

## **Richard Whiting** UK Market General Manager





## Why do we need this?

Good Engineers are hard to find

We train them then lose them

There is no pipeline of new talent

The qualifications aren't there to attract young people We are critical to the construction industry but we sit under the radar

Promotion for UK engineers is to come off the tools !



IPAF's 3-Year Strategic Plan		UK Country Council – Aligned Primary Objectives
Develop Career Paths	Identify clear routes for engineers to achieve a CAP card	Training to support development and assessment of individuals from PDI Technician to CAP qualified engineer
	Produce a service technician qualification framework	Training to support the development and assessment of individuals without prior experience to PDI Technician
	Introduce Service Technician training	Training roadmap to ensure non-qualified engineers can work in a service / maintenance role
	Launch IPAF Apprenticeship in the UK	Apprenticeship scheme to develop school leavers / new entrants to level of competent engineer, working towards CAP status

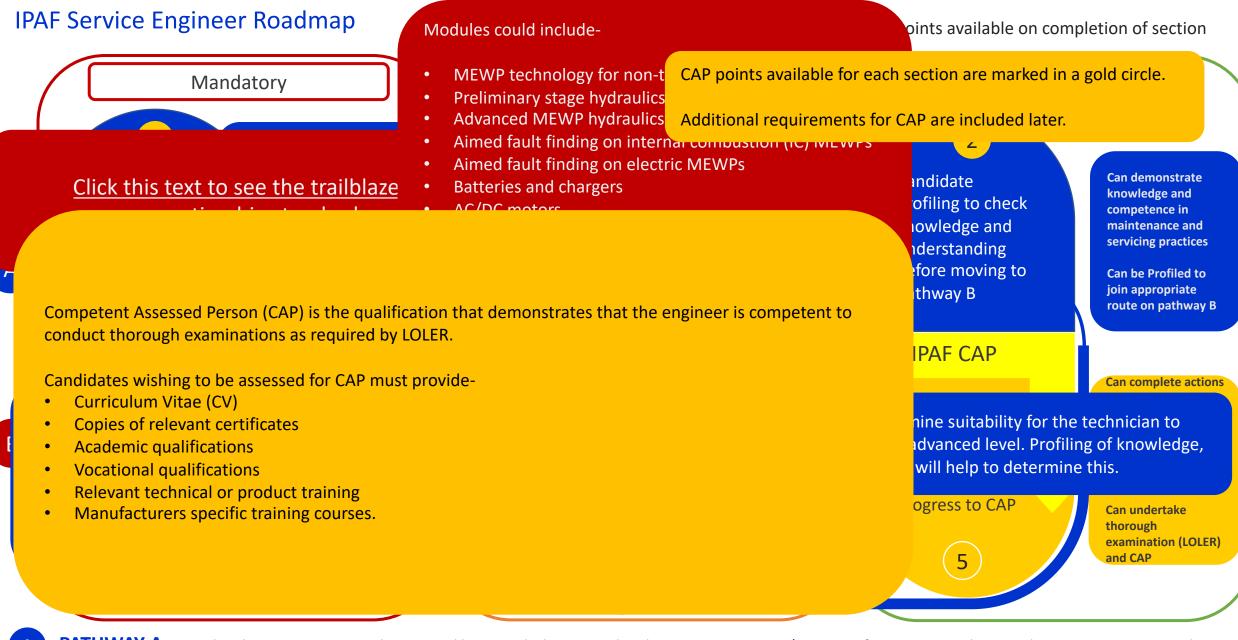
Consider how career path development can be implemented internationally



# A UKCC working group identified 2 clear pathways

Aimed at those new to powered access and hire rental who may undertake some maintenance/servicing of equipment or those working in a maintenance role without formal qualification.

Aimed at those looking to achieve an engineering apprenticeship / qualification either straight from school or those working in industry with prior knowledge



**PATHWAY A** – Aimed at those new to powered access and hire rental who may undertake some maintenance/servicing of equipment or those working in a maintenance role without formal qualification.

