



THE INSTITUTION OF FIRE ENGINEERS
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Examination Reading List: December 2011

The IFE Examination Reading List has been partially revised for the examinations taking place in March 2012. The identification and provision of resources is an on-going process and there will be further additions to this list during the remainder of 2011 with the final revision in January 2012. Please consult this list from time to time to discover the most recent updates.

Candidates should be aware that this reading list is advisory rather than definitive and they will need to consider the items it contains selectively. The Institution does not recommend candidates to buy every resource listed for each exam they take and it should not be inferred that other resources are unsuitable because they are omitted from the reading list.

Those books with a **yellow background** can be supplied directly by the IFE. To order direct, please follow this hyperlink:- http://www.ife.org.uk/shop/category_view . (Please select the appropriate publisher from the menu on the left of the page.)

Those books with a **green background** can be ordered specially, in which case please contact Jo Fearnley for prices and delivery times at borders@ife.org.uk

Those books in white can be obtained on the internet, from bookshops and lending or reference libraries. The IFE and FPA publish jointly the *Fire Risk Management* journal on a monthly basis. The articles it contains are valuable resources, and candidates will need to categorise these articles for themselves by syllabus and by subject.

			APPROPRIATE LEVEL OF BOOKS.			
Book title	Publisher	Author	L 2 Cert. (Prelim)	L 3 Cert (Inter)	L 3 Dip (Grad)	L 4 Cert (Member)
<i>Fire Engineering Science</i>						
Fire Technology: Chemistry and Combustion 3 rd Edition. (IFE 06)	IFE	Wharry & Hirst.			✓	✓

The Chemistry of Combustion.	Bibliolife	J. Newton Friend			✓	✓
Fire Service Manuals Vol 1 Fire Service Technology, Equipment & Media: Physics and Chemistry for Firefighters. (IFE 33)	TSO	HM Fire Service Inspectorate			✓	✓
Fire Service Manuals Vol 1 Fire Service Technology, Equipment and Media: Hydraulics, Pumps and Water Supplies. (IFE 36)	TSO	HM Fire Service Inspectorate				
Introduction to Fire Dynamics	Wiley and Sons	Drysdale			✓	✓
Sax's Handbook of Dangerous Substances. (Regularly updated: very costly; use reference copies rather than purchase.)		N Sax & R Lewis			✓	✓
Croner's Dangerous Substances. (Regularly updated: very costly; use reference copies rather than purchase.)		Wolters Kluwer			✓	✓
Fundamentals of Physics	Wiley & Sons	Halliday et al			✓	✓
Fire Service Manual Volume 2 Fire Service Operations – Electricity	TSO	HM Fire Service Inspectorate			✓	✓
Fire Service Manual Volume 2 Fire Service Operations: Petrochemical Incidents. (IFE 44)	TSO	HM Fire Service Inspectorate			✓	✓
Fire Service Manual Volume 3 Fire Safety: Fire Protection of Buildings (IFE 47)	TSO	HM Fire Service Inspectorate			✓	✓
BS5908 Fire Precautions in Chemical Plants	BSI				✓	✓

			<u>L 2 Cert (Prelim)</u>	<u>L 3 Cert (Inter)</u>	<u>L 3 Dip (Grad)</u>	<u>L 4 Cert (Member)</u>
<i>Leadership & Management (L3 Dip Paper 6)</i>						
Handbook of Management and Leadership	Thorogood	John Adair			✓	

A Handbook of Human Resource Management Practice (11th Ed) : Particular reference to the following sections:- Organisational Behaviour. Performance Management. Human Resource Development. Involvement and Participation. Communication.	Kogan Page	Michael Armstrong			✓	
Fire and Rescue Service National Strategy 2008-11 http://www.communities.gov.uk/documents/fire/pdf/nationalframework200811.pdf	DCLG				✓	
Fire and Rescue Service Equality and Diversity Strategy 2008-18 http://www.lga.gov.uk/lga/aio/225872	DCLG				✓	
Fire and Rescue Service Partnership Working Toolkit for LAAs www.communities.gov.uk/documents/fire/doc/701412.doc	DCLG				✓	
Delivering Safer Communities: A Guide to Effective Partnership Working http://www.crimereduction.homeoffice.gov.uk/partnerships/partnerships001.htm	DCLG				✓	
Management Theory and Practice (6th Edition)	Thomson Learning	G A Cole			✓	
“Leadership and Management” http://www.ife.org.uk/exams/syllabusreadingliststudy/2010_Leadership_and_Management_Resource_for_L3_Dip_Papers_4_%26_6..pdf (Link temporarily disabled)	IFE website (Free download)	Glenys Southworth			✓	
HSG 65 Successful Health and Safety Management http://www.hse.gov.uk/pubns/priced/hsg65.pdf	HSE website (Free download)				✓	
“Open Minded”. (Article about debriefing published in the Fire Risk Management Journal Dec 2010/Jan 2011.).	IFE and FPA.	David Dowling			✓	

