
88		Strategically located water tanks
81	Mud/Rescue Paths	Mud/Rescue paths
82	Small tools	Shovels/Forks/Brooms/Chimney Rods
90	Fire investigation dog	Fire investigation dog

Question 6.17 – Number Used

Incidents	All	Optional/Mandatory	Mandatory
Pre-populated?		Depends on	6.15 = Yes
On FDR1?	No	Format	Number 0 - 999
Notes:			

Call sign of Equipment

Incidents	All	Optional/Mandatory	Optional
Pre-populated?		Depends on	6.15 = Yes
On FDR1?	No	Format	RCC text (7 char) or FRS text (1-50 char)
Notes:	This question exists in the XML schema, but is not shown on the forms. For each equipment item used at the incident, the call sign can be recorded.		

Call sign of Firefighter

Incidents	All	Optional/Mandatory	Optional
Pre-populated?		Depends on	
On FDR1?	No	Format	RCC text (7 char) or FRS text (1-50 char)
Notes:	This question exists in the XML schema, but is not shown on the forms. For each fire officer attending the incident, the call sign can be recorded. If this data is available from the Command & Control system then it can be pre-populated.		

5.7 Action

This section provides details about any action taken and noted on attendance.

The purpose of the Details of Action form is to record information on any action taken on attending the fire incident. This includes the following:

- Fire fighting actions taken
- Manual fire-fighting equipment available
- Fixed fire-fighting facilities available
- Active fire-fighting facilities available

This section is only completed for **Primary Fires**.

Question 7.1 – Was there a delay in commencing firefighting actions?

Incidents	Primary Fires	Optional/Mandatory	Mandatory
Pre-populated?		Depends on	
On FDR1?	No	Format	Drop Down
Notes:	This is an area of increasing concern and a potential issue. This data shows delays which are outside the control of the crews and FRS. This provides input to Firefighting effectiveness, Fire Safety and Regulations.		

Code	Delay	Includes
1	No delay	
2	Delay due to: Sent to wrong direction	
3	Delay due to: Vehicle access problems	
4	Delay due to: Accessing fire - large site	
5	Delay due to: Accessing fire - due to building type e.g. high rise building	
6	Delay due to: Accessing fire - security doors/other security measures	
7	Delay due to: Location of fire not immediately evident	
8	Delay due to: Civil disturbance	
9	Delay due to: Assault on Firefighters	

Question 7.2 – What was the main action taken by the general public prior to arrival?

Incidents	Primary Fires	Optional/Mandatory	Mandatory
Pre-populated?		Depends on	
On FDR1?	Yes	Format	Drop Down
Notes:			

Code	Actions by non FRS	Includes
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Code	Actions by non FRS	Includes
1	None	
3	Removal from heat source	
4	Fuel supply disconnected	
5	Smothering	
6	Water from bucket/container	
7	Water from garden hose	
8	Used hosereel	
9	Fire extinguisher	
10	Beaten out	
20	Work Team	
99	Other	
0	Not known	

Question 7.3 – What was the main action taken by FRS personnel?

Incidents	Primary Fires	Optional/Mandatory	Mandatory
Pre-populated?		Depends on	
On FDR1?	Yes	Format	Drop Down
Notes:			

Code	Main action by FRS	Includes	
1	None	No firefighting	
2		Burned out (Allowed to burn under control)	
3	Small means	Removal from/of heat source	
4		Cutting away	
5		Disconnection of fuel supply	switched off
6		Beating, stamping	
7		Smothering – use of sand, earth, snow etc	
8		Smothering – use of fire blanket	
34		Smothering – use of fire beaters	
9		Smothering – use of other method	
10		Water – from bucket/containers	
33		Water – domestic supply	
11		Immersed in water	
12		Other small means	hearth kit
13	Portable extinguishers	CO ₂ (carbon dioxide)	mobile unit
14		Other vaporising liquid	BCF, CTC, CBM, HALON
15		Dry powder (DP)	
16		Water, soda acid, gas expulsion etc (water stored pressure)	
17		Foam – AFFF (Aqueous Film Forming Foam)	

Code	Main action by FRS	Includes	
18		Foam – other than AFFF	
19		Extinguisher – other	type unspecified
20	Non-portable/ fixed sources	Water from garden hose	
21		Water from fixed hosereel installation	
22		Bulk CO ₂	
23		Specialist extinguishing agents used in bulk	
24	Other sources	Hosereel (low pressure) (HR) - tank supply only	
25		Hosereel (low pressure) (HR) - augmented supply	
26		Hosereel (high pressure) (HRJ) - tank supply only	
27		Hosereel (high pressure) (HRJ) - augmented supply	
28		Main branch/Jet (J)	high pressure, water fan spray
29		Foam – low expansion (LX) or type unspecified	
30		Foam – medium expansion (MX)	
31		Foam – high expansion (HX)	
32		Monitors (MON) – ground or aerial (if using foam use 'Foam' categories	
99	Other	Other methods	Positive Pressure Ventilation
0	Not known		

Question 7.4 – Were any manual systems used by FRS personnel?

Incidents	Primary Fires	Optional/Mandatory	Mandatory
Pre-populated?		Depends on	
On FDR1?	Yes	Format	Radio – Yes/No/Don't know
Notes:			

Question 7.5 – Type of Fire Fighting Equipment used by FRS personnel

Incidents	Primary Fires	Optional/Mandatory	Mandatory
Pre-populated?		Depends on	7.4 = Yes
On FDR1?	Yes	Format	Drop Down
Notes:			

Code	Manual systems	Includes
2	Fire buckets	
3	Portable extinguishers	
4	Fire blanket	
5	Hosereel	
6	Larger system that is started manually	
7	Firebeaters	
99	Other	

Question 7.6 – Effect of Manual System on fire

Incidents	Primary Fires	Optional/Mandatory	Mandatory
Pre-populated?		Depends on	7.4 = Yes
On FDR1?	Yes	Format	Drop Down
Notes:			

Code	Impact of manual systems	Includes
1	Extinguished fire	
2	Contained fire	
3	Did not contain fire	
4	Made incident worse	
5	None	
99	Other	

Question 7.7 – Were any Building Fire Fighting facilities present?

Incidents	Primary Fires	Optional/Mandatory	Mandatory
Pre-populated?		Depends on	
On FDR1?	Yes	Format	Radio - Yes/No/Don't know
Notes:	Only displayed for Building Primary Fires Only. Defaulted to Yes/No based on the value of the Q5.5 FIRE SAFTEY REGULATIONS field.		

Question 7.8 – Fixed Fire Fighting facilities present

Incidents	Primary Fires	Optional/Mandatory	Mandatory
Pre-populated?		Depends on	7.7 = Yes
On FDR1?	No	Format	Drop Down
Notes:	For Fire engineering and Building requirements. Together with Q7.9, 7.10 allows analysis of which facilities are used and whether they are in working order.		

Code	Fire service building facilities present	Includes
1	Dry risers	
2	Wet risers	
3	Firefighting lift	
4	Firefighting shaft	
5	Foam makers/drenchers/downcomers	
6	Smoke extraction/ventilation	
99	Other	

Question 7.9 – Building facilities used?

Incidents	Primary Fires	Optional/Mandatory	Mandatory
Pre-populated?		Depends on	7.7 = Yes
On FDR1?	No	Format	Radio – Yes/No
Notes:			

Question 7.10 – If not working, why?

Incidents	Primary Fires	Optional/Mandatory	Optional
Pre-populated?		Depends on	7.7 = Yes
On FDR1?	No	Format	Drop Down
Notes:	Will allow analysis of any trends after implementation of FIRE SAFTEY REGULATIONS		

Code	Fire service building facilities (by type) not working due to:	Includes
1	Poor maintenance	
2	Vandalism	
3	Damaged by fire	

Question 7.11 – Were there any active safety systems present?

Incidents	Primary Fires	Optional/Mandatory	Mandatory
Pre-populated?		Depends on	Q5.5 = Yes
On FDR1?	Yes	Format	Radio - Yes/No/Don't know
Notes:	Defaulted to Yes/No based on the value of the Q5.5 FIRE SAFTEY REGULATIONS field.		

Question 7.12 – Type of active safety systems present

Incidents	Primary Fires	Optional/Mandatory	Mandatory
Pre-populated?		Depends on	Q7.11 = Yes
On FDR1?	Yes	Format	Drop Down
Notes:			

Code	Active Firefighting Systems present in vicinity of fire (origin of fire)	Includes
2	Sprinklers	
3	Water mist	
4	Gaseous system - halon	
5	Gaseous system - other	
6	Pressurisation	
7	Smoke ventilation	
8	Drencher	
9	Foam	
10	Powder	
99	Other	

Question 7.13 – Location of active safety systems in relation to Fire

Incidents	Primary Fires	Optional/Mandatory	Mandatory
Pre-populated?		Depends on	Q7.11 = Yes
On FDR1?	Yes	Format	Drop Down
Notes:			

Code	Location of active systems	Includes
1	In room of origin of fire	

2	On same floor as fire	
3	Different floor from fire	

Question 7.14 – Did the safety system operate?

Incidents	Primary Fires	Optional/Mandatory	Mandatory
Pre-populated?		Depends on	Q7.11 = Yes
On FDR1?	Yes	Format	Drop Down
Notes:			

Code	Did Active Firefighting System operate?	Includes
1	No	
2	Yes, but did not raise alarm	
3	Yes and raised alarm	

Question 7.15 – How many operated?

Incidents	Primary Fires	Optional/Mandatory	Mandatory
Pre-populated?		Depends on	Q7.11 = Yes + Q7.14 = 'Yes' or Yes, but did not raise alarm'
On FDR1?	Yes	Format	Drop Down
Notes:			

Code	Number of sprinkler heads operated	Includes
1	0	
2	1	
3	2	
4	3	
5	4	
6	5	
7	More than 5	
0	Not known	

Question 7.16 – Impact upon Fire

Incidents	Primary Fires	Optional/Mandatory	Mandatory
Pre-populated?		Depends on	Q7.11 = Yes + Q7.14 = 'Yes' or Yes, but did not raise alarm'
On FDR1?	Yes	Format	Drop Down
Notes:			

Code	What was the Active Firefighting Systems impact?	Includes
1	Extinguished	
2	Contained/controlled	
3	Did not contain/control	
0	Not known	

Question 7.17 – Reason safety system did not function as intended

Incidents	Primary Fires	Optional/Mandatory	Mandatory
Pre-populated?		Depends on	Q7.11 = Yes + Q7.14 = 'No' or 'Yes, but did not raise alarm'
On FDR1?	Yes	Format	Drop Down
Notes:			

Code	Reason if poor outcome (Active Firefighting Systems – subset of values)	Includes
3	System not set up correctly	
4	System damaged by fire	
6	Fault in system	
9	System turned off	
10	Fire in area not covered by system	
98	Not applicable	Defaulted to this value when Q7.14 = 'Yes' as the field is Mandatory.
99	Other	
0	Not known	

5.8 Damage

This section details the damage to the property on attendance. This section is only completed for Primary Fires.

The following information is required to complete the form:

- Details on the cause of the fire
- Details of any dangerous substances or explosions involved in the fire incident
- Details on the damage to dwellings caused by the fire
- Description of the affected building

Question 8.1 – What was the cause of the fire?

Incidents	Primary Fires	Optional/Mandatory	Mandatory
Pre-populated?		Depends on	Q5.15
On FDR1?	Yes	Format	Drop Down
Notes:	The list is filtered based on the Q5.15 Motive category		

Code	Motive	Cause (Only causes for the selected Motive will be shown)	Include
1	Accidental	Faulty fuel supplies - Gas	
2	Accidental	Faulty fuel supplies - Electricity	
3	Accidental	Faulty fuel supplies - Petrol product	
4	Accidental	Faulty leads to equipment or appliance	8.2 - Capture Make/Model of appliance
5	Accidental	Fault in equipment or appliance	8.2 - Capture Make/Model of appliance
6	Accidental	Cooking - chip pan/deep fat fryer	
7	Accidental	Cooking - other cooking	
8	Accidental	Negligent use of equipment or appliance (heat source)	
9	Accidental	Playing with fire (or heat source)	
10	Accidental	Careless handling - due to sleep or unconsciousness	
11	Accidental	Careless handling - due to careless disposal	
14	Accidental	Careless handling - due to knocking over	
15	Accidental	Combustible articles too close to heat source (or fire)	
16	Accidental	Person too close to heat source (or fire)	
17	Accidental	Vehicle crash or collision	8.2 - Capture Make/Model of appliance
18	Accidental	Chimney fire	
19	Accidental	Bonfire going out of control	
20	Accidental	Other intentional burning, going out of control	
21	Accidental	Accumulation of flammable material	
22	Accidental	Natural occurrence	
23	Accidental	Overheating, unknown cause	
25	Deliberate - own	Bomb/incendiary device	

Code	Motive	Cause (Only causes for the selected Motive will be shown)	Include
	property		
26	Deliberate - own property	Suicide/attempted: setting fire to self	
27	Deliberate - own property	Homicide/attempted: setting fire to other person/s	
28	Deliberate - own property	Heat source and combustibles brought together deliberately	
30	Deliberate - others property	Bomb/incendiary device	
31	Deliberate - others property	Suicide/attempted: setting self to fire	
32	Deliberate - others property	Homicide/attempted: setting fire to other person/s	
33	Deliberate - others property	Heat source and combustibles brought together deliberately	
35	Deliberate - unknown owner	Bomb/incendiary device	
36	Deliberate - unknown owner	Suicide/attempted: setting self to fire	
37	Deliberate - unknown owner	Homicide/attempted: setting fire to other person/s	
38	Deliberate - unknown owner	Heat source and combustibles brought together deliberately	
40	Not known	Faulty fuel supplies – Gas	
41	Not known	Faulty fuel supplies – Electricity	
42	Not known	Faulty fuel supplies – Petrol product	
43	Not known	Faulty leads to equipment or appliance	8.2 – Capture Make/Model of appliance
44	Not known	Fault in equipment or appliance	8.2 – Capture Make/Model of appliance
45	Not known	Cooking – chip pan/deep fat fryer	
46	Not known	Cooking – other cooking	
47	Not known	Negligent use of equipment or appliance (heat source)	
48	Not known	Playing with fire (or heat source)	
49	Not known	Careless handling - due to sleep or unconsciousness	
50	Not known	Careless handling - due to careless disposal	
53	Not known	Careless handling - due to knocking over	
54	Not known	Combustible articles too close to heat source (or fire)	
55	Not known	Person too close to heat source (or fire)	
56	Not known	Vehicle crash or collision	8.2 – Capture Make/Model of appliance
57	Not known	Chimney fire	
58	Not known	Bonfire going out of control	

Code	Motive	Cause (Only causes for the selected Motive will be shown)	Include
59	Not known	Other intentional burning, going out of control	
60	Not known	Accumulation of flammable material	
61	Not known	Natural occurrence	
62	Not known	Overheating, unknown cause	
98		Not applicable	
99		Other	8.2 – Capture Make/Model of appliance

Question 8.2 – What was the make and model?

