



Professional Standards to drive service improvement

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Presentation content



Terminology

- Engineering
- Professional Standards
- Third party accreditation

Professional frameworks

- Characteristics
- Benefits to individuals
- Benefits to organisations

Professionalism in the FRS

- Components in place
- Components to be embraced
- The role of professional bodies

Next steps

Terminology

Engineering

Solving practical problems through the application of knowledge, understanding and practical techniques



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Engineering


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Terminology

Engineering

- Enabling society to be safe from fire requires a range of engineering solutions
 - Design
 - Construction
 - Management
 - Mitigation

Prevention, Protection, Response
- Interaction with other engineering disciplines, social and medical sciences
 - Structural
 - Mechanical
 - Civil
 - Building Services

IStrutE, IMechE, ICE, CIBSE

 - Human factors
 - Care pathways

Medicine and social sciences
- Fire and Rescue Service Delivery involves engineering solutions at the point of delivery
- Planning, resourcing, implementing and assuring fire and rescue services involves managing an engineering function.

Terminology

Professional Standards

Oversight of Professions

- Legal – Bar Council
- Financial – Financial Reporting Council
- Education – General Teaching Council
- Medical – General Medical Council
- Scientific – Science Council
- Engineering – Engineering Council.

Terminology

Professional Standards

Oversight of Professions

- Legal – Bar Council
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- **Engineering – Engineering Council.**

Terminology

Professional Standards

Engineering Council role:

- Sets benchmark competence standards for engineering
- Maintains a Register of professionals who meet the standards
- Licenses Professional Bodies to assess individuals
- Around 40 licensed Professional Engineering Institutions (PEIs)

IFE as a licensed PEI

- Options for professional registration, training and education recognition
- Engineering Technician registration
- Directly applicable to fire and rescue practitioners.

Terminology

Third party accreditation

Independent verification of:

- Standards
- Education
- Training
- Assessment
- Competence
- Conduct

Assurance of the independent verification:

- Licensing reviews.

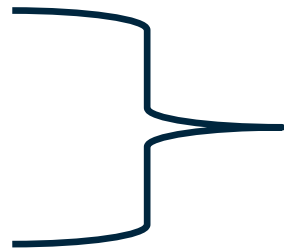
Professional Frameworks

Characteristics

Competence:

Knowledge

Practice



Individual

Professional Frameworks

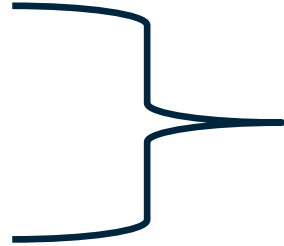
Characteristics

Professionalism:

Knowledge

Practice

Ethical conduct



Individual

Professional Frameworks

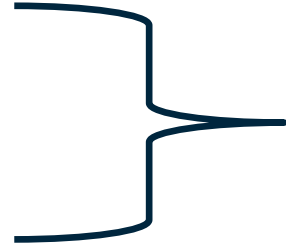
Characteristics

Liability:

Knowledge

Practice

Ethical conduct



Employer

Professional Frameworks

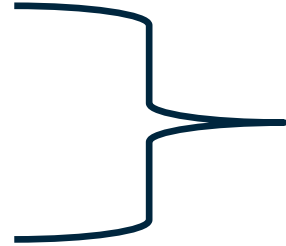
Characteristics

Assurance:

