

VDES Testbed in Japan

- Trials in Tokyo Bay in Dec. 2018 -

Japan Coast Guard, ENAV Committee Chair
Hideki Noguchi

Japan Radio Co.,Ltd.
Yoshio Miyadera

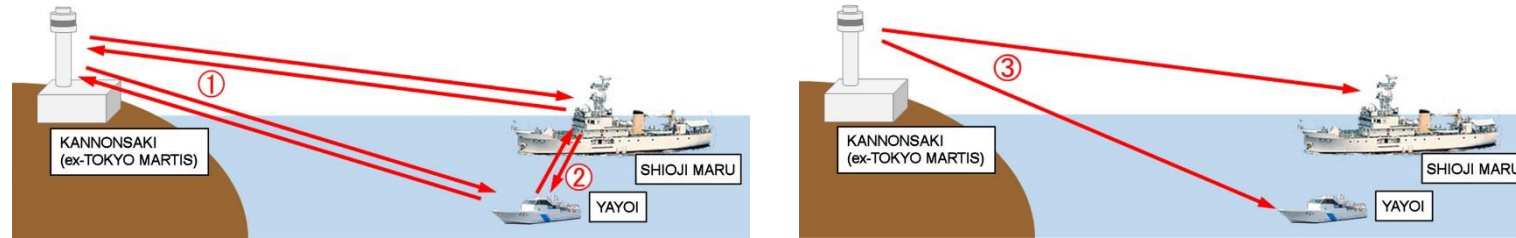
23rd Session of the e-Navigation Information Services and Communications Committee (ENAV23)
the Inter-Continental Hotel, Singapore
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1. Purpose of this Trial

Main Purpose

The purpose of this trial is to evaluate the VDES application in the real environment.

Communication Mode



① Between Coast and Ship ② Ship to Ship ③ Broadcast from Coast

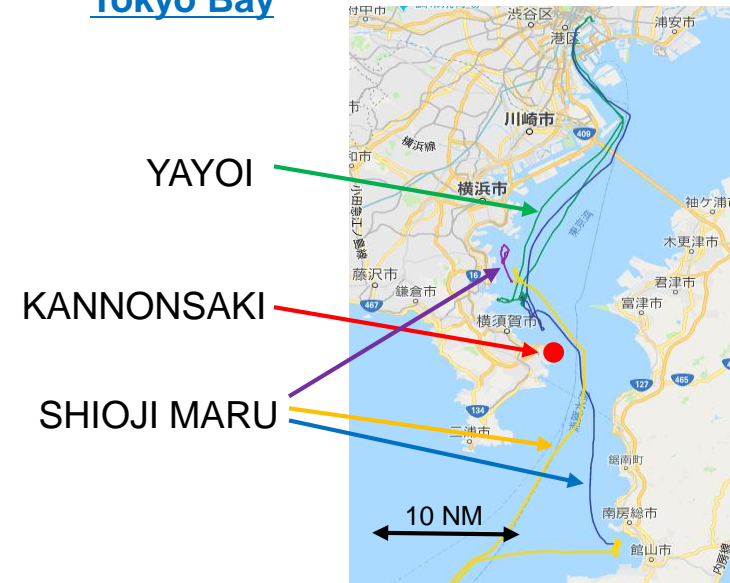
Operational Mode

- (1) as needed / singly / two-way
- (2) as needed / singly / broadcast
- (3) as needed / frequently / two-way
- (4) as needed / frequently / broadcast
- (5) regular interval / broadcast

Date of Trial

11-13 December 2018

Tokyo Bay



2. Test Scenario

Scenario

We assumed the actual operation scenario.

3 communication modes including 11 scenarios.

Com. Mode	Op. Mode	Scenario	MS	Service
① Between Coast and Ship	(1)	1	-	Chatting as an alternative to voice
	(1)	2	MS 1	VTs information service (INS)
	(3)	3	MS 2	VTs Navigational assistance service (NAS)
	(1)	4	MS 3	Traffic organization service (TOS)
	(3)	5	MS 4	Local port service (LPS)
② Ship to Ship	(1)	1	-	Chatting as an alternative to voice
	(1)	2	-	Chatting (assuming vessel overtaking)
③ Broad- cast	(1)	1	-	Text message broadcasting
	(2)	2	MS 5	Maritime safety information (MSI) Service
	(4)	3	MS 14	Meteorological information service
	(5)	4	MS 15	Real-time hydrographic and environmental information services

3. Recording of Trial

