

IN 1398 – IMCA marine renewable energy walk to work (W2W) decision support tool

Information Note Published on 20 February 2018

1. Introduction

The IMCA [Marine Renewable Energy](#) Walk to Work (W2W) Decision Support Tool is intended as a guide for supporting those companies who have determined a need for a W2W solution to help identify key considerations when developing their W2W configuration.

Download the previously published PDF below which includes imagery and higher resolution tables.

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2. Decision tool

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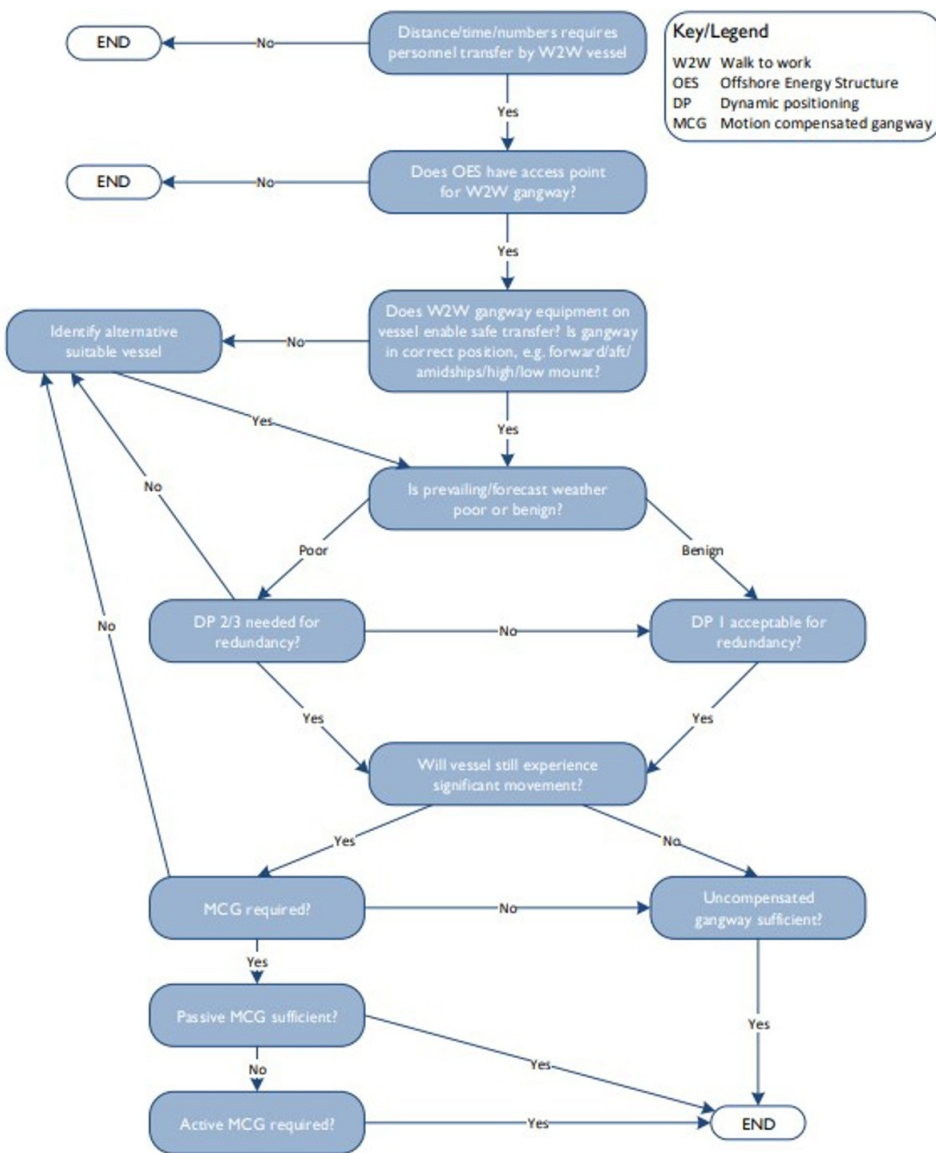
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Committees:

[Marine - Renewable Energy](#)

Tags:

[#Marine](#)



3. Optimum W2W Vessel Capability Matrix

When considering operations, it is essential that the emergency response plan including required response times are taken into account.

All vessels considered in these matrices are mono-hull, longer than 24m and greater than 300GRT.

'Restricted' refers to the relative ease of access to the point of embarkation.

Option Rating:	Preferred	Acceptable	Least Preferred
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Poor prevailing conditions = Average Wave Height >1.5 m/Sea State >3/Wind speed >10kts/Visibility <Moderate/ Environmental Vector >2kts

Capability	Sub-capabilities			Operational Scenario: POOR PREVAILING ENVIRONMENTAL CONDITIONS				
				Platform/Transfer deck				
				High open	High restricted	Low open	Low restricted	
Large Vessel (+300GRT)	DP 2/3	Gangway Capability						
		Active motion compensated	Mounted high	Forward				
				Amidships				
				Aft				
		Mounted low	Forward					
			Amidships					
	Aft							
	Passive motion compensated	Mounted high	Forward					
			Amidships					
			Aft					
		Mounted low	Forward					
			Amidships					
Aft								

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Capability	Sub-capabilities			Operational Scenario: POOR PREVAILING ENVIRONMENTAL CONDITIONS				
				Platform/Transfer deck				
				High open	High restricted	Low open	Low restricted	
Large Vessel (+300GRT)	DP 1	Gangway Capability						
		Active motion compensated	Mounted high	Forward				
				Amidships				
				Aft				
		Mounted low	Forward					
			Amidships					
	Aft							
	Passive motion compensated	Mounted high	Forward					
			Amidships					
			Aft					
		Mounted low	Forward					
			Amidships					
Aft								

Benign prevailing conditions = Average Wave Height <1.5 m/Sea State <3/Wind speed <10kts/Visibility >Moderate/ Environmental Vector <2kts

Capability	Sub-capabilities			Operational Scenario: BENIGN PREVAILING ENVIRONMENTAL CONDITIONS				
				Platform/Transfer deck				
				High open	High restricted	Low open	Low restricted	
Large Vessel (+300GRT)	DP 2/3	Gangway Capability						
		Active motion compensated	Mounted high	Forward				
				Amidships				
				Aft				
		Mounted low	Forward					
			Amidships					
	Aft							
	Passive motion compensated	Mounted high	Forward					
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			Amidships					
			Aft					
		Mounted low	Forward					
			Amidships					
Aft								

4. Relevant Guidance

- [Guidance on the transfer of personnel to and from offshore vessels and structures](#) (IMCA M202).
- [ABS Guide for Certification of Offshore Access Gangways](#).
- DNV GL Walk to Work (W2W) Guidance.
- DNVGL-ST-0358 Offshore gangways standard.

MRE Committee

Technical Library