EUSCG
U-space standardisation activities

5 November 2020

Technical standards to support

U-space implementation Workshop

European UAS Standards Coordination Group - EUSCG
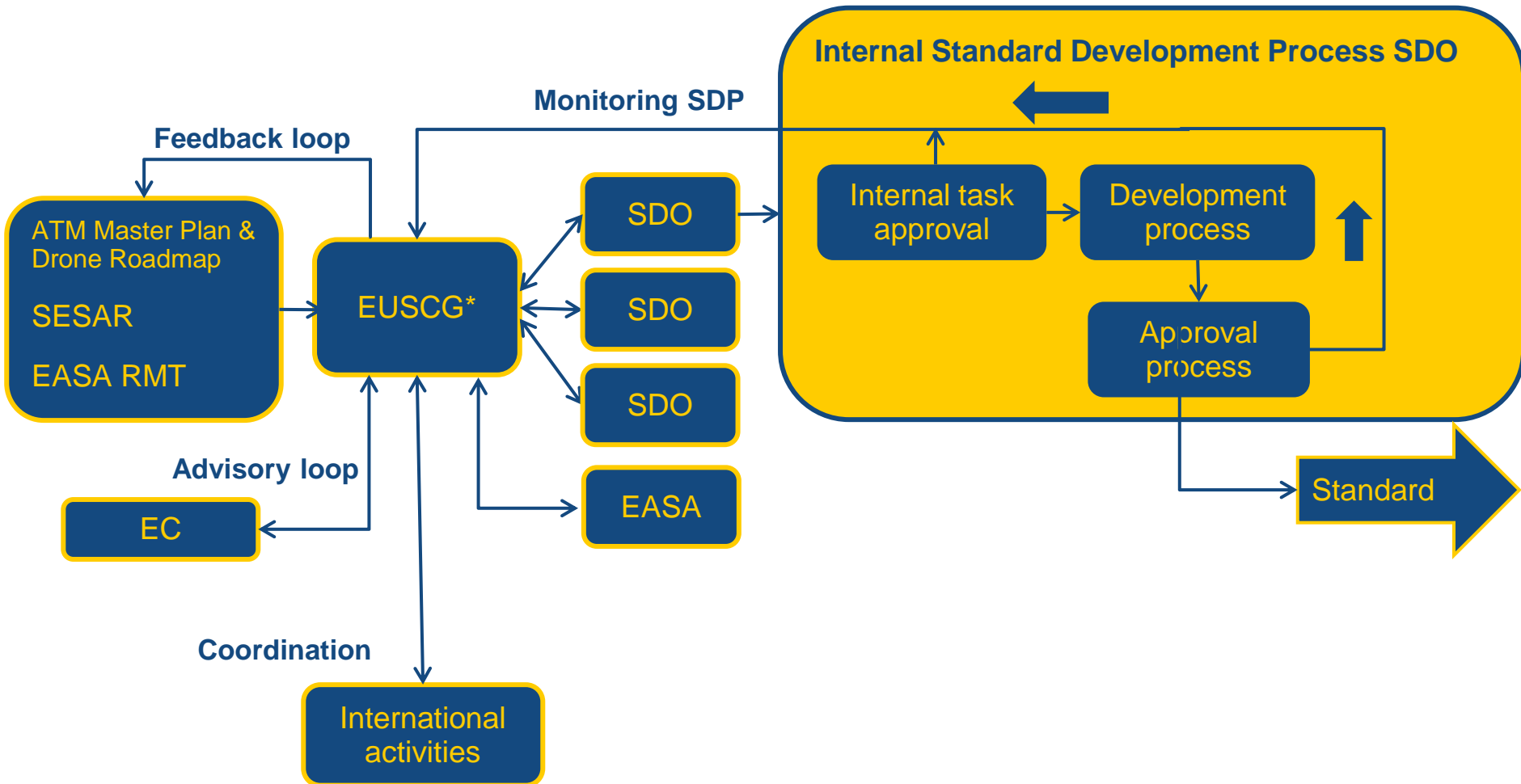
➢ A joint **Coordination and Advisory** group on UAS-related standardisation activities across Europe

