ISO/TC20/SC16

International Organization for Standardization

ISO / Technical Committee 20 / Subcommittee 16
Unmanned aircraft systems

ICAO RPAS SYMPOSIUM 2022

RPAS – Related Standards Development Activities

09 November 2022

ABOUT US

ISO is an independent, non-governmental international organization with a membership of 165 national standards bodies.

Through its members, it brings together experts to share knowledge and develop voluntary, consensus-based, market relevant International Standards that support innovation and provide solutions to global challenges.

You'll find our Central Secretariat in Geneva, Switzerland. Learn more about our structure and how we are governed.

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ISO / TC20 / SC16

Unmanned Aircraft Systems (UAS)

ISO/TC20/SC16

PARTICIPATION

PARTICIPATING MEMBERS (24)

COUNTRY/TERRITORY	ACRONYM
Austria	ASI
Belgium	NBN
Canada	SCC
China	SAC
Denmark	DS
France	AFNOR
Germany	DIN
India	BIS
Iran, Islamic Republic of	INSO
Italy	UNI
Japan	JISC
Korea, Republic of	KATS
Luxembourg	ILNAS
Netherlands	NEN
Romania	ASRO
Russian Federation	GOST R
Spain	UNE
Sweden	SIS
Switzerland	SNV
Turkey	TSE
Ukraine	DSTU
United Arab Emirates	ESMA
United Kingdom	BSI
United States	ANSI

OBSERVING MEMBERS (11)

Country/Territory	Acronym
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Brazil	ABNT
Czech Republic	UNMZ
Finland	SFS
Hungary	MSZT
Ireland	NSAI
New Zealand	NZSO
Poland	PKN
Saudi Arabia	SASO
Singapore	SSC
Slovakia	UNMS SR

UAS STANDARDS STATUS

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Published ISO Standards

24

ISO Standards under Development

WORK GROUP STRUCTURE

Work Groups

WG 1 – General

WG 2 – Product Manufacturing & Maintenance

WG 3 – Operations & Procedures *AG 5 – Detect & Avoid

WG 4 – UAS Traffic Management

WG 5 – Testing & Evaluation

WG 6 – UAS Subsystems

WG 7 – Joint TC20 / TC43
Noise Measurements for UAS

WG 8 – Counter UAS

ORGANIZATIONS IN LIAISON WITH ISO TC20 SC16

Airport Council International / **ACI**

AeroSpace & Defense Industries Assoc Europe – Standardization / **ASD-STAN**

European Union Aviation Safety Agency / **EASA**

The European Organization for Civil Aviation Equipment / **EUROCAE**

Institute of Electrical & Electronics Engineers, Inc. / **IEEE**

Open Geospatial Consortium, Inc. / **OGC**

SAE International / **SAE**

ASTM International / **ASTM** (Category C)

Global UTM Association / **GUTMA** (Category C)

ISO / TC20 / SC16 UAS COMMITTEE
WORKING GROUP STRUCTURE

ISO/TC20/SC16

Working Group 1
General

CONVENER
Frank Fuchs
Germany

Specifies general requirements for UAS for civil applications

Working Group 2
Product Manufacturing & Maintenance

CONVENER
Lance King
United States

Specifies quality & safety requirements for components of UAS design & manufacturing process.

Working Group 3
Operations & Procedures

CONVENER
Robert Garbett
United Kingdom

Details requirements for safe commercial UA operations
Vertiport Standard
Training Standard
Advisory Group
Detect and Avoid

*AG 5 – Detect & Avoid

Working Group 4
UAS Traffic Management

CONVENER
Okamoto Masahide
Japan

Establish Standards & Guidelines for UAS Traffic Management

Working Group 5
Testing & Evaluation

CONVENER
Hyun-Young Chang
ROK

Testing & evaluation of UAS for safety & quality of product

Working Group 6
UAS Subsystems

CONVENER
Che Jiaxing
China

Development of standards for UAS subsystems design & manufacturing process

Working Group 7
Joint TC20 / TC43 Noise Measurements for UAS

CONVENER
Zhang Xin
China

Joint Work Group ISO Noise TC43 WG7 Noise Measurements For UAS

Working Group 8
Counter UAS

CONVENER
Mark Lupton
United Kingdom

Counter UAS Manufacturing Quality & Safety

JTC/IEC 1 Advisory Group 19

ISO/IEC JTC 1

ISO TC20 SC16 Representative
SHU Zhenejie
China

ISO/TC20/SC16

ISO Technical Committee 20 Subcommittee 16

Unmanned Aircraft Systems

"Standardization in the field of unmanned aircraft systems (UAS) including, but not limited to, classification, design, manufacture, operation, maintenance and safety management of UAS operations".

Secretariat: United States (ANSI)

Chair: John Walker - The Padina Group / Senior Partner
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Manager: Chris Carnahan - Aerospace Industries Association
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ISO/TC20/SC16: https://www.iso.org/committee/5336224.html