



IPAF

Bridging the Gap!

Jason Woods







**I don't want
to change!**

Risk Assessment

Method Statement

Rescue Plan

What is your plan !



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30-8-07

16:10:59

11 38 11
10/08/07

Press x for Flex Options

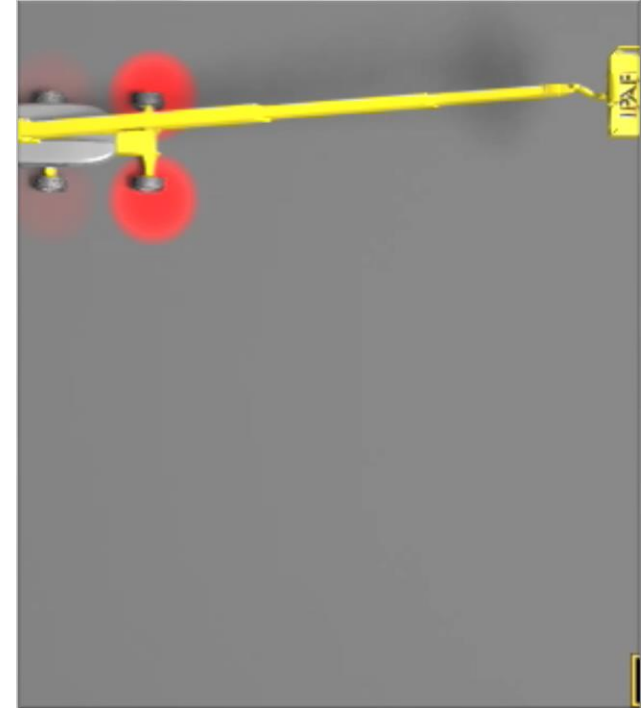
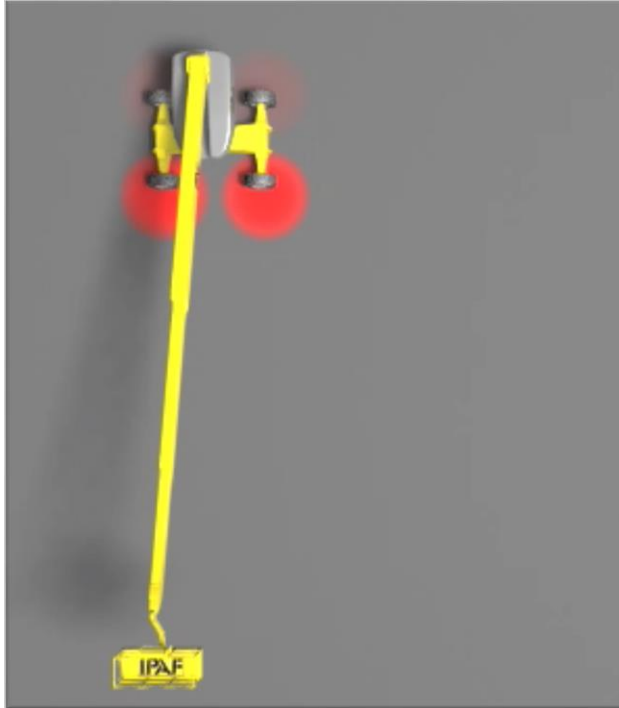


10:00

What is your plan !

- MEWPs are stable
- Incorrect set up and misuse cause instability
- Poor ground assessment
- Poor spreader plate selection
- Incorrect positioning of outriggers
-



