Cost and Operational Effective Surveillance Solutions at Maritime Domain

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FRONTEX MANDATE – AIMING TO PROVIDE ADDED VALUE

Frontex:

• supports MS for efficient, high and uniform level of border control

• coordinates EU measures to jointly respond to exceptional situations at EU external borders

• develops capacities as combined instruments to tackle irregular migration flows and cross-border crime at EU external borders

• cooperates with non EU countries based on Working Arrangements
In total, during 2014 joint maritime operations 708 suspected facilitators apprehended.

155 674 people rescued involved in 1434 SAR cases.

Over 53 tons of hashish/marihuana, and 33 kg of cocaine seized.

The intercepted contraband of 19 million cigarettes.

7 cases of possible sea pollution.

2 cases of possible illegal fishing.
COST EFFECTIVE MANAGEMENT OF ASSETS
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<table>
<thead>
<tr>
<th>Resource Type</th>
<th>Cost per hour</th>
<th>Cost per day</th>
<th>Cost per month</th>
</tr>
</thead>
<tbody>
<tr>
<td>Airplane (total)</td>
<td>€3,743</td>
<td>€11,814</td>
<td>€354,420</td>
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<tr>
<td>Short range airplane</td>
<td>€2,489</td>
<td>€6,745</td>
<td>€202,335</td>
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<tr>
<td>Long range airplane</td>
<td>€4,652</td>
<td>€16,755</td>
<td>€502,635</td>
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<td>Helicopter</td>
<td>€2,190</td>
<td>€5,281</td>
<td>€158,415</td>
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<td>OPV</td>
<td>€704</td>
<td>€10,067</td>
<td>€302,010</td>
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<td>CPV</td>
<td>€640</td>
<td>€3,146</td>
<td>€94,365</td>
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<td>CPB</td>
<td>€223</td>
<td>€1,375</td>
<td>€41,235</td>
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<td>TVV</td>
<td>-</td>
<td>€1,666</td>
<td>€50,000</td>
</tr>
</tbody>
</table>
Huge operational areas to be covered (apprx. 1500 NM of irregular migration interest)

Average cost - 800 EUR per NM for 75% detection of targets

438 000 000 EUR for covering operational areas (21 000 000 EUR available)

Incident driven v.s. patrolling driven operations (difference in scale of costs)

Cost-effective management of assets
ENHANCED COORDINATION NEEDED AT NATIONAL AND INTERNATIONAL LEVEL

Solutions:
• Establishment of NCC/ICC/LCC for JO’s
• Joint Coordination Board with participation of involved authorities on daily basis
• High operational effectiveness (most of targets detected at sea)
• Cost effective management
FRONTEX OPERATIONAL CONTRIBUTORS

Participants of Frontex joint maritime operations

• Law enforcement authorities

• SAR authorities

• Environmental protection authorities

• Customs

• Fishery control authorities

• Armed forces
CHALLENGES IN THE FLEET MANAGEMENT AT THE SEA JOINT OPERATIONS
Law enforcement and civilian domain

Main challenges:

• Different methodology
• Different training
• Different interpretation of international conventions
• Non compatible technologies

Solutions:
• EPN
• ECGFF
• BSRBCC
• BSCF
OUR SURVEILLANCE EQUIPMENT - WHY WE ARE NOT COMPATIBLE?

• At national level (authorities) – mostly not
• At EU level and international level – not

Why?

• Lack of willingness
• Lack of mechanism (standardization)
WHAT IS THE STATE OF PLAY AT EU LEVEL IN LAW ENFORCEMENT AND CIVILIAN MARITIME DOMAIN?

- No central coordination
- Many different projects supported at EU level
- Competition of companies (private sector)
- Directions:
  - industry driven solutions
  - end users solutions (highly required products)
SUGGESTED STRATEGY FOR LAW ENFORCEMENT AND CIVILIAN SECTOR

- What are our needs?
- What is offered for common use (joint activities)?
- Development of compatibility for common use (end users – industry)
- What is missing (end users)?
- What are the priorities (end users)?
- Development of standardization (e.g. STANAG)
- Clear request to be delivered to industry
EXISTING INFRASTRUCTURE IN FRONTEX

- EPN
- OPERA
- OMNTE
- EUROSUR
- Compatibility workshops
- Standardization (e.g. FCOI, FPS, etc.)
- Cost effective v.s. operational value
- secure video/audio transfer
- enrichment of situational picture
- compatibility of assets
FRONTEX POSITIONING SYSTEM

- enrichment of situational picture by real time data
- assets' financial management
- secure transfer of data
- compatibility
Thank you for your attention!

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