Incidents	Primary Fires	Optional/Mandatory	Mandatory
Pre-populated?		Depends on	Q8.1
On FDR1?	No	Format	Text (1 – 255 chars)
Notes:	This question is only asked if the Main Cause (Q8.1) is one of the those listed above where it is required to capture further detail e.g. Fault in equipment or appliance. Information on make/model is required to allow searches when FINDS requests are received.		

Question 8.3 – Caused by?

Incidents	Primary Fires	Optional/Mandatory	Mandatory
Pre-populated?		Depends on	
On FDR1?	Yes	Format	Drop Down
Notes:	Can be used to inform Community Fire Safety.		

Code	Caused by (To be reviewed – age ranges required)	Includes
1	Child (0 - 9)	
2	Youth (10 - 17)	
3	Adult (18 - 64)	
4	Elderly (65 plus)	
5	Person, age not known	
6	Animal	
98	Not applicable	
99	Other	
0	Not known	

Question 8.4 – What was the source of ignition?

Incidents	Primary Fires	Optional/Mandatory	Mandatory
Pre-populated?		Depends on	
On FDR1?	Yes	Format	Drop Down
Notes:			

Code	Main source of ignition	Description	Ignition source Power defaulted e.g. 3 = Electric. (determines whether to ask 8.5 below)
1	Cooking appliance	Cooker incl oven	
2		Ring/hot plate (separate appliance)	
3		Microwave oven	3 = Electric
4		Grill/toaster	
5		Barbecue	
6		Camping stove	
81		Deep fat fryer	
7		Other cooking appliance	
44	Matches and candles	Matches	98 = Not applicable
47		Candles	98 = Not applicable
45	Smoking	Cigarette lighter	98 = Not applicable

Code	Main source of ignition	Description	Ignition source Power defaulted e.g. 3 = Electric. (determines whether to ask 8.5 below)
	Related		
46		Smoking materials	98 = Not applicable
75		Oil/incense burners	98 = Not applicable
58	Other domestic style appliance	Fridge/Freezer	
8		TV	3 = Electric
9		Audio equipment	3 = Electric
10		PC equipment (domestic use)	3 = Electric
11		Video/DVD	3 = Electric
60		Other electrical visual equipment	3 = Electric
12		Washing machine	3 = Electric
13		Tumble dryer	3 = Electric
78		Washer/Dryer combined	3 = Electric
14		Vacuum cleaner	3 = Electric
15		Iron	3 = Electric
61		Trouser press	3 = Electric
16		Extractor fan	3 = Electric
17		Dishwasher	3 = Electric
18		Electric blanket	3 = Electric
19		Hair dryer	3 = Electric
20		Electric kettle	3 = Electric
21		Blow lamp/Paint remover	
62		Battery charger	3 = Electric
63		Spin dryer	3 = Electric
22		Gardening equipment	
23		Other domestic style appliance	
24	Electric Lighting	Fairy lights	3 = Electric
25		Spot lights	3 = Electric
64		Other incandescent light bulbs	3 = Electric
26		Fluorescent lights	3 = Electric
27		Other lights	
28	Heating equipment	Heater/Fire	
59		Patio equipment	
29		Central heating/hot water	
73		Other heating equipment	
30		Separate water heating	
31		Food warming equipment (not cooking)	
74		Power source	
32	Electricity supply	Apparatus – batteries, generators	

Code	Main source of ignition	Description	Ignition source Power defaulted e.g. 3 = Electric. (determines whether to ask 8.5 below)
33		Wiring, cabling, plugs	
34	Office equipment	Copiers/Printers	3 = Electric
35		Vending equipment	3 = Electric
77		PC	3 = Electric
36		Other computer equipment	3 = Electric
65		Telephone/Answering machine/Fax machine	3 = Electric
37	Industrial equipment	Kiln, oven, furnace	
38		Dryer	
39		Manufacturing equipment	
40		Welding/Cutting equipment	
66		Lift	
67		Other	
68	Chimney		98 = Not applicable
79	Spread from secondary fire		98 = Not applicable
41	Vehicles only	Electrical fault	3 = Electric
42		Engine, fuel line or pump	98 = Not applicable
43		Wheels or brakes	98 = Not applicable
69		Other non-electrical	98 = Not applicable
80		Exhausts	98 = Not applicable
70		Unknown	0 = Not known
71	Other appliance or equipment		
48	Naked flame	Lighted paper or card, or other naked flame	98 = Not applicable
49	Fireworks	Fireworks	98 = Not applicable
50	Bombs and explosives	Intentional burning – out of control	98 = Not applicable
51		Incendiary device	98 = Not applicable
72		Bomb/Explosives	98 = Not applicable
52	Natural occurrence	Natural occurrence	98 = Not applicable
53	Wet hay	Wet hay	98 = Not applicable
54	Fuel/chemical related	Gases	98 = Not applicable
55		Liquids; petrol/oil related	98 = Not applicable
56		Solids; coal, coke, wood, card	98 = Not applicable
57		Flammable chemicals	98 = Not applicable
99	Other		
0	Not known		

Question 8.5 – What powered the ignition?

Incidents	Primary Fires	Optional/Mandatory	Mandatory
Pre-populated?		Depends on	Q8.4
On FDR1?	Yes	Format	Drop Down
Notes:	This question is defaulted based on the Main Source of Ignition which has been selected		

Code	Main source of ignition power by	Includes
1	Gas – mains	
2	Gas – cylinder	
3	Electric	
98	Not applicable	
99	Other	
0	Not known	

Question 8.6 – What Item was ignited first?

Incidents	Primary Fires	Optional/Mandatory	Mandatory
Pre-populated?		Depends on	
On FDR1?	Yes	Format	Drop Down
Notes:			

Code	Item first ignited		Includes
1	Vegetation	Trees	
2		Crops	
3		Grassland/Heath/Scrub	
4		Straw/Stubble	
5		Leaves	
39		Hedge	
35		Other	Hay, peat
6	Food	Cooking oil or fat	
7		Other	
8	Animal	Animal products	
9	Clothing/Textiles	Bedding	
10		Clothing	
36		Other textiles	
11	Furniture/Furnishings	Bed/Mattress	
12		Upholstered furniture	
13		Other furniture	
14		Floor coverings	
15		Window coverings	
16		Lampshades	
37		Other/Unspecified furnishings	
17	Structural/Fixtures/Fittings – External	Roof	
18		External fittings	
41		Other	
34	Structural/Fixtures/Fittings - Internal	Internal fittings	
42		Wiring insulation	
38		Other	
19	Foam, rubber, plastic	Foam - raw material only	
20		Rubber - raw material only	
21		Plastic - raw material only	
22	Explosives, gas, chemicals	Fireworks	
23		Explosives/Ammunition	
24		Gases	
25		Petrol/Oil products	
26		Paint, varnish, resins, creosote	
27		Chemicals in raw state	
28	Decoration/celebration	Decorations/Cards	

29		Christmas trees	
30	Rubbish/Waste/Recycling	Rubbish/Waste material	
31		Recycling - paper, cardboard	
32		Recycling - other	
43	Paper/Cardboard	Paper/Cardboard	
44		Other	
45	Wood	Garden shed	
40		Other wooden	Fence
98	None		
99	Other		
0	Not known		

Question 8.7– What was the item, if any, that was mainly responsible for the spread of the fire?

Incidents	Primary Fires	Optional/Mandatory	Mandatory
Pre-populated?		Depends on	
On FDR1?	Yes	Format	Drop Down
Notes:	This question uses the same list as Q8.6		

Question 8.8 – If there was any rapid fire growth, how was this caused?

Incidents	Primary Fires	Optional/Mandatory	Mandatory
Pre-populated?		Depends on	
On FDR1?	Yes	Format	Drop Down
Notes:	Important for Fire fighter safety, fire engineering and FIRE SAFETY REGULATIONS evaluation.		

Code	Rapid fire growth due to	Includes
1	No rapid fire growth	
2	Yes, cooking oil or fat	
3	Yes, fireworks	
4	Yes, ammunition	
5	Yes, gases	
6	Yes, petrol/oil products	
7	Yes, paint, varnish, resins, creosote	
8	Yes, chemicals	
9	Yes, backdraft	
10	Yes, flashover	
11	Yes, strong wind	
99	Other	

Question 8.9 – What, if any, dangerous substances were involved?

Incidents	Primary Fires	Optional/Mandatory	Mandatory
Pre-populated?		Depends on	
On FDR1?	Yes	Format	Drop Down
Notes:	If this field is set to Yes then the Q5.18 'Were Hazardous Materials involved' should be defaulted to Yes if not already set.		

Code	Dangerous substances involved	Includes
1	None	
2	Fireworks	
8	Acetylene	
3	Ammunition	
4	Other explosives	
5	Gases	
6	Flammable liquids	
7	Flammable solids	

Question 8.10 – Was there an explosion?

Incidents	Primary Fires	Optional/Mandatory	Mandatory
Pre-populated?		Depends on	
On FDR1?	Yes	Format	Radio - Yes/No/Don't know
Notes:	If this field is set to Yes then the Q5.18 'Were Hazardous Materials involved' should be defaulted to Yes if not already set.		

Question 8.11 – Please indicate what caused the explosion

Incidents	Primary Fires	Optional/Mandatory	Mandatory
Pre-populated?		Depends on	Q8.10
On FDR1?	No	Format	Drop Down
Notes:			

Code	Explosion substances	Includes
2	Fireworks	
8	Acetylene	
3	Ammunition	
4	Other explosives	
5	Gases	
6	Flammable liquids	

Code	Explosion substances	Includes
7	Flammable solids	fibreglass, mineral wool etc coke, soot roofing felt, paraffin wax, asbestos, fullers earth, cement, fertilizer, fire lighter, flux, sealing mastics, solid explosives, resin

Question 8.12 – At what stage in the lifetime of the fire did the explosion occur?

Incidents	Primary Fires	Optional/Mandatory	Mandatory
Pre-populated?		Depends on	Q8.10
On FDR1?	No	Format	Drop Down
Notes:			

Code	Explosion? And at what stage	Includes
2	Yes - before fire	
3	Yes - during fire	
4	Yes - both before and during	
5	Yes - sequence not known	

Question 8.13 – Were any containers involved?

Incidents	Primary Fires	Optional/Mandatory	Mandatory
Pre-populated?		Depends on	Q8.10
On FDR1?	No	Format	Drop Down
Notes:			

Code	Explosion containers	Includes
1	None	
2	Bottles	
3	Cylinders	
4	Cans	
5	Drums	
6	Tank/s	
7	Pipe/pipeline	
99	Other	

Question 8.14 – What type of room/compartment did the fire start in (Location of Origin)?

Incidents	Primary Fires	Optional/Mandatory	Mandatory
Pre-populated?		Depends on	
On FDR1?	Yes	Format	Drop Down
Notes:	The list that is displayed, varies depending on the category of the property type selected for Q3.2.		

Code	Location of fire start – Dwelling (Level 2 Incident Type)	Includes
1	Airing/Drying cupboard	
2	Bathroom/Toilet	
3	Bedroom	
16	Bedsitting room	
4	Chimney	
5	Conservatory	
6	Corridor/Hall	
7	Dining room	
8	External fittings	
62	External structures	
23	Garage	
59	Indoor swimming pool	
10	Kitchen	
48	Lift/Lift shaft/Motor room	
11	Living room	
49	Refuse store	
63	Roof	
12	Roof space	
58	Sauna	
13	Stairs	
14	Under stairs (enclosed, storage area)	
50	Utility room	
61	Open plan area	
99	Other	
0	Not known	

Code	Location of fire start – Other residential (Level 2 Incident Type)	Includes
1	Airing/Drying cupboard	
15	Bar/Canteen/Restaurant/Mess	
2	Bathroom/Toilet	
3	Bedroom	
16	Bedsitting room	
17	Boiler room	
18	Cell	
4	Chimney	
19	Class room	
20	Cloakroom	
21	Common room/Staff room/Day room	
5	Conservatory	
6	Corridor/Hall	
7	Dining room	
22	Dormitory	
8	External fittings	
62	External structures	
23	Garage	
59	Indoor swimming pool	
10	Kitchen	
24	Laundry room	
48	Lift/Lift shaft/Motor room	
51	Meeting room	
25	Office	
26	Power house/Plant/Generator	
52	Reception area	
49	Refuse store	
63	Roof	
12	Roof space	
58	Sauna	
13	Stairs	
27	Store room	
14	Under stairs (enclosed, storage area)	
50	Utility room	
28	Ward/Sick bay	
99	Other	
0	Not known	

Code	Location of fire start – Non Residential Building (Level 2 Incident Type)	Includes
29	Barn	
2	Bathroom/Toilet	
17	Boiler room	
30	Canteen/Restaurant	
4	Chimney	
20	Cloakroom	
5	Conservatory	
6	Corridor/Hall	
8	External fittings	
62	External structures	
23	Garage	
10	Kitchen	
31	Process/Production room	
32	IT server/Mainframe room	
48	Lift/Lift shaft/Motor room	
51	Meeting room	
25	Office	
60	Parking garage	
26	Power house/Plant/Generator	
52	Reception area	
49	Refuse store	
63	Roof	
12	Roof space	
33	Shop floor/Showroom/Display hall	
13	Stairs	
27	Store room	
14	Under stairs (enclosed, storage area)	
50	Utility room	
99	Other	
0	Not known	

Code	Location of fire start – Road Vehicle (Level 2 Incident Type)	Includes
34	Boot	
35	Driver/Passenger area	
36	Engine	
37	Fuel tank	
38	Other inside/Cargo area	
39	Wheel/Brakes	
99	Other	
0	Not known	

Code	Location of fire start – Boat (Level 2 Incident Type)	Includes
17	Boiler room	
53	Car deck (ferries)	
40	Crew area	
54	Deck cargo	
41	Engine room	
37	Fuel tank	
55	Hold/Cargo area	
42	Passenger area	
99	Other	
0	Not known	

Code	Location of fire start – Rail Vehicle (Level 2 Incident Type)	Includes
43	Driver area	
37	Fuel tank	
42	Passenger area	
44	Power unit	
56	Restaurant/Buffer carriage	
39	Wheels/Brakes	
99	Other	
0	Not known	

Code	Location of fire start – Aircraft (Level 2 Incident Type)	Includes
45	Cargo area	
46	Cockpit	
36	Engine	
37	Fuel tank	
42	Passenger area	
39	Wheels/Brakes	
47	Wing	
99	Other	
0	Not known	

Code	Location of fire start – Outdoor (Level 2 Incident Type)	Includes
70	On or near tracks or paths	National Trails / Paths, Foot paths, Bridle ways, Forest rides
71	In open area next to housing	Housing estates or rural settlement
72	Near amenity or recreation structure	Play area,

		shelter, bird hide
73	Military live firing range	
74	Military training area	
99	Other	
0	Not known	

Question 8.15 – What was the Household Occupancy Type at the time of the incident?

