



*New nuclear at the IMO:*

## *Why shipping needs nuclear energy*

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## Levelling the playing field

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Why?	Eliminate GHG from shipping, <u>and</u> improve energy efficiency.
What?	Nuclear is our <u>ONLY true ZERO emission energy source</u> – and we know it works at sea.
How?	Evaluate each alternative fuel and technology without prejudice, and without favour. Create a <u>level playing field for all fuels and technologies</u> .
Who?	IMO <u>must commence work</u> to revise SOLAS Ch 8, ‘Code of Safety for Nuclear Merchant Ships’ (Res A.491.Xii).
When?	MSC108 / 109 and onwards.

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## WNTI gap analysis of A.491(Xii) - Submitted as MSC108/INF.21

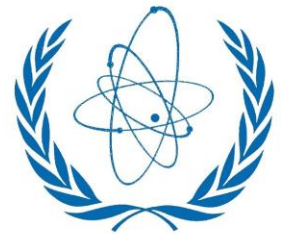


*Goal based.*

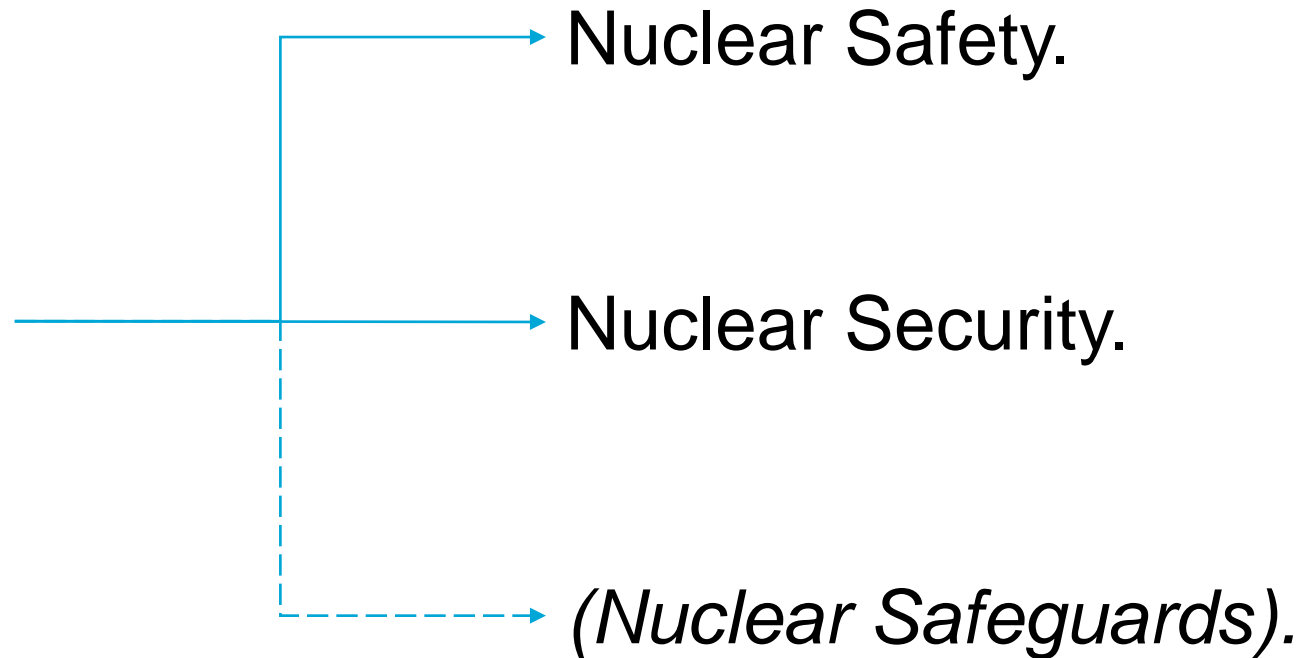
*Technology agnostic.*

Suitable for all organisations in the process.