Continuing Professional Development. http://www.ife.org.uk/docs/cpddocs/13-2_CPD_Guide_v1.pdf	IFE website (Free download)				✓	
Introduction to Total Quality Management (IFE 09)	IFE	Glenys Southworth			✓	
Equal Opportunities (IFE 08) Free if ordered with IFE 09 above.	IFE	Margaret Penton			✓	

<u>Human Resource Management (L3 Dip Paper 4 and L4 Cert Paper 5)</u>			<u>L 2 Cert (Prelim)</u>	<u>L 3 Cert (Inter)</u>	<u>L 3 Dip (Grad)</u>	<u>L 4 Cert (Member)</u>
Handbook of Management and Leadership	Thorogood	John Adair			✓	
Continuing Professional Development http://www.ife.org.uk/docs/cpddocs/13-2_CPD_Guide_v1.pdf	IFE website (Free download)				✓	✓
Management Theory & Practice [6th ed]	Thomson Learning	G A Cole			✓	✓
A Handbook of Human Resource Management Practice (11th Ed). Particular reference to the following sections:- Organisational Behaviour. Performance Management. Human Resource Development. Involvement and Participation. Communication.	Kogan Page	M Armstrong			✓	✓

Introduction to Total Quality Management (IFE 09)	IFE	Glenys Southworth			✓	✓
Equal Opportunities (IFE 08) Free if ordered with IFE 09 above.	IFE	Margaret Penton			✓	✓
“Leadership and Management” http://www.ife.org.uk/exams/syllabusreadingliststudy/2010_Leadership_and_Management_Resource_for_L3_Dip_Papers_4_%26_6..pdf (Link temporarily disabled)	IFE Website (Free download)	Glenys Southworth			✓	✓
HSG 65 Successful Health and Safety Management http://www.hse.gov.uk/pubns/priced/hsg65.pdf	HSE website (Free download)				✓	✓

			<u>L 2 Cert (Prelim)</u>	<u>L 3 Cert (Inter)</u>	<u>L 3 Dip (Grad)</u>	<u>L 4 Cert (Member)</u>
<i>Aero Fire Studies</i>						
Heliport Manual Doc 9261 Part 1. 3rd Edition.		ICAO			✓	✓
Airports and Aircraft Fire Protection: Fire Fighting and Rescue Techniques (IFE04)	IFE	R W Docherty			✓	✓
Fire Service Manual vol 2: Aircraft	TSO				✓	✓
CAP 168 http://www.caa.co.uk/docs/33/cap168.pdf	CAA				✓	✓
Cap 699 http://www.caaerg.org.uk/docs/33/CAP699.PDF	CAA				✓	✓
CAP 748 http://www.caa.co.uk/docs/33/CAP748.pdf	CAA				✓	✓
Airport Services Manual –Doc 9137 Part 1 Rescue & Firefighting	International Civil Aviation Authority				✓	✓
Airport Services Manual-Doc 9137 Part 7 Airport Emergency Planning	International Civil Aviation Authority				✓	✓

NFPA 409 Aircraft Hangars	NFPA				✓	✓
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<u>Fire Investigation</u>			<u>L 2 Cert (Prelim)</u>	<u>L 3 Cert (Inter)</u>	<u>L 3 Dip (Grad)</u>	<u>L 4 Cert (Member)</u>
Kirks Fire Investigation 7 th Edition	Brady Fire	John D De Haan and David J Icove				✓
A Guide to Fire Investigation (IFE 02)	IFE	Patrick G Cox				✓
A Guide to Fatal Fire Investigations (IFE 01)	IFE	D Leitch				✓

<u>Operations</u>			<u>L 2 Cert (Prelim)</u>	<u>L 3 Cert (Inter)</u>	<u>L 3 Dip (Grad)</u>	<u>L 4 Cert (Member)</u>
Disasters and Emergencies: Managing the Response (IFE14)	IFE	Tucker			✓	✓
Incident Command 3 rd Edition (IFE 40)	TSO				✓	✓
Generic Risk Assessment 5.7 – Explosives (IFE 52)	TSO				✓	✓
Compartment Fire & Tactical Ventilation (IFE 38)	TSO				✓	✓
Electricity (IFE 39)	TSO				✓	✓
Aircraft Incidents (IFE 41)	TSO				✓	✓
Marine Incidents (IFE 42)	TSO				✓	✓
Firefighting Foam (IFE 43)	TSO				✓	✓
Petrochemical Incidents (IFE 44)	TSO				✓	✓