➢ Based on EC and EASA rulemaking initiatives

➢ Chaired by EUROCAE – handover to EASA

➢ ASD
➢ ASD-STAN
➢ ASTM
➢ CEN/CENELEC
➢ DAE
➢ DMAE
➢ EASA
➢ EC
➢ EDA

➢ ETSI
➢ EUROCAE
➢ EUROCONTROL
➢ GUTMA
➢ ISO
➢ JARUS
➢ SAE
➢ SESAR JU
➢ UVSI

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EUSCG Functioning Mechanism

UAS Standardisation RDP

Objectives of the RDP:

➜ Reflect the work programmes of the contributing SDOs

➜ Identify potential overlaps and gaps

➜ Highlight the potential difficulties during the standardisation activity

➜ Identify technical input from other organisations

RDP issue 5.0 available at: www.euscg.eu.

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UAS RDP Structure

Domain/Topic	EASA Regulation		Applicable Standards	

Domain/Topic

- *General*
- *UAS Traffic Management*
- *Command, Control & Com.*
- *Detect & Avoid*
- *RPAS automation*
- *Design& Airworthiness*
- *Operations*
- *Flight Crew Licensing*
- *Environment*
- *Autonomous Operations*

EASA Regulation

- *Regulation Ref/Title*
- *Article Description*
- *Organisation(EASA)*
- *Publication Target Date*
- *Applicable UAS Category*
- *Status*

Applicable Standards

- *Standard Ref/Title*
- *Short description*
- *SDO in charge*
- *Publication Target Date*
- *Type of document*
- *Status*
- *Comments*

UAS RDP: Focus on UTM

Domain/Topic	EASA Regulation		Applicable Standards	

Domain/Topic
- *U-space*
- *E-Ident*
- *Local e-Ident*
- *Marking & registration*
- *Geo-awareness*
- *Zones def.*

EASA Regulation

Reference
- *Opinion xx-2020*
- *EU 2019/945*
- *EU 2019/947*

Specific links to
- UAS remote identification
- UAS geo-awareness system
- Art 14 on UAS operator's registration number
- Art 15 on UAS geographical zones

Applicable Standards
- *SAE AS-4*
- *ISO TC20/SC16/WG4*
- *ASTM F38*
- *ASD-STAN D5WG8*
- *EUROCAE WG-105*

UAS RDP: Standards for UTM

ISO TR 23629-1 - UAS Traffic Management (UTM) -- Part 1: General requirements for UTM -- Survey results on UTM	ISO TC 20/SC 16/WG 4	sep-22	Technical Report	Ongoing
ISO 23629-7 - UAS Traffic Management (UTM) -- Part 7: UTM data and information transfer at interface of traffic management integration system and UAS service suppliers -- Data model related to spatial data for UAS and UTM	ISO TC 20/SC 16/WG 4	jan-22	Standard	Ongoing
MOPS for UAS e-identifcation	EUROCAE WG-105	dec-20	Standard	Ongoing
ASTM WK63418 Protocol for Service Provided under UAS Traffic Management (UTM)	ASTM F38		Standard	Ongoing
F3411-19 Standard Specification for Remote ID and Tracking	ASTM F38		Standard	Published
AIR6388 Remote Identification and Interrogation of Unmanned Aerial Systems	SAE AS-4 UCS		Information Report	Ongoing
ASTM F2851-18 Standard Practice for UAS Registration and Marking (Excluding Small Unmanned Aircraft Systems)	ASTM F38		Standard	Published
MOPS for UAS Geo-Fencing	EUROCAE WG-105		Standard	Published
MOPS for UAS geo-caging	EUROCAE WG-105		Standard	Published
prEN4709-3 Aerospace series - Unmanned Aircraft Systems (UAS) - Security Requirements	ASD-STAN D5WG8	nov-20	prEN	Ongoing
WK69690 Surveillance UTM Supplemental Data Service Provider (SDSP) Performance	ASTM F38		Standard	Ongoing