Incidents	Primary Fires	Optional/Mandatory	Mandatory
Pre-populated?		Depends on	3.2
On FDR1?	Yes	Format	Drop Down
Notes:	This question is only displayed if the property type category (Question 3.2) is a Dwelling. Can be used to inform Community Fire Safety.		

Code	Household occupancy type (Level 2 – Dwelling Primary Fires Only)	Includes
1	Lone person over pensionable age	
2	Lone person under pensionable age	
3	Lone parent with dependant child/ren	
4	Couple both under pensionable age with no children	
5	Couple one or more over pensionable age, no children	
6	Couple with dependant child/ren	
7	3 or more adults under pensionable age, no child/ren	
8	3 or more adults with dependant child/ren	
99	Other	
0	Not known	

Question 8.16 – Human factors contributing to fire

Incidents	Primary Fires	Optional/Mandatory	Mandatory
Pre-populated?		Depends on	
On FDR1?	Yes	Format	Drop Down
Notes:	This question is mandatory for all Primary Fires. Can be used to inform Community Fire Safety.		

Code	Human factors contributing to the cause (Level 2 – Dwelling Primary Fires Only)	Includes
1	None	
4	Disabled	
5	Distraction	
6	Temporary lack of physical mobility	Temporary physical (mobility) disability, e.g. Fractured limb
7	Other medical condition/illness	e.g. epilepsy
8	Falling asleep/asleep	(not alcohol or drugs related)
9	Excessive and dangerous storage	
99	Other	
0	Not known	

Question 8.17 – Was “impairment due to suspected drugs/alcohol” a contributory factor in the fire?

Incidents	Primary Fires	Optional/Mandatory	Mandatory
Pre-populated?		Depends on	
On FDR1?	Yes	Format	Radio – Yes/No/Don't know
Notes:	This question is mandatory for all Primary Fires.		

Question 8.18 – Was there any special method of building construction involved?

Incidents	Primary Fires	Optional/Mandatory	Mandatory
Pre-populated?		Depends on	3.2
On FDR1?	Yes	Format	Drop Down
Notes:	This question is only displayed if the property type category (Question 3.2) is a building. Information can be used to inform building regulations and to identify any trends in new methods of building construction.		

Code	Special Building construction involved (Level 2 - Buildings Only)	Includes
10	None	
1	Timber framed	
2	Cladding	
3	Sandwich panels	
4	Atria	
5	Thatch	
6	Large single storey retail premises	
99	Other	
0	Not known	

Question 8.19 – Was there heat and/or smoke damage only (no flame)?

Incidents	Primary Fires	Optional/Mandatory	Mandatory
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Pre-populated?		Depends on	3.2
On FDR1?	Yes	Format	Radio – Yes/No
Notes:	This question is only displayed if the property type category (Question 3.2) is a building (Dwelling, OtherResidential or NonResidential).		

Question 8.20 – What was the extent of flame and/or heat damage on arrival?

Incidents	Primary Fires	Optional/Mandatory	Mandatory
Pre-populated?		Depends on	8.19 = No + 3.2
On FDR1?	No	Format	Drop Down
Notes:	The list that is displayed varies depending on the property type – Question 3.2. It is not shown for Outdoor and Outdoor Structure fires. This question is not shown for Heat and Smoke Damage only fires or Late Calls. The value is defaulted to 'Not applicable'.		

Code	Estimated fire size on arrival of FRS – Buildings (Level 2 Incident Types – Dwelling, Other Residential and Non-Residential Buildings)	Includes
1	Limited to item 1 st ignited	
2	Limited to room of origin	
3	Limited to floor of origin (not whole building)	
4	Limited to 2 floors (not whole building)	
5	Affecting more than 2 floors (not whole building)	
6	Whole building	
30	Roof space only	
31	Roof space and other floors(s)	
32	External roof only	
33	Whole roof (including roof space)	
98	Not applicable	

Code	Estimated fire size on arrival of FRS – (Level 2 Incident Type – RoadVehicle)	Includes
22	Driver/Passenger compartment	
23	Separate luggage compartment of vehicle	
24	Engine compartment	
25	Fuel tank	
26	Roof/Roof rack (exterior to vehicle)	
27	Wheels/Tyres/Brakes/Axles/Bearings	
10	Whole vehicle	
98	Not applicable	

Code	Estimated fire size on arrival of FRS – boats (Level 2 Incident Type – Boat)	Includes
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1	Limited to item 1 st ignited	
2	Limited to room of origin	
3	Limited to deck of origin	
4	Limited to 2 decks	
11	Affecting more than 2 decks, not whole boat	
12	Whole boat	
98	Not applicable	

Code	Estimated fire size on arrival of FRS – (Level 2 Incident Type – RailVehicle)	Includes
1	Limited to item 1st ignited	
13	Driver's area only	
14	Single carriage	
15	More than one carriage, not whole train	
16	Whole train	
98	Not applicable	

Code	Estimated fire size on arrival of FRS – (Level 2 Incident Type – Aircraft)	Includes
1	Limited to item 1st ignited	
17	Engine/Engines	
18	Cockpit	
19	Over half the aircraft	
20	Whole aircraft	
98	Not applicable	

Question 8.21 – If any adjacent properties were affected at the time that you arrived, how far away were they (m)?

Incidents	Primary Fires	Optional/Mandatory	Mandatory
Pre-populated?		Depends on	8.19 = No + 3.2
On FDR1?	No	Format	Drop Down
Notes:	The list is displayed depending on the property type – Question 3.2. It is not shown for Outdoor and Outdoor Structure fires.		

Code	Distance to other property affected by the fire	Includes
1	No other property affected	
2	Up to 1 metre	
3	1 - 5 metres	
4	5 - 10 metres	
5	10-15 metres	
6	Over 15 metres	

Question 8.22 – What was the extent of flame and/or heat damage (at stop)?

Incidents	Primary Fires	Optional/Mandatory	Mandatory
Pre-populated?		Depends on	8.19 = No + 3.2
On FDR1?	Yes	Format	Drop Down
Notes:	<p>The list displayed depends on the property type – Question 3.2.</p> <p>It is not shown for Outdoor and Outdoor Structure fires and Heat and Smoke Damage only fires. The value will be defaulted to 'Not applicable'.</p> <p>Can be used to assess effectiveness of fire fighting and weight of response.</p> <p>The list has the same values as Q8.20.</p>		

Question 8.23 – If any adjacent properties were affected at stop, how far away were they (m)?

Incidents	Primary Fires	Optional/Mandatory	Mandatory
Pre-populated?		Depends on	8.19 = No + 3.2
On FDR1?	No	Format	Drop Down
Notes:	<p>The list is displayed depending on the property type – Question 3.2. It is not shown for Outdoor and Outdoor Structure fires.</p> <p>The list has the same values as Q8.21.</p>		

Question 8.24 – What is the horizontal area damaged by flame and/or heat in sq. m (at stop)?

Incidents	Primary Fires	Optional/Mandatory	Mandatory
Pre-populated?		Depends on	3.2
On FDR1?	Yes	Format	Drop Down
Notes:	<p>The list displayed depending on the property type – Question 3.2. It is only shown for Building fires.</p> <p>This question is not shown for Heat and Smoke Damage only fires and the value is defaulted to '0=None'.</p>		

Code	Area – sq metres	Includes
0	None	
1	Up to 5	
2	6 – 10	
3	11 -20	
4	21 – 50	
5	51 – 100	
6	101 – 200	
7	201 – 500	
8	501 – 1,000	
9	1,001 – 2,000	
10	2,001 – 5,000	
11	5,001 – 10,000	
12	Over 10,000	

Question 8.25 – What is the total horizontal area damaged (by flame and/or heat and/or smoke and/or water etc) in sq. m (at stop)?

Incidents	Primary Fires	Optional/Mandatory	Mandatory
Pre-populated?		Depends on	3.2
On FDR1?	Yes	Format	Drop Down
Notes:	The list is displayed depending on the property type – Question 3.2. It is only shown for Building Primary Fires. The list is the same as Q8.24 above.		

Question 8.26 – What is the approximate size of the room/compartment of the fire's origin (sq/m)?

Incidents	Primary Fires	Optional/Mandatory	Mandatory
Pre-populated?		Depends on	8.19 = No + 3.2
On FDR1?	Yes	Format	Drop Down
Notes:	The list is displayed depending on the property type – Question 3.2. It is only shown for Building Primary Fires. This question is not shown for Heat and Smoke Damage only fires. If Q8.6 Item first ignited = 'Structural Fixtures/Fittings external' category then these are not asked, but the field value should be defaulted to '98=Not applicable'. The list is the same as Q8.24 above.		

Question 8.27 – What is the approximate size of the floor of the fires origin (sq. m.)?

Incidents	Primary Fires	Optional/Mandatory	Mandatory
Pre-populated?		Depends on	8.19 = No + 3.2
On FDR1?	Yes	Format	Drop Down
Notes:	The list displayed depending on the property type – Question 3.2. It is only shown for Building Primary Fires. This question		

	<p>is not shown for Heat and Smoke Damage only fires.</p> <p>If Q8.6 Item first ignited = 'Structural Fixtures/Fittings external' category then these are not asked, but the field value should be defaulted to '98=Not applicable'.</p> <p>The list is the same as Q8.24 above.</p>
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Question 8.28 – Number of floors/decks above ground level/main deck (e.g. 1 for bungalow)

Incidents	Primary Fires	Optional/Mandatory	Mandatory
Pre-populated?		Depends on	3.2
On FDR1?	Yes	Format	Number 0 - 999
Notes:	The field is displayed depending on the property type – Question 3.2. It is only shown for Building or Boat Primary Fires.		

Question 8.29 – Number of floors/decks below ground level/main deck (e.g. 1)

Incidents	Primary Fires	Optional/Mandatory	Mandatory
Pre-populated?		Depends on	3.2
On FDR1?	Yes	Format	Number 0 - 999
Notes:	The field is displayed depending on the property type – Question 3.2. It is only shown for Building or Boat Primary Fires.		

Question 8.30 – Which floor/deck did the fire originate upon?

Incidents	Primary Fires	Optional/Mandatory	Mandatory
Pre-populated?		Depends on	3.2
On FDR1?	Yes	Format	Number -999 - 999
Notes:	<p>The field is displayed depending on the property type – Question 3.2. It is only shown for Building or Boat Primary Fires.</p> <p>If Q8.6 Item first ignited = 'Structural Fixtures/Fittings external' category then this question is not asked and the value is defaulted to '0'.</p>		

Question 8.31 – If known, what was the vehicle Registration Marker (VRM)?

Incidents	Primary Fires	Optional/Mandatory	Optional
Pre-populated?		Depends on	3.2
On FDR1?	Yes	Format	0 – 7 chars
Notes:	The field is displayed if the property type – Question 3.2 has a category of RoadVehicle.		

Question 8.32 – If known, what was the vehicle Identification Number (VIN)?

Incidents	Primary Fires	Optional/Mandatory	Optional
Pre-populated?		Depends on	3.2
On FDR1?	No	Format	0 – 17 chars
Notes:	The field is displayed if the property type – Question 3.2 has a category of RoadVehicle.		

Question 8.33 – Had the vehicle been reported missing to the police?

Incidents	Primary Fires	Optional/Mandatory	Mandatory
Pre-populated?		Depends on	3.2
On FDR1?	No	Format	Radio – Yes/No/Don't know
Notes:	The field is displayed if the property type – Question 3.2 has a category of RoadVehicle.		

Question 8.34 – Did the vehicle appear to be abandoned?

Incidents	Primary Fires	Optional/Mandatory	Mandatory
Pre-populated?		Depends on	3.2
On FDR1?	No	Format	Radio – Yes/No/Don't know
Notes:	The field is displayed if the property type – Question 3.2 has a category of RoadVehicle.		

Question 8.35 – What was the extent of the area damaged by the fire (sq. m)?

Incidents	Primary Fires	Optional/Mandatory	Mandatory
Pre-populated?		Depends on	3.2
On FDR1?	Yes	Format	Drop Down
Notes:	<p>The field is displayed if the property type – Question 3.2 has a category of Outdoor Primary Fire Only. Note: Q5.16 is displayed for Outdoor Secondary Fires.</p> <p>Values list is the same as Q5.16</p>		

Question 8.35a – Please specify the fire damage area in hectares

Incidents	Primary Outdoor Fires	Optional/Mandatory	Mandatory
Pre-populated?		Depends on	Q8.35 = 12
On FDR1?	No	Format	Number (0 – 9999999)
Notes:	Note: Q5.16a is displayed for Outdoor Secondary Fires.		

Question 8.36 – Did the fire occur in an area designated as a National Park?

Incidents	Primary Fires	Optional/Mandatory	Mandatory
Pre-populated?		Depends on	3.2
On FDR1?	No	Format	Radio – Yes/No/Don't know
Notes:	<p>The field is displayed if the property type – Question 3.2 has a category of Outdoor Primary Fire Only. Q5.17 is displayed for Outdoor Secondary Fires.</p> <p>This is the same question as Q5.17.</p>		

5.9 Involvement of Persons

This section records detail of any persons (victims) involved in the incident as:

- Rescue
- Injury
- Fatality

Information is also asked about number of those evacuated but no detailed information is requested. This section is only used for Primary Fires and Special Service incidents and if the answers to any of the following questions have been 'Yes':

- Q3.5 – Please indicate if there were persons rescued, extricated, injured or killed in the incident
- Q3.6 – Please indicate if there were persons evacuated in the incident

Question 9.1 – How many people were evacuated without assistance?

Incidents	Primary Fires, Special Service	Optional/Mandatory	Mandatory
Pre-populated?		Depends on	3.6 + 3.2
On FDR1?	No	Format	Number (0 – 9999999)
Notes:	This question is asked for Dwelling Primary Fires only. Used to calculate BVPI 208		

Question 9.2 – How many people were evacuated with assistance?

Incidents	Primary Fires, Special Service	Optional/Mandatory	Mandatory
Pre-populated?		Depends on	3.6 + 3.2
On FDR1?	No	Format	Number (0 – 9999999)
Notes:	This question is asked for Dwelling Primary Fires only. Used to calculate BVPI 208		

Question 9.3 – How many people were assisted (by FRS) in their evacuation?

Incidents	Primary Fires, Special Service	Optional/Mandatory	Mandatory
Pre-populated?		Depends on	3.6 + 9.2
On FDR1?	No	Format	Drop Down
Notes:	This question is asked for all incidents which were not dwelling fires. Rather than an exact number, number bands are used. For all Dwelling incidents. Default to option '1' if Q9.2 populated.		