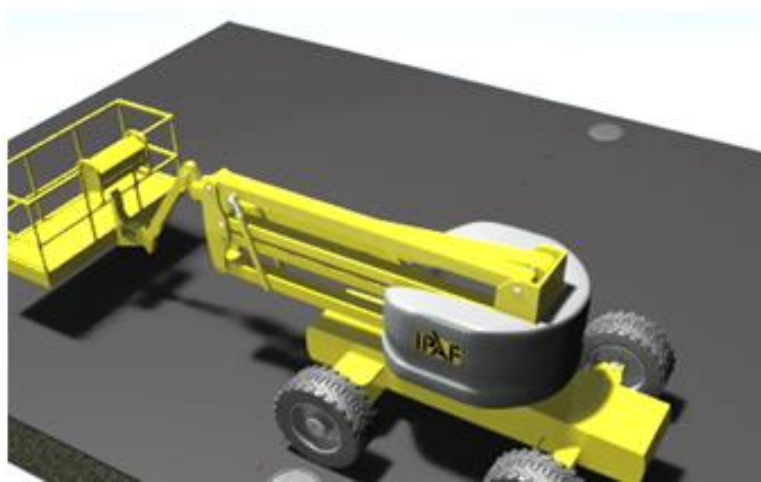


Set Up - Ground Conditions



www.ipaf.org

Avoid setting up over
voids or services



Work at Height Safely !



The world authority in powered access

- **Training**
- **Safety**
- **Technical Support**
- **Lobbying**
- **Standards**
- **Member Services**



**What is IPAF
support !**



IPAF Rental+. The rental company that sets the standard

Just check out all these important plus

The respected **IPAF Rental+** quality mark shows you that the rental company you are dealing with has been independently audited to meet the most stringent standards of training, advice, equipment and customer satisfaction.

With **IPAF Rental+**, you get complete reassurance at every stage of the rental process.

- + Booking** Companies that display the **IPAF Rental+** sign always have knowledgeable booking staff. Training and competency levels of hire desk staff are checked by the **IPAF Rental+** auditor at point of audit. Their thorough understanding of their fleet ensures you will get exactly the right platform you need for the job.
- + Advice** Staff's knowledge of safety legislation and equipment will help you operate safely and legally on site. Staff training and competency levels are auditor checked against standards set out in the **IPAF Rental+** guidelines.
- + Delivery** All **IPAF Rental+** centres use delivery drivers trained to demonstrator level. The quality of their handover familiarisation means you will get the most out of your machine right from the outset.

- + Operators** **IPAF Rental+** centres provide certified platform operators & machines. Your platform will be operated safely and productiv

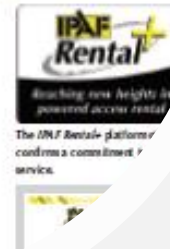
- + Expertly main**
IPAF Rental+ staff service and maintain all equipment. All engineers are fully trained and qualified to all qu



- + Location tracking** **IPAF Rental+** companies are required to know where their machines are, making it easier to get the right platform to customers when needed.

Checked and checked again

All **IPAF Rental+** centres subject their machines to regular checking, condition monitoring and a regular examination schedule.



Contract terms used by

IPAF
Rental+


IPAF



IPAF Rental+
The independent quality mark for powered access rental

IPAF Rental +

S	Competent Assessed Person (CAP)		Duration	CAP Points	On completion of training the candidate will be able to	IPAF
TARGET GROUP	Route B is aimed at those looking to achieve an engineering apprenticeship / qualification either straight from school or those working in the industry with prior knowledge. Each employer would need to determine any pre-entry / competence requirements.					
MANDATORY TRAINING	IPAF Operator		1 day			
	IPAF PDI		1 day			
	Either CEME Trailblazer Apprenticeship		18-24 mths			
	or F-TEC Trailblazer Apprenticeship		36-42 mths			
RECOMMENDED TRAINING	MEWP technology for non-technicians		1 day			
	Preliminary stage Hydraulics		1 day			
	Fault finding on Internal Combustion MEWP		2 days			
	Batteries and chargers		1 day			
	AC/DC Motors		1 day			
	Fault finding on electric MEWP		2 days			
	Hydraulics for MEWP - intro to mobile hydraulics		3 days			
	New Module - Vehicle Mounts		TBC			
MEWP SPECIFIC REFRESHER	New module - Mechanical/structural assessment		TBC			
	Mod 1 - Basic Electrics and Work Equipment		1 day			
	Mod 2 - Engines and Power Systems		1 day			
	Mod 4 - Basic Hydraulics and Hydrostatic Drive Systems		1 day			
	Mod 5 - Powered Access PDI Essentials		1 day			
H&S Qualification	Mod 6 - H&S Awareness		1 day			
Apprenticeship						
IPAF	IPAF Demonstrator		1 day			
Manufacturer	Up to 2 days training		2 days	1		
	2.5 to 4 days training		4 days	2		
	4.5 to 7 days training		7 days	3		






IPAF promotes the safe and effective use of powered access equipment worldwide


www.ipaf.org


LEARN MORE ABOUT US


13

 **VERIFY A PAL CARD**

New to Powered Access?
Here's what you need to know.

