



Technical Meeting on Fire Protection Approaches and Experiences in Nuclear Power Plants

**IAEA Headquarters
Vienna, Austria**

27–29 May 2015

Ref. No.: I2-TM-50054

Information Sheet

A. Introduction

The lessons learned from experience in the operation of nuclear power plants (NPPs) indicate that fires pose a real threat to nuclear safety and that their significance extends far beyond the scope of a conventional fire hazard. Fire safety is important throughout the lifetime of a plant, from design through construction, commissioning and plant operation to decommissioning. Considerable progress has been made over the past several decades in the design and regulatory requirements for fire safety, in fire protection technology and in related analytical techniques. Substantial efforts have been undertaken worldwide to implement these advances in the interest of improving fire safety in both new and operating NPPs.

Nevertheless, various fire-related incidents have been taking place in NPPs throughout the world and fire continues to be one of the most probable risks that may be faced in nuclear industrial installations.

B. Objectives

The meeting has the following objectives:

- To share experiences and lessons learned in relation to fire safety and protection approaches associated with the construction and operation of NPPs;
- To enable participants to understand how fire protection programmes are managed within Member States, and any advantages and disadvantages of the current arrangements;
- To identify what issues and challenges Member States may be encountering with respect to fire protection of NPPs; and
- To obtain feedback from Member States on a draft IAEA publication with fire protection guidelines which is being developed by the IAEA.

C. Expected Outputs

The following outputs will result from the meeting:

IAEA Nuclear Energy Series publication with fire protection guidelines

The new IAEA Nuclear Energy Series publication will provide information regarding good practices for fire protection management related to NPPs. In particular, it will cover:

- A typical fire protection programme;
- Technologies and design features used to protect NPPs from fires;
- Planned activities to minimize fire potential and impact;
- Post-fire safe shutdown analysis and probabilistic risk assessments; and
- Emergency programmes as they relate to fire.

This new guidelines publication is currently under development via a consultancy process. A draft copy will be provided to participants in the meeting approximately one month prior to the meeting. Participants will be asked to provide written feedback on the draft text prior to the meeting and to highlight significant comments as part of their presentations at the meeting.

D. Target Audience and Conditions of Participation

Participation is solicited from Member State representatives who are involved in fire safety assessment or fire protection functions associated with NPPs in operation or under construction. These might include individuals involved with the fire protection programme, fire hazard analysis, fire engineering, technical services, inspection, manual firefighting, and fire protection suppliers. Individuals with knowledge of fire safety assessment and seismic induced fires as they relate to fire protection programmes are also encouraged to attend.

One month prior to the meeting, participants will be expected to provide the IAEA Secretariat with:

- Written comments on the draft IAEA Nuclear Energy Series publication with fire protection guidelines. Comments should include any additions or corrections to the draft text. Of special interest are country-specific contributions regarding applicable operating or construction experience, as well as proposals for the draft Appendix section covering country-specific fire protection experience and good practices.

Participants at the meeting will be expected to:

- Give a summary presentation regarding current fire protection programmes, standards, and operating experience (including fire incidents and major improvements) and good practices related to NPPs within their country;
- Actively participate in the dialogue at the meeting; and
- Provide any other input useful to the IAEA's activities on this topic.

Participants should complete the attached Participation Form (Form A) and send it to the competent national authority (Ministry of Foreign Affairs or National Atomic Energy Authority) for transmission to the IAEA Secretariat via the established official channels to arrive no later than **11 March 2015**. The designation of a participant will be accepted only if forwarded by the Government of an IAEA Member State or by an organization invited to participate.

The IAEA reserves the right to limit participation due to limitations imposed by the available facilities.

E. Visas

Designated participants who require a visa to enter Austria should submit the necessary application to the nearest diplomatic or consular representative of Austria as soon as possible.

F. Expenditure

The costs of the meeting are to be borne by the IAEA. There is no registration fee. Travel and subsistence expenses of participants will not be borne by the IAEA. The IAEA has, however, limited funds at its disposal to help meet the cost of attendance of certain participants. Such assistance may be offered upon specific request to **up to two** participants per country provided that, in the IAEA's view, the participant(s) on whose behalf assistance is requested will make an important contribution to the meeting. The designation of individuals directly involved in relevant consultancy activities at the IAEA (i.e. in relation to the preparation of the new fire protection guidelines publication that will be covered at the meeting) is encouraged. The application for financial support should be made at the time of designating the participant(s), using the Grant Application Form (Form C).

