



Current RTD activities in the field of UAV (DG ENTR)

- Study tendered on 2/1/2008, OJ 2008/S 1-000069
Awarded to Frost & Sullivan Ltd (UK) May 2008, 5 months duration
Marko.Lukovic@frost.com
- Security Research Call 2 (FP7-SEC-2009-1 deadline Dec.4th)
2 Topics of interest to UAV community



Study analysing the current activities in the field of UAV

First Element: Today

“Where are we – the industrial/economical/political situation in Europe and international interdependencies”

- Coverage of both civil and military sector (taking in consideration related work of Commission, EDA, etc.)
- Analysis of market potential;
- Description of political situation concerning use and production of UAVs in respect of national, European and worldwide authorities;
- Description of the status of the social acceptance of UAV use.

http://ec.europa.eu/enterprise/security/doc/uav_study_element_1.pdf



Study analysing the current activities in the field of UAV

Second Element: Way forward

“What vision can be drawn for Europe in this technology domain and what needs to be done to make it happen”,

Accounting for political changes in the EU security/defence environment, keeping a dual focus on applications of UAV Technologies, in terms of:

- Current and future Market situation;
- Today/future civil/security user requirements;
- Future required regulations and procedures;
- Possible options and measures for Government (national/EU) and industry.



Security Research Call 2 Topic SEC-2009.3.2.2: Sea border surveillance system

INTEGRATED PROJECT

Indicative Total cost 10-25 M€, EC funding >3.5M€, Duration ~ 4 years

Outcome expected: an integrated and cost-effective sea border surveillance system capable of providing accurate situational awareness, including early identification of threats and illegal actions.

Networking of relevant (heterogeneous) sensors, sensor networks and other information sources. Sensors can be land based, vessel based, airborne (also unmanned platforms), underwater or space borne.

Specific goals to improve:

- monitoring of vessel movements (including non-reporting ones) on the EU sea border,
- confirmation of the identity of reporting vessels and detection,
- vessel tracking and classification,
- detection of small vessels,
- detection of suspicious behaviour (e.g. deviations from expected routes),
- understanding of intentions of the vessels,
- early identification of potentially threatening situations.



Security Research Call 2 Topic SEC-2009.3.4.1 **Continuity, coverage, performance (incl. UAV), secure data link**

Funding scheme: Coordination and Support Action (up to 1 M€ EC contr)

Task: to develop an open architecture for the operation of unmanned air-to-ground wide area land and sea border surveillance platforms in Europe.

Architecture should be based on developing concepts and scenarios for surveillance and the developing legislation for insertion of UAS into controlled civil airspace in Europe.

The nature of non-military use of UAV requires cost efficient solutions.

Maximum use should be demonstrated of ongoing initiatives in Europe (and beyond).