 **FIRST-TIME USERS**

 **FIND A TRAINING CENTRE**

 **REPORT AN ACCIDENT**
Add a footer

SPREADER PAD CALCULATOR



www.ipaf.org/pads

Share this [f](#) [in](#) [t](#)

visit www.ipaf.org/pads to access the Spreader Pad Calculator

The IPAF "Spreader Pad Calculator" is a simple interactive tool designed to offer guidance to operators and those involved in determining the size of spreader pads to be used when setting up a boom-type MEWP where the weight will be fully supported on the outriggers, also known as jacklegs. After the gross vehicle weight of the MEWP has been entered, the Spreader Pad Calculator will display the minimum area of the spreader plate and identify minimum sizes of spreader pads required for differing ground types and strengths. Before using the device, an assessment of the ground strength should be conducted.

www.ipaf.org/pads

Share this [f](#) [in](#) [t](#)

it www.ipaf.org/pads to access the Spreader Pad Calculator

SPREADER PAD CALCULATOR

Helping you size your spreader pads

BEFORE YOU BEGIN

LET'S GO!

WELCOME

For the Spreader Pad Calculator to work effectively you'll need maximum load per outrigger and the maximum allowable ground pressure in the same unit of measurement.

Don't worry, if you don't know the ground pressure - the calculator will ask you for the surface material and you'll be able to select the most appropriate type.

Please note – the calculations are provided for information only and do not take into consideration the outrigger foot size.

DONE

SPREADER PAD CALCULATOR

Helping you size your spreader pads

BEFORE YOU BEGIN

LET'S GO!

1

Machine Type

2

Max. Load

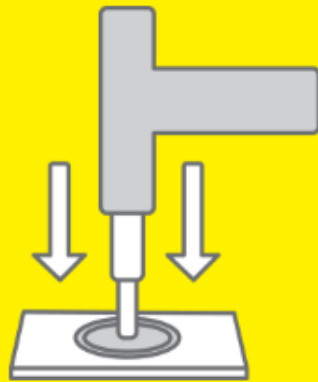
3

Surface Area

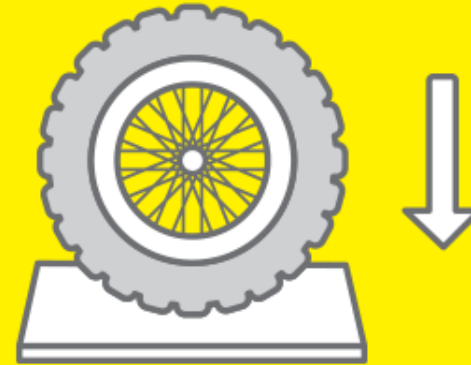
4

Results

EQUIPMENT TYPE



WITH EXTENDED
OUTRIGGERS & STABILISERS



WITH WHEELS
ONLY

IS THE GROUND

PLEASE SELECT



PLEASE SELECT

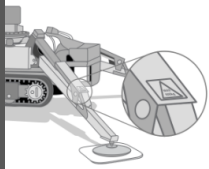
NON-COHESIVE

COHESIVE

WHERE DO I FIND THE MAXIMUM LOAD PER
OUTRIGGER?

ACCESS PLATFORMS

Look for the decal on each outrigger
or refer to the operator manual or
consult directly with the manufacturer



CRANES

Refer to the operator manual/rating
card or consult with the manufacturer
of your equipment



TELEHANDLERS

Refer to the operator manual card or
consult with the manufacturer of your
equipment



DENSE GRAVEL



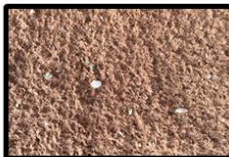
**MEDIUM DENSE
GRAVEL**



LOOSE GRAVEL



COMPACT SAND



MAXIMUM LOAD PER OUTRIGGER

SELECT UNIT OF MEASUREMENT

PLEASE SELECT



MAXIMUM LOAD PER OUTRIGGER



Not sure what the Maximum Load per
Outrigger is for your equipment?

