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ABSTRACT SUBMISSION — SOUMISSION DE RESUME

Topic No.: / Sujet n° : ---10 (VTS)---or / ou  
proposed topic / sujet proposé: THE EXPLORATION OF THE  
ESTABLISHMENT OF A PROMULGATION PLATFORM OF MARITIME  
SAFETY INFORMATION IN VTS CENTER

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## ABSTRACT / RESUME:

Currently VTS center has been equipped with various advanced systems for information collection, which means it is capable of collecting comprehensive Maritime Safety Information (MSI). However, such information is not properly categorized and fully utilized. The primary means of MSI promulgation is Information Service through traditional means of VHF radio channels. The development in communication technologies has made it possible for VTS centers to acquire the capability of exchanging MSI with different users including vessels, shipping companies and other stakeholders by providing more reliable and versatile services.

In order to enhance and explore VTS system performance and capabilities, the paper tries to identify the appropriate means and modes of MSI promulgation after the analysis of information demands of different user groups. In the end the author proposes the establishment of a MSI Promulgation Platform which not



only can integrate various hardware systems in VTS center for information collection, but also can promulgate such information to various users after information processing.

#### 中文摘要:

目前, VTS 中心已经配备了各种先进的信息收集系统, 这意味着它能够收集全面的海上安全信息 (MSI)。然而, 这样的信息没有被适当地分类和充分地利用。VTS 中心 MSI 主要发布手段仍是通过传统 VHF 进行的信息服务。通信技术的发展已经使得 VTS 中心有可能通过提供更可靠和多功能的服务满足不同用户 (包括船舶、航运公司和其他利益相关方) 的信息需求。

为了增强和探索 VTS 系统的性能和能力, 本文尝试在分析不同用户组的信息需求后, 确定 MSI 发布的适当方式和模式。最后, 作者提出建立一个 MSI 发布平台, 通过该平台不仅可以在 VTS 中心集成各种硬件系统收集的信息, 而且还可以在信息处理之后向各类用户发布此类信息。

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