Knowledge

Practice

Ethical conduct

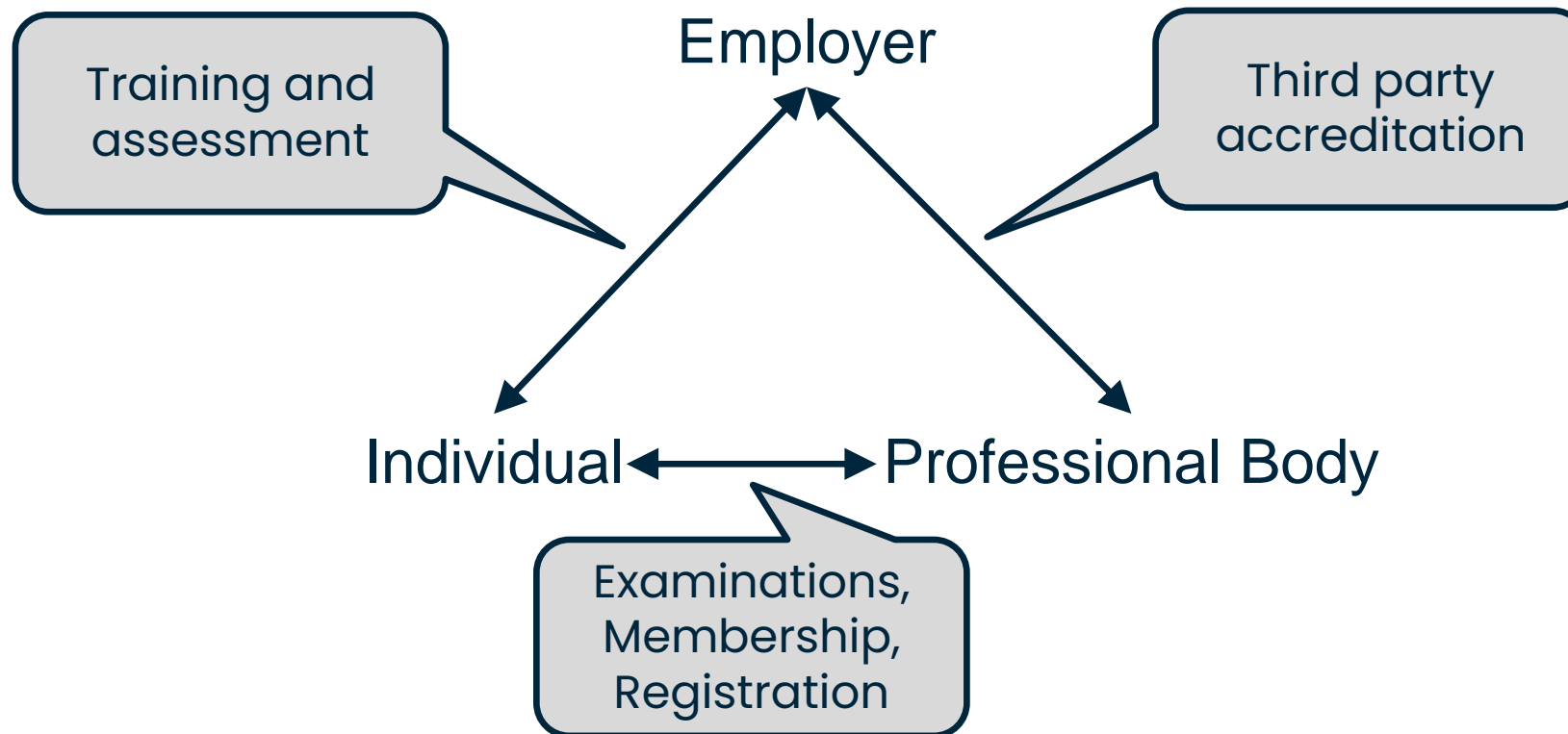


Professional Body

