



THE INSTITUTION OF FIRE ENGINEERS  
FOUNDED 1918 • INCORPORATED 1924

## IFE Qualifications and Relationships to UK National Occupational Standards

### Introduction

The IFE recognises the value of National Occupational Standards (NOS) in setting performance standards for the workplace. National Occupational Standards are not themselves qualifications. However, they do set out the knowledge, understanding and skills required for individuals to be competent in specific job roles and/or specific activities. As a result, the IFE is committed to using National Occupational Standards as a reference point when reviewing and developing qualifications.

The IFE's qualifications focus on knowledge and understanding and this is reflected in the mode of assessment. Each qualification unit is assessed via an examination. This means that the links to the NOS are usually primarily in relation to the Underpinning Knowledge and Understanding identified in the NOS. NOS focus on specific activities whereas the IFE's examinations require candidates to draw on a wide range of knowledge and to demonstrate ability to draw relevant strands together in reviewing evaluating situations. This means that most IFE qualification units can be mapped to several different units of NOS.

In addition, as the IFE qualification units aim to provide comprehensive cover of critical knowledge and understanding (as opposed to targeting on specific functions). This enables the IFE to include critical technical understanding that is not covered in the NOS – for example, the Fire Engineering Science units capture the scientific principles which underpin diverse aspects of fire and rescue activities.

### Level 2 Certificate in Fire Science, Operations and Safety

The level 2 Certificate is a single-unit qualification covering knowledge and understanding relating to fire science, fire operations and fire safety. Studying for this qualification provides the opportunity for candidates to develop knowledge and understanding which contributes to the underpinning knowledge and understanding in the following National Occupational Standards:

NOS	NOS Suite
SFJFF3 - Save and preserve endangered life	Emergency Operations in the Community
SFJFF4 - Resolve fire and rescue operational incidents	
SfJFF5 - Protect the environment from the effects of hazardous materials	
SFJ FS2 – Assess risks associated with fire	Fire Safety
SFJ FS6 – Review fire safety matters relating to existing or proposed construction	
SFJ FS7 – Review matters relating to fire protection systems	
SFJ CFF01 -Respond to Operational incidents requiring breathing apparatus	Core Fire and Rescue
SFJ CFF03 – Operate fire service water pumps	

### Level 3 Certificate in Fire Science, Operations and Fire Safety and Management

The level 3 Certificate is a four-unit qualification covering knowledge and understanding relating to fire science, fire operations, fire safety and management.

Studying for the units within this qualification provides the opportunity for candidates to develop knowledge and understanding which contributes to the underpinning knowledge and understanding in the following National Occupational Standards:

#### Unit 1: Fire Engineering Science

There are currently no National Occupational Standards in place that have been developed specifically to reflect fire engineering science knowledge and understanding. The content of the IFE unit covers the critical technical knowledge and understanding needed by those in Crew Manager or equivalent roles within the fire and rescue service, fire safety and the associated professional roles.

#### Unit 2: Fire Operations

<b>NOS</b>	<b>NOS Suite</b>
SFJFF3 - Save and preserve endangered life	Emergency Operations in the Community
SFJFF4 - Resolve fire and rescue operational incidents	
SfJFF5 - Protect the environment from the effects of hazardous materials	
SFJ CFF01 - Respond to Operational incidents requiring breathing apparatus	Core Fire and Rescue
SFJ CFF03 – Operate fire service water pumps	

#### Unit 3: Fire Safety

<b>NOS</b>	<b>NOS Suite</b>
SFJ FS2 – Assess risks associated with fire	Fire Safety
SFJ FS6 – Review fire safety matters relating to existing or proposed construction	
SFJ FS7 – Review matters relating to fire protection systems	

#### Unit 4: Management and Administration

<b>NOS</b>	<b>NOS Suite</b>
SFJ FRS WM1 - Lead the Work of Teams and Individuals to Achieve their Objectives	Emergency Fire Services Watch Management
SFJ FRS WM5 - Contribute to the development of teams and individuals	
SFJ FF2 - Take responsibility for effective performance in fire and rescue	

### Level 3 Diploma in Fire Science and Fire Safety

The level 3 Diploma is a four-unit qualification. Candidates are required to complete the two mandatory units, Fire Science and Fire Safety, along with two optional units.

Studying for the units within this qualification provides the opportunity for candidates to develop knowledge and understanding which contributes to the underpinning knowledge and understanding in the following National Occupational Standards:

#### Unit 1: Fire Engineering Science

There are currently no National Occupational Standards in place that have been developed specifically to reflect fire engineering science. The content of the IFE unit covers the critical technical knowledge and understanding needed by those in Watch Manager or equivalent roles within the fire and rescue service, fire safety or other fire professional roles.

