



## MEIP – Report to the MACHC16 27-11-2015

To update MACHC Members on MEIP WG Progress

### Maritime Economic Infrastructure Programme – General Overview

MACHC 15	<p>During MACHC 15, MEIP Chair asked Members to give him direction on how the MEIP should be taken forward.</p> <p>At that time, demonstrator models developed by CARIS and ESRI had shown that the technology was available and that the MEIP concept could work. We were in a position to either try and move the MEIP concept forward or due to the lack of recent progress close the programme.</p> <p>After two meetings held outside of the MACHC15 plenary, the Members decided that they wanted the MEIP to continue and to start by “piggy backing” on the NOAA ENC on-line viewer.</p> <p>IC-ENC agreed to help facilitate the availability of its Members .000 files to NOAA via a secure ftp site, once they had received approval from the Member.</p> <p>At MACHC 15 James Rogers (NGA) also agreed to take up the role of MEIP Vice Chairman.</p>
Meeting 15 January 2015	<p>MEIP Chair and Vice Chair met with John Nyberg and Anthony Klemm at NOAA to start the process of taking the MACHC MEIP proposal forward.</p> <p>At this meeting we set out the following plan:</p> <ol style="list-style-type: none"> <li>1. Build instance of ENC Online on MACHC Page</li> <li>2. Load Band 1 NOAA and UKHO .000 files</li> <li>3. Build Cloud based structure</li> <li>4. Build capability to render SDI layers; a) Bathymetry b) CATZOC c) Transportation including TSS, Routes and Regulated areas d) Environmental including Regulations and MPA</li> <li>5. Ability to add non ENC data; a) Survey b) AIS c) Catalogue layer</li> </ol> <p>MEIP Chair also asked that initially any access to the system should be password protected and controlled so that only MACHC Members had access.</p> <p>NOAA undertook to discuss these options with ESRI</p>



Letter 20 March 2015	MACHC members were then sent a letter informing them that we had set up the online viewer. They were also informed of the meetings that had been held and the decision to password protect the data. The intention is for Members review the need for the password protection during MACHC16.
Follow up meetings 14 April and 7 July and MICC Conference call	Further meetings were held at NOAA to discuss the progress of the development of the online viewer. MEIP Chair was also given the opportunity to update members during the MICC Conference call that took place on 1 <sup>st</sup> July.
July Letter to Members	A follow up letter to members was sent out on 22 July 2015, that explained who had given approval for their .000 files to be included and the different layers and functions including details of the controlled access. All members not currently providing .000 files were asked to consider providing their files. It appeared that some members did not receive this letter and it was re-sent on 5 August 2015.
Netherlands Coast Guard	On 4 August the Netherlands HO asked for permission for their Coast Guard to trial the on-line viewer. The WG viewed that the NL CG were a trusted body and agreed that they could trial the viewer
MICC Conference call 21 October	The MICC Chair gave MACHC chair the opportunity to update Members on MEIP activity during the October MICC Conference call. The MS were informed of the NL Coast Guard trial.
Feedback	The NL CG provided the following feedback: <b>Does the viewer work correctly?</b> Not fully: <ul style="list-style-type: none"><li>• When we zoom in, it occasionally happens that nothing is displayed. The images return when the zoom level was decreased.</li><li>• For some reason, it is not possible to log in at some internet connections. This was not due to someone else at our office being logged in at the same time.</li></ul> <b>In what situation could this viewer be helpful?</b> <ul style="list-style-type: none"><li>• Planning and amphibic operations</li></ul>



	<ul style="list-style-type: none"> <li>• Emergency relief</li> </ul> <p><b>What could be done better?</b></p> <ul style="list-style-type: none"> <li>• Zoom function (see above)</li> </ul> <p><b>Which functionalities are missing?</b></p> <ul style="list-style-type: none"> <li>• Editing functions like MS paint, especially drawing lines and circles to plot areas of an operation</li> <li>• Integration of positions of ships and/or airplanes from an external source</li> <li>• Lat/Long function, especially if this would also be possible in projections (UTM and MGRS)</li> <li>•</li> </ul>
<p>Meeting 23 November</p>	<p>NOAA and MEIP Chair and Vice Chair met to discuss progress and TORs. It was decided that whilst the MEIP ENC on-line viewer doesn't fully meet the requirements of the TOR's, it is a big step in the right direction. As such, it is felt that we should retain the TOR's as they are as this is the aspiration of the MEIP. MS would be asked for their comments on this during MACHC16.</p>

### Summary

The MEIP has "piggy backed" on the NOAA ENC on-line viewer

We have followed the instruction given by MACHC Members at MACHC15.  
A lot of progress has been made and we have full .000 file coverage of the region, but not at large scale  
The MEIP TOR's are not fully covered but we believe that this is a major step forward to achieving the aims and objectives of the TOR's.  
We don't believe that the TOR's needs amending at this stage.  
The NL Coast Guard feedback has yet to be discussed by the group to assess what changes we would like to make.

### ACTION

The MEIP WG has achieved its objectives for MACHC15  
MACHC16 is asked to note this report and approve continuation with the population and development of the ENC online viewer.