Code	Evacuation – Number of	Includes
1	Up to 5	
2	6 to 20	
3	21 to 50	
4	51 to 100	
5	101 to 250	
6	251 to 1,000	
7	Over 1,000	

Question 9.4 – Reason for any delay to evacuation

Incidents	Primary Fires	Optional/Mandatory	Mandatory
Pre-populated?		Depends on	3.6 + 3.2
On FDR1?	No	Format	Drop Down
Notes:	<p>This question is asked for building primary fires. Used to assess effectiveness of response.</p> <p>For all other incidents it will not be displayed and the value is defaulted to 'Not applicable'.</p>		

Code	Was there a delay in completion of building evacuation	
2	Evacuation, but no delay	
	Delay due to:	
3	Firefighting actions – public	
4	Occupants did not respond to automatic alarm	
5	Elderly or disabled	
6	Re-entered building	
7	Building management poor	
8	Building layout/signage poor	
9	Firefighting actions by fire service – contraflow on stairs	
10	Means of escape – exits locked	
11	Means of escape – items stored	
12	Means of escape – not suitable	
13	Means of escape – other	
14	Occupants gathering possessions	
98	Not applicable	

Question 9.5 – Estimated time for the completion of evacuation

Incidents	Primary Fires	Optional/Mandatory	Mandatory
Pre-populated?		Depends on	3.6 + 3.2
On FDR1?	No	Format	Drop Down
Notes:	<p>This question is asked for building primary fires. Used for research in building design and fire engineering.</p> <p>For all other incidents it will not be displayed and the value is defaulted to 'Not applicable'.</p>		

Question 9.6 – Please classify the extent of harm that this person came to as a result of the Incident

Incidents	Primary Fires, Special Services	Optional/Mandatory	Mandatory
Pre-populated?		Depends on	3.5
On FDR1?	Yes	Format	Radio – Fatal / Injury / Rescue
Notes:	<p>This question is asked for building primary fires. Used for research in building design and fire engineering.</p>		

Code	Victim type	Includes
1	Fatality	Fatal
2	Injured (incl. rescue with injury)	Injury
3	Rescued (rescue without injury)	Rescue

Question 9.7 – Age (e.g. 1)

Incidents	Primary Fires, Special Services	Optional/Mandatory	Mandatory
Pre-populated?		Depends on	3.5
On FDR1?	Yes	Format	Number 0 - 999
Notes:			

Question 9.8 – Gender

Incidents	Primary Fires, Special Services	Optional/Mandatory	Mandatory
Pre-populated?		Depends on	3.5
On FDR1?	Yes	Format	Number 0 - 999
Notes:			

Code	Gender (to be based on GovTalk standard)	Includes
0	Not known	
1	Male	

2	Female	
9	Not specified	

Question 9.9 – Ethnicity

Incidents	Primary Fires, Special Services	Optional/Mandatory	Mandatory
Pre-populated?		Depends on	3.5
On FDR1?	No	Format	Drop Down
Notes:	Used for Community Fire Safety. Also for statistics relating to ethnicity and diversity.		

Ethnicity (to be based on GovTalk standard) – Codes to be Used	Ethnicity Description (On Forms)	Includes
British	White - British	
Irish	White - Irish	
Other White	White - Other White	
White & Black Caribbean	Mixed - White & Black Caribbean	
White & Black African	Mixed - White & Black African	
White & Asian	Mixed - White & Asian	
Other Mixed	Mixed - Other Mixed	
Indian	Asian or Asian British - Indian	
Pakistani	Asian or Asian British - Pakistani	
Bangladeshi	Asian or Asian British - Bangladeshi	
Other Asian	Asian or Asian British - Other Asian	
Caribbean	Black or Black British - Caribbean	
African	Black or Black British - African	
Other Black	Black or Black British - Other Black	
Chinese	Chinese	
Any Other	Other Ethnic group	
NOT STATED	Not known/stated	

Question 9.10 – Where was the victim when the fire started?

Incidents	Primary Fires	Optional/Mandatory	Mandatory
Pre-populated?		Depends on	3.5 + 3.2
On FDR1?	No	Format	Drop Down
Notes:	<p>For building fires only. Can be used to inform community fire safety</p> <p>For all other incidents it will not be displayed and the value is defaulted to 'Not applicable'.</p>		

Code	Location at time of fire (Building Primary Fires only)	Includes
1	Room, cabin or compartment of origin	
2	Different room, cabin or compartment on floor of origin	
3	Floor above origin	
4	Two or more floors above origin	
5	One floor below origin	
6	Two or more floors below origin	
7	Outside building, vehicle etc of origin	
8	Seat of fire unknown or multi-seated (and above not applicable)	
9	Location of person unknown	
98	Not applicable	
99	Other location	
0	Not known	

Question 9.11 - Where was the victim found?

Incidents	Primary Fires	Optional/Mandatory	Mandatory
Pre-populated?		Depends on	3.5 + 3.2
On FDR1?	Yes	Format	Drop Down
Notes:	<p>Building Primary Fires Only.</p> <p>For all other incidents it will not be displayed and the value is defaulted to 'Not applicable'.</p>		

Code	Where found	Includes
1	Room, cabin or compartment of origin	
2	Different room, cabin or compartment on floor of origin	
3	Floor above origin	
4	Two or more floors above origin	
5	One floor below origin	
6	Two or more floors below origin	

Code	Where found	Includes
7	Outside building, vehicle etc of origin	
8	Seat of fire unknown or multi-seated (and above not applicable)	
9	Location of person unknown	
98	Not applicable	
99	Other location	

Question 9.12 – What role did this victim play in the incident?

Incidents	Primary Fires, Special Services	Optional/Mandatory	Mandatory
Pre-populated?		Depends on	3.5
On FDR1?	Yes	Format	Drop Down
Notes:			

Code	Role of victim	Includes
1	Firefighter on duty	
2	Other emergency service personnel	
3	Resident/Occupant	
4	Passer by	
5	Driver	
6	Passenger	
7	Visitor	
9	Employee in workplace	
10	Customer in shop	
8	Other FRS personnel on duty	
99	Other	
0	Not known	

Question 9.13 – Was the victim rescued?

Incidents	Primary Fires, Special Services	Optional/Mandatory	Mandatory
Pre-populated?		Depends on	3.5 + 9.6
On FDR1?	Yes	Format	Radio - Yes/ No /Don't Know
Notes:	Defaulted to Yes if Q9.6 = Rescue		

Question 9.14 – If rescued, where was the victim rescued from?

Incidents	Primary Fires	Optional/Mandatory	Mandatory
Pre-populated?		Depends on	9.13 + 3.2
On FDR1?	Yes	Format	Drop Down
Notes:	For Building, Aircraft, Rail Vehicle and Boat Fires Only i.e. Not Road Vehicles or Outdoors or Outdoor Structures. For all other incidents it will not be displayed and the value is		

	defaulted to 'Not applicable'.
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Code	Rescued victim's location and circumstances	Includes
1	Room, cabin or compartment of origin	
2	Different room, cabin or compartment on floor of origin	
3	Floor above origin - includes mezzanine above floor of origin	
4	Two or more floors above origin	
5	One floor below origin - includes stairway leading down from floor	
6	Two or more floors below origin	
7	Roof	
8	Outside building of origin	
98	Not applicable	
99	Other	

Question 9.15 – If rescued, who rescued the victim?

Incidents	Primary Fires, Special Services	Optional/Mandatory	Mandatory
Pre-populated?		Depends on	9.13
On FDR1?	Yes	Format	Drop Down
Notes:			

Code	Victim's rescuer	Includes
1	Firefighter without breathing apparatus	
2	Firefighter with breathing apparatus	
3	Other without breathing apparatus	
4	Other with breathing apparatus	
0	Rescuer not known	

Question 9.16 –If rescued, what method was used?

Incidents	Primary Fires, Special Services	Optional/Mandatory	Mandatory
Pre-populated?		Depends on	9.13
On FDR1?	Yes	Format	Drop Down
Notes:			

Code	Rescue methods	Includes
1	Ladder	
2	Aerial appliance	
11	Specialist rope rescue	
6	Rescue with fire service lines e.g. lowered from height	

12	Boat	
7	Supported/Carried out	
8	Extricated	USAR activities, building collapse etc.
9	Released	
13	Other organisation's resources e.g. helicopter, etc.	Organisations such as MCA, mines rescue, RNLI
99	Other method	
0	Not known	

Question 9.17 – Title

Incidents	Primary Fires, Special Services	Optional/Mandatory	Mandatory
Pre-populated?		Depends on	9.6 = Fatality / Injury and 9.12
On FDR1?	Yes	Format	Text, 0-35 char
Notes:	Mandatory for serious injuries and fatalities only. Mandatory for role of 'Firefighter on duty'.		

Question 9.18 – Surname

Incidents	Primary Fires, Special Services	Optional/Mandatory	Mandatory
Pre-populated?		Depends on	9.6 and 9.12
On FDR1?	Yes	Format	Text, 0-35 char
Notes:	Mandatory for serious injuries and fatalities only. Mandatory for role of 'Firefighter on duty'.		

Question 9.19 – Forename

Incidents	Primary Fires, Special Services	Optional/Mandatory	Mandatory
Pre-populated?		Depends on	9.6 and 9.12
On FDR1?	Yes	Format	Text, 0-35 char
Notes:	Mandatory for serious injuries and fatalities only. Mandatory for role of 'Firefighter on duty'.		

Question 9.20 – Circumstances of fatal casualty

Incidents	Primary Fires, Special Services	Optional/Mandatory	Mandatory
Pre-populated?		Depends on	9.6 = Fatality
On FDR1?	Yes	Format	Drop Down
Notes:	Asked for fatalities only		

Code	Circumstances of fatal casualty	Includes
1	Thought to be already dead when Firefighter arrived	
2	Unable to resuscitate, confirmed dead at scene	
3	Unable to resuscitate at scene, confirmed dead at hospital	
4	Alive on leaving scene, but died later	
0	Not known	

Question 9.21– Was the death/injury fire related?

Incidents	Primary Fires	Optional/Mandatory	Mandatory
Pre-populated?		Depends on	Q9.6 = Fatality or Injury for Primary Fires
On FDR1?	No	Format	Radio - Yes/No/Don't know
Notes:	<p>To improve accuracy of statistics as all injuries/deaths in fires are not necessarily fire-related. For example an RTC in which the vehicle catches fire.</p> <p>For all Special Service incidents it will not be displayed and the value is defaulted to 'No'.</p>		

Question 9.22 – What is your understanding of the cause of death / nature of injury?

Incidents	Primary Fires, Special Services	Optional/Mandatory	Mandatory
Pre-populated?		Depends on	Q9.6 = Fatality or Injury
On FDR1?	Yes	Format	Drop Down
Notes:	The list is filtered based on the value of Q9.6.		

Code	(Fatality only)	Includes
1	Overcome by gas, smoke or toxic fumes; asphyxiation	
2	Burns - severe	
4	Combination of burns and overcome by gas/smoke	
5	Shock/Anaphylactic shock	
6	Other medical condition	
10	Fracture	
14	Other physical injury	
15	Cuts/Lacerations	
16	Impalement	
17	Drowning	
18	Hypothermia	
19	Heat exhaustion	
20	Back/Neck injury (spinal)	
21	Head injury	
22	Chest/Abdominal injury	
23	Chest pain/Heart condition/Cardiac arrest	
99	Other	
0	Not known	

Code	(Injury only)	Includes
1	Overcome by gas, smoke or toxic fumes; asphyxiation	
2	Burns - severe	
3	Burns - slight	
4	Combination of burns and overcome by gas/smoke	
5	Shock/Anaphylactic shock	
6	Other medical condition	
9	Breathing difficulties (Other than 'Overcome by gas, smoke or toxic fumes, asphyxiation')	
10	Fracture	
11	Concussion	
12	Bruising	

13	Unconscious, fitting or unresponsive (no other evident significant injury)	
14	Other physical injury	
15	Cuts/Lacerations	
16	Impalement	
17	Drowning	
18	Hypothermia	
19	Heat exhaustion	
20	Back/Neck injury (spinal)	
21	Head injury	
22	Chest/Abdominal injury	
23	Chest pain/Heart condition/Cardiac arrest	
24	Choking	
25	Collapse	
99	Other	
0	Not known	

Question 9.23 – Has the casualty been reconciled against the appropriate death certificate?

Incidents	Primary Fires, Special Services	Optional/Mandatory	Optional
Pre-populated?		Depends on	9.6 = Fatality or Injury only
On FDR1?	No	Format	Drop Down
Notes:	For CLG use only		

Question 9.24 – What is your understanding of the severity of the injury?

Incidents	Primary Fires, Special Services	Optional/Mandatory	Mandatory
Pre-populated?		Depends on	Q9.6 = Injury
On FDR1?	Yes	Format	Drop Down
Notes:			

Code	Severity of (non-fatal) injury	Includes
1	Victim went to hospital, injuries appear to be Serious	Serious
2	Victim went to hospital, injuries appear to be Slight	Slight
3	First aid given at scene	
4	Precautionary check recommended	

Question 9.25 – What were the other circumstances of the victim?

Incidents	Primary Fires	Optional/Mandatory	Mandatory
Pre-populated?		Depends on	3.2
On FDR1?	Yes	Format	Drop Down
Notes:	Building Primary Fires Only.		

	Do not display and set to 'Not applicable' for all other Incident types.
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Code	Other circumstances of victim	Includes
1	Bedridden	
2	Chair-ridden, e.g. in a wheel chair	
4	Other immobility	
3	Suspected under influence of alcohol	
20	Suspected under influence of drugs	
5	Discovering fire	
6	Fell onto fire	
7	Fighting fire (including attempts)	
8	Trapped by fire because unaware, e.g. asleep	
9	Trapped by fire other than unaware	
10	Trapped by collapse of structure	
11	Trapped by smoke	
12	Injured escaping	
13	Injured rescuing person	
14	Injured rescuing property or animals	
15	Injured being rescued	
16	Injured by blast	
17	Returned to fire	
18	Intentionally sustained at start of fire (e.g. suicides or attempts)	
19	Injury accidentally sustained at start of fire	
98	Not applicable	
99	Other	
0	Not known	

Question 9.26 – Was Oxygen provided at the scene?

Incidents	Primary Fires, Special Services	Optional/Mandatory	Mandatory
Pre-populated?		Depends on	9.6 = Fatality or Injury
On FDR1?	No	Format	Radio – Yes/No
Notes:			

5.10 Summary

In the IRS Online forms the summary screen is used to:

- display a summary of the incident details,
- display any errors that have been found
- ask if the user has finished entering data

In addition to this the user is also able to enter some notes about the incident, similar to section 7 on the current FDR1 form.

The following notes fields are available:

- General – to allow the user to enter notes about the incident
- FRS Queries – to allow the user to lodge a query about how they have completed the incident, this would be reviewed by the FRS QA team
- NS queries – these can be entered by the CLG users who have a query about the incident.

