



World Institute for  
Nuclear Security

**Regional workshop on ensuring the resilience and  
sustainability of radioactive source security  
13-14 February 2019**

**Building Competence**

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## What is radioactive source security?

A sustainable system that:

- **ensures** that radioactive sources are securely protected during their entire life cycle
- **can prevent, detect and respond** to nuclear security events involving radioactive material

What is  
radioactive source  
security?

What supports the  
sustainability of  
radioactive source  
security?

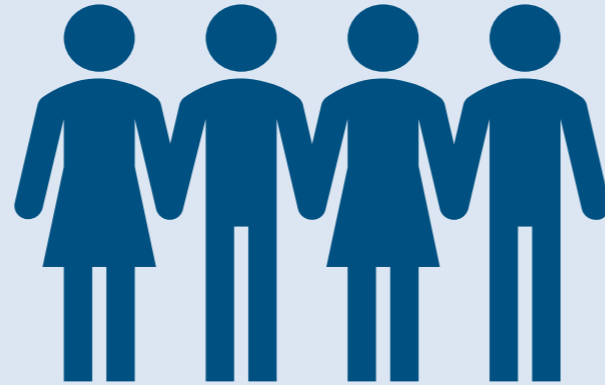
**IAEA Nuclear Security Series No 30-G** Sustaining a Nuclear Security Regime includes **8 national** and **7 operational objectives** to support sustainable nuclear security and we will focus on one at each level:

- Developing human resources (National)
- Developing and maintaining nuclear security competencies (Operational)

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What supports the sustainability of radioactive source security?

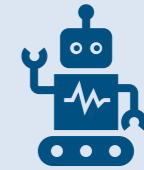
What do we mean by Competence?



Knowledge



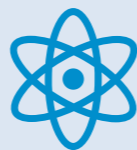
Skills



Experience



In which areas/disciplines is demonstration of competence desirable for radioactive source security?



Radiation protection



Security systems



Threat assessment



Human factors

What is radioactive source security?

What supports the sustainability of radioactive source security?

What do we mean by Competence?

Why is it important to define competencies?

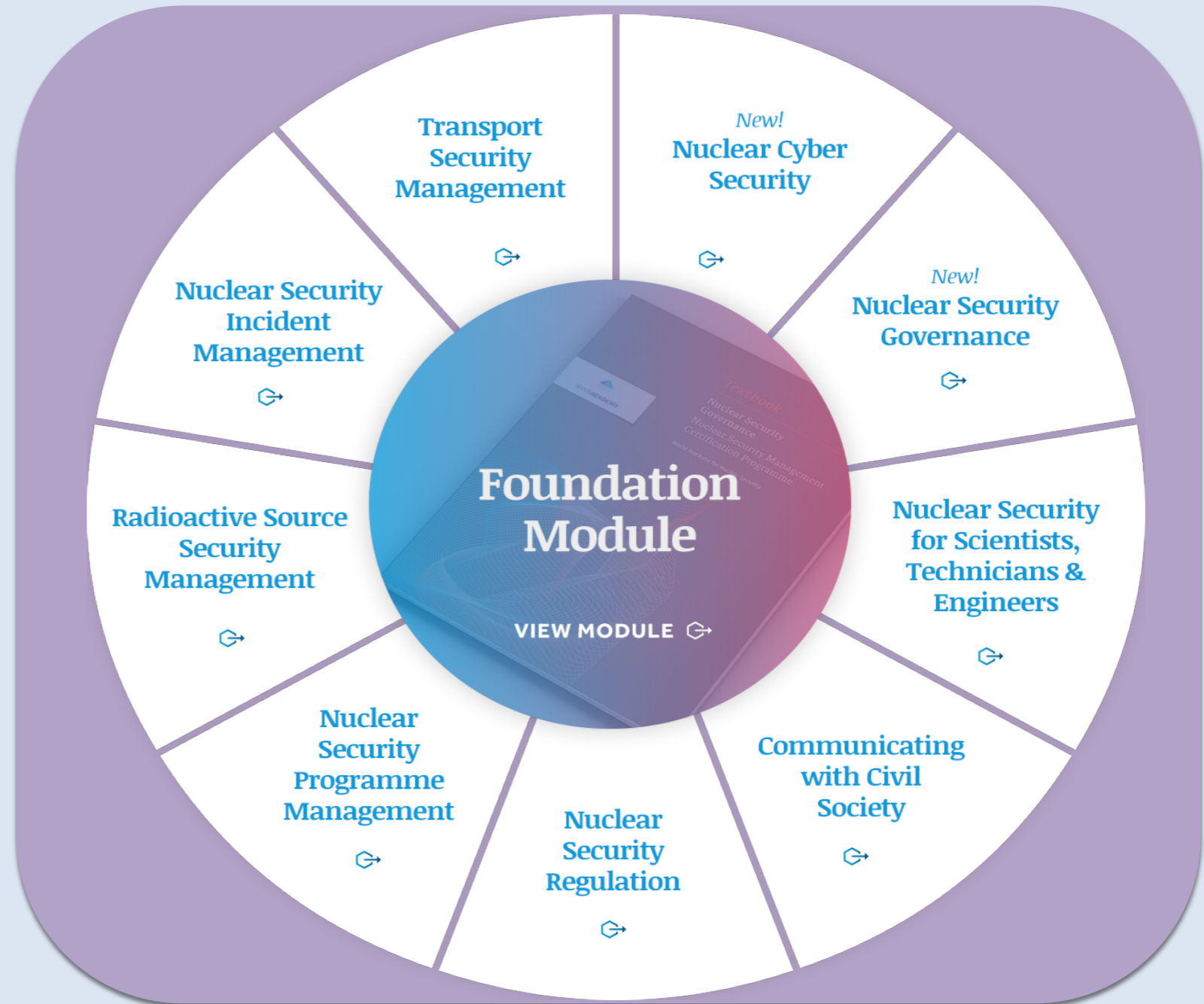
- **To meet** external regulatory requirements – whether explicit (SQEP) or implicit (plans and arrangements)
- **To meet** internal organization requirements
- **To attract** well qualified candidates for positions of importance
- **To demonstrate and maintain** public confidence
- Others?

Who could have a role in defining the required competencies?



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How can 'certification' contribute to competence development and maintenance?



Who could have a role in defining the required competencies?

How can 'certification' contribute to competence development and maintenance?

- It can **measure achievement** of a learner against a defined curriculum
- It can **demonstrate an acceptable level** as defined by a particular industry or sector
- It could **provide evidence** to a regulator that an individual covered by the regulatory framework has **achieved a mandated level of competence** that contributes to the wider plans and arrangements the subject of the licence
- It can **provide evidence** to a regulator at the organizational level that there is a programme in place **to support effective security**



# Thank you!

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