**PATHWAY B** – Aimed at those looking to achieve an engineering apprenticeship / qualification either straight from school or those working in industry with prior knowledge



## UK Country Council – Aligned Primary Objectives

Training to support development and assessment of individuals from PDI Technician to CAP qualified engineer

Training to support the development and assessment of individuals without prior experience to PDI Technician

Training roadmap to ensure non-qualified engineers can work in a service / maintenance role

Apprenticeship scheme to develop school leavers / new entrants to level of competent engineer, working towards CAP status

Consider how career path development can be implemented globally

- MEWP technology for non-technicians
- Preliminary stage hydraulics
- Advanced MEWP hydraulics
- Aimed fault finding on internal combustion (IC) MEWPs
- Aimed fault finding on electric MEWPs
- Batteries and chargers
- AC/DC motors
- Diagnostics and analysis of electrical signals
- Expert training on IC or electric MEWP
- Manufacturer specific training





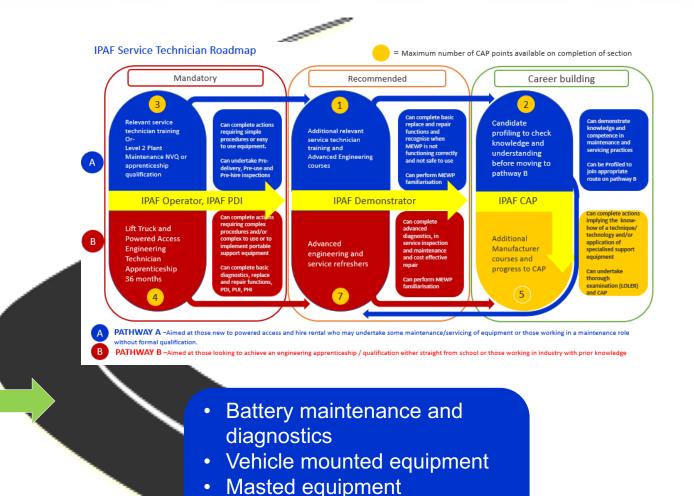
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# **IPAF**

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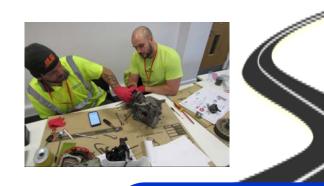
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Consider how career path development can be implemented globally





- Electrical equipment
- Engines and power systems
- Basic hydraulics and hydrostatic drive systems
- Pre delivery inspection essentials
- Health and safety
- Road tow equipment







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#### Lift truck and powered access engineering technician

🔧 In development 🛛 🖍 Level 3

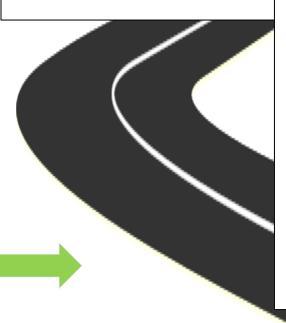
Current status

Standard

Proposal

https://www.instituteforapprenticeships.org/apprenticeship-standards/lift-truck-and-po

Assessment plan



Institute for Apprenticeships & Technical Education

ST0387

#### LIFT TRUCK AND POWERED ACCESS ENGINEERING TECHNICIAN

#### Reference Number: ST0387

#### **Details of standard**

This apprenticeship standard is currently in development and its contents are subject to change

#### **Occupation summary**

Lift Truck and Powered Access Engineers can be found in many sectors, wherever businesses need to lift and move products, equipment and people safely. This is vital to a huge range of industries including: engineering, manufacturing and construction, food manufacturing and the storage & logistics industries.

The broad purpose of the occupation is to service, repair and maintain lift trucks and powered access vehicles. This can include manual, electric, diesel, LPG, and hybrid powered machines both tracked and wheeled, vertical mast type machines both static and self-propelled along with equipment mounted on vehicles, such as; fork lift, scissor lift, vertical mast, articulated and telescopic boom, elevated work platform machines both static and self-propelled along with equipment mounted on vehicles. There are also Lift Truck and Powered Access machines specially designed to meet specific applications.

This can take place in a range of locations such as at a workshop, repair centre, warehouse, foundry, cold-store, manufacturing plant, engineering, construction site, storage & logistics site or any field service environment including customer's premises, so some Lift Truck and Powered Access Engineers work from their own mobile units. Many companies require staff to work shifts, which can mean that their weekly hours involve working nights, weekends, and bank holidays.

In their daily work, an employee in this occupation interacts with supervisors, warehouse staff, colleagues and customers.

An employee in this occupation will be responsible for inspecting and maintaining vehicles/equipment as well as diagnosing and repairing faults. They are in direct contact with customers and are required to understand and meet customer requirements, providing a high standard of customer care.



## So What's next?

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ACCES

- Market and promote the launch of the new UK apprenticeship to attract school leavers / new entrants
- Identify other pipelines of potential engineers



- Develop a Level 3 Service Tech / Plant Maintenance qualification (NVQ)
- Internationalise the UK qualifications where appropriate or find comparable locally recognised qualifications
- Launch Service Tech Training outside of the UK, starting in Dubai

# **THANK YOU**



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