

Personnel Licensing Inspector Training

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EU-South East Asia Aviation Partnership Project (EU-SEA APP)

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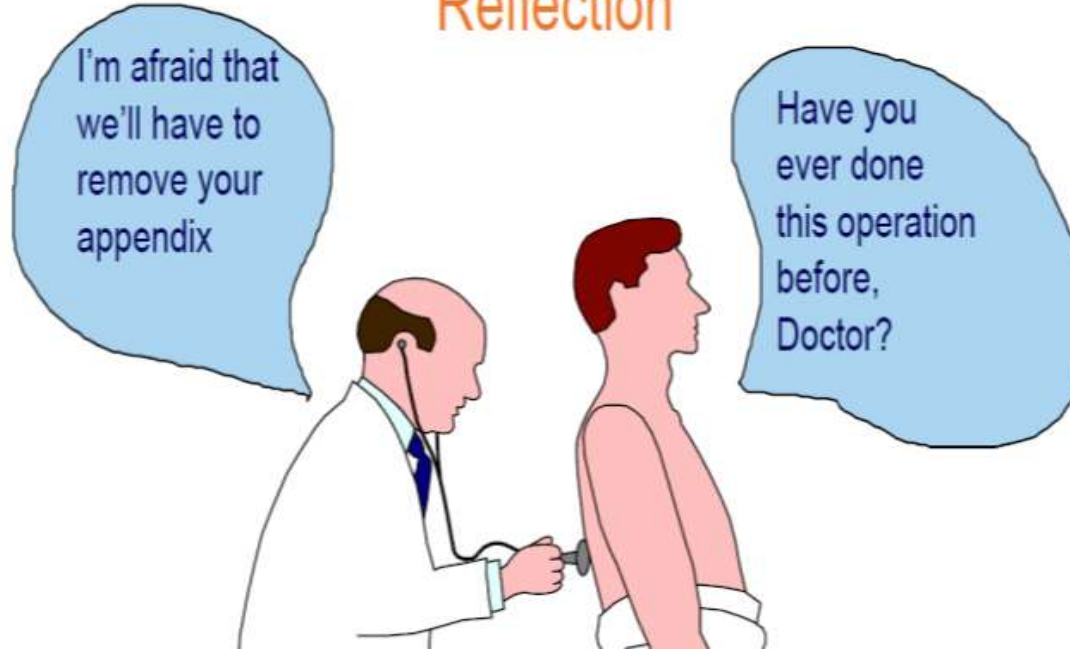
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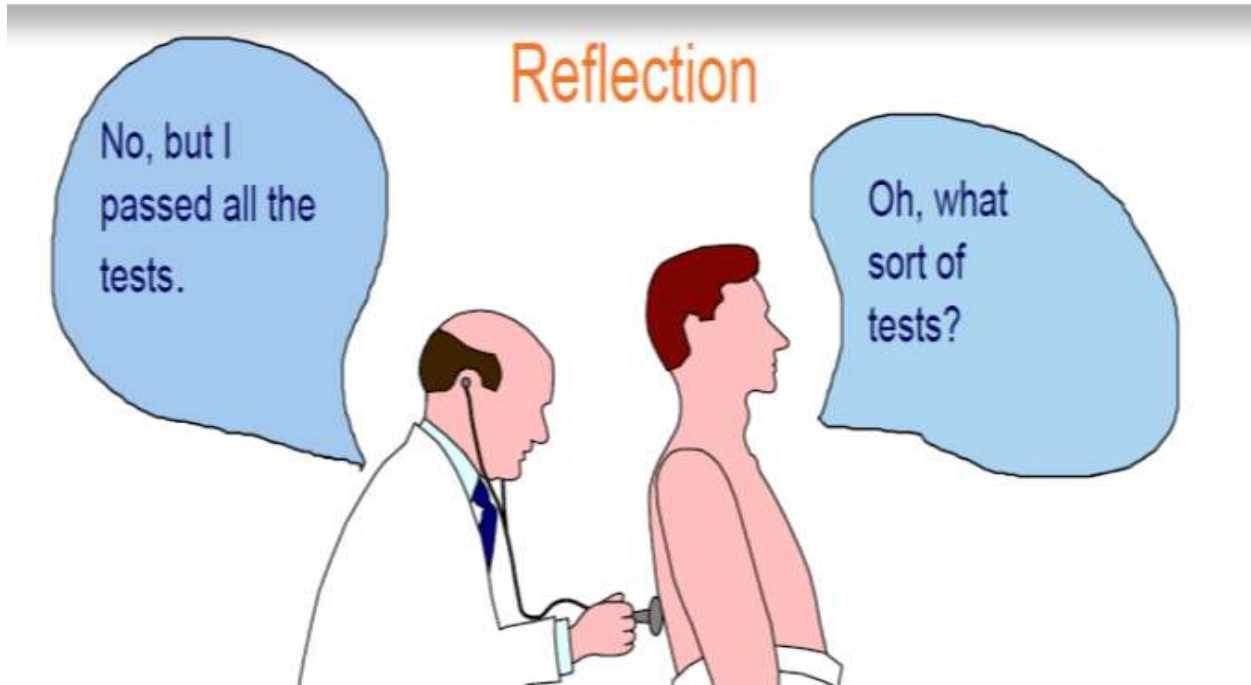
Competency Based Training

