



EDA RPAS activities

Overview from an ATI standpoint

RPAS Programme coverage

		MICRO	MINI	SMALL	TACTICAL	MALE	HALE	UCAV
SYSTEM	<i>R&T</i>							
	<i>Development</i>							
	<i>Acquisition</i>							
	<i>Certification</i>							
	<i>Maintenance</i>							
	<i>Upgrades</i>							
TRAINING	<i>Pilot</i>							
	<i>Operator</i>							
	<i>Maintenance</i>							
LOGISTICS	<i>Sharing spare parts</i>							
OPERATIONS	<i>Air traffic insertion</i>							
	<i>Vulnerability</i>							
	<i>Spectrum availability</i>							
	<i>Crew licensing</i>							
	<i>Cross border activity</i>							

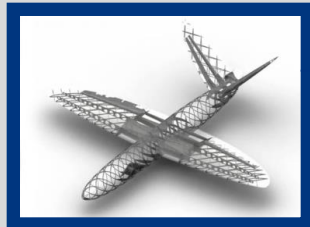
The EDA RPAS Programme

Continuity & Coherence in RPAS activities

Involvement of Member States on a voluntary basis



Military RPAS
Certification



Future RPAS
payloads,
airframes
& datalinks



RPAS
Air Traffic
Insertion



MALE RPAS
operational
support



Future MALE
RPAS programme

Certification of Military RPAS



- ✓ Support the harmonization of national certification processes of military RPAS among our Member States
 - ✓ To lower certification costs / facilitate mutual recognition
- ✓ Synergies with EASA and EC



- ✓ Stocktaking of existing national processes and references
- ✓ Common terminology
 - Agreed classification of RPAS for AW certification
 - Common safety objectives
- Adaptation of existing European Military Airworthiness Requirements documents (EMARs)
- Production of additional reference documents where needed

RPAS Air Traffic Insertion



- ✓ Clarify the regulatory framework military RPAS will have to comply with to fly in non segregated air space
- ✓ Contribute to technical solutions to meet future requirements
- ✓ Connected to EDA's role in SESAR Deployment (EC, SESAR JU, ECTRL, NATO)



- ✓ Joint Investment Programme RPAS ATI = interaction with Member States
 - Monitor ongoing activities / Start new projects
- ✓ Collaborative R&T projects with a standardization objective
 - **Sense & Avoid** (MIDCAS)
 - Final results mid 2015
 - **Automatic take-off & landing + emergency recovery** (ERA)
 - Activity to start early 2015
 - **SATCOM data-links demonstration** (DESIRE II)
 - Offers received (ESA procurement) interact

European MALE RPAS Users Community



- ✓ Develop collaborative activities among Member States operating military Medium Altitude Long Endurance RPAS
 - ✓ To lower national operating costs / Improve interoperability



- ✓ Shared lessons learned on MALE systems operations
 - Exploration of collaborative activities on training & exercises
 - MALE ATI regulatory framework considered
 - Harmonized training syllabus
 - Collaborative training facilities /process

Next generation European MALE RPAS



- ✓ Provide Member States' decision makers with information needed to reach a decision to engage in development of a collaborative programme
- ✓ Operational Capability by 2020-2025



- ✓ Harmonization of pMS military needs
 - Supporting the ongoing collaborative pMS activity
 - ATI issues will be addressed
- Harmonized detailed requirements
- Scenario for an economically viable solution (timescale, life-cycle costs, performances, procurement regime, cooperative mechanisms, technological challenges, risks, ...)



Thank you for your attention!