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UAS traffic management (UTM) —

Part 1:
Survey results on UTM

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ISO copyright office
CP 401 • Ch. de Blandonnet 8
CH-1214 Vernier, Geneva
Phone: +41 22 749 01 11
Fax: +41 22 749 09 47
Email: copyright@iso.org
Website: www.iso.org

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Foreword

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For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 20, *Aircraft and space vehicles*, Subcommittee SC 16, *Unmanned aircraft systems*.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

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Part 1:
Survey results on UTM

1 Scope

This document provides results of a survey on UTM which indicates aggregated data from survey respondents. It does not cover detailed analysis of regions and organizations.

UTM is expected to reveal hundreds of commercial applications already in place, as well as social systems as their background conditions. The results can be used to analyze benefits and gaps for possible future standardization topics in consultation with authorities such as ICAO.

2 Normative references

There are no normative references in this document.

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

— ISO Online browsing platform: available at https://www.iso.org/obp

— IEC Electropedia: available at http://www.electropedia.org/

3.1
detect and avoid
DAA
capability to see, sense or detect conflicting traffic or other hazards and take the appropriate action to comply with the applicable rules of flight

Note 1 to entry: The definition is adapted from Reference [2].

3.2
unmanned aircraft system
UAS
aircraft and its associated elements which are operated remotely or autonomously

[SOURCE: ISO 21384-4:—, 3.79]

4 UTM survey

4.1 General

This survey is composed of part 1 and part 2. The survey period is March 3, 2019 to March 22, 2019. ISO/TC 20/SC 16 conducted a survey to gather information about UAS traffic management around the world. Part 1 is a survey of selection type. Part 2 is a follow-up survey of part 1 for the respondents to provide free responses. During the survey period, 107 people responded to part 1, 16 people responded to part 2. In part 1 and part 2, it's not required to provide responses to all items.