

The Shipping Industry and Marine Spatial Planning

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Why Shipping?



- Major impact on world economy
- Major impact on Safety and the Environment
- Do we take our Ocean role for granted?
- Shipping is flexible right?
- The storm is safety out to sea...
- High tech and precision navigation!
- Why would you need so much room?
- ▶ Etc...



Empathy for Society



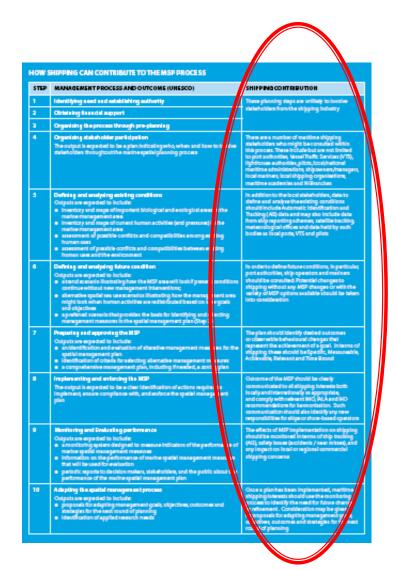
- Shipping serves society
- Society needs goods, food, energy, raw materials – and a healthy planet.
- Shipping professionals need to work with all stakeholders to specify achievable goals that can be Monitored, Evaluated, Enforced, and when necessary, Improved.
- ▶ Each instance of MSP is unique and needs to be on a case by case basis.
- Lots of shipping professionals needed!

Management Process



- Existing condition
- Future condition
- Prepare and approve MSP
- Implement and enforce
- Monitor and evaluate
- Adapt

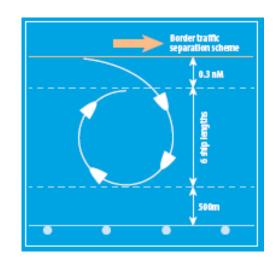


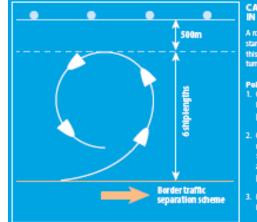


Adequate Sea Room



- To conform with COLREGS!
- Traffic avoidance
- Under Keel Clearance
- Round turns
- Heavy Weather Operations
 - Heaving to
 - Deck ops
 - Safe anchorages
- MoB & SAR





CALCULATION FOR A ROUND TURN TO PORT IN A SHIPPING LANE (SEE COLREGS 8, P13)

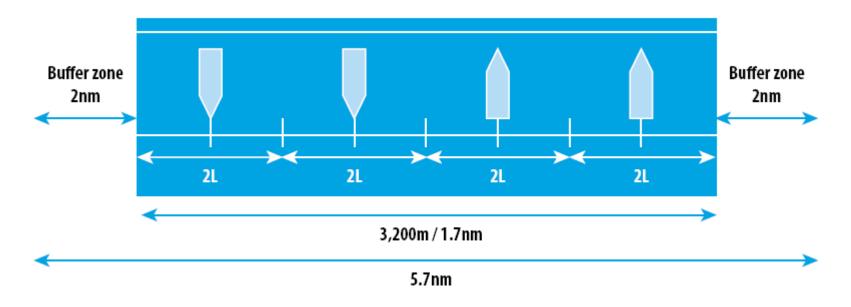
A round turn may also be made to port if, for instance, the starboard aft guarter is blocked due to an overtaking vessel. In this case, the vessel will not first deviate to port, but start a round turn right away.

Points to note:

- Quite often it happens that after making a round turn a Not Under Command situation occurs, due to mechanical problems (e.g. low oil level alarm).
- On many vessels the officer on watch will hesitate to use hard nudder - that it, to make a full round turn - at once. Passenger ships and container wassels in perficular will be very cautious about starting such a turn as it can result in a lot of damage to passengers, crew and cargo.
- Round turns are also made in case of a Man Over Board situation.

Corridor Width





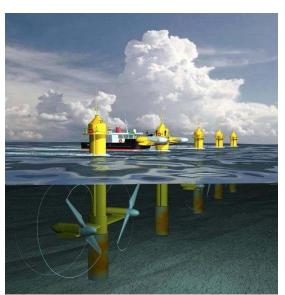
Based upon PIANC recommendations for 400m ships and a 2nm buffer zone to navigation hazard.

All MSPs are unique!

Navigation Issues



- Harmonised dissemination and portrayal of information in accordance with IMO & IHO.
- ▶ Marking in accordance with IALA (0-139)
- Visual and Radar conspicuity
- Risk assessment for traffic flows and density
- Provision of Aids to Navigation
- Traffic management
 - Issues of authority and liability...
- Traffic segregation?



Re-routeing Issues



- The IMO process
- Increased sea-miles impacts the environment
- Increased miles impacts commercial trade and JIT models.
- Re-routeing may impact port competitiveness and intermodal logistics.
- Temporal / dynamic re-routing can cause confusion

Concusion



- The seas are a world resource that need to be managed by society, sustainably.
- Shipping is a major waterways user and should engage productively and professionally.
- Working within an MSP framework offers shipping an opportunity to ensure commercial effectiveness along with sustainable safety and environmental protection.
- The NI will continue to support a professional approach for individuals and our industry.



- Visitwww.nautinst.org/msp
- Free download
- Promote within your community
- Solicit feedback
- Embrace Corporate (and individual)Ocean Responsibility!





Support of The Nautical Institute through membership and participation is very much appreciated!



Thank You

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