

**10<sup>th</sup> CSPWG MEETING****Wellington, New Zealand, 21-24 January, 2014****Paper for Consideration by CSPCWG****QR codes on UK Admiralty Products**

<b>Submitted by:</b>	UK
<b>Executive Summary:</b>	UK is now adding QR codes to charts. Making chart updating Notices to Mariners easier to find makes our customers' lives easier and contributes to safety too.
<b>Related Documents:</b>	CSPCWG8 – INF3
<b>Related Projects:</b>	None

**Quick Response (QR) codes**

US advised CSPCWG8 of experiments with QR codes on charts (see CSPCWG8 INF3). At CSPCWG9 it was reported that QR codes are now appearing on various HO products, including:

- US charts, leading to real time tidal information. NOAA is engaged in a publicity campaign seeking user feedback.
- NO charts leading to NMs.
- FR INT1, leading to the digital version.
- DE are planning the use of QR codes on small craft charts, leading to updates.

This Information paper is to advise WG members of UK's new usage of QR codes on charts.

Quick Response (QR) codes are now being added to Admiralty charts (in the bottom left hand corner, alongside the NM information line). The aim is to help mariners, distributors and port state inspectors get the latest safety navigational information at the touch of a button. QR codes have already (November 2013) been added to around 1,100 Admiralty chart bases. Each week QR codes are being added to around 40 charts (new editions and reprints). Since 8 September, we have recorded 340 users, largely from China and the UK. Usage is expected to increase as QR codes are added to a greater volume of our charts and users begin to see positive impacts on time and efficiency when updating.

We would be interested to hear of other members' experiments with QR codes on charts and/or nautical publications and any user feedback.

**How do QR codes work?**

QR codes are essentially a type of barcode. Encoded into them are Uniform Resource Locators (URLs) (web addresses). Once scanned by a mobile device, the QR codes on Admiralty charts direct users to a list of Notice to Mariners (NMs) from UK's NM Web Search for that specific chart.