

CALL FOR PAPERS

EDA - INDUSTRY EXCHANGE PLATFORM ON RPAS AIR TRAFFIC INSERTION (ATI)

The EU global Strategy states that “A solid European defence, technological and industrial base needs a fair, functioning and transparent internal market, security of supply, and a structured dialogue with defence relevant industries.” At the last European Defence Agency’s (EDA) Ministerial Steering Board on 18 May 2017, Defence Ministers endorsed EDA’s revised approach towards establishing a structured dialogue and enhanced engagement with industry based on a set of priority actions. These priorities will guide the 2017-2018 activities of EDA in relation to industry.

In the RPAS ATI domain, the 18 March EDA Steering Board in Capability Directors format has stressed the need for a concrete dialogue between all relevant stakeholders (Commission, EASA, SJU and EUROCAE), and in particular between industry participating in SESAR 2020 and industrial consortia contributing to the different RPAS ATI R&D projects at EDA, with the aim to seek and exploit synergies between civil and military RPAS ATI related activities. A harmonised and streamlined approach amongst all stakeholders involved, providing for the combination and consolidation of civil and military resources, would indeed be cost-effective and efficient.

In response to the tasking of the EDA Steering Board and to complement the initiatives taken so far, EDA has established an EDA- INDUSTRY EXCHANGE PLATFORM ON RPAS ATI, focussed initially **on large tactical and MALE RPAS**, which held its kick-off meeting the 10 July at EDA.

OBJECTIVE OF THE INDUSTRY EXCHANGE PLATFORM

The purpose of this Exchange Platform is:

- To establish a regular dialogue with industry on a key priority: MALE RPAS integration in the European ATM system in the 2025 – 2030 timeframe;
- To share information on current R&D initiatives and strategies also on industry side in the RPAS ATI domain;
- To identify technology gaps and solutions that can benefit both civil and military applications.

Over time, the scope of the Exchange Platform could be progressively enlarged based on lessons learnt and emerging further needs, but this will not be a forum for discussing commercial aspects of current systems.

As announced during the kick-off meeting, the initial scope and membership of this Exchange Platform will be based on the responses received to the questions included in this call for papers.

QUESTIONS

1. **What are the main barriers to overcome and the enablers for the RPAS integration in the European ATM system?**
2. **How would you prioritize the development of R&D solutions to address the existing technology gaps and why?**
3. **Please elaborate on ongoing and/or planned activities within your organisation that you consider relevant for RPAS ATI, and particularly for military platforms.**
4. **What type of financial and/or contractual set-up (e.g. Public Private Partnership or other) is your company ready to undertake in support of collaborative R&D projects for RPAS ATI and to what purpose?**

INSTRUCTIONS

Answers should be limited to 1500 words for all questions together, though length will not be used as an exclusionary criteria. They should not contain commercially sensitive information. Answers will be made available as supporting material for the next Industry Exchange Platform meeting.

Please send the paper to the EDA by e-mail to cps@eda.europa.eu with a copy to Mr. Juan Ignacio DEL VALLE, CPS Project Officer Air Programmes (juanignacio.delvalle@eda.eurora.eu) by the **29th September 2017**. The Call for Paper is also available online on the EDA website

Please clearly indicate a point of contact inside your company to coordinate participation in the November workshop and successive participations. Any questions may be addressed to Mr. Juan Ignacio DEL VALLE by e-mail.

The EDA will assess the papers according to the criteria below while also striving to select a broad spectrum of representatives to ensure as fair, objective and balanced a discussion as possible. Responses from national research centres as well as commercial actors will be considered.

ELIGIBILITY CRITERIA

European- Submitters must represent European defence industry or European defence industrial interests (in the case of research institutes) and be active in the area of RPAS.

Credibility - Lack of defence expertise will not be a criterion for exclusion but interested commercial actors must have a demonstrated track record of output and an effective market presence of RPAS in civil area.

Versatility – Submitters should be well versed in RPAS technology however participation is not limited RPAS manufacturers and systems integrators and submissions from SME's are encouraged.

EVALUATION CRITERIA

Relevance – The focus is integration in the European Air Traffic Management system only (Accommodation and/or full Integration phases). Concepts such as VLL, UTM or U-space are out of the scope and should be only be addressed when impacting the operation within the ATM system (e.g ATM/UTM interface).

Clarity and comprehensiveness – i.e. How different aspects are articulated with each other. Ability to include answers in the broader context. Answers should address all related technology aspects (e.g. CNS, spectrum management, specific sensors).

Ambition – Added value to the RPAS ATI domain and approach to bridge R&D to final solutions (industrialisation).