HELP ME



1 Machine Type 2 Max. Load 3 Surface Area 4 Results

SPREADER PADS
YOUR RESULTS

LENGTH OF SQUARE PAD (per side)	272 mm
DIAMETER OF ROUND PAD	307 mm
PAD THICKNESS	30 mm

[VIEW RECOMMENDED PADS](#)

MAXIMUM ALLOWABLE GROUND PRESSURE

2.03 kg/cm²

REQUIRED SURFACE IN SQ-CM

739 sq-cm

THE GROUND IS

LOOSE GRAVEL

MEWPS for Managers

IPAF



The world authority
in powered access

Operate legally and safely.

The essential, one-day course for those who plan, supervise and manage the use of mobile elevating work platforms in the workplace.



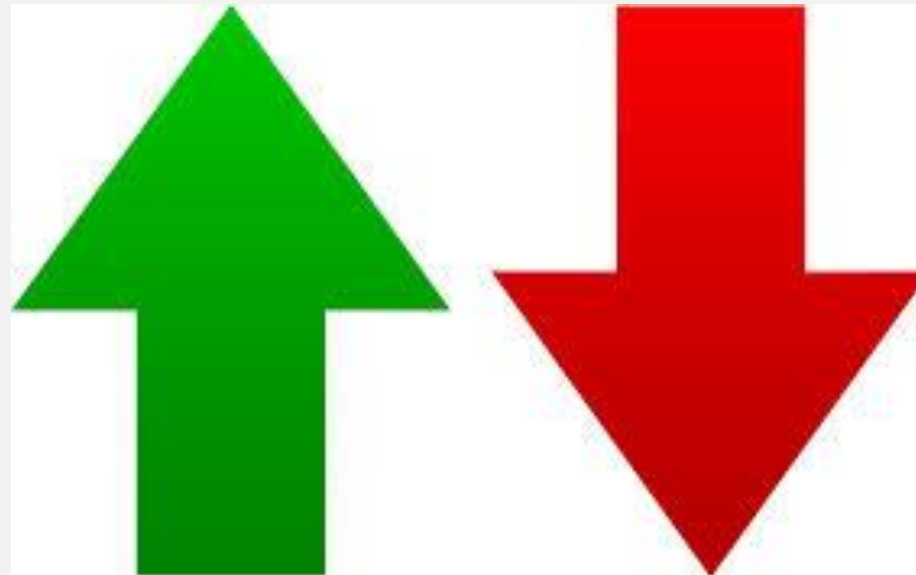
www.ipaf.org

MEWPS FOR MANAGERS TRAINING COURSE





5,000 plus



180



Technical Guidance

Technical Guidance Note
F1/08/07 on:

Familiarisation

Those who intend to use any machine with characteristics of weight, height, width, length or complexity which differ significantly to the training they have received should ensure that they receive a familiarisation to cover the differences.

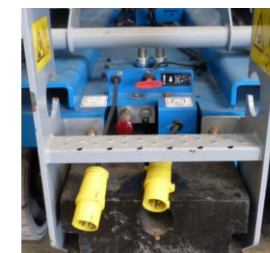
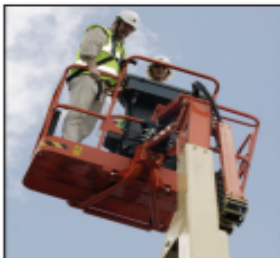
It is the employer's responsibility to ensure that all operators using equipment are adequately trained and familiarised to comply with current health and safety legislation.

Machine specific familiarisation should follow on from basic training and cover:

- Manufacturer's instructions and warnings
- Features of the specific model
- Control functions
- Safety devices and
- Emergency lowering procedures

All of the above are to be found in the information supplied with the machine.