IAEA TECDOC - gap analysis for floating nuclear power as regards:

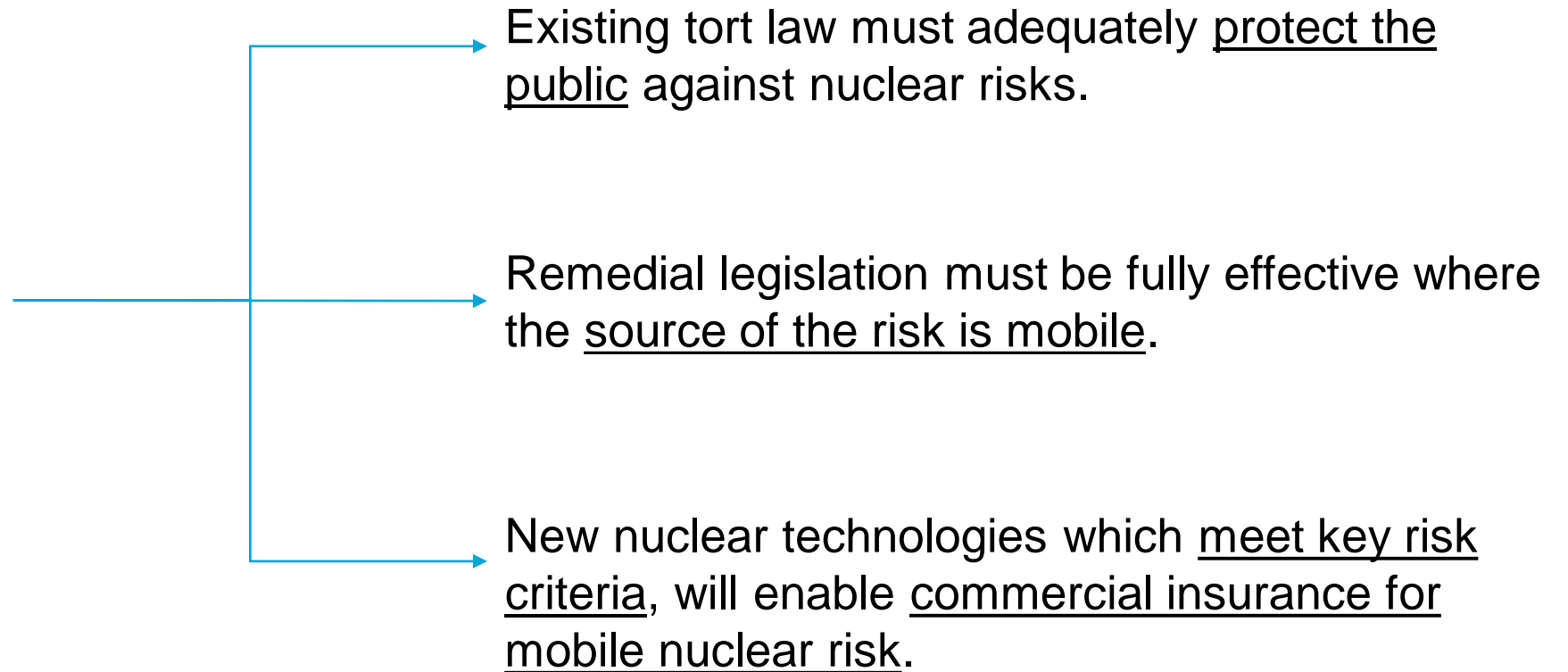


IAEA



## Key criteria for liability and commercial insurability

### Nuclear liability convention

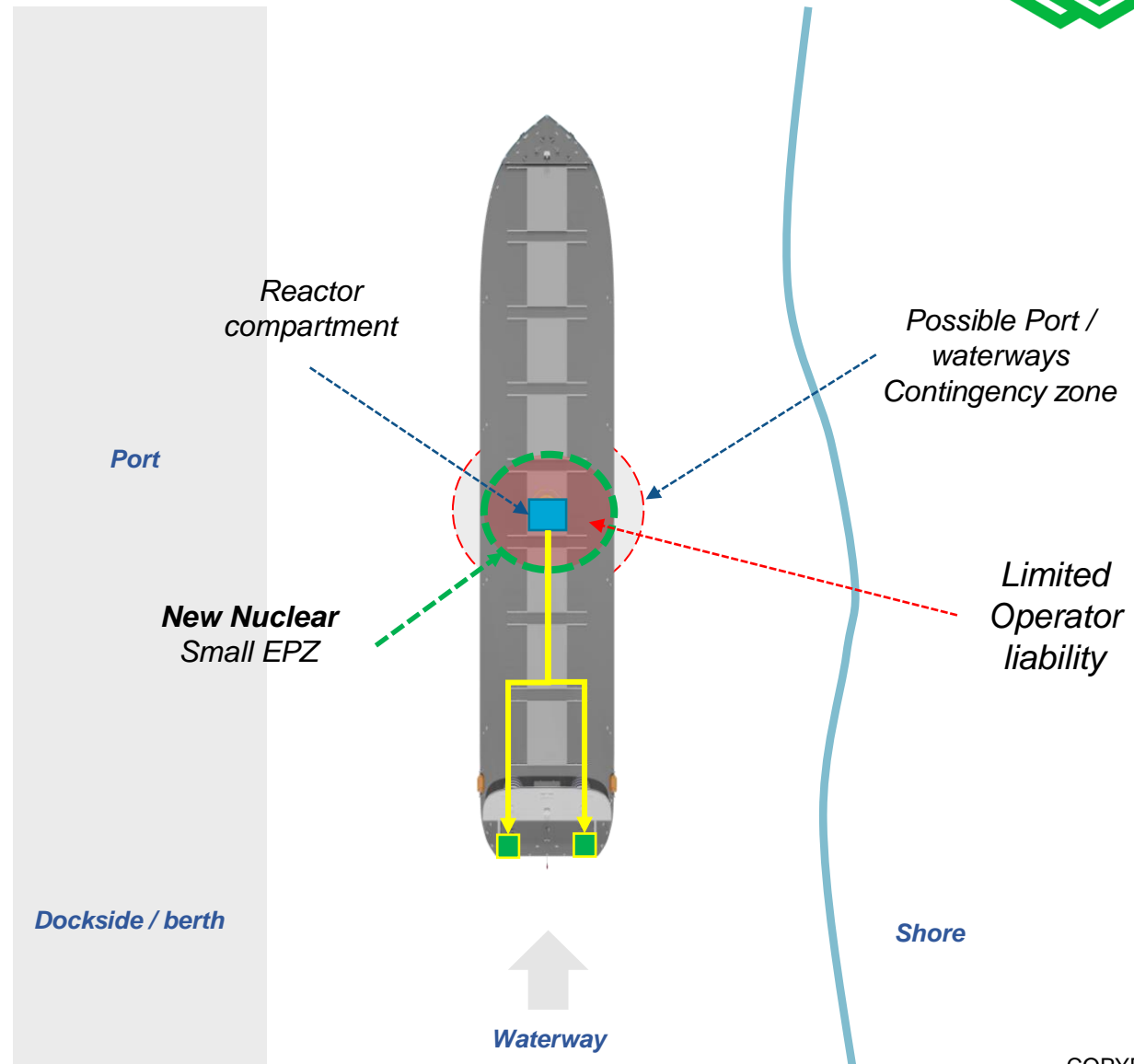


## 'New nuclear' in waterways

No-low pressure =  
Small EPZ.

Small 'mobile' EPZs =  
Easy to insure.

Nuclear electric =  
Only reactor is 'nuclear'.



## Roadmap to 2030s

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Step 1:	2024 - 2026	<u>IMO revises Res. A.491(Xii)</u> in close dialogue with the IAEA.
Step 2:	2024 - 2026	IAEA completes gap analysis of <u>standards for floating nuclear</u> in close dialogue with IMO.
Step 3:	2026 - 2028	Insurance industry use resulting unified standards as a <u>foundation for Liability Convention</u> .
Step 4:	2028 - 2030	Member states set down rules for <u>floating nuclear to transit waters, enter and operate in waterways and make port calls</u> .
The end game:	2030 +	Fit-for-purpose technology is <u>coming to market in early 2030s</u> .

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## Industry support for member states.



Voice of nuclear transport industry.

50+ members.

6 working groups including:

WNTI Marine Applications and Nuclear Propulsion Group (MANPG).

Existing NGO status at IMO and IAEA.



The voice of the nuclear mobility industry.

10 founding members (40 by end 2024)

3 Working Groups:

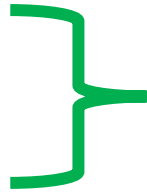
Maritime nuclear  
Nuclear maritime  
Liability.

Will apply for NGO status at IMO and IAEA.



Thank you.

Q&A



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**Please join our drinks reception upstairs afterwards.**