



German Military
Aviation Authority
(DEU MAA)

THE GERMAN APPROACH TO UAS OPERATION



BUNDESWEHR

- Helicopter civ/mil
- Aeroplane civ/mil
- Inspector Civil Aviation Authority
VO (EU) 1178/2011
- REP UAS
- Dipl. Computer Scientist
- General Staff Course
- Commander Aviation Btl nat/int
- Ministry of Defence



UA in the Air

- military needs
- safety in aviation



UA in the Air

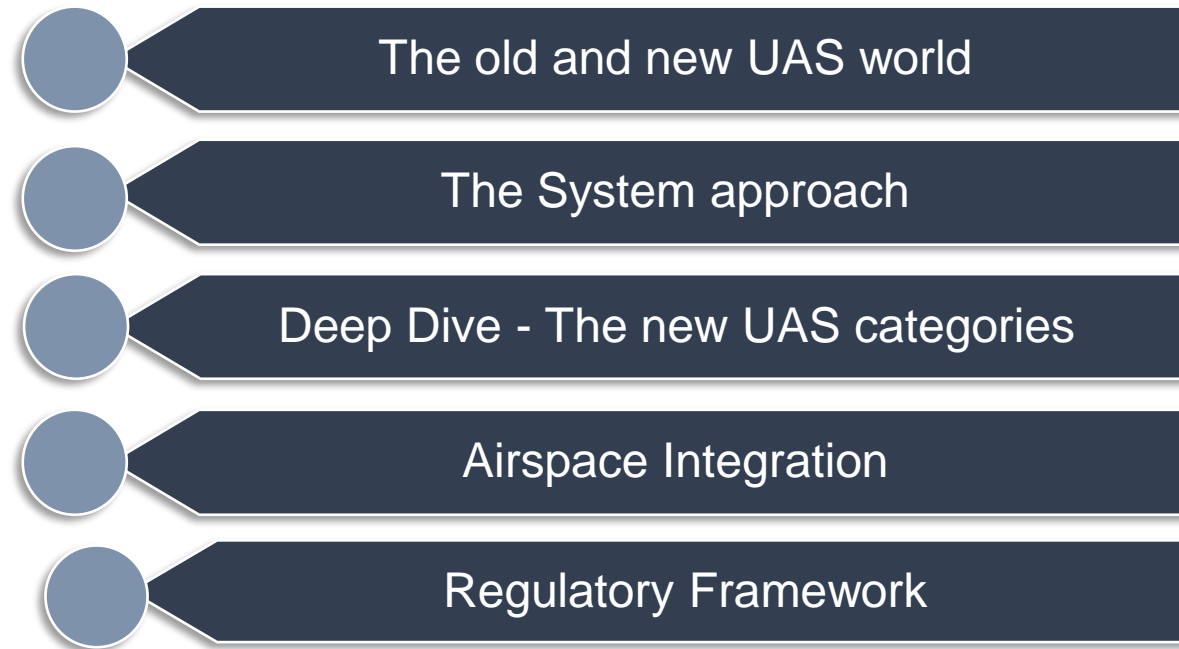
- military needs
- safety in aviation



UA in the Air

- military needs
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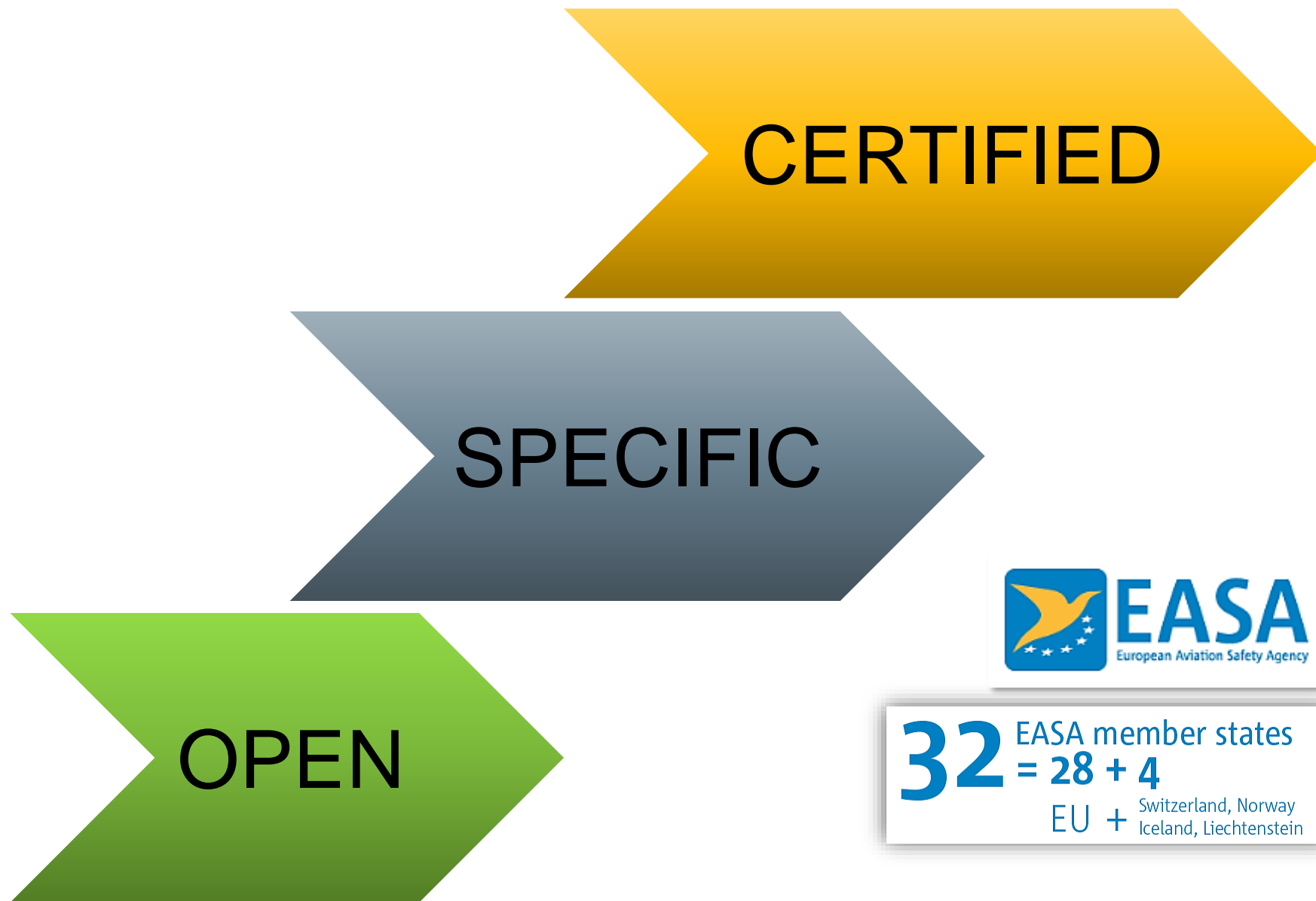




