

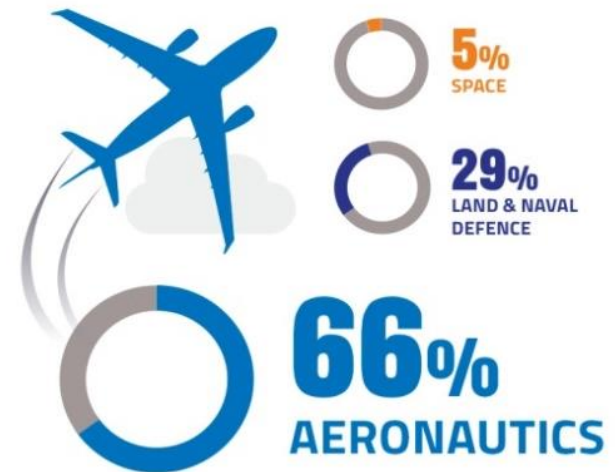
RPAS activities 2015 and next ASD Expectations

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About ASD

- **The AeroSpace and Defence Industries Association of Europe (ASD)** represents the aeronautics, space, defence and security industries in Europe;
- ASD's membership is composed of 16 major European aerospace & defence companies and 27 member associations in 20 countries;
- ASD provides a single platform for the development of joint positions for the industries it represents;
- In 2013, the 3000+ ASD Companies employed more than 777,000 people and generated a turnover of €197.3 billion, counting on more than 80 000 suppliers;
- Total R&D in 2012: 20 billion euros;





ASD and the RPAS definition phase

□ ASD recalls active contribution on:

- The EDA study Air4All performed by industry in 2008 and 2009 and other studies formed the first basis for the gaps and established the initial ideas of a roadmap for integrating RPAS into the airspace.
- The launch and development of EDA studies and project such as MIDCAS, SIGAT... etc. necessary to cover the identified gaps
- The European High Level Unmanned Aircraft Systems (UAS) Conference in 2010
- The EU RPAS workshops in 2013 and the generation of the European RPAS roadmap.
- The establishment of the ICAO UAS WG which later became the RPAS panel in 2014.
- The definition phase and the formation of the implementation steering group.
- The establishment of the EASA Ini RPAS to undertake rulemaking which was supported by industry
- And more...

A lot has been done but we have not yet reached the goal!



ASD and the RPAS definition phase

□ ASD considers:

- The RPAS definition phase deliverables (7 DOW's) as the good basis for the R&D to be performed to integrate RPAS in non-segregated airspace,
- RPAS R&D should address all types of RPAS, civil and State, non-depending of the weight,
- Of utmost importance to ensure consistency and time is synchronisation between regulatory, R&D and standardization approaches,
- The level of EC co-financing resources should reflect the EC political commitment ,
- To move towards to the next phase due to implement the Roadmap allowing to fly the RPAS products in non-segregated airspace without any delay and with an appropriate control.



ASD and the RPAS Roadmap 1/2

□ Therefore ASD actively supports:

- SESAR as a critical program to close remaining R&D gaps
- Launch an “SESAR RPAS Market Study” with an external consultancy and active industry contribution to size the RPAS opportunity for Europe (i.e., the business case),
- Integrating RPAS R&D into SESAR 2020 WBS with specific projects and budget dealing to address RPAS issues: e.g. D&A, C2, contingency, airspace/airport access,
- Integrating RPAS R&D into SESAR 2020 ATM Master Plan in order to ensure delivery of overall R&D results, in accordance with main capability phases for VFR, IFR and BVLOS IOC and FOC (ASBUs) (European RPAS R&D Roadmap),
- To enforce the recent establishment of an RPAS steering/coordination group composed of all the relevant RPAS actors to ensure and control a consistent development of the RPAS Roadmap, regulatory framework, R&D and standardization activities,



ASD and the RPAS Roadmap 2/2

- Further EDA initiatives (technical topics from JIP RPAS) such as ERA - Enhanced RPAS Automation assuring the necessary coordination in accordance to the roadmap objectives,
- The need to allocated adequate resources in the competent European Authorities to develop the regulation with an active manufacturing industry involvement and contribution,
- The continuation of the EUROCAE Working Groups.



Thank you for your attention