G. Papers

No formal papers will be required for this meeting; however, the completion of the prerequisite submissions regarding the comments on the draft text of the new fire protection guidelines publication (see Section D above) is expected.

H. Working Language

The working language of the meeting will be English.

I. Local Arrangements

The meeting will be held at the IAEA's Headquarters in Vienna, Austria, and will start on Wednesday, 27 May 2015, at 9.30 a.m. and end at 3.00 p.m. on Friday, 29 May 2015.

The meeting agenda and local details, together with information on local arrangements, will be sent to designated participants once the completed Participation Forms have been received.

J. Organization

Official correspondence with regard to the technical aspects of the meeting should be addressed to the Scientific Secretary:

Mr Keeyoung KIM
Nuclear Power Engineering Section
Division of Nuclear Power
Department of Nuclear Energy
International Atomic Energy Agency
Vienna International Centre
PO Box 100
1400 VIENNA
AUSTRIA

Tel.: +43 1 2600 22819

Fax: +43 1 2600 29598

Email: Ke.Kim@iaea.org

Official correspondence with regard to administrative issues should be addressed to the Administrative Secretary:

Ms Tin Ling LOI

Nuclear Power Engineering Section
Division of Nuclear Power
Department of Nuclear Energy
Vienna International Centre
PO Box 100
1400 VIENNA
AUSTRIA

Tel.: +43 1 2600 22792

Fax: +43 1 29598

Email: T.Loi@iaea.org



Participation Form

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This form should be completed by the participant electronically if possible (i.e. not by hand) and then sent to the competent official authority (e.g. Ministry of Foreign Affairs, Permanent Mission to the IAEA or National Atomic Energy Authority) for subsequent transmission to the International Atomic Energy Agency (IAEA), Vienna International Centre, PO Box 100, 1400 Vienna, Austria, either electronically by email to: Official.Mail@iaea.org or by fax to: +43 1 26007 (no hard copies needed). (Kindly send also a copy per email to: Ke.Kim@iaea.org).

Deadline for receipt by IAEA through official channels: 11 March 2015

The Government (designating authority) of the above-mentioned event.		designates the person indicated below for	
<input type="checkbox"/> Female <input type="checkbox"/> Male		Date of birth:	
Family name (as in passport):		Place of birth:	
First name:		Nationality:	
Complete mailing address (office):		Passport No.:	
Institution name:		Date of issue:	
Street:		Place of issue:	
PO Box: Post code:		Valid until:	
Town/City:		Telephone (office):	
Region/District:		Telephone (home):	
Country:		Fax:	
Airport/town nearest to residence:		Email:	
Main academic/technical qualification:		Web page:	
Language ability: (The designating authority confirms that the participant is proficient in the language in which the event is to be held)		Emergency phone:	
<input type="checkbox"/> Yes <input type="checkbox"/> No			
Presentation of a paper:			
<input type="checkbox"/> Yes <input type="checkbox"/> No			
Title of the paper:			
An abstract of the paper is attached:			
<input type="checkbox"/> Yes <input type="checkbox"/> No			
Radiation surveillance			
Is the participant covered under a radiation surveillance programme?			
<input type="checkbox"/> Yes <input type="checkbox"/> No			
Financial support			
Please indicate if you are requesting financial support from the IAEA?			
<input type="checkbox"/> Yes <input type="checkbox"/> No			
Date		Name and title (printed) and signature of designating authority official	



Grant Application Form

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To be completed by the applicant and sent to the competent official authority (e.g. Ministry of Foreign Affairs, Permanent Mission to the IAEA, or National Atomic Energy Authority) of his/her country for subsequent transmission to the International Atomic Energy Agency (IAEA), Vienna International Centre, PO Box 100, 1400 Vienna, Austria, either electronically by email to: Official.Mail@iaea.org or by fax to: +43 1 26007 (no hard copies needed).

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Family name:	Given name(s):	Mr/Ms:
Mailing address:	Tel.:	
	Fax:	
	Email:	
Date of birth (yy/mm/dd):	Nationality:	

1. Education (post-secondary):

Name and place of institution	Field of study	Diploma or Degree	Years attended from	to

2. Recent employment record (starting with your present post):

Name and place of employer/ organization	Title of your position	Type of work	Years worked from	to

3. Description of work performed over the last three years:

4. Institute's/Member State's programme in field of meeting:

Date: _____ **Signature of applicant:** _____

Date: _____ **Name, signature and stamp of responsible Government official:** _____