Professional Frameworks

Characteristics

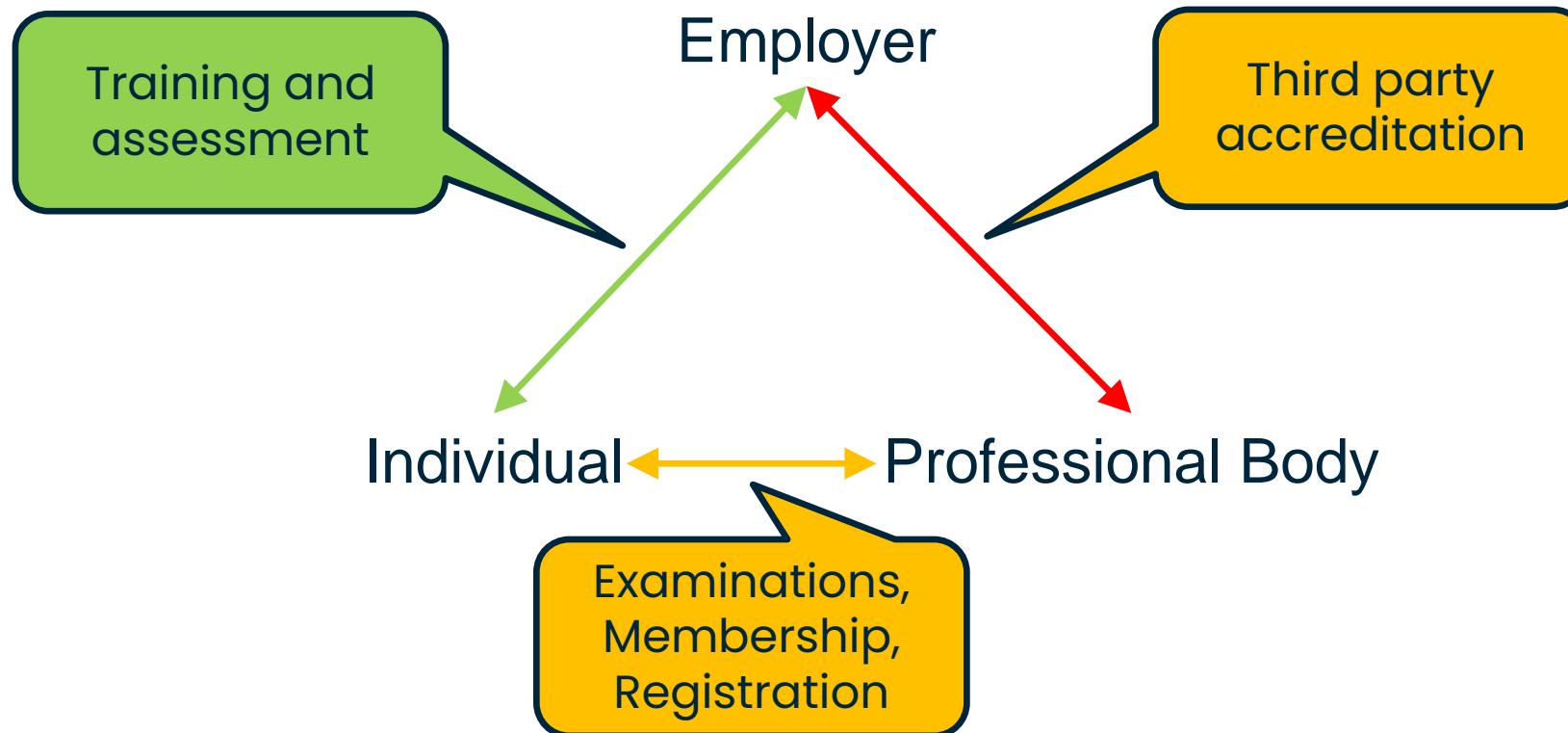
Three way relationship:



