

ABSTRACT SUBMISSION –– SOUMISSION DE RESUME

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# ABSTRACT / RESUME:

From VTS to e-Navigation

The Maritime and Coastguard Agency (MCA) is the United Kingdom’s national competent authority for Vessel Traffic Services (VTS). Operationally, the MCA provides a VTS-Information Service (INS) and Navigational Assistance Service (NAS) for the Dover Strait Traffic Separation Scheme (TSS), known as the Channel Navigation Information Service (CNIS), and they provide INS and NAS for the Sunk VTS Area.

Like many European Union (EU) Coastguards, the MCA also provides Vessel Traffic Monitoring (VTM) throughout UK waters in accordance with the EU’s Vessel Traffic Monitoring directive. Additionally, the MCA provides the following IMO Coastguard missions; Search & Rescue (SAR), Counter Pollution, Maritime Security, Emergency Response and the provision of Maritime Safety Information (MSI).

In 2016, the MCA contracted Kongsberg Norcontrol (KNC) to provide a new VTS system for the CNIS. This paper will explain the processes that were used in the CNIS program so that a single national system could provide maritime domain awareness and a national single window from the MCA’s National Maritime Operations Centre and satellite Coast Guard Operations Centres. In the fullness of time, this single national system will provide a regional Maritime Service Portfolio (MSP) consisting of VTS, VTM, SAR, MSI, Counter Pollution, Maritime Security and Emergency Response services.

The paper being presented also addresses the human element. This includes an analysis of operator shift patterns and work-load that was the basis for the original CNIS programme to evolve into an e-Navigation programme providing a regional MSP for shipping in UK waters.





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