

Title Abstract: Risk management in XiaZhiMen channel

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Abstract:

XiaZhiMen gateway channel is an important access to Ningbo-Zhoushan port, whose throughput capacity has been No.1 worldwide for ten years (2009-2018).The traffic flow of this gateway channel is very complicated because there are East-West bound big vessels and North-South bound fishery ships.This paper takes a research on risk management of this channle, using IALA toolbox. One is IWRAP on AIS data, the other is PAWSA for detailed observation from experts with suggestions.

The data and report could provide VTS more support during daily work and when decision making needed, which improve vessel traffic service level and help for harmony relationship among stakeholders.After analysis, the paper would offer potential solutions to reduce the administrative burden ashore.

Keywords: XiaZhiMen gateway channel, IWRAP, PAWSA, VTS