Professional Frameworks

Characteristics

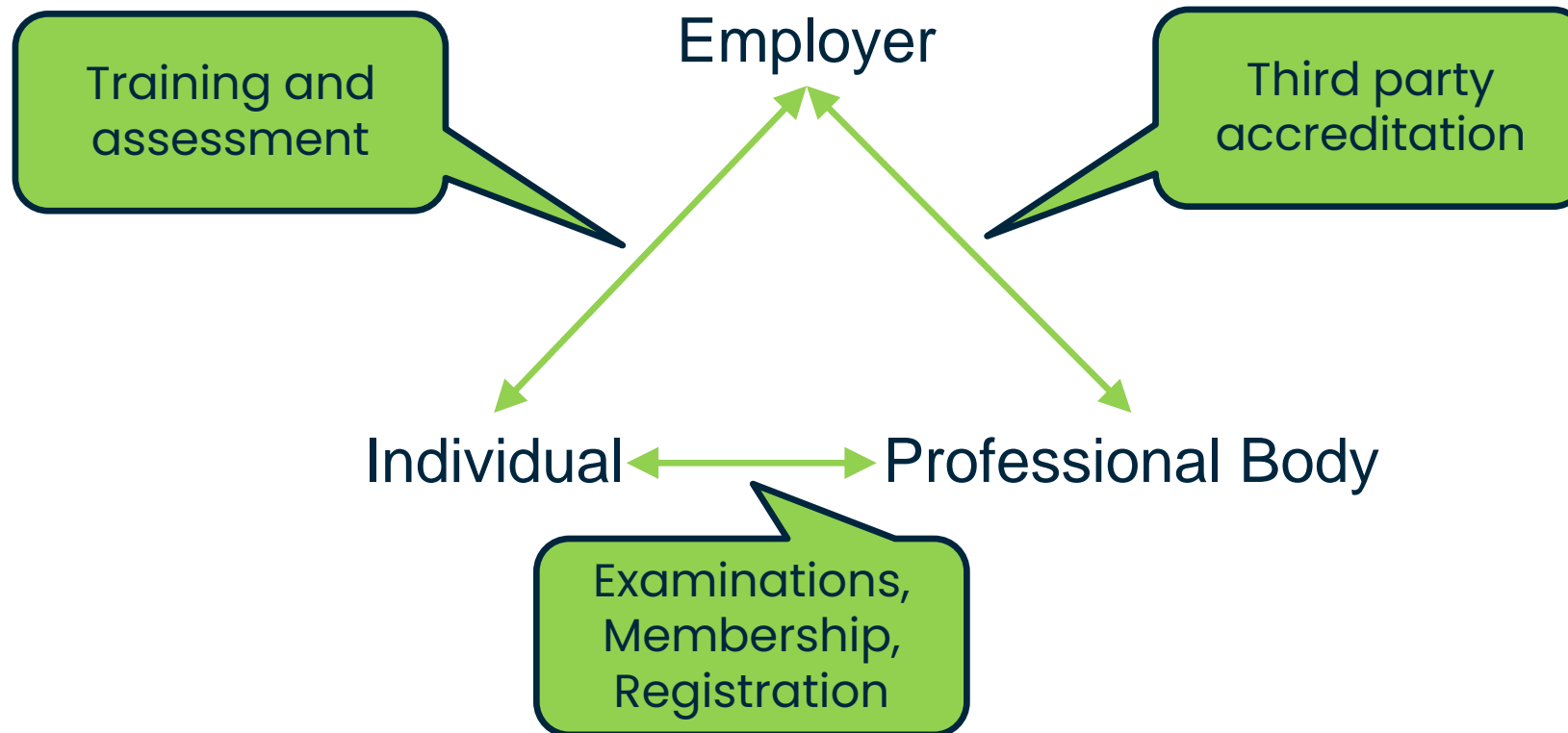
Three way relationship:



Professional Frameworks

Characteristics

Three way relationship:



Professional Frameworks

Benefits

Employer:

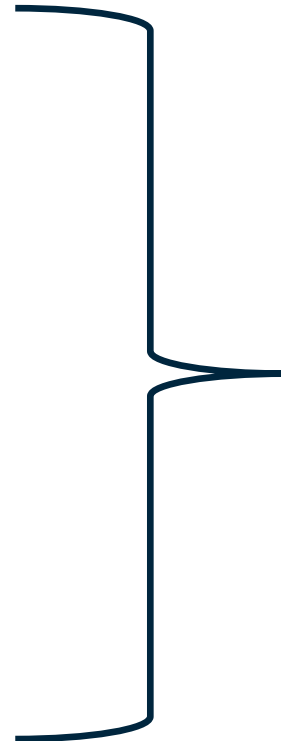
- Corporate risk reduction
- Excellence in service delivery
- Fire-fighter safety

Individual:

- Personal recognition
- Status
- Mobility

Professional Body:

- Broader membership
- Diversity
- Delivery of objectives



Safer society

Professional Frameworks

Benefits

Alignment with other external colleagues

- Building control professionals
- Emergency planning professionals
- Supply chain professionals
- Academic and training professionals

Alignment with other internal colleagues

- Finance professionals
- Procurement professionals
- HR professionals
- Legal professionals
- IT professionals.

Professional Frameworks

Benefits

Corporate risk mitigations

- Defensible decision making
- Robustness to challenge
- Assurance of good practice

Firefighter safety

- Situational awareness
- Personal development
- Reflective practice

Societal gain

- Confidence in public services
- Effectiveness of public services
- Resilience in arrangements for life safety and asset protection.