Acetylene Cylinder Incidents/Natural Gas Incidents (IFE 45)	TSO				✓	✓
Generic Risk Assessments: comprehensive range of topics; can be downloaded from the CLG website:- http://www.communities.gov.uk/fire/firerescueservice/operationalguidance/	CLG				✓	✓

<i>Fire Safety</i>			<u>L 2 Cert (Prelim)</u>	<u>L 3 Cert (Inter)</u>	<u>L 3 Dip (Grad)</u>	<u>L 4 Cert (Member)</u>
Fire Service Manual Volume 3: Fire Safety Engineering – Basic Principles of Building Constuction (IFE46)	TSO	FSM Volume 3			✓	✓
Fire Service Manual Volume 3: Fire Safety Engineering – A Basic guide for Fire Authority Enforcement		FSM Volume 3			✓	✓
Fire Service Manual Volume 3: Fire Safety – Fire Protection of Buildings (IFE47)		FSM Volume 3			✓	✓
Code of Practice for Fire Safety in the Design, Management and Use of Buildings		BS9999: 2008			✓	✓
Download: http://www.firesafe.org.uk/graphical-symbols-and-abbreviations-for-fire-protection-drawings-2/					✓	✓
Recommendations for graphic symbols and abbreviations for fire protection drawings		BS 1635:1990			✓	✓
Equipment for fire protection and fire fighting - Graphical symbols for fire protection plans - Specification		ISO 6790:1986			✓	✓

<p>Downloads from: http://www.communities.gov.uk/fire/firesafety/firesafetylaw/Fire Safety Risk Assessment: Offices and Shops Factories and Warehouses Sleeping Accommodation Residential Care Premises Educational Premises Small and Medium Places of Assembly Large Places of Assembly Theatres, Cinemas and Similar Premises Open Air Events and Venues Healthcare Premises Transport Premises and Facilities Animal Premises and Stables Means of Escape for Disabled People (Supplementary Guide) N.B: These guides are divided into two parts. Part 1 <i>Fire Risk Assessment</i> is the same in each guide, however Part 2 contains further guidance relevant to each of the premises.</p>						✓	✓
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<u>Civil Emergency and Disaster Management</u>			<u>L 2 Cert (Prelim)</u>	<u>L 3 Cert (Inter)</u>	<u>L 3 Dip (Grad)</u>	<u>L 4 Cert (Member)</u>
Disasters and Emergencies: Managing the Response (IFE14)	IFE	Tucker				✓
Sections 2, 4 & 5 of the London Emergency Services Liaison Panel Major Incident Procedures Manual. http://www.leslp.gov.uk/docs/Major_incident_procedure_manual_7th_ed.pdf						✓
Disaster Response and Contingency Planning Guide. http://www.ifrc.org/Docs/pubs/disasters/resources/preparing-disasters/disaster-response-en.pdf	Red Cross					✓
Principles of Emergency Management http://www.iaem.com/publications/documents/PrinciplesofEmergencyManagement.pdf						✓
Disaster Management http://www.col.org/SiteCollectionDocuments/Disaster_Management_version_1.0.pdf						✓

Level 2 Certificate (Formerly Preliminary) Examination

Elementary Fire Engineering Handbook (IFE 50).	IFE	G Allmond et al.	✓	✓		
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Level 3 Certificate (Formerly Intermediate) Examination

<p>Handbook for Fire Engineers (IFE 05) Please be aware that some references in this publication have been superseded by more recent legislation. An erratum notice has been produced and is available for download from the website at:- (Link to IFE 05 Erratum Notice) This notice will be included in all future copies of this publication. This book comes without a binder and should be placed inside an A4 ring binder.</p>	IFE	Edgerley & Robinson		✓		
Guide to the Principles of Fire Safety Engineering (IFE 49)	IFE			✓		
Elementary Fire Engineering Handbook (IFE 50).	IFE	G Allmond et al.	✓	✓		
<p>Management and Administration: http://www.ife.org.uk/docs/ypd_docs/L3_Cert_Management_and_Administration_Resource_Book.pdf</p>	IFE Website (Free download)	Glenys Southworth		✓		
<p>Introduction to Total Quality Management (IFE 09) (N.B. Equal Opportunities (IFE 08) by Margaret Penton FREE with IFE 09 above.)</p>	IFE	Glenys southworth		✓		
<p>Continuing Professional Development http://www.ife.org.uk/docs/cpddocs/13-2_CPD_Guide_v1.pdf</p>	IFE Website (Free download.)			✓		