6. Hierarchy Lists

6.1 Mobilise Incident Types

The incident types are split into 7 generic groups, which are:

- A - Alarms
- E - Explosion
- F - Fire
- HM - Hazardous Material
- R - Rescues
- UA - Unlawful Act
- HA - Humanitarian or Assistance

Incident Type - Level 1	Incident Type - Level 2	Desc.	ID	Priority	For National Statistics Use
Alarms					
Alarms	AFA	Incidents involving automatic fire detection systems	1	3	yes
Alarms	Gas alarms	Any incident where the RCC is called to a fixed installation gas alarm. Domestic, commercial, industrial	2	3	yes
Alarms	Smoke alarm	Any report of a domestic smoke alarm operating. From a Member of the public or a monitoring station	3	3	yes
Alarms	Intruder alarm at FRS property	Activation of these alarms will be indicated through the RCC Systems. RCC will mobilise staff to investigate.	4	1	no
Alarms	Fire alarm at FRS property	Activation of these alarms will be indicated through the RCC Systems. RCC will mobilise staff to investigate.	5	1	yes
Explosion					
Explosion	Explosion	Report of an explosion at a domestic or industrial premises. Not including deliberate bomb attacks	20	2	yes
Explosion	Vehicle LPG fuelled	Fires in vehicles fuelled by Liquid Petroleum Gas.	21	2	yes
Fire					
Fire	Abandoned call	Any occasion where a call is made to an RCC where the call terminates prematurely and the information is incomplete	30	5	no
Fire	Aircraft large	Large fixed wing commercial or private aircraft excluding military	31	1	yes
Fire	Aircraft light	Fixed wing recreational/crop spraying/small private aircraft. Including - microlite and helicopters	32	1	yes
Fire	Aircraft military	Incidents involving military aircraft. In flight or grounded	33	1	yes
Fire	Barn	Incidents involving agricultural storage premises other than silos . May contain livestock/straw/hay/agrochemicals and farm machinery	34	2	yes
Fire	Boat	Fires involving recreational water borne craft. Barges, yachts, fishing boats	35	2	yes
Fire	Building	Any permanent or semi permanent built structure and attached/adjoining outbuildings	36	2	yes

Fire	Building thatched	Fire involving any building with a thatched roof	37	2	yes
Fire	Caravan / camping	Includes static caravans / tents, non permanent accommodation structures	38	2	yes
Fire	Chimney	Domestic property chimney fires. Not commercial/industrial or thatch properties	39	3	yes
Fire	Chimney thatch	Chimney fire in any property with a thatch roof	40	2	yes
Fire	Cylinder acetylene	Any incident specifically involving acetylene cylinder/s. Fire, Leak, Damaged	41	2	yes
Fire	Cylinder other	Fires/leakages of gas cylinders.	42	3	yes
Fire	Derelict property	Any property that is abandoned, officially uninhabited, awaiting demolition or in dangerous or unsafe condition	43	3	yes
Fire	Electrical installations	Fires involving non-domestic electrical installations and associated equipment	44	2	yes
Fire	Fire	Report of fire, where the nature of the fire cannot be specified by the caller. Too far away, unsure of location, in the distance	45	3	yes
Fire	Fire in the open - large	A fire in the open that covers a large area or involves large quantities of combustible materials. Scrapyards, large open areas, standing crops, woodland	46	3	yes
Fire	Fire in the open - small	A fire in the open that covers a small area or involves small quantities of combustible materials. Rubbish/bins, single tree, bushes, grass	47	4	yes
Fire	Fire now out	Any incident where a reported fire is now believed to be out.	48	5	yes
Fire	Late fire call	Incidents which involve a call to the Fire and Rescue Service where it is stated by the caller that the incident is believed to have concluded in excess of one hour prior to the time of call.	49	5	yes
Fire	Persons	Incidents involving a person or persons believed to be physically at risk from fire ie trapped by or in physical contact with the fire. Such incidents may involve persons trapped within a building, vehicle enclosure etc.	50	1	yes
Fire	Persons on fire	Incidents involving an individual or individuals physically involved in fire including any part of the body and/or clothing worn by the victim/s.	51	1	yes
Fire	Post box	Fires involving the contents and or structure of freestanding post boxes, excluding those attached to or incorporated within a building.	52	4	yes
Fire	Railway embankment	Any fire in the open (large or small) occurring on property owned by the railways. Including lineside fires, embankments, sidings, verges and track	53	3	yes
Fire	Railway train goods	A railway incident involving fire in a goods/ mixed goods/tanker rolling stock	54	2	yes
Fire	Railway train passenger	A railway incident involving a fire in a passenger train	55	2	yes
Fire	Road furniture	Fires involving all types of roadside furniture.	56	4	yes
Fire	Ship	Any fire on a seagoing vessel, in any compartment or part of the ship including any cargo	57	2	yes
Fire	Smoke in the open	Report of smoke of from a source that is not immediately identifiable	58	3	yes
Fire	Vehicle large	Any large road vehicle involved in fire	59	2	yes
Fire	Vehicle small	Fire involving any small vehicle. Car, small van, motorcycle, light plant vehicle,	60	3	yes
Fire	Below ground fire	A subterranean fire not readily accessible from ground level. Cable ductings, mines, underground transport systems.	61	3	yes
Humanitarian or Assistance					
Humanitarian or Assistance	Advice given	Any incident where no F&RS attendance is required. But appropriate advice is given to the caller. Burst pipe, other services	80	5	yes
Humanitarian or Assistance	Aircraft landing	Standing by at non emergency landing situation.	81	5	yes

Humanitarian or Assistance	Assist other agency	Requests to assist other agencies with non-emergency events. Lifting heavy casualties, swilling away, body recovery	82	5	yes
Humanitarian or Assistance	Boat stability	Incidents where boats require assistance in danger of sinking	83	3	yes
Humanitarian or Assistance	Co responder	The mobilisation of trained fire crews to provide emergency medical assistance to members of the public,	84	1	yes
Humanitarian or Assistance	Dangerous structure	Incident involving any structure which presents a hazard due to its unsafe condition. Collapse, falling debris, damage to property	85	5	yes
Humanitarian or Assistance	Fire safety issue	The provision of immediate advice or referral of the issue to a specialist fire safety officer or department. Including Fire Safety complaints	86	5	yes
Humanitarian or Assistance	Flooding	Incidents involving all types of flooding including: All building types, flash flooding, flooding in open ground, farm land, highways, vehicles etc.	87	5	yes
Humanitarian or Assistance	Inform other agency	Forwarding information received at the RCC to appropriate external agencies	88	5	no
Humanitarian or Assistance	Persons collapsed	Incidents involving a person or persons who have become incapacitated and are unable to walk or move unaided including persons that are either concious or unconcious.	89	2	yes
Humanitarian or Assistance	Persons locked out	Incidents involving persons who are unable to gain unassisted entry into a room, building, vehicle or other such enclosure where urgent entry is essential to ensure the health,safety and welfare of themselves and/or others.	90	5	yes
Humanitarian or Assistance	RTC	Incidents involving 'road traffic collisions' where no persons are involved. F&RS attends for safety purposes only	91	4	yes
Humanitarian or Assistance	Supply water	Requests to assist with the supply of bulk water	92	5	yes
Humanitarian or Assistance	Swill away	Any request from recognised authorities to assist with the removal by washing away low or non hazard substances from a public place	93	5	yes
Hazardous Material					
Hazardous Material	Gas involved	Incidents involving all types of gas leak from mains or fixed installations excluding cylinder supplies. Such incidents would include domestic and commercial Gas, Carbon Monoxide, Ammonia, Methane etc	100	2	yes
Hazardous Material	Haz mat minor	Incidents involving low hazard substances with little or no potential to escalate and with only the potential to cause minimal risk to life or property. eg leaks from domestic fridges,unknown substances in garden sheds etc.	101	3	yes
Hazardous Material	Oil pollution	Incidents involving the spillage, leakage or contamination of oil products including mineral and synthetic oils. Such incidents may involve the requirement for decontamination, containment or absorbtion.	102	3	yes
Hazardous Material	Pipeline	Incidents involving above ground or subteranean pipelines including fractures,leaks,explosions.	103	2	yes
Hazardous Material	Radiation involved	Any incident involving the accidental or deliberate release of a radioactive source or substance includes Incidents involving Irradiated Nuclear Fuel ie Plutonium or high level Radioactive Waste (not CCBRN)	104	2	yes
Hazardous Material	Unidentified smell	Any report of an unidentified smell causing concern or having an adverse effect on people in an area	105	3	yes
Hazardous Material	Vehicle leaking fuel	Any report of a fuel spillage originating from a vehicle, not RTC.	106	4	yes

Hazardous Material	Haz mat major	Incidents involving confirmed high hazard substances which have the potential to escalate and/or cause significant risk to life or property. Such substances may include chemical, Biological, Radiological or Nuclear. Not including CCBRN.	107	2	yes
Rescues					
Rescues	Aircraft accident large	Large fixed wing commercial or private aircraft excluding military	120	1	yes
Rescues	Aircraft accident light	Fixed wing recreational/crop spraying/small private aircraft. Including - microlights and helicopters	121	2	yes
Rescues	Aircraft in distress	Calls originating from airport authorities, indicating aircraft reporting in flight problems	122	3	yes
Rescues	Animal rescue large	Animals suffering physical entrapment, beyond the lifting capabilities of one person or requiring specialist equipment	123	5	yes
Rescues	Animal rescue small	Animals suffering physical entrapment, within the lifting capabilities of one person not requiring specialist equipment	124	5	yes
Rescues	Boat rescue	Assisting people in distress on boats. Evacuation	125	3	yes
Rescues	Building collapse	Collapse of any permanent or semi permanent built structure and attached/adjoining outbuildings	126	1	yes
Rescues	Evacuation of persons	Incident involving assisting with the evacuation of people from a place of imminent danger to a place of safety.	127	3	yes
Rescues	Lift persons shut in	Incidents involving persons stuck within the confines of a lift car due to mechanical failure or physical restriction ie persons are unable to make their own way out unassisted.	128	4	yes
Rescues	Persons locked in	Incidents involving persons secured within the confines of a room, building, vehicle or other such enclosure and are unable to make their own way out unassisted and where urgent exit is essential to ensure the health,safety and welfare of themselves and/o	129	4	yes
Rescues	Persons trapped	Incidents involving a person or persons physically trapped by objects, structures, machinery or their physical location, such as a cliff face etc, and are unable to release themselves to a place of safety without urgent assistance.	130	1	yes
Rescues	Railway accident	The rescue and evacuation assistance of people involved in rail accidents, breakdowns, collisions, derailments, suicides.	131	1	yes
Rescues	Rescue from confined space	Assisting at or facilitating rescue of persons from confined spaces and or underground	132	1	yes
Rescues	Rescue from entrapment	The release of persons from which they are physically trapped and unable to free themselves.	133	1	yes
Rescues	Rescue from height	The release of persons physically trapped and/or unable to free themselves at height. Includes any person at any location in an elevated position	134	1	yes
Rescues	Rescue from mud	Release of persons physically trapped and unable to free themselves from mud, earth, quicksand, slurry	135	1	yes
Rescues	Rescue from water	The rescue of persons from or adjacent to water, both static and flowing or ice.	136	1	yes
Rescues	RTC persons trapped (large vehicles)	Incidents involving the rescue of persons from road traffic collisions' where large or heavy goods vehicles are involved.	137	1	yes
Rescues	RTC persons trapped (small vehicles)	Incidents involving the rescue of persons from road traffic collisions' not involving large or heavy goods vehicles	138	1	yes
Rescues	Ship sinking	Any assistance or professional advice that can be given to vessels in distress.	139	3	yes
Rescues	Suicide attempt	Standing by and assisting other agencies as required	140	5	yes

		at suicide threat incidents.			
Rescues	UKFRSSART	Incident in which the UK FRS Search and Rescue Team is requested to be sent abroad	141	5	no
Civil Disturbance / Unlawful Act					
Civil Disturbance / Unlawful Act	Bomb confirmed	Incidents where the threat of an explosive device has been confirmed	160	2	yes
Civil Disturbance / Unlawful Act	Bomb suspected	Responding as requested to incidents where there is a credible threat of terrorist explosive devices	161	3	yes
Civil Disturbance / Unlawful Act	Civil disturbance	Incidents where there is large scale civil unrest.	162	5	yes
Civil Disturbance / Unlawful Act	Call challenged pp - public pay phone	Any occasion where a report of an incident is received by a RCC which is believed to have been made with malicious intent or with intent to cause a nuisance and where it is considered that no legitimate incident exists.From a public Pay phone.	163	5	no
Civil Disturbance / Unlawful Act	Call challenged mp - mobile phone	Any occasion where a report of an incident is received by a RCC which is believed to have been made with malicious intent or with intent to cause a nuisance and where it is considered that no legitimate incident exists.From a mobile.	164	5	no
Civil Disturbance / Unlawful Act	Call challenged ps - public subscriber line	Any occasion where a report of an incident is received by a RCC which is believed to have been made with malicious intent or with intent to cause a nuisance and where it is considered that no legitimate incident exists.From a mobile.	165	5	no
Not Known		A command and control system can't identify a code as it only possesses a Description.	9999	5	yes

6.2 Property Types

SUB TYPE (level 2)	CATEGORY (level 3)	level 4	ID	Is Primary Fire	Property Category	Is Property Regulated
Dwelling	House - single occupancy		1	yes	Dwelling	no
Dwelling	Bungalow - single occupancy		2	yes	Dwelling	no
Dwelling	Purpose Built Flat/Maisonette - single occupancy	Up to 3 storeys	10	yes	Dwelling	no
Dwelling	Purpose Built Flat/Maisonette - single occupancy	4 to 9 storeys	11	yes	Dwelling	no
Dwelling	Purpose Built Flat/Maisonette - single occupancy	10 or more storeys	12	yes	Dwelling	no
Dwelling	Converted Flat/Maisonette - single occupancy	Up to 2 storeys	20	yes	Dwelling	no
Dwelling	Converted Flat/Maisonette - single occupancy	3 or more storeys	21	yes	Dwelling	no
Dwelling	Licensed HMO	Up to 2 storeys	30	yes	Dwelling	no
Dwelling	Licensed HMO	3 or more storeys	31	yes	Dwelling	no
Dwelling	Unlicensed HMO	Up to 2 storeys	40	yes	Dwelling	no
Dwelling	Unlicensed HMO	3 or more storeys	41	yes	Dwelling	no
Dwelling	Unknown if licensed HMO	Up to 2 storeys	50	yes	Dwelling	no
Dwelling	Unknown if licensed HMO	3 or more storeys	51	yes	Dwelling	no
Dwelling	Self contained Sheltered Housing		52	yes	Dwelling	no
Dwelling	caravan/mobile home (permanent dwelling)		53	yes	Dwelling	no
Dwelling	Houseboat (permanent dwelling)		54	yes	Dwelling	no
Dwelling	Tenement Building		55	yes	Dwelling	no
Dwelling	Other Dwelling		56	yes	Dwelling	no
Other Residential	Hotel/motel		60	yes	OtherResidential	yes
Other Residential	Boarding House/B&B for homeless/asylum seekers		61	yes	OtherResidential	yes
Other Residential	Boarding House/B&B other		62	yes	OtherResidential	yes
Other Residential	Youth hostel		63	yes	OtherResidential	yes
Other Residential	Caravan site - in caravan/camper van		64	yes	OtherResidential	yes
Other Residential	Other holiday residence (cottage, flat, chalet)		65	yes	OtherResidential	yes
Other Residential	Hostel (e.g. for homeless people)		66	yes	OtherResidential	yes
Other Residential	Sheltered Housing – not self contained		67	yes	OtherResidential	yes
Other Residential	Residential Home	Children's	70	yes	OtherResidential	yes
Other Residential	Residential Home	Nursing/Care	71	yes	OtherResidential	yes
Other Residential	Residential Home	Retirement	72	yes	OtherResidential	yes
Other Residential	Student Hall of Residence		73	yes	OtherResidential	yes
Other Residential	Boarding School accommodation		74	yes	OtherResidential	yes

