

## Radiation Protection Officer Training in UAE – Security Industry

### Security Industry Applications

**Radiation Protection Officer (RPO) & Radiation Safety Awareness Training for Security Industry Applications located in the United Arab 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.

#### Security Industry Applications – Radiation Safety Course

The course objective is to provide radiation safety training to the standard of a **Radiation Protection Officer (RPO)**, for those working with x-ray security systems, radionuclide based trace analysis applications (i.e. explosive and narcotic detection) and similar. The course also provides radiation safety awareness training for those not required to qualify at the RPO level.

The course is especially useful for those working with x-ray screening equipment in airports, customs and other security sensitive areas. A range of equipment types are examined including high energy systems (linear accelerators), and narcotic and explosive testing systems (e.g. Ni-63 applications).

The course provides the necessary information for those involved in the design, manufacture, supply, installation, critical examination and maintenance for such systems. The course is also essential for users of such equipment (at the operator, supervisor, management and licensee level).

For those in the aviation industry the course deals with passenger and airside security / cargo screening and similar. Cosmic radiation issues can be included for flight & cabin crew.

***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 industry leading suppliers of security related screening equipment (for airports, ports customs etc.).



**In association  
with RNA Safety  
International**

- **FANR Compatible**  
Reg-24  
IAEA  
UK Best Practice
- **Security applications**  
Airports  
Ports  
Customs  
Hotels  
Government Buildings



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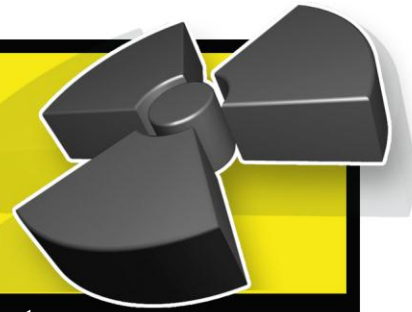
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### Security Industry – RPO & Safety Awareness

The main course elements are shown in the table on the right. The course is run over three days and there is ample opportunity for group discussions and exercises. A detailed colour laser safety course binder is included.

### No prior radiation safety knowledge is assumed

An aim is to ensure the delegate gains a very good understanding of security related ionising radiation sources – ensuring protection of employees and members of the public.



### Learning the nature of security related ionising radiation sources

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 protection from ionising radiation

The course is designed so that radiation safety awareness and RPO candidates can be taught together. A test is taken at the end of day 3 – successful completion is awarded by an awareness level, or RPO level certificate, depending on which sections of the test have been completed.

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)

### Day One

- Nature of Ionising Radiation
- Units & fundamentals
- Ionising radiation sources
- Background radiation
- Cosmic radiation (aviation)
- Security related sources
- Biological effect / Dose limits

### Day Two

- Practical radiation protection (time, distance & shielding)
- Security related accidents and incidents involving ionising radiation
- Radioactive source security (introduction to threat and protection principles)
- Radiation detection & measurement
- Table top exercises

### Day Three

- Regulation (FANR-REG-24)
- Radiation safety management
- Local rules / risk assessment
- Critical examinations
- Role of the RPO / employee
- Course summary
- Putting principles into practice in the workplace