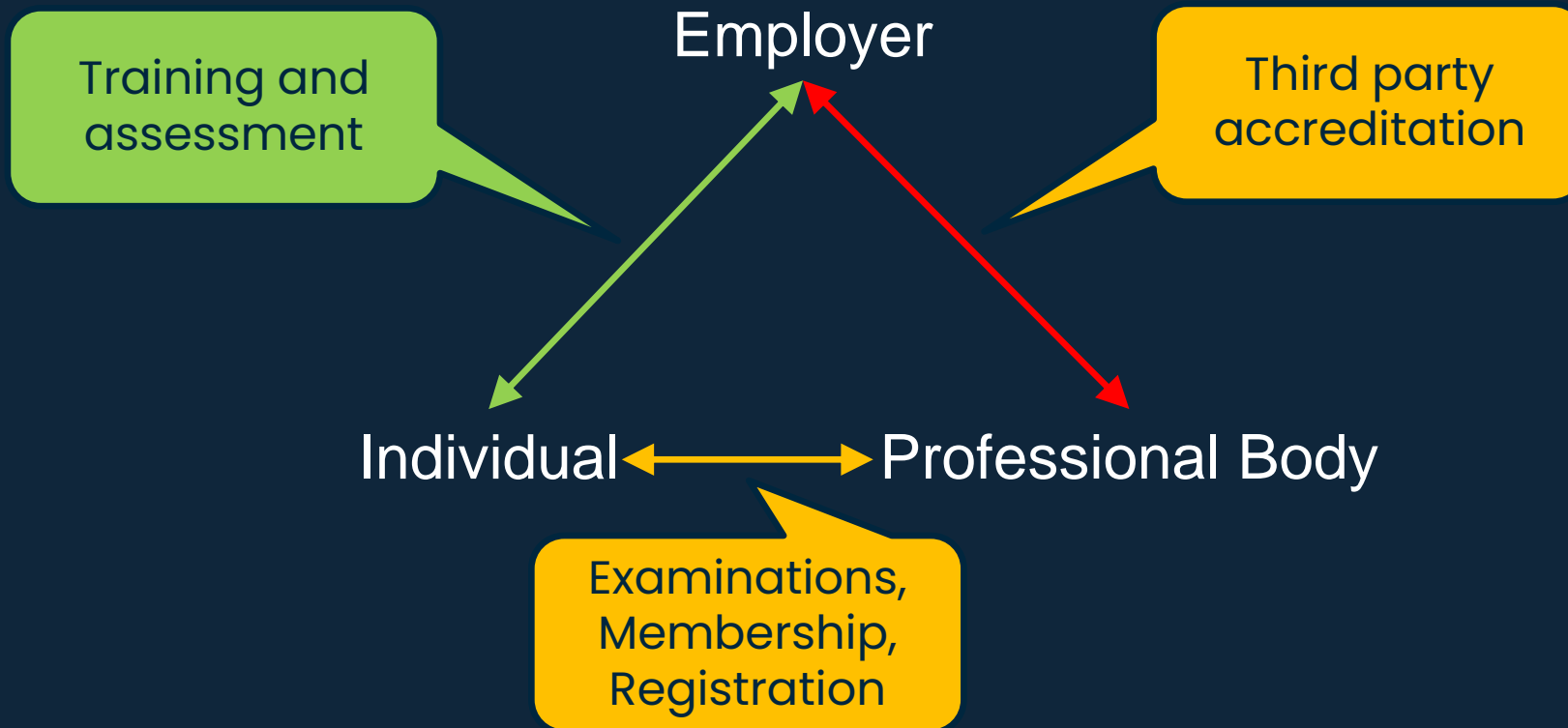
Professionalism in the FRS

Components in place



Professional Frameworks

Components in place



Professionalism in the FRS

Components in place

- Frequent high quality training
- Assessment processes
- Contractual control of expectations and responsibilities
- Limited engagement between individuals and professional body
- Very limited engagement between FRS's and professional body
- Precedent – FRS Fire Safety Competency Framework and MoU with IFE
- Intent – NFCC Operations Committee and UKRO.