This guidance note was prepared by the IPAF Training Committee. It has been approved by the Powered Access Interest Group, a joint committee of the Construction Plant-hire Association and the International Powered Access Federation.



What & why
Familiarisation?



It is the employer's responsibility!

IPAF TRAINED OR NOT

	IPAF	TPA	FAMILIARISATION
Industry Specialist Instructors	✓	✗	✗
Smart Card / PAL Card License	✓	✗	✗
Log Book	✓	✗	✗
Knowledge Test	✓	✗	✗
- Practical	✓	✗	✗
- Theory	✓	✗	✗
- Pass / Fail Test	✓	✗	✗
Independent Audit	✓	✗	✗
- Training Centre	✓	✗	✗
- Instructor	✓	✗	✗
Certified MEWP Specialist Instructors	✓	✗	✗
Worldwide Standards(Conforming to ISO18878)	✓	✗	✗
Internatiionally Recognised	✓	✗	✗
5 Year License	✓	✗	✗
Emergency Lower Procedure	✓	✗	✓
Pre User Inspection Function Test	✓	✗	✓
Certification of Training	✓	✗	✗
Reduction in Operator error resulting in Machine Downtime	✓	✗	✓

IPAF TRAINED OR NOT



Theory session

Safety & best practice

Understanding the MEWP

Pre Use inspection, regular safety checks

Understanding the limits, for example SWL

Lifting elements

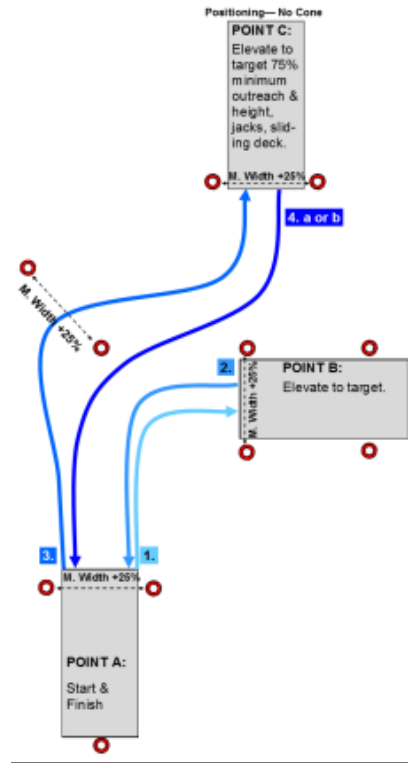
Drive control

Emergency features

Pre Theory & Post Theory test

Pass or Fail

IPAF TRAINED OR NOT



Practical session

Verbal questioning

Familiarisation of the MEWP(s)

Use of all controls and safety features

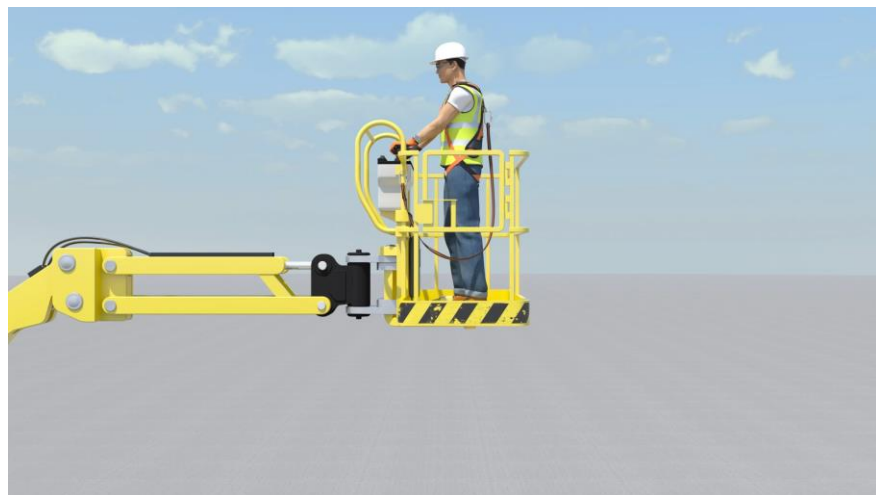
Demonstrate the emergency lowering system

