

## NAVIGATIONAL RISK ASSESSMENT WORKING GROUP

<b>NRAWG Date:</b>	04/05/2016	<b>Owner:</b>	Cathryn Spain	<b>NRAWG Ref:</b>	58	<b>NRAWG Title:</b>	Navigation of Large Vessels Between Gravesend and Jenningtree Point
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**Group Members:**

Name	Organisation	Name	Organisation	Name	Organisation
Cathryn Spain	PLA	Kevin Gregory	PLA		
Cerwyn Phillips	PLA	Dave Harper	PLA		
Simon Phillips	PLA				

Detail / Terms of Reference	Observation/Recommendation
<ol style="list-style-type: none"> <li>1. Review the navigational incidents recorded for the area during the last six years;</li> <li>2. Consider the relevant hydrodynamic and river environment data for the Broadnesss and Stoneness:.</li> <li>3. Consider the effectiveness of promulgation of Tilburyness data following the implementation of recommendations from NRAWG 52</li> <li>4. Review London VTS procedures and techniques Consider the scope, depth and relevance of the training of PLA Pilots and PEC holders (including simulation) in respect of the navigation of large tankers round Broadness and Stoneness, and the manoeuvring of large vessels off berths in a confined channel</li> <li>5. Confirm or otherwise, the effective of the current risk control measures established for navigation in the area in question; and</li> <li>6. Identify any recommendations associated with any of the above with a view to enhancing the safety of marine operations in the area.</li> </ol>	<ul style="list-style-type: none"> <li>• Provide PEC applicants with tidal flow charts for Tilburyness, Broadness, possibly Stoneness with their application packs</li> <li>• Publish Tidal Flow Diagrams for the area on the website</li> <li>• Issue operational letter to Pilots and VTS regarding the importance of pro-active traffic management, and maintenance of or changes to ETAs</li> <li>• Review / consider additional requirements for PEC's to cover vessels over 190m</li> <li>• Include joint Pilot / VTS simulator exercises as part of VTSO /DO training</li> <li>• Arrange for VTSOs/ DOs to trip on large vessels upriver of Gravesend</li> <li>• Introduce trial one-way working zone for any vessels over 180m with any reporting vessel around Broadness</li> <li>• Issue guidance to Pilots regarding consideration of use of accompanying tug around Broadness for tankers / bulk carriers over 200m</li> </ul>

<b>Panel Chairman:</b>	Cathryn Spain	<b>Signature:</b>		<b>Date:</b>	16.08.2016
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