

# The Relevance of a MASS Code for Maritime Law Enforcement (MLE)

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# **Autonomous ships and maritime security** *A double-edged sword*

reduce lawlessness at sea



enforcer MASS

augment capabilities, effectiveness and reach; reduce costs

important tool to enforce law at sea

provide criminals with cutting edge



offender MASS

perpetrators no longer on board: lowers their risks

attractive tool to commit crimes at sea

## Autonomous ships and maritime crime

The example of smuggling and trafficking offenses

## Drug smuggling: Underwater drones seized by Spanish police

By Leo Sands BBC News

3 4 July





Source: <www.bbc.com/news/world-europe-62040790>

### Autonomous ships and maritime crime

The example of smuggling and trafficking offenses



Source: <www.laserfocusworld.com/detectors-imaging/article/14281772/the-eyes-of-a-ship-part-2-ir-detection-at-sea>

#### Rules on law enforcement at sea

Assumptions on which they rest no longer met with MASS 3/4

rules on MLE assumptions



perpetrators on board

human-human encounter between suspects and enforcers at sea

direct communication exchange of documents

MASS level 3 and 4 no onboard crew assumptions no longer met

#### MASS Code does not directly deal with MLE...

... but its transversal issues are highly relevant for MLE!

master, crew, remote operator

certificates

remote-operation centres

others

#### relevance for MLE

example: visit and search

#### Master, crew and remote operator

How to hail, stop or warn a MĀSS?







#### **MASS**

new technologies and channels

#### Master, crew and remote operator

With whom do enforcers interact to hail, warn, stop a MASS?

#### traditionally

master is person "in charge" on board the ship



#### **MASS**

new allocation of tasks some actors on dry land



Who is the interlocutory of MLE authorities?

- Who performs role of master?
  - Split role of master?
  - Natural or legal person?
  - Residual on-board crew?

#### **Certificates**

#### Assumptions underlying rules on visit and search of ship

physical documents

MASS e-certificates

visit and search on board the ship

operational and security issues



Source: <a href="https://research.mysticseaport.org/item/l029400/#">https://research.mysticseaport.org/item/l029400/#>

#### **Certificates**

Virtual rather than physical visit and search?

traditionally: on board the ship



MASS: virtually?



safeguards

when: suspicion

what: not more

who: authorized



markings, uniforms, IDs

## Remote operation centre and remote operator

How to ensure effective jurisdiction?

shift from sea to land



offender ship has no crew



patrolling naval
state cannot
question/arrest



genuine link

enforcement jurisdiction only if seat/operations of ROC/RO in its territory



cooperation with flag state necessary

#### IMO MASS Code does not address MLE directly...

... but deals with issues highly relevant for MLE!



Source: <a href="https://s29755.pcdn.co/wp-content/uploads/2019/06/The\_future\_autonomous\_1.jpg">source: <a href="https://s29755.pcdn.co/wp-content/uploads/2019/06/The\_future\_autonomous\_2.jpg">source: <a href="https://s29755.pcdn.co/wp-content/uploads/2019/06/The\_future\_autonomous\_2.jpg">source: <a href="https://s29755.pcdn.co/wp-content/uploads/2019/06/The\_future\_autonomous\_2.jpg">source: <a href="https://s29755.pcdn.co/wp-content/uploads/2019/06/The\_future\_autonomous\_2.jpg">source: <a href="https://s29755.pcdn.co/wp-content/uploads/2019/06/The\_future\_autonomous\_autonomous\_autonomous\_autonomous\_autonomous\_autonomous\_autonomous\_autonomous\_autonomous\_autonomous\_autonomous\_autonomous\_autonomous\_a



# Thank you very much for your attention!