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**UAS traffic management (UTM) —  
Part 7:  
Data model for spatial data**

*Gestion du trafic des aéronefs sans pilote (UTM) —  
Partie 7: Modèle de données pour les données spatiales*

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## Foreword

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The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see [www.iso.org/directives](http://www.iso.org/directives)).

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A list of all parts in the ISO 23629 series can be found on the ISO website.

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](http://www.iso.org/members.html).

## Introduction

In order to enable UAS (unmanned aircraft systems) to operate safely, there is a need to define the data model that is related to various spatial information for common use between the UAS operators and the UAS traffic management (UTM) system. Existing standards regarding spatial data for safely operating UAS including static data and dynamic data do not exist, whereas efforts are underway to establish related standards on the part of ASTM and EUROCAE.

This document can be used as a reference model. Implementations of this document can lead to cost reductions in maintenance/expansion for application developers as well as compilation/maintenance of map data for map providers.

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