SUB TYPE (level 2)	CATEGORY (level 3)	level 4	ID	Is Primary Fire	Property Category	Is Property Regulated
Other Residential	Nurses'/Doctors' accommodation		75	yes	OtherResidential	yes
Other Residential	Militray/barracks		76	yes	OtherResidential	yes
Other Residential	Monastery/convent		77	yes	OtherResidential	yes
Other Residential	Other Residential Home		78	yes	OtherResidential	yes
Non Residential	Offices and call centres	Purpose built office	80	yes	NonResidential	yes
Non Residential	Offices and call centres	Temporary office (eg portacabin)	81	yes	NonResidential	yes
Non Residential	Offices and call centres	Converted office	82	yes	NonResidential	yes
Non Residential	Offices and call centres	Call Centre	83	yes	NonResidential	yes
Non Residential	Offices and call centres	TV/film/music/art studio	84	yes	NonResidential	yes
Non Residential	Offices and call centres	Other	85	yes	NonResidential	yes
Non Residential	Retail	Single shop	90	yes	NonResidential	yes
Non Residential	Retail	Post office (purpose built)	91	yes	NonResidential	yes
Non Residential	Retail	Post office (within other shop/premises)	92	yes	NonResidential	yes
Non Residential	Retail	Shopping Centre	93	yes	NonResidential	yes
Non Residential	Retail	DIY Warehouse	94	yes	NonResidential	yes
Non Residential	Retail	Electrical warehouse	95	yes	NonResidential	yes
Non Residential	Retail	Furniture warehouse	96	yes	NonResidential	yes
Non Residential	Retail	Other retail warehouse	97	yes	NonResidential	yes
Non Residential	Retail	Large supermarket	98	yes	NonResidential	yes
Non Residential	Retail	Department Store	99	yes	NonResidential	yes
Non Residential	Retail	Laundrette	100	yes	NonResidential	yes
Non Residential	Retail	Hairdresser	101	yes	NonResidential	yes
Non Residential	Retail	Indoor Market	102	yes	NonResidential	yes
Non Residential	Retail	Vehicle sales	103	yes	NonResidential	yes
Non Residential	Retail	Petrol station	104	yes	NonResidential	yes
Non Residential	Retail	Bank/Building Society	105	yes	NonResidential	yes
Non Residential	Retail	Travel Agent	106	yes	NonResidential	yes
Non Residential	Retail	Estate Agent	107	yes	NonResidential	yes
Non Residential	Retail	Other retail	108	yes	NonResidential	yes
Non Residential	Laboratory/research Establishment		120	yes	NonResidential	yes
Non Residential	Industrial Processing	Animal products	130	yes	NonResidential	yes
Non Residential	Industrial Processing	Chemicals	131	yes	NonResidential	yes
Non Residential	Industrial Processing	Oil refinery	132	yes	NonResidential	yes
Non Residential	Industrial Processing	Recycling	133	yes	NonResidential	yes
Non Residential	Industrial Processing	Other	134	yes	NonResidential	yes
Non Residential	Industrial Manufacturing	Factory	140	yes	NonResidential	yes

SUB TYPE (level 2)	CATEGORY (level 3)	level 4	ID	Is Primary Fire	Property Category	Is Property Regulated
Non Residential	Industrial Manufacturing	Mill	141	yes	NonResidential	yes
Non Residential	Industrial Manufacturing	Engineering	142	yes	NonResidential	yes
Non Residential	Industrial Manufacturing	Assembly	143	yes	NonResidential	yes
Non Residential	Industrial Manufacturing	Printing	144	yes	NonResidential	yes
Non Residential	Industrial Manufacturing	Other	145	yes	NonResidential	yes
Non Residential	Public Utilities	Gas works	150	yes	NonResidential	yes
Non Residential	Public Utilities	Sewage works	151	yes	NonResidential	yes
Non Residential	Public Utilities	Electricity power station	152	yes	NonResidential	yes
Non Residential	Public Utilities	Water works	153	yes	NonResidential	yes
Non Residential	Public Utilities	Other	154	yes	NonResidential	yes
Non Residential	Vehicle Repair		160	yes	NonResidential	yes
Non Residential	Warehouses and bulk storage	Warehouse	170	yes	NonResidential	yes
Non Residential	Warehouses and bulk storage	Oil	171	yes	NonResidential	yes
Non Residential	Warehouses and bulk storage	Gas	172	yes	NonResidential	yes
Non Residential	Warehouses and bulk storage	Waste	173	yes	NonResidential	yes
Non Residential	Warehouses and bulk storage	Hazardous materials	174	yes	NonResidential	yes
Non Residential	Warehouses and bulk storage	Other	175	yes	NonResidential	yes
Non Residential	Animal boarding/breeding/kennels (not farm)	cats	180	yes	NonResidential	yes
Non Residential	Animal boarding/breeding/kennels (not farm)	dogs	181	yes	NonResidential	yes
Non Residential	Animal boarding/breeding/kennels (not farm)	Other	182	yes	NonResidential	yes
Non Residential	Car Parks	Underground	190	yes	NonResidential	yes
Non Residential	Car Parks	Multi-Storey	191	yes	NonResidential	yes
Non Residential	Car Parks	Other	192	yes	NonResidential	yes
Non Residential	Education	Pre School/nursery	200	yes	NonResidential	yes
Non Residential	Education	infant/primary school	201	yes	NonResidential	yes
Non Residential	Education	secondary school	202	yes	NonResidential	yes
Non Residential	Education	College/University	203	yes	NonResidential	yes
Non Residential	Education	Other	204	yes	NonResidential	yes
Non Residential	Food and Drink	Pub/wine bar/bar	210	yes	NonResidential	yes
Non Residential	Food and Drink	Takeaway, fast food	211	yes	NonResidential	yes
Non Residential	Food and Drink	Other Restaurant/café	212	yes	NonResidential	yes
Non Residential	Entertainment and culture	Cinema	220	yes	NonResidential	yes
Non Residential	Entertainment and culture	Theatre	221	yes	NonResidential	yes
Non Residential	Entertainment and culture	Club/night club	222	yes	NonResidential	yes
Non Residential	Entertainment and culture	Sports/Social club	223	yes	NonResidential	yes
Non Residential	Entertainment and culture	Theme Park	224	yes	NonResidential	yes

SUB TYPE (level 2)	CATEGORY (level 3)	level 4	ID	Is Primary Fire	Property Category	Is Property Regulated
Non Residential	Entertainment and culture	Bingo Hall	225	yes	NonResidential	yes
Non Residential	Entertainment and culture	Casino	226	yes	NonResidential	yes
Non Residential	Entertainment and culture	Concert Hall	227	yes	NonResidential	yes
Non Residential	Entertainment and culture	Zoo	228	yes	NonResidential	yes
Non Residential	Entertainment and culture	Library	229	yes	NonResidential	yes
Non Residential	Entertainment and culture	Museum	230	yes	NonResidential	yes
Non Residential	Entertainment and culture	Art Gallery	231	yes	NonResidential	yes
Non Residential	Entertainment and culture	Exhibition Centre	232	yes	NonResidential	yes
Non Residential	Entertainment and culture	Community centre/Hall	233	yes	NonResidential	yes
Non Residential	Entertainment and culture	Conference Centre	234	yes	NonResidential	yes
Non Residential	Entertainment and culture	Health Centre	235	yes	NonResidential	yes
Non Residential	Entertainment and culture	Other entertainment venue	236	yes	NonResidential	yes
Non Residential	Entertainment and culture	Other cultural venue	237	yes	NonResidential	yes
Non Residential	Hospitals and medical care	Hospital	240	yes	NonResidential	yes
Non Residential	Hospitals and medical care	Other (including surgery)	241	yes	NonResidential	yes
Non Residential	Sporting venues	Football stadium	250	yes	NonResidential	yes
Non Residential	Sporting venues	Rugby Stadium	251	yes	NonResidential	yes
Non Residential	Sporting venues	Athletics Stadium	252	yes	NonResidential	yes
Non Residential	Sporting venues	Cricket ground	253	yes	NonResidential	yes
Non Residential	Sporting venues	Tennis Courts	254	yes	NonResidential	yes
Non Residential	Sporting venues	Greyhound stadium	255	yes	NonResidential	yes
Non Residential	Sporting venues	Racecourse	256	yes	NonResidential	yes
Non Residential	Sporting venues	Motor racing circuit	257	yes	NonResidential	yes
Non Residential	Sporting venues	Other outdoor sporting venue	258	yes	NonResidential	yes
Non Residential	Sporting venues	Leisure Centre	259	yes	NonResidential	yes
Non Residential	Sporting venues	Gym	260	yes	NonResidential	yes
Non Residential	Sporting venues	Sports Hall	261	yes	NonResidential	yes
Non Residential	Sporting venues	Indoor stadium	262	yes	NonResidential	yes
Non Residential	Sporting venues	Swimming Pool	263	yes	NonResidential	yes
Non Residential	Sporting venues	Ice rink	264	yes	NonResidential	yes
Non Residential	Sporting venues	Other indoor sporting venue	265	yes	NonResidential	yes
Non Residential	Sports pavilion/shower block/changing facility		270	yes	NonResidential	yes
Non Residential	Private garage		271	yes	NonResidential	no
Non Residential	Private Garden Shed		272	yes	NonResidential	no
Non Residential	Private Summer house		273	yes	NonResidential	no
Non Residential	Private greenhouse		274	yes	NonResidential	no

SUB TYPE (level 2)	CATEGORY (level 3)	level 4	ID	Is Primary Fire	Property Category	Is Property Regulated
Non Residential	Other private non-residential building		275	yes	NonResidential	no
Non Residential	Public admin, security and safety	Town Hall	280	yes	NonResidential	yes
Non Residential	Public admin, security and safety	Law Courts	281	yes	NonResidential	yes
Non Residential	Public admin, security and safety	Local Government Office (open to public)	282	yes	NonResidential	yes
Non Residential	Public admin, security and safety	Central Government Office (open to public)	283	yes	NonResidential	yes
Non Residential	Public admin, security and safety	Police station	284	yes	NonResidential	yes
Non Residential	Public admin, security and safety	Fire station	285	yes	NonResidential	yes
Non Residential	Public admin, security and safety	Ambulance station	286	yes	NonResidential	yes
Non Residential	Public admin, security and safety	Prison	287	yes	NonResidential	yes
Non Residential	Public admin, security and safety	Young offenders unit	288	yes	NonResidential	yes
Non Residential	Public admin, security and safety	Other public buildings	289	yes	NonResidential	yes
Non Residential	Religious	Cathedral	300	yes	NonResidential	yes
Non Residential	Religious	Church/Chapel	301	yes	NonResidential	yes
Non Residential	Religious	Mosque	302	yes	NonResidential	yes
Non Residential	Religious	Temple	303	yes	NonResidential	yes
Non Residential	Religious	Synagogue	304	yes	NonResidential	yes
Non Residential	Religious	Other	305	yes	NonResidential	yes
Non Residential	Permanent Agricultural	Barn	310	yes	NonResidential	yes
Non Residential	Permanent Agricultural	Greenhouse (commercial) glass	311	yes	NonResidential	yes
Non Residential	Permanent Agricultural	Greenhouse (commercial) polytunnel	312	yes	NonResidential	yes
Non Residential	Permanent Agricultural	Intensive Farming Sheds (chickens, pigs etc)	313	yes	NonResidential	yes
Non Residential	Permanent Agricultural	Milking Parlour	314	yes	NonResidential	yes
Non Residential	Permanent Agricultural	Tractor Shed	315	yes	NonResidential	yes
Non Residential	Permanent Agricultural	Other building	316	yes	NonResidential	yes
Non Residential	Permanent Agricultural	Silo	317	yes	NonResidential	yes
Non Residential	Transport buildings	Train station - platform (overground)	320	yes	NonResidential	yes
Non Residential	Transport buildings	Train station - platform (underground)	321	yes	NonResidential	yes
Non Residential	Transport buildings	Train station - concourse	322	yes	NonResidential	yes
Non Residential	Transport buildings	Train station - elsewhere	323	yes	NonResidential	yes

SUB TYPE (level 2)	CATEGORY (level 3)	level 4	ID	Is Primary Fire	Property Category	Is Property Regulated
Non Residential	Transport buildings	Trains - engine shed	324	yes	NonResidential	yes
Non Residential	Transport buildings	Trains - other	325	yes	NonResidential	yes
Non Residential	Transport buildings	Airport - terminal	326	yes	NonResidential	yes
Non Residential	Transport buildings	Airport - hangar	327	yes	NonResidential	yes
Non Residential	Transport buildings	Airport - fuel storage	328	yes	NonResidential	yes
Non Residential	Transport buildings	Airport - elsewhere	329	yes	NonResidential	yes
Non Residential	Transport buildings	Docks	330	yes	NonResidential	yes
Non Residential	Transport buildings	Ferry terminal	331	yes	NonResidential	yes
Non Residential	Transport buildings	Bus/coach station/garage	332	yes	NonResidential	yes
Non Residential	Transport buildings	Other transport building	333	yes	NonResidential	yes
Non Residential	Mines and quarries - buildings above ground		334	yes	NonResidential	yes
Non Residential	Public toilets		335	yes	NonResidential	yes
Non Residential	Other buildings/use not known		336	yes	NonResidential	yes
Multiple Vehicles			350	yes	RoadVehicle	no
Car			340	yes	RoadVehicle	no
Van			341	yes	RoadVehicle	no
Motor Home			342	yes	RoadVehicle	no
Agricultural			343	yes	RoadVehicle	no
Motorcycle			344	yes	RoadVehicle	no
Lorry/HGV			345	yes	RoadVehicle	no
Tanker			346	yes	RoadVehicle	no
Bus/coach			347	yes	RoadVehicle	no
Minibus			348	yes	RoadVehicle	no
Caravan on tow			349	yes	RoadVehicle	no
Other			351	yes	RoadVehicle	no
Trains	Passenger Train (above ground)		360	yes	RailVehicle	no
Trains	Freight Train		361	yes	RailVehicle	no
Trains	Tram		362	yes	RailVehicle	no
Trains	Underground train – London system		363	yes	RailVehicle	no
Trains	Underground train – Other system		364	yes	RailVehicle	no
Aircraft	Passenger plane		370	yes	Aircraft	no
Aircraft	Light aircraft		371	yes	Aircraft	no
Aircraft	Helicopter		372	yes	Aircraft	no
Aircraft	Freight plane		373	yes	Aircraft	no
Aircraft	Military plane		374	yes	Aircraft	no
Aircraft	Military helicopter		375	yes	Aircraft	no
Aircraft	Other		376	yes	Aircraft	no