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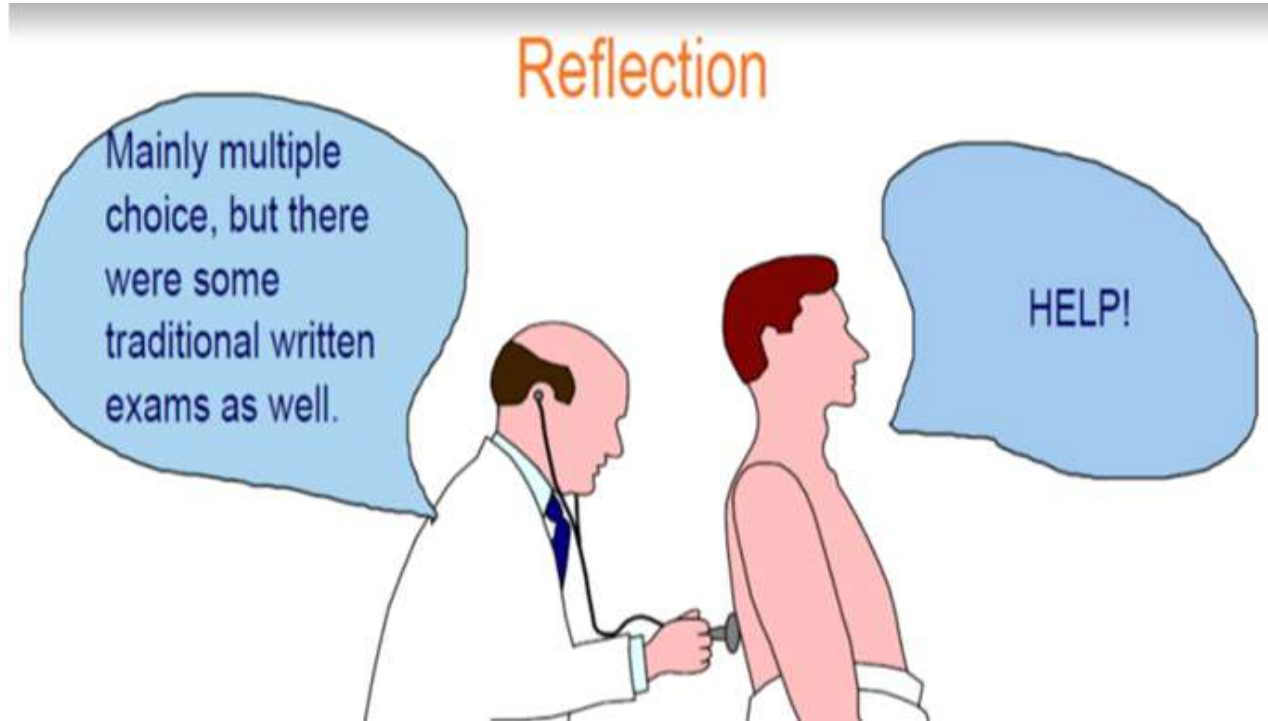
Reflection



Competency Based Training



Competency Based Training



Changes in Training Approach

Traditional Licence Qualifying

- Meet prescribed minimum skill, knowledge and prerequisite flight hours prescribed for the licence

Competency-based

- Meet identified skill, knowledge and attitudinal requirements to effectively perform the job

Changes in Training Approach

- Lies in the regulatory demands imposed upon training institutions to continuously strive towards excellence
- Not in developing overly prescriptive demands upon training program, focused on achieving minimum hours of training exposure

Characteristic of Competency Based Training

- Underpinning thorough job/task analysis
- System-based approach to training programme design and development
- Performance assessment criteria and tools

Regulatory Framework

- Focus on achieving required outcomes
- Promote achieving quality objectives and continuous improvement
- Resilient to improvements in technologies and methodologies

