





RPAS Operations on board EFCA chartered vessel

**Cooperation between EFCA
and EMSA**

2nd RPAS User group meeting 30 Sep 2019

EFCA operational capacity

is available for Multipurpose Operations in cooperation with FRONTEX, EMSA and Member States relevant authorities in its support to coast guard functions

Primary

 Fisheries inspection and control

Support role

-  Search and rescue
-  Border Control and Customs control
-  Law enforcement
-  Maritime environmental protection and response
-  Maritime monitoring and surveillance
-  Maritime safety
-  Maritime accident and disaster response

Why to use RPAS?

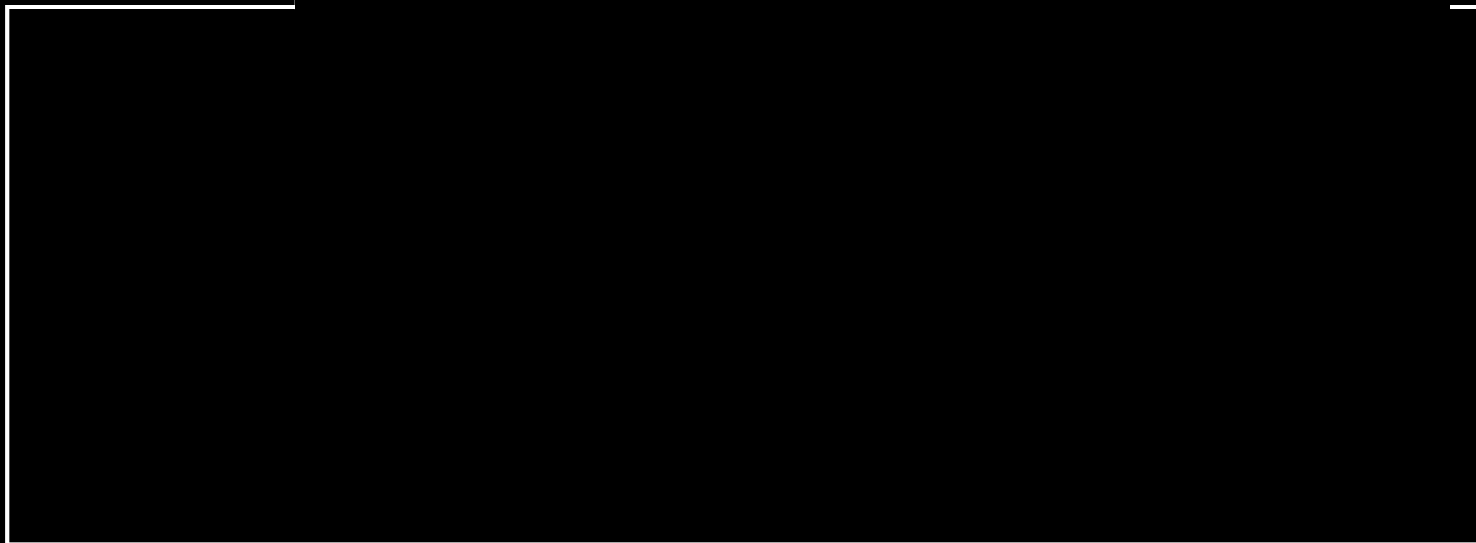
- **Improve the Maritime Picture:**
 - ✓ Detect and record fishing activities carried out by vessel not transmitting transponder signal.
 - ✓ Reduce manned aircraft operations in unfair conditions e.g. weather, airspace (increase flight safety)
- **Close range analysis of fishing vessels (in vicinity of the EFCA vessel)**
 - ✓ Pre-boarding, boarding and post boarding analysis
 - ✓ Improve decision making and targeting before boarding
 - ✓ Minimise unknown risks during boarding operations
 - ✓ Keep the target fishing vessel under close monitoring during notification, boarding, inspection and after having left the fishing vessel