SUB TYPE (level 2)	CATEGORY (level 3)	level 4	ID	Is Primary Fire	Property Category	Is Property Regulated
Boats	Barge		380	yes	Boat	no
Boats	Fishing boat		381	yes	Boat	no
Boats	Large passenger vessel		382	yes	Boat	no
Boats	Motor yacht		383	yes	Boat	no
Boats	Tanker		384	yes	Boat	no
Boats	Other merchant vessel		385	yes	Boat	no
Boats	Naval vessel		386	yes	Boat	no
Boats	Other vessel		387	yes	Boat	no
Grassland, woodland and crops	Standing crop		390	yes	Outdoor	no
Grassland, woodland and crops	Stacked/baled crop		391	yes	Outdoor	no
Grassland, woodland and crops	Woodland/forest - conifers/softwood		392	yes	Outdoor	no
Grassland, woodland and crops	Woodland/forest - broadleaf/hardwood		393	yes	Outdoor	no
Grassland, woodland and crops	Tree scrub		394	no	Outdoor	no
Grassland, woodland and crops	Straw/stubble burning		395	no	Outdoor	no
Grassland, woodland and crops	Domestic garden (vegetation not equipment)		396	no	Outdoor	no
Grassland, woodland and crops	Nurseries, market garden		397	yes	Outdoor	no
Grassland, woodland and crops	Heathland or moorland		398	no	Outdoor	no
Grassland, woodland and crops	Grassland, pasture, grazing etc		399	no	Outdoor	no
Grassland, woodland and crops	Scrub land		400	no	Outdoor	no
Grassland, woodland and crops	Railway trackside vegetation		401	no	Outdoor	no
Grassland, woodland and crops	Roadside vegetation		402	no	Outdoor	no
Grassland, woodland and crops	Canal/riverbank vegetation		403	no	Outdoor	no
Outdoor structures	Refuse/rubbish tip		410	no	OutdoorStructure	no
Outdoor structures	Small refuse/rubbish container (eg wheelie bin)		411	no	OutdoorStructure	no
Outdoor structures	Large refuse/rubbish container (eg skip)		426	no	OutdoorStructure	no
Outdoor structures	Post box		412	yes	OutdoorStructure	no
Outdoor structures	Telephone box		413	yes	OutdoorStructure	no

SUB TYPE (level 2)	CATEGORY (level 3)	level 4	ID	Is Primary Fire	Property Category	Is Property Regulated
Outdoor structures	Kiosk		414	yes	OutdoorStructure	yes
Outdoor structures	Other outdoor structures		415	yes	OutdoorStructure	no
Outdoor structures	Tunnel, subway		416	yes	OutdoorStructure	no
Outdoor structures	Bridge		417	yes	OutdoorStructure	no
Outdoor structures	Railway goods yard		418	yes	OutdoorStructure	yes
Outdoor structures	Shelter		419	yes	OutdoorStructure	no
Outdoor structures	Camping tent		420	yes	OutdoorStructure	no
Outdoor structures	Other tent/marquee		421	yes	OutdoorStructure	yes
Outdoor structures	Other outdoor items including roadside furniture		422	no	OutdoorStructure	no
Outdoor structures	Railings		423	no	OutdoorStructure	no
Outdoor structures	Outdoor storage		424	yes	OutdoorStructure	no
Outdoor structures	Recycling collection point, bottle bank		425	yes	OutdoorStructure	no
Outdoor equipment and machinery	Garden equipment		430	yes	OutdoorStructure	no
Outdoor equipment and machinery	Agricultural equipment		431	yes	OutdoorStructure	no
Outdoor equipment and machinery	Pipes and drains		432	no	OutdoorStructure	no
Outdoor equipment and machinery	Cables		433	no	OutdoorStructure	no
Outdoor equipment and machinery	Barbeque		434	no	OutdoorStructure	no
Outdoor equipment and machinery	Other outdoor equipment/machinery		435	yes	OutdoorStructure	no
Other outdoors (including land)	Loose refuse		440	no	Outdoor	no
Other outdoors (including land)	River/canal		442	no	Outdoor	no
Other outdoors (including land)	Lake/pond/reservoir		443	no	Outdoor	no
Other outdoors (including land)	Sea		444	no	Outdoor	no
Other outdoors (including land)	Road surface/pavement		445	no	Outdoor	no
Other outdoors (including land)	Railway		446	no	Outdoor	no
Other outdoors (including land)	Airfield/runway		447	no	Outdoor	no
Other outdoors (including land)	Cycle path/public footpath/bridleway		448	no	Outdoor	no
Other outdoors (including land)	Cemetery		449	no	Outdoor	no
Other outdoors (including land)	Park		450	no	Outdoor	no
Other outdoors (including land)	Beach		451	no	Outdoor	no
Other outdoors (including land)	Landfill site		452	no	Outdoor	no
Other outdoors	Wasteland		453	no	Outdoor	no

SUB TYPE (level 2)	CATEGORY (level 3)	level 4	ID	Is Primary Fire	Property Category	Is Property Regulated
(including land)						
Other outdoors (including land)	Other outdoor location		454	no	Outdoor	no
Other outdoors (including land)	Mines and quarries - excluding buildings above ground		455	no	Outdoor	no
Not known	False Alarm – Property not found		9999	no	Dwelling	no

6.3 Special Service Types

LEVEL 1 - Type of action	LEVEL 2 - Sub type	LEVEL 3 - Category	ID	IsRTC	IsHazMat
RTC	Extrication of person/s		1	yes	no
RTC	Make vehicle safe		2	yes	no
RTC	Wash down road		3	yes	yes
RTC	Advice only		4	yes	no
RTC	Stand by - no action		5	yes	no
RTC	Other		6	yes	no
Other Transport incident	Extrication of person/s		10	no	no
Other Transport incident	Release of person/s		11	no	no
Other Transport incident	Make vehicle safe		12	no	no
Other Transport incident	Advice only		13	no	no
Other Transport incident	Stand by - no action		14	no	no
Other Transport incident	Other		15	no	no
Flooding	Evacuation		20	no	no
Flooding	Pumping out		21	no	no
Flooding	Advice only		22	no	no
Flooding	Stand by - no action		23	no	no
Flooding	Other		24	no	no
Rescue or evacuation from water	Person in water or at immediate risk of entering water	Person in river, canal or other waterway	30	no	no
Rescue or evacuation from water	Person in water or at immediate risk of entering water	Person in lake, sea or estuary	31	no	no
Rescue or evacuation from water	Person in water or at immediate risk of entering water	Person fallen through ice or at risk of doing so	32	no	no
Rescue or evacuation from water	Person in water or at immediate risk of entering water	Person in indoor or outdoor pool	33	no	no
Rescue or evacuation from water	Person in water or at immediate risk of entering water	Person stranded on beach or cliff with rising or full tide, river side/ravine or other waterway embankment where could fall into waterway	34	no	no
Rescue or evacuation from water	Person in water or at immediate risk of entering water	Person in sinking or otherwise unsound vessel	35	no	no
Rescue or evacuation from water	Person in water or at immediate risk of entering water	Person in industrial or other manmade water feature, eg sewage plant, industrial effluent pool	36	no	no
Rescue or evacuation from water	Person in water or at immediate risk of entering water	Person in or on top of vehicle that is surrounded by moving or rising water greater than (2) foot deep	37	no	no
Rescue or evacuation from water	Person in water or at immediate risk of entering water	Person in or on top of building that is surrounded by moving or rising water that will exceed head height or cause structural collapse	38	no	no
Rescue or evacuation from water	Person in water or at immediate risk of entering water	Person assisted from mobile home (e.g. caravan) surrounded by moving or rising water greater than (2) foot deep	39	no	no
Rescue or evacuation from water	Person in water or at immediate risk of entering water	Other	40	no	no
Rescue or evacuation from water	Person not in water or at imminent risk of entering water (NB water not flowing)	Person assisted from dwelling surrounded by water	50	no	no

LEVEL 1 - Type of action	LEVEL 2 - Sub type	LEVEL 3 - Category	ID	IsRTC	IsHazMat
Rescue or evacuation from water	Person not in water or at imminent risk of entering water (NB water not flowing)	Person assisted through or across public highway covered by water	51	no	no
Rescue or evacuation from water	Person not in water or at imminent risk of entering water (NB water not flowing)	Other	52	no	no
Other rescue/release of persons	Trapped in or under machinery or other object		60	no	no
Other rescue/release of persons	trapped in collapsed structure		61	no	no
Other rescue/release of persons	from mud		62	no	no
Other rescue/release of persons	Confined space with a noxious, toxic or oxygen deficient atmosphere		63	no	yes
Other rescue/release of persons	Confined space - atmosphere not noxious		64	no	no
Other rescue/release of persons	from height		65	no	no
Other rescue/release of persons	from below ground		66	no	no
Other rescue/release of persons	Other		67	no	no
Animal assistance incidents	Rescue from height	Farm animal, e.g. Horse or cow	70	no	no
Animal assistance incidents	Rescue from height	Cat, dog or other domestic pet	71	no	no
Animal assistance incidents	Rescue from height	Bird	72	no	no
Animal assistance incidents	Rescue from height	Other	73	no	no
Animal assistance incidents	Rescue from below ground	Farm animal, e.g. Horse or cow	80	no	no
Animal assistance incidents	Rescue from below ground	Cat, dog or other domestic pet	81	no	no
Animal assistance incidents	Rescue from below ground	Bird	82	no	no
Animal assistance incidents	Rescue from below ground	Other	83	no	no
Animal assistance incidents	Rescue from water	Farm animal, e.g. Horse or cow	90	no	no
Animal assistance incidents	Rescue from water	Cat, dog or other domestic pet	91	no	no
Animal assistance incidents	Rescue from water	Bird	92	no	no
Animal assistance incidents	Rescue from water	Other	93	no	no
Animal assistance incidents	Lift heavy animal		100	no	no
Animal assistance incidents	Other		101	no	no
Hazardous Materials incident	Class 1: Explosives	Environmental containment	110	no	yes
Hazardous Materials incident	Class 1: Explosives	No containment required	111	no	yes
Hazardous Materials incident	Class 2: Compressed Gases	Environmental containment	120	no	yes
Hazardous Materials incident	Class 2: Compressed Gases	No containment required	121	no	yes
Hazardous Materials incident	Class 3: Flammable Liquids	Environmental containment	130	no	yes
Hazardous Materials incident	Class 3: Flammable Liquids	No containment required	131	no	yes
Hazardous Materials incident	Class 4: Flammables	Environmental containment	140	no	yes
Hazardous Materials incident	Class 4: Flammables	No containment required	141	no	yes
Hazardous Materials incident	Class 5: Oxidizing Materials	Environmental containment	150	no	yes
Hazardous Materials incident	Class 5: Oxidizing Materials	No containment required	151	no	yes
Hazardous Materials incident	Class 6: Toxic Materials	Environmental containment	160	no	yes
Hazardous Materials incident	Class 6: Toxic Materials	No containment required	161	no	yes
Hazardous Materials incident	Class 7: Radioactive Materials	Environmental containment	170	no	yes
Hazardous Materials incident	Class 7: Radioactive Materials	No containment required	171	no	yes
Hazardous Materials incident	Class 8: Corrosive Materials	Environmental containment	180	no	yes
Hazardous Materials incident	Class 8: Corrosive Materials	No containment required	181	no	yes
Hazardous Materials incident	Class 9: Miscellaneous Dangerous Goods	Environmental containment	190	no	yes

LEVEL 1 - Type of action	LEVEL 2 - Sub type	LEVEL 3 - Category	ID	IsRTC	IsHazMat
Hazardous Materials incident	Class 9: Miscellaneous Dangerous Goods	No containment required	191	no	yes
Hazardous Materials incident	Combination of substances	Environmental containment	200	no	yes
Hazardous Materials incident	Combination of substances	No containment required	201	no	yes
Hazardous Materials incident	Unknown	Environmental containment	210	no	yes
Hazardous Materials incident	Unknown	No containment required	211	no	yes
Spills and Leaks (not RTC)	Swill away non-hazardous substances		220	no	no
Spills and Leaks (not RTC)	Vehicle leaking fuel		221	no	yes
Spills and Leaks (not RTC)	Other		222	no	yes
Making Safe (not RTC)	Stabilise or otherwise make safe unsafe structure		230	no	no
Making Safe (not RTC)	Cordon off hole e.g. Hole in road, Hole in pedestrian area		231	no	no
Making Safe (not RTC)	Remove object / obstruction from pedestrian area		232	no	no
Making Safe (not RTC)	Remove object / obstruction from highway		233	no	no
Making Safe (not RTC)	Removal/retrieval of dead body		234	no	no
Making Safe (not RTC)	Removal/retrieval of other object		235	no	no
Making Safe (not RTC)	Other		236	no	no
Lift Release	To child		240	no	no
Lift Release	To medical case		241	no	no
Lift Release	To person in distress		242	no	no
Lift Release	To able bodied person not in distress		243	no	no
Lift Release	No persons involved		244	no	no
Effecting entry/exit	To child		250	no	no
Effecting entry/exit	To medical case		251	no	no
Effecting entry/exit	To person in distress		252	no	no
Effecting entry/exit	To able bodied person not in distress		253	no	no
Effecting entry/exit	No persons involved		254	no	no
Removal of objects from people	Ring removal		260	no	no
Removal of objects from people	Handcuffs		261	no	no
Removal of objects from people	Other objects, e.g. railings (not impaled)		262	no	no
Removal of objects from people	Impaled		263	no	no
Removal of objects from people	Other, involving injury		264	no	no
Suicide/attempts	Threat of/attempted suicide		270	no	no
Suicide/attempts	Suicide		271	no	no
Medical Incident - Co-responder/First responder	Lift person		280	no	no
Medical Incident - Co-responder/First responder	Breathing difficulties / impairment / Respiratory arrest		281	no	no
Medical Incident - Co-responder/First responder	Chest Pain / Cardiac Arrest / Heart condition		282	no	no
Medical Incident - Co-responder/First responder	Unconscious, fitting or unresponsive		283	no	no
Medical Incident - Co-responder/First responder	Choking		284	no	no
Medical Incident - Co-responder/First responder	Collapse		285	no	no
Medical Incident - Co-responder/First responder	Shock / Anaphylactic shock		286	no	no
Medical Incident - Co-responder/First responder	Other		287	no	no

LEVEL 1 - Type of action	LEVEL 2 - Sub type	LEVEL 3 - Category	ID	IsRTC	IsHazMat
Evacuation (no fire)	Gas Leak		290	no	yes
Evacuation (no fire)	Unexploded bomb (not terrorist)		291	no	yes
Evacuation (no fire)	Terrorist threat		292	no	yes
Evacuation (no fire)	Explosion (no fire)		293	no	yes
Evacuation (no fire)	Acetylene cylinders		294	no	yes
Evacuation (no fire)	Other reasons		295	no	yes
Water provision	Filling pool		300	no	no
Water provision	Other		301	no	no
Assist other agencies	Civil Disturbance		310	no	no
Assist other agencies	Other assistance to police/ambulance		311	no	no
Assist other agencies	Assistance to other agencies		312	no	no
Advice Only	Fire safety advice		320	no	no
Advice Only	Other advice		321	no	no
Stand By	At known fire		332	no	no
Stand By	Aircraft landing		330	no	no
Stand By	Other stand by		331	no	no
No action (not false alarm)	Service not required		340	no	no