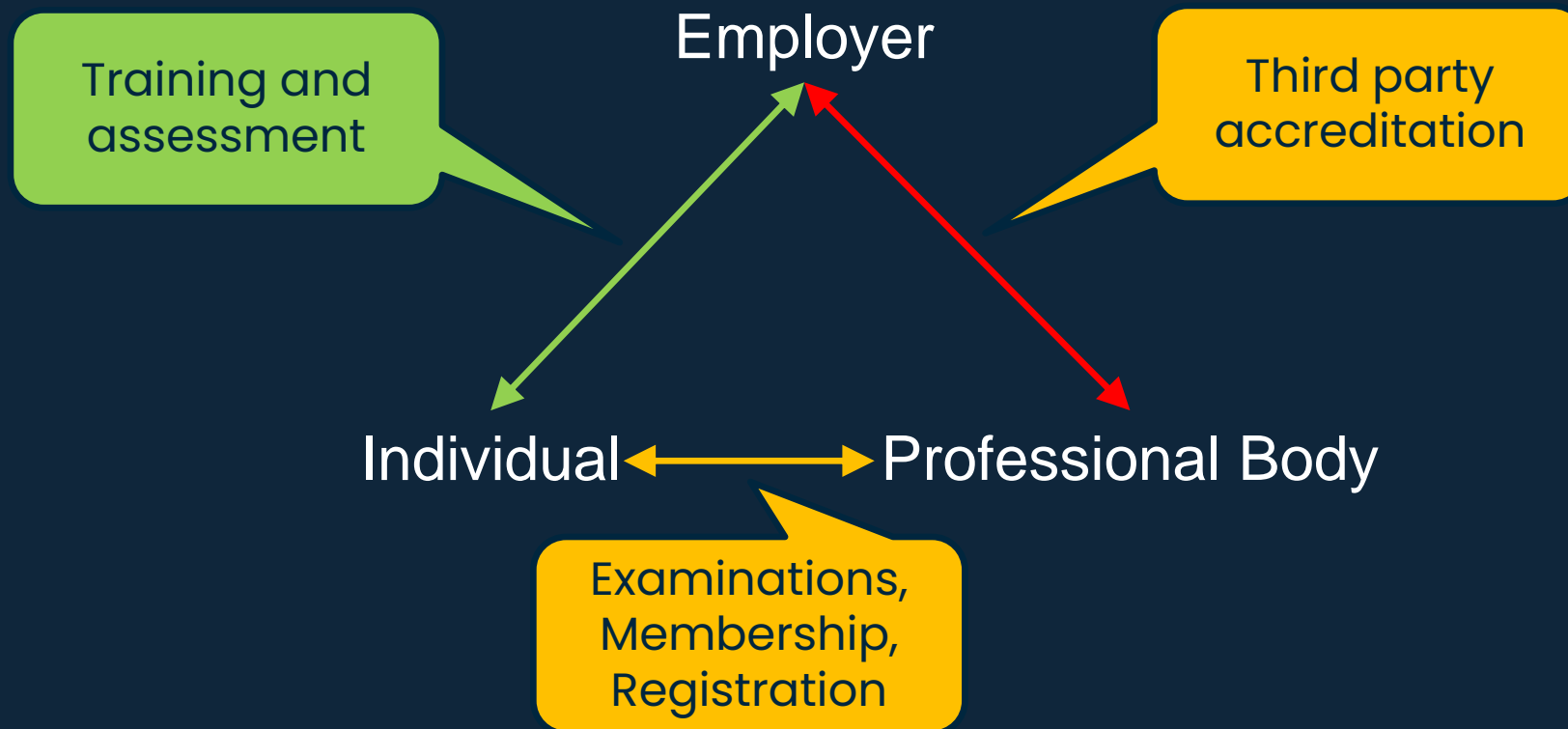
Professionalism in the FRS

Components to be embraced



Professional Frameworks

Components in place



Professionalism in the FRS

Components to be embraced

- Professional body involvement in assessing knowledge and understanding
- Requirements for professional body membership including professional conduct
- Requirements for professional registration in risk critical roles
- Professional body involvement in third party verification
- Engagement through professional networks with other non-engineering disciplines.

Professionalism in the FRS

The role of IFE as a professional body

IFE is able to facilitate fire specific:

- professional registration with the engineering council for identified roles
- third party assurance of knowledge and understanding for all roles
- recognition of professional status for all roles
- networking and CPD provision
- guidance for professional conduct and ethics
- international perspectives to be shared.

Service improvement

Steps to embracing professional standards

- NFCC
 - Build upon model used for fire safety officers
 - Further the intentions of the operations committee
 - Ensure alignment and inclusion across the central programmes
- Individual FRS
 - Consider the balance between delivering and managing an engineering function
 - Identify local risk critical roles for prioritisation
 - Engage with IFE as the international professional body for fire
- IFE
 - Facilitate dialogue
 - Provide case study examples within the FRS
 - Tailor cost effective professional framework solutions to individual services



Thank you

www.ife.org.uk

