

## Radiation Safety Awareness Training in UAE – Security & related

### Radiation Safety Awareness Training

**A one day radiation safety awareness training course created for security related and emergency services located in the United Arabs Emirates (UAE)**

Ionactive Consulting Limited (UK), working in association with RNA Safety International (UAE), is offering radiation safety courses aimed specifically for the needs of UAE. Ionactive is a successful and leading provider of radiation safety courses in the UK and beyond – supporting UK security industry and emergency services.

#### **Security & Emergency Services one day awareness course**

The course objective is to provide radiation safety awareness training for those working within security related industries and those involved in emergency response (i.e. Police Service, Fire & Rescue Service and Ambulance Service).

The course is designed to present radiation safety principles to those who have no previous experience of ionising radiation generators (e.g. x-ray systems) or radioactive sources. The course takes these issues from simple concepts through to discussing likely sources that the delegates may encounter as they go about their business.

The training course uses examples of ionising radiation sources existing within UAE, the UK and from around the rest of the world. The course will be particularly helpful to those involved in using such sources (e.g. operating x-ray equipment), those who respond to incidents (e.g. a stolen radioactive source, a fire involving ionising radiation), or perhaps those who have a management role where ionising radiation may be present.

***IAEA standards and UAE FANR-REG-24 ('Basic Safety Standards for Facilities and Activities involving ionising radiation other than in Nuclear Facilities') compliant.***

The course is delivered by Mark Ramsay, a Radiation Protection Adviser (RPA, Qualified Expert), certificated in the UK. Mark is RPA to major users of ionising radiation (security industry, emergency services, medical establishments etc).



**In association  
with RNA Safety  
International**

- **FANR Compatible**  
Reg-24  
IAEA  
UK Best Practice
- **Typical delegates**  
Police Service  
Fire & Rescue Service  
Ambulance Service  
Airports / Ports  
Customs  
Government Dept



#### **Contact Details**

Dr Amit Pamnani  
Managing Director

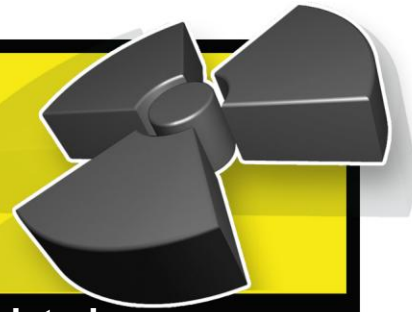
RNA Safety International  
M-05, Sana Building  
Al Karama  
PO Box 2168  
Dubai, UAE

D: +971 (0) 4 3709 670  
M: +971 (0) 555 536 457 / 8 / 9  
F: +971 (0) 4 3584 711

[amit@rnasafetyinternational.com](mailto:amit@rnasafetyinternational.com)

[www.rnasafetyinternational.com](http://www.rnasafetyinternational.com)

Skype: rnasafety



## Radiation Safety Awareness Training in UAE – Security & related

### 1 day radiation safety awareness course - content

The main course elements are shown in the table on the right. The course is run over one day and there is opportunity for group discussions and exercises. A detailed colour laser safety course handout is included which summaries key concepts.

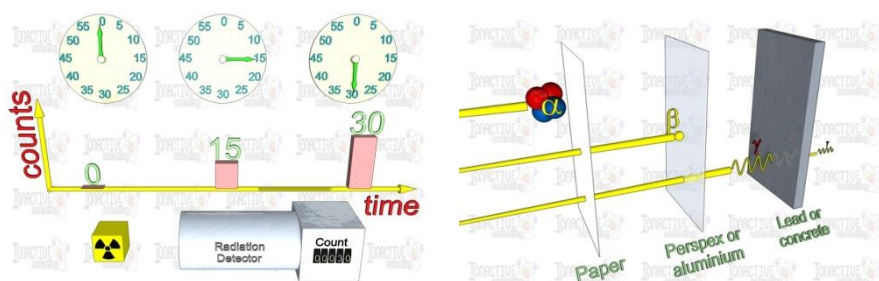
### No prior radiation safety knowledge is assumed

An aim is to ensure the delegate gains a very good understanding of the principles of radiation protection and safety. Radiation Protection Officer (RPO) training can be provided as a separate course if desired.



### Understanding the difference between natural & man-made radiation

The course uses a variety of training methods including lecture, group exercises and multi-media. Much of the training uses rich colour animations to explain key concepts.



### Understanding key concepts of radioactivity & protection principles

A short test is taken at the end of the day – successful completion is awarded by an awareness level certificate signed by the training tutor.

The certificate is issued from the UK and traceable to the RPA certificate issued by RPA 2000 (under the UK Health & Safety Executive). The validity of the certificate lasts 3 years.

[www.ionactive.co.uk](http://www.ionactive.co.uk)

### Introduction

- Nature of Ionising Radiation
- Background Radiation
- Typical radiation sources
- Where radiation is used
- Effects of radiation
- Regulations & standards
- Risk assessment
- Dose limits

### Working with radiation

- Practical radiation protection (time, distance & shielding)
- Measurement of radiation
- Local Rules / RPO
- Case studies
- Group exercise

### Contingency / Response

- Radiation incidents (examples)
- Possible incidents (UAE)
- Dealing with an incident
- Role of emergency services for an incident involving ionising radiation
- Emergency plans
- Role of the employee
- Course summary