6.4 False Alarm Reason Types

LEVEL 1	LEVEL 2 - Type:	LEVEL 3 - Alarm activated by (sub type):	LEVEL 4 - Alarm activated by (category):	ID
Malicious False Alarm	By phone	-		10
Malicious False Alarm	By phone, Call NOT challenged			11
Malicious False Alarm	Special Service - Not Required			12
Fire alarm due to Apparatus	Human	Accidentally/carelessly set off		20
Fire alarm due to Apparatus	Human	Testing		21
Fire alarm due to Apparatus	Human	Smoking		22
Fire alarm due to Apparatus	Human	Cooking/burnt toast		23
Fire alarm due to Apparatus	System: smoke alarm	Poor maintenance		30
Fire alarm due to Apparatus	System: smoke alarm	Faulty		31
Fire alarm due to Apparatus	System: smoke alarm	Damaged		32
Fire alarm due to Apparatus	System: smoke alarm	Incorrect positioning		33
Fire alarm due to Apparatus	System: smoke alarm	Unsuitable equipment		34
Fire alarm due to Apparatus	System: sprinkler	Poor maintenance		40
Fire alarm due to Apparatus	System: sprinkler	Faulty		41
Fire alarm due to Apparatus	System: sprinkler	Damaged		42
Fire alarm due to Apparatus	System: sprinkler	Incorrect positioning		43
Fire alarm due to Apparatus	System: sprinkler	Unsuitable equipment		44
Fire alarm due to Apparatus	System: heat	Poor maintenance		50
Fire alarm due to Apparatus	System: heat	Faulty		51
Fire alarm due to Apparatus	System: heat	Damaged		52
Fire alarm due to Apparatus	System: heat	Incorrect positioning		53
Fire alarm due to Apparatus	System: heat	Unsuitable equipment		54
Fire alarm due to Apparatus	System: flame	Poor maintenance		60
Fire alarm due to Apparatus	System: flame	Faulty		61
Fire alarm due to Apparatus	System: flame	Damaged		62
Fire alarm due to Apparatus	System: flame	Incorrect positioning		63
Fire alarm due to Apparatus	System: flame	Unsuitable equipment		64
Fire alarm due to Apparatus	System: other	Poor maintenance		70
Fire alarm due to Apparatus	System: other	Faulty		71
Fire alarm due to Apparatus	System: other	Damaged		72
Fire alarm due to Apparatus	System: other	Incorrect positioning		73
Fire alarm due to Apparatus	System: other	Unsuitable equipment		74
Fire alarm due to Apparatus	Contaminants	Thrips		80
Fire alarm due to Apparatus	Contaminants	Steam		81
Fire alarm due to Apparatus	Contaminants	Chemicals/aerosols		82

LEVEL 1	LEVEL 2 - Type:	LEVEL 3 - Alarm activated by (sub type):	LEVEL 4 - Alarm activated by (category):	ID
Fire alarm due to Apparatus	Contaminants	Dust		83
Fire alarm due to Apparatus	Contaminants	Smoke Cloak		84
Fire alarm due to Apparatus	External factors	Power surge		90
Fire alarm due to Apparatus	External factors	Storm		91
Fire alarm due to Apparatus	External factors	water supplies -sprinklers only		92
Fire alarm due to Apparatus	Unknown			100
Good Intent false alarm	Fire	Smell of burning	Overheating light/fitting	110
Good Intent false alarm	Fire	Smell of burning	Overheating appliance	111
Good Intent false alarm	Fire	Smell of burning	Fire elsewhere (not at location)	112
Good Intent false alarm	Fire	Burnt toast/food	Toaster/toast	120
Good Intent false alarm	Fire	Burnt toast/food	Other cooking	121
Good Intent false alarm	Fire	Smoke/condensation	Controlled burning	130
Good Intent false alarm	Fire	Smoke/condensation	Air conditioning	131
Good Intent false alarm	Fire	Smoke/condensation	Steam	132
Good Intent false alarm	Fire	Smoke/condensation	Smoking chimney	133
Good Intent false alarm	Fire	Reflected light/sun-light		140
Good Intent false alarm	Fire	Other		141
Good Intent false alarm	Special Service - Not Required			150

7. BVPI and NI Calculations within the IRS

The IRS will be able to provide the data to support calculation of the all of the current BVPI's which relate to incidents which are attended. The table below details the current BVPI's which relate to Fire and Rescue Services and identifies whether and how they can be calculated from the IRS data.

Note: It is assumed that all calculations below restrict to Incidents with an IncidentStatus >= '70' Published.

BVPI	Description	Can the IRS calculate?	How will the BVPI be calculated?
142ii	Number of primary fires per 10,000 population	YES	Number of primary fire incidents (IncidentCategory = 'Fire' and IsPrimaryFire = 'yes')
142iii	Number of accidental fires in dwellings per 10,000 dwellings	YES	Number of primary fires (IncidentCategory = 'Fire' and IsPrimaryFire = 'yes') where Property Type(Q3.2) Category = 'Dwelling' and Cause/Motive (Q5.15) = 'Accidental' or 'Not Known' [Codes 0,1]
143i	Number of deaths from accidental fires in dwellings per 100,000 population	YES	Number of fatalities (Q9.6='Fatality') with Q9.21– Was the death/injury fire related? = 'Yes' or 'Don't know' in primary fires (IncidentCategory = 'Fire' and IsPrimaryFire = 'yes') where Property Type(Q3.2) Category = 'Dwelling' and Cause/Motive (Q5.15) = 'Accidental' or 'Not Known' [Codes 0,1]
143ii	Number of injuries (excluding precautionary checks and first aid) arising from accidental fires in dwelling per 100,000 population	YES	Number of injuries (Q9.6='Injury' AND Q9.24 Severity= '1' or '2' with Q9.21– Was the death/injury fire related? = 'Yes' or 'Don't know') in primary fires (IncidentCategory = 'Fire' and IsPrimaryFire = 'yes') where Property Type(Q3.2) Category = 'Dwelling' and Cause/Motive (Q5.15) = 'Accidental' or 'Not Known' [Codes 0,1]
144	The percentage of accidental fires in dwellings confined to room of origin	YES	[Number of primary fires (IncidentCategory = 'Fire' and IsPrimaryFire = 'yes') where Property Type(Q3.2) Category = 'Dwelling' and Cause/Motive (Q5.15) = ('Accidental' or 'Not Known' [Codes 0,1]) and ((Q8.22 = 'Limited to item 1st Ignited' OR = 'Limited to room of origin' OR = 'Roof space only' OR = 'External roof only' OR = 'Not applicable' [1, 2, 30, 63, 98]) OR IsHeatSmokeDamageOnly?(Q8.19)= 'Yes')] / [Number of primary fires (IncidentCategory = 'Fire' and IsPrimaryFire = 'yes') where Property Type(Q3.2) Category = 'Dwelling' and Cause/Motive (Q5.15) = ('Accidental' or 'Not Known' [Codes 0,1])]
146i	Number of malicious false alarms NOT attended per 1,000 population	NO	IRS only collects ATTENDED incidents Information is collected on annual OP1 collection.

BVPI	Description	Can the IRS calculate?	How will the BVPI be calculated?
146ii	Number of malicious false alarms attended per 1,000 population	YES	Number of False Alarms (IncidentCategory = 'FalseAlarm') where False Alarm Reason (Q3.4) = 'Malicious' [Codes 10 - 19]
149i	False alarms caused by automatic fire detection per 1,000 non-domestic properties	YES	Number of False Alarms (IncidentCategory = 'FalseAlarm') where False Alarm Reason (Q3.4) = 'Due to apparatus' [Codes 20 - 109] AND Property Type(Q3.2) Category = (OtherResidential OR NonResidential) AND (PropertyType (Q3.2) IS NOT [Codes 271 – 275 OR 336]) <i>Note: BVPI states to exclude HMOs - in IRS these are categorised under dwellings so are automatically excluded.</i> <i>Note: The Codes above exclude 'Private Garden Sheds', 'Other unspecified buildings', etc.</i>
149ii	Number of properties in 149i with more than one attendance	YES	By analysis of data at year-end.
149iii	The % of false alarm calls which are to a non-domestic property with more than 1 attendance	YES	By analysis of data at year-end.
150	Expenditure per head of population	N/A	Collected in Local Government Finance return
206i	Number of deliberate primary fires (excluding deliberate primary fires in vehicles) per 10,000 population	YES	Number of primary fires (IncidentCategory = 'Fire') where IsPrimaryFire Flag = 'Yes' AND Property Type(Q3.2) Category IS NOT 'RoadVehicle' AND Cause/Motive (Q5.15) = 'Deliberate' [Codes 2,3,4]
206ii	Number of deliberate primary fires in vehicles per 10,000 population	YES	Number of primary fires (IncidentCategory = 'Fire') where IsPrimaryFire Flag = 'Yes' AND Property Type(Q3.2) Category = 'RoadVehicle' AND Cause/Motive (Q5.15) = 'Deliberate' [Codes 2,3,4]
206iii	Number of deliberate secondary fires (excluding deliberate secondary fires in vehicles) per 10,000 population	YES	Number of fires (IncidentCategory = 'Fire') where NOT (IsPrimaryFire Flag = 'Yes' OR IsChimneyFire Flag = 'Yes') AND Property Type(Q3.2) Category IS NOT 'RoadVehicle' AND Cause/Motive (Q5.15) = 'Deliberate' [Codes 2,3,4]
206iv	Number of deliberate secondary fires in vehicles per 10,000 population	YES	Number of fires (IncidentCategory = 'Fire') where NOT (IsPrimaryFire Flag = 'Yes' OR IsChimneyFire Flag = 'Yes') AND Property Type(Q3.2) Category = 'RoadVehicle' AND Cause/Motive (Q5.15) = 'Deliberate' [Codes 2,3,4]
207	Number of fires in non-domestic premises per 1,000 non-domestic premises	YES	Number of primary fires (IncidentCategory = 'Fire' and IsPrimaryFire = 'Yes') where IsPropertyRegulated (RRO) Flag = 'Yes' AND Property Type(Q3.2) Category = ('OtherResidential' OR 'NonResidential') AND (PropertyType (Q3.2) IS NOT [Codes 271 – 275

BVPI	Description	Can the IRS calculate?	How will the BVPI be calculated?
			OR 336]) AND (IsDerelict = 'no') <i>Note: BVPI states to exclude HMOs - in IRS these are categorised under dwellings so are automatically excluded.</i> <i>Note: The Codes above exclude 'Private Garden Sheds', 'Other unspecified buildings', etc.</i>
208	The percentage of people in accidental dwelling fires who escape unharmed without FRA assistance at the fire.	YES	$\frac{\text{(Total of Q9.1 + Q9.6='Injury' AND Q9.24 Severity= '4') with Q9.21- Was the death/injury fire related? = 'Yes' or 'Don't know')}}{\text{(Total of Q9.2 + Total of Fatalities (Q9.6='Fatality' with Q9.21- Was the death/injury fire related? = 'Yes' or 'Don't know'), + Casualties (Q9.6='Injury' AND Q9.21- Was the death/injury fire related? = 'Yes' or 'Don't know') and + Rescues (Q9.6='Rescue') + Total of Q9.1)}}$ for primary fires (IncidentCategory = 'Fire' AND IsPrimaryFire Flag = 'Yes') where Property Type(Q3.2) Category = 'Dwelling' and Cause/Motive (Q5.15) = 'Accidental' or 'Not Known' [Codes 0,1]
209i	The percentage of fires attended in dwellings where a smoke alarm had activated	YES	% of fires (IncidentCategory = 'Fire' AND IsPrimaryFire = 'Yes') where 'AlarmSystemsPresent/System/Operated(*)' (Q5.11) = 'Yes, but did not raise alarm' OR 'Yes and raised alarm' [At least one code = 2 or 3] for fires where Property Type(Q3.2) category = 'Dwelling' <i>Note: the (*) symbol above indicates that an incident can have more than one alarm system recorded, and so it is picking up the highest value of the multiple occurrences.</i>
209ii	The percentage of fires attended in dwellings where a smoke alarm was fitted but did not activate	YES	% of fires (IncidentCategory = 'Fire' AND IsPrimaryFire = 'Yes') where 'AlarmSystemsPresent/System/Operated(*)' (Q5.11) = 'No' [All codes excluding 2 and 3] for fires where Property Type(Q3.2) category = 'Dwelling' <i>Note: the (*) symbol above indicates that an incident can have more than one alarm system recorded, and so it is picking up incidents that are</i>

BPVI	Description	Can the IRS calculate?	How will the BPVI be calculated?
			<i>not picked up in BPVI 209i above.</i>
209iii	The percentage of fires attended in dwellings in which no smoke alarm was fitted.	YES	% of fires (IncidentCategory = 'Fire' AND IsPrimaryFire = 'Yes') where 'Was there an alarm system present' (Q5.8) = 'No' OR 'Don't know' for fires where Property Type(Q3.2) category = 'Dwelling'
210	The percentage of women fire fighters	N/A	Collected in annual HR return.

The IRS will be able to provide the data to support calculation of the all of the National Indicators (NI's) which relate to incidents which are attended. The table below, details the current NI's which relate to Fire and Rescue Services and identifies whether and how they can be calculated from the IRS data.

National Indicator	Description	Can the IRS calculate?	How will the BPVI be calculated?
NI 33 (a)	Number of deliberate primary fires/population x 10,000	YES	Number of primary fires (IncidentCategory = 'Fire') where IsPrimaryFire Flag = 'Yes' AND Cause/Motive (Q5.15) = 'Deliberate' [Codes 2,3,4]
NI 33 (b)	Number of deliberate secondary fires/population x 10,000	YES	Number of fires (IncidentCategory = 'Fire') where NOT(IsPrimaryFire Flag = 'Yes' OR IsChimneyFire Flag = 'Yes') AND Cause/Motive (Q5.15) = 'Deliberate' [Codes 2,3,4]
NI 49 (1)	Total number of primary fires per 100,000 population	YES	Number of primary fires (IncidentCategory = 'Fire') where IsPrimaryFire flag = 'Yes'
NI 49 (2)	Total number of fatalities due to primary fires per 100,000 population	YES	Number of fatalities (Q9.6='Fatality') with Q9.21– Was the death/injury fire related? = 'Yes' or 'Don't know' in primary fires (IncidentCategory = 'Fire') where (IsPrimaryFire flag = 'Yes')
NI 49 (3)	Total number of non-fatal casualties (excluding precautionary checks) per 100,000 population	YES	Number of injuries (Q9.6='Injury' AND Q9.24 Severity= '1' or '2') with Q9.21– Was the death/injury fire related? = 'Yes' or 'Don't know' in primary fires (IncidentCategory = 'Fire') where (IsPrimaryFire flag = 'Yes')

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