First experience on board

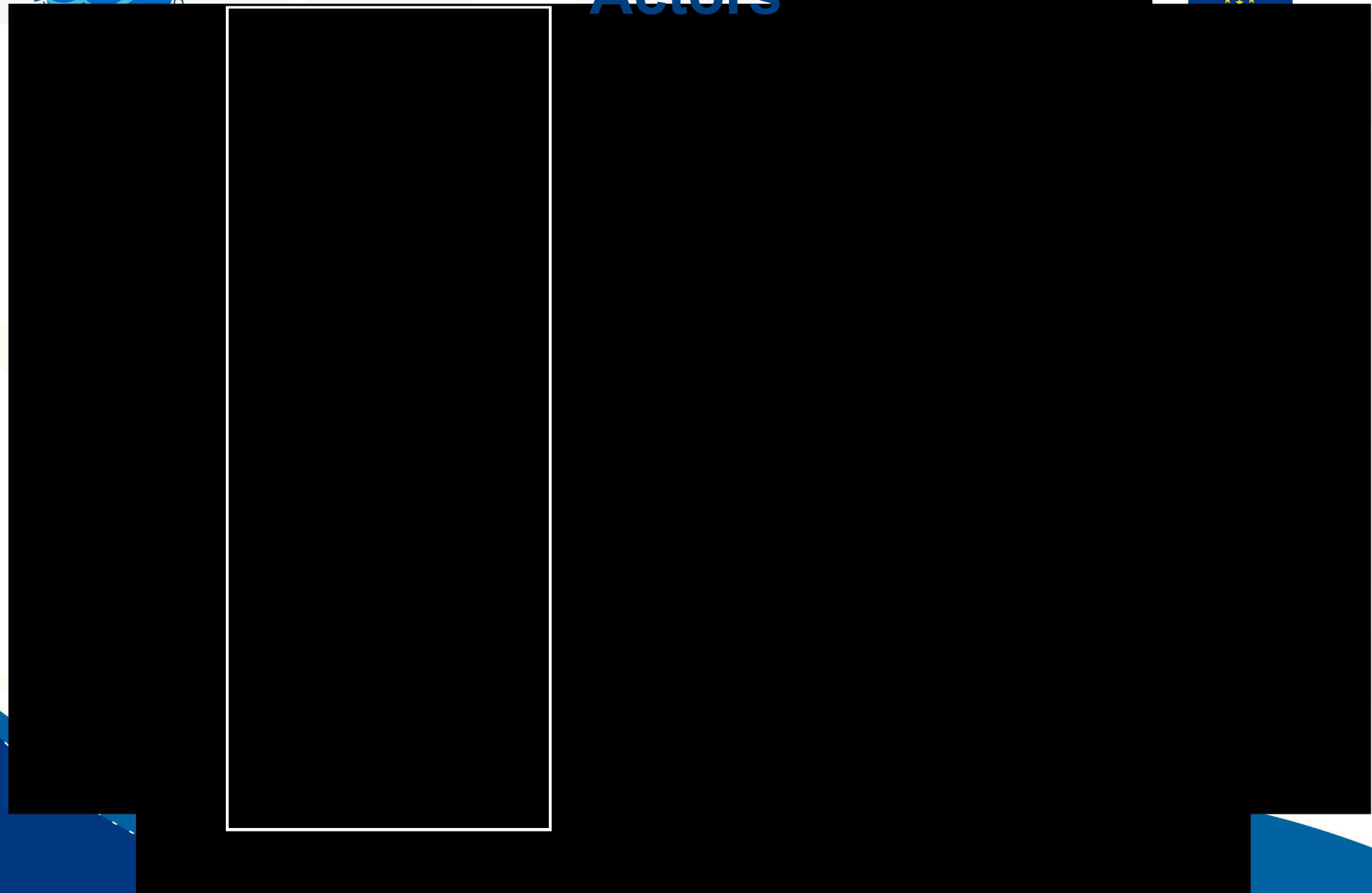
- Cooperation EMSA - EFCA



- Dates: 1 – 14 September 2019
- Area: Central Mediterranean Sea
- The RPAS:

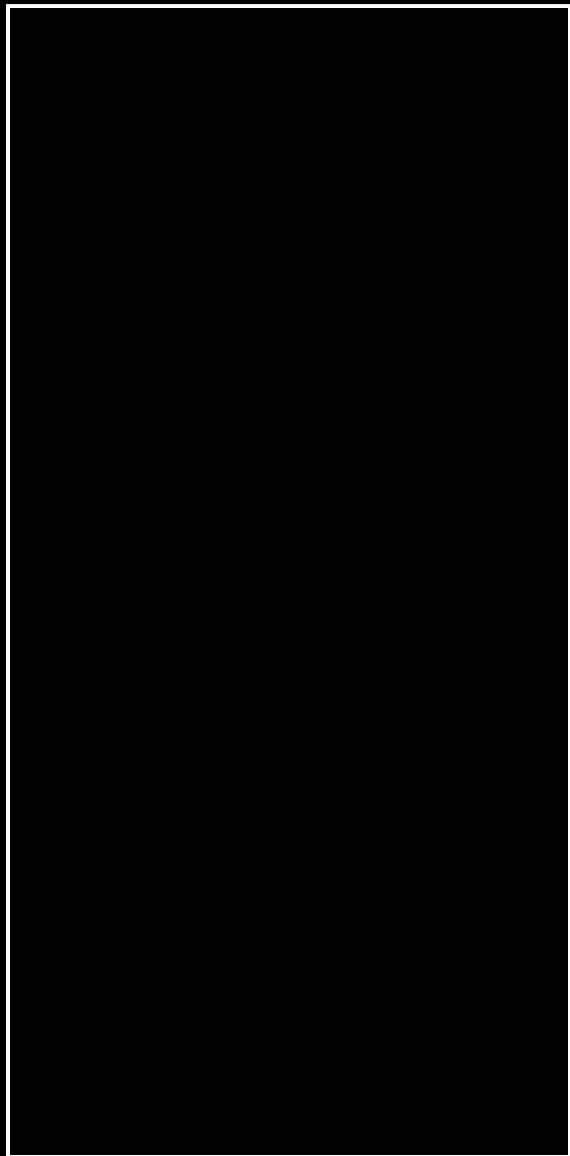


Actors



Procedure (1/2)

Procedure (2/2)



Images MAX Zoom

Operational considerations (1/2)



System used for close range **analyse of fishing vessels in vicinity the EFCA chartered vessel**

Operational considerations (2/2)

- Very good picture quality
- RPAS unlikely to be detected if at [] from target
- Range:
 - Technical Range is [] or [] – licence range is [] outside TTW
 - Speed is []
 - E.g. Fishing Vessel at [] from mother vessel
 - Intercept distance: [] at [] to return
 - So endurance of [] on target
- Meteo constraints:
 - [] slight rain
 - Turbulence at the deck height
- There is a need for documented procedures

Thank You!

**Excellent cooperation between
EMSA – EFCA - _____**