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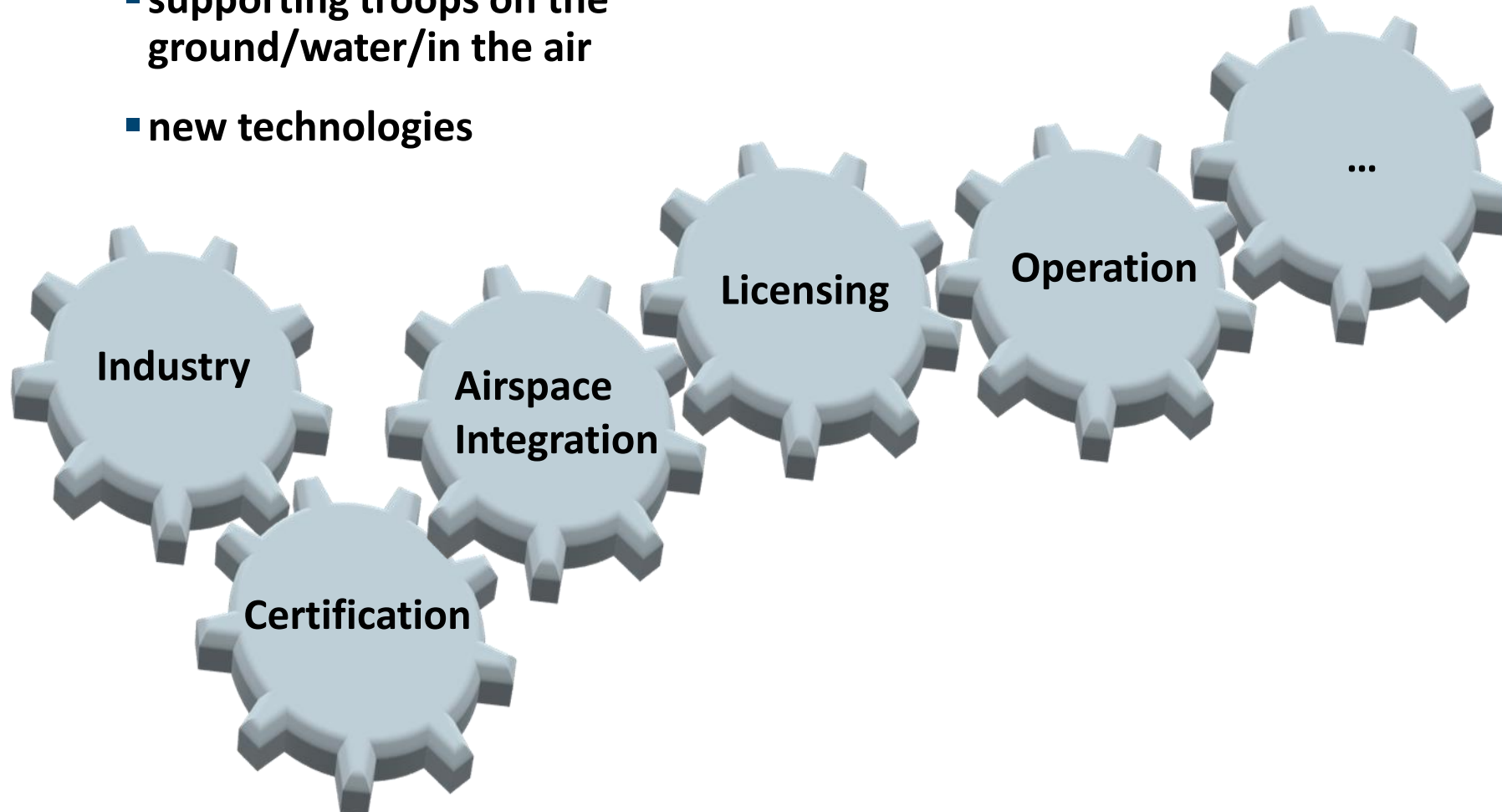


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THE SYSTEM APPROACH








- risk based approach
- comparable with EU regulation
- supporting troops on the ground/water/in the air
- new technologies




OPEN

	I a	I b	I c
 UA charac	≤ 250 g	≤ 4 kg	≤ 25 kg
GND cond			
Airspace			120 m 
Ops mode	 VLOS, EVLOS		
Airworthiness Inspection	Documentation / Manual		
Remote Pilot Competence	Similar to EASA requirements		

SPECIFIC

	II a	II b	II c
 UA charac	Prototype/ SysDem	≤ 25 kg	≤ 200 kg fixed ≤ 300 kg
GND cond			
Airspace	 ED-R		 ED-R
Ops mode			
Airworthiness Inspection	„remain in area of operation“	adjusted to ConOps and UAS complexity	
Remote Pilot Competence	adjusted to ConOps and UAS complexity		

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	III a	III b
UA charac	⊘	
GND cond	⊘	
Airspace	ED-R	⊘
Ops mode	⊘	
Airworthiness Inspection	Full Type Inspection	
Remote Pilot Competence	Licence	

- **A1-270/4-8901 Unmanned Aircraft Systems in the Bundeswehr**
- **Release/Certification of UAS in the Bundeswehr**
- **Flight operations of UAS in the Bundeswehr**
- **Licensing for UAS personnel in the Bundeswehr**
- **Design/Production/Maintenance Organisation requirements**



New risk based regulatory framework for UAS in the Bundeswehr

- Release / Certification
- Flight Operations
- Licensing
- Design/Production/Maintenance

- **future proof**
- **takes into account safety objectives of EASA and corresponding EU regulations**
- **ensure interoperability**
- **takes into account national military interests**

WE ARE SUPPORTING OUR TROOPS