Rulemaking Approaches

Prescriptive

- Dictates how to achieve the result

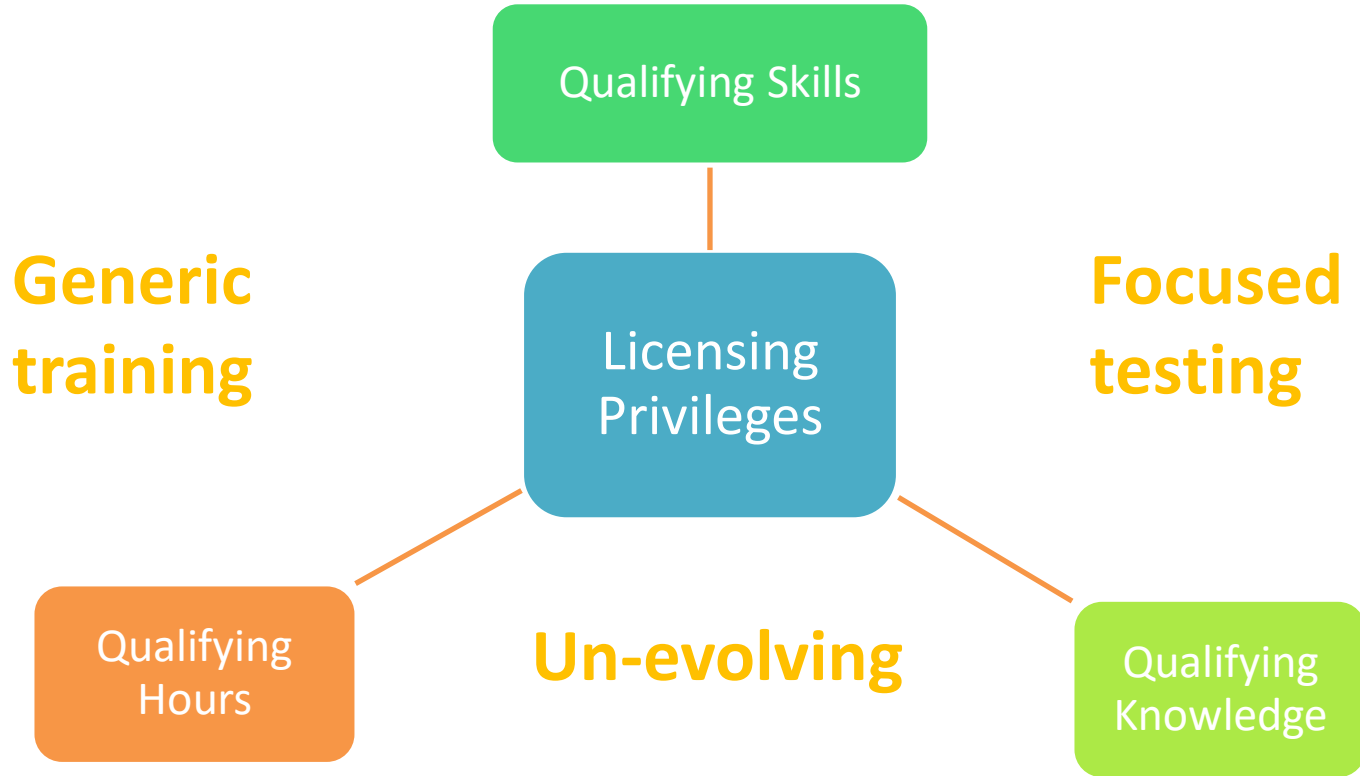
Performance based

- Specifies the result and gives discretion as to how to achieve it

Hybrid

- Combines the two approaches

Licence Qualifying Safety Net



Licence Authority Competencies

→ Specialization in certification and surveillance of:

- System based processes
- Proof of concept processes
- Instructional system design processes
- Learning management system
- Screening and selection processes
- Programme and learning dynamics
- Continuous assessment processes

MPL Training Programme Attributes

- Robust screening and selection process
- English language training and testing
- Development of Core Competencies
- Application of TEM principle
- Continuous assessment against pre-defined norm
- Objective data
- Quality of instruction

Pilot Core Competencies

- Group of related behaviours which describe how to operate modern multi-crew transport plane safely, effectively and efficiently



Competency Assessment Areas

- Apply TEM principles
- Perform:
 - Ground and pre-flight operation
 - Take-off
 - Climb
 - Cruise
 - Descent
 - Approach
 - Landing
 - After-landing and post-flight operation

ICAO IWG

- Pilot core competencies
 - Application of procedures
 - Communication
 - Aircraft flight path management, automation
 - Aircraft flight path management, manual control
 - Leadership and teamwork
 - Problem solving and decision making
 - Situation awareness
 - Work load management

Latest to Date

- 50 Countries with MPL law (developed or in draft)
- 19 MPL training programmes underway with curriculums ranging from:
 - 36 (aviation degree) to 14 months duration
 - 404 to 240 flight hours of training
 - 1800 students enrolled
 - Over 600 flying the line
 - Base training generally 12 T/O & Landings
 - IOE ranges from 40 to 200 sector minimums (60 is the norm)

QUESTIONS?

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