Drive the MEWP smoothly

Reach the target point

Practical test

Pass or Fail



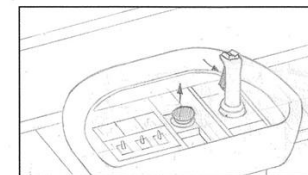
Project IPAF Animations v2

Sequence Approach

Page 1/1

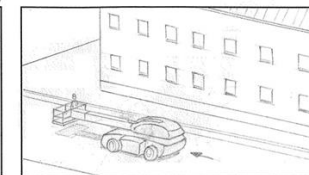
Designer PW

Date Jan 2017

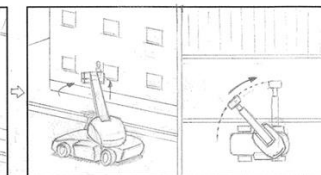


Boon MEWP control panel -
Safety controls flash, red with arrows onscreen,
indicating they are correctly engaged.

The correct pedals, triggers or switches that enable the
machine to function need to be engaged before
operation.



MEWP is parked alongside building

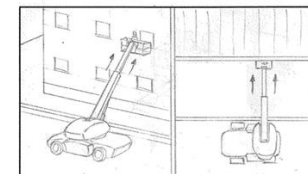


Switch to SPLIT-SCREEN - combination of previous view
and PLAN VIEW.

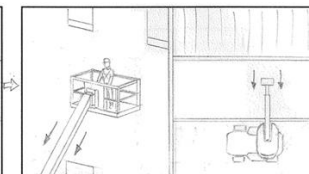
- Platform is raised.
- Platform then slewed 90° to point at building.

These are two
separate motion
sequences.

You should slew or lift the boom first and telescope out
last. The telescoping function is smooth and reduces the
likelihood of unwanted sudden movements and impacts.

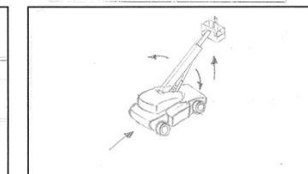


Platform telescopes out smoothly to final position.



CLOSE-UP of platform.
Demonstrate reverse procedure - platform telescopes
back towards chassis.
PLAN VIEW matches movement.

You should follow the reverse procedure afterwards:
telescope back in first. This takes you away from the
building or object, reduces the risk of impact and moves
you closer to the chassis to increase stability.



Demonstrate correct sequence -
MEWP drives in, platform close, slew and
telescopes.

Show sequence in reverse.

When close to obstructions use the controls in the
following general sequence:
drive - elevate & slew - telescope

IPAF Operator Training – 2017
165,000 PAL Cards

Audited to ISO:18878/2013

- IPAF continues to meet the requirements of ISO 18878:2013
- Audit passed with no non-conformities
- Control and administration of MEWP/MCWP training scheme is extremely good.

Certificate

Standard

ISO18878:2013

Certificate No.

UK-IPAF-002

TÜV Rheinland UK Limited. certifies:

Certificate Holder:

International Powered Access Federation (IPAF) Limited

1, Moss End Business Village
Crooklands
Cumbria
LA7 7NU
United Kingdom

Scope:

Provision of support, assistance and general guidance to IPAF members and the powered access industry as a whole. The control and administration of the IPAF mobile and mast climbing work platform personnel training scheme.

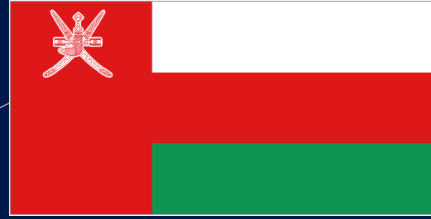
An Audit was performed (Report Date 27th July 2016).
Proof has been furnished that the requirements according to ISO18878:2013 are fulfilled.

The due date for all future audits is 20-07 (dd.mm).

Bahrain



Oman



Iraq



Qatar



UAE



Kuwait



Saudi Arabia



New
Country
Jordan





مجلس أبوظبي للجودة والمطابقة
ABU DHABI QUALITY & CONFORMITY COUNCIL



Thank You.

Jason Woods



Stay Safe !