#### Unit 2: Fire Safety

<b>NOS</b>	<b>NOS Suite</b>
SFJ FS1 Identify and report hazards and risks associated with fire	Fire Safety
SFJ FS2 – Assess risks associated with fire	
SFJ FS6 – Review fire safety matters relating to existing or proposed construction	
SFJ FS7 – Review matters relating to fire protection systems	

#### Unit 3: Fire Service Operations and Incident Command - International

<b>NOS</b>	<b>NOS Suite</b>
SFJ WM7 – Lead and support people to resolve operational incidents	Incident Management and Command
SFJFF3 - Save and preserve endangered life	Emergency Operations in the Community
SFJFF4 - Resolve fire and rescue operational incidents	
SfJFF5 - Protect the environment from the effects of hazardous materials	
SfJFF6 - Support the effectiveness of operational response	

#### Unit 4: Aviation Fire Studies

<b>NOS</b>	<b>NOS Suite</b>
SFJ WM7 – Lead and support people to resolve operational incidents	Incident Management and Command
SFJFF3 - Save and preserve endangered life	Emergency Operations in the Community
SFJFF4 - Resolve fire and rescue operational incidents	
SfJFF5 - Protect the environment from the effects of hazardous materials	
SfJFF6 - Support the effectiveness of operational response	
PPLAOG61 Respond to fire and rescue incidents at an airport	Aviation Operations on the Ground

## Unit 5: Leadership and Management in Fire and Rescue

<b>NOS Unit</b>	<b>NOS Suite</b>
SFJ FRS WM1 - Lead the Work of Teams and Individuals to Achieve their Objectives	Emergency Fire Services Watch Management
SFJ FRS WM2 - Maintain Activities to meet requirements	
SFJ FRS WM3 - Manage information for action	
SFJ FRS WM5 - Contribute to the development of teams and individuals	
SFJ FRS WM6 - Investigate and report on events to inform future practice	
SFJ FF2 - Take responsibility for effective performance in fire and rescue	

## Unit 6: Fire Service Operations and Incident Command - UK

<b>NOS</b>	<b>NOS Suite</b>
Skills for Justice Fire and Rescue NOS WM7	Incident Management and Command
SFJFF3 - Save and preserve endangered life	Emergency Operations in the Community
SFJFF4 - Resolve fire and rescue operational incidents	
SfJFF5 - Protect the environment from the effects of hazardous materials	
SfJFF6 - Support the effectiveness of operational response	

### **Level 4 Certificate in Fire Science and Fire Safety**

The level 4 Certificate is a four-unit qualification. Candidates are required to complete the two mandatory units, Fire Science and Fire Safety, along with two optional units.

Studying for the units within this qualification provides the opportunity for candidates to develop knowledge and understanding which contributes to the underpinning knowledge and understanding in the following National Occupational Standards:

#### Unit 1: Fire Engineering Science

There are currently no National Occupational Standards in place that have been developed specifically to reflect fire engineering science knowledge and understanding. The content of the IFE unit provides critical underpinning technical knowledge and understanding for those in Station Manager or equivalent roles within the fire and rescue service, the fire industry or other fire professional roles.

#### Unit 2 – Fire Safety

<b>NOS</b>	<b>NOS Suite</b>
SFJ FS2 – Assess risks associated with fire	Fire Safety
SFJ FS7 – Review matters relating to fire protection systems	
SFJFS6 – Review fire safety matters relating to existing or proposed construction	
SFJFS8 – Review fire safety matters relating to premises under construction, demolition and alteration	
SFJFS9 – Work in partnership to minimise risks to the community	

Unit 3: Fire Service Operations and Incident Command

<b>NOS</b>	<b>NOS Suite</b>
SFJEFSM2 - Lead, monitor and support people to resolve operational incidents	Incident Management and Command
SFJFF3 - Save and preserve endangered life	
SFJFF4 - Resolve fire and rescue operational incidents	
SfJFF5 - Protect the environment from the effects of hazardous materials	
SfJFF6 - Support the effectiveness of operational response	Emergency Operations in the Community

Unit 4: Aviation Fire Operations

<b>NOS</b>	<b>NOS Suite</b>
PPLAOG61 Respond to fire and rescue incidents at an airport	Aviation Operations on the Ground
SFJEFSM2 - Lead, monitor and support people to resolve operational incidents	Incident Management and Command
SfJFF5 - Protect the environment from the effects of hazardous materials	
SfJFF6 - Support the effectiveness of operational response	

Unit 5: Leadership and Management in Fire and Rescue

<b>NOS Unit</b>	<b>NOS Suite</b>
CFAM&LFA2 Implement operational plans	Leadership and Management 2012
CFAM&LBA9 Develop operational plans	
CFAM&LEA4 Manage budgets	
CFAM&LDD2 Develop and sustain productive working relationships with stakeholders	
CFAM&LBB1 Manage risks to your organisation	
SFJ EFSM15 Develop teams and individuals to enhance work based performance	Emergency Fire Service Management 2013
SFJ EFSM14 Manage the performance of teams and individuals to achieve objectives	
SFJ EFSM16 Manage yourself to achieve work objectives	
SFJ EFSM13 Select personnel for employment	
SFJ EFSM12 Manage the effective use of resources	
SFJ EFSM10 Plan and implement activities to meet service delivery needs	

Unit 6: Fire Investigation

<b>NOS</b>	<b>NOS Suite</b>
Fi1 Prepare to investigate an incident involving fire and/or explosion	Fire Investigation
Fi2. Investigate an incident involving fire and/or explosion	
Fi3. Report on the investigation of an incident involving fire and/or explosion	

Unit 7: Civil Emergency and Disaster Management

<b>NOS</b>	<b>NOS Suite</b>
SFJEFSM2 – Lead, monitor and support people to resolve operational issues	Incident Management and Command
SFJCCAG2 - Respond to emergencies at the tactical (silver) level	Civil Contingencies
SFJCCAG4 - Address the needs of individuals during the initial response to emergencies	
SFJCCAA1 - Work in co-operation with other organisations	
SFJCCAC1 - Develop, maintain and evaluate emergency plans and arrangements	
SFJCCAE1 - Create exercises to practice or validate emergency or business continuity arrangements	