

# American National Standard

INCITS/ISO 19131:2007 (2017)

(ISO 19131:2007, IDT)

*Geographic information - Data product specifications*

**Developed by**



*Where IT all begins*



## INCITS/ISO 19131:2007 (2017)

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## Geographic information — Data product specifications

*Information géographique — Spécifications de contenu informationnel*



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## Contents

Page

<b>1</b>	<b>Scope</b> .....	<b>1</b>
<b>2</b>	<b>Conformance</b> .....	<b>1</b>
<b>3</b>	<b>Normative references</b> .....	<b>1</b>
<b>4</b>	<b>Terms and definitions</b> .....	<b>2</b>
<b>5</b>	<b>Symbols and abbreviated terms</b> .....	<b>4</b>
<b>5.1</b>	<b>Abbreviations</b> .....	<b>4</b>
<b>5.2</b>	<b>UML notation</b> .....	<b>4</b>
<b>5.3</b>	<b>UML model relationships</b> .....	<b>5</b>
<b>5.4</b>	<b>UML model stereotypes</b> .....	<b>6</b>
<b>5.5</b>	<b>Package abbreviations</b> .....	<b>6</b>
<b>6</b>	<b>General structure and content of a data product specification</b> .....	<b>6</b>
<b>7</b>	<b>Overview</b> .....	<b>7</b>
<b>8</b>	<b>Specification scopes</b> .....	<b>8</b>
<b>9</b>	<b>Data product identification</b> .....	<b>8</b>
<b>10</b>	<b>Data content and structure</b> .....	<b>9</b>
<b>10.1</b>	<b>Feature-based data</b> .....	<b>9</b>
<b>10.2</b>	<b>Coverage-based and imagery data</b> .....	<b>10</b>
<b>11</b>	<b>Reference systems</b> .....	<b>10</b>
<b>12</b>	<b>Data quality</b> .....	<b>11</b>
<b>13</b>	<b>Data capture</b> .....	<b>11</b>
<b>14</b>	<b>Data maintenance</b> .....	<b>11</b>
<b>15</b>	<b>Portrayal</b> .....	<b>11</b>
<b>16</b>	<b>Data product delivery</b> .....	<b>12</b>
<b>17</b>	<b>Additional information</b> .....	<b>12</b>
<b>18</b>	<b>Metadata</b> .....	<b>12</b>
<b>Annex A</b>	<b>(normative) Abstract test suite</b> .....	<b>13</b>
<b>Annex B</b>	<b>(informative) Relationship between data product specification and metadata</b> .....	<b>14</b>
<b>Annex C</b>	<b>(informative) UML packages</b> .....	<b>15</b>
<b>Annex D</b>	<b>(normative) Data product specification scopes</b> .....	<b>16</b>
<b>Annex E</b>	<b>(normative) Data product specification contents</b> .....	<b>18</b>
<b>Annex F</b>	<b>(informative) Example of a data product specification</b> .....	<b>29</b>

## Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 19131 was prepared by Technical Committee ISO/TC 211, *Geographic information/Geomatics*.

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## Introduction

A data product specification is a detailed description of a dataset or dataset series together with additional information that will enable it to be created, supplied to and used by another party. It is a precise technical description of the data product in terms of the requirements that it will or may fulfil. However, the data product specification only defines how the dataset should be. For various reasons, compromises may need to be made in the implementation. The metadata associated with the product dataset should reflect how the product dataset actually is.

A data product specification may be created and used on different occasions, by different parties and for different reasons. It may, for example, be used for the original process of collecting data as well as for products derived from already existing data. It may be created by producers to specify their product or by users to state their requirements.

The purpose of this International Standard is to provide practical help in the creation of data product specifications, in conformance with other existing standards for geographic information. An aim is to produce a complete list of the items used to specify a data product.

This International Standard makes references to parts of existing standards. Some of the items used to specify the data in a data product can also be used as metadata for a resulting dataset with the same data product.

It is not necessary for a data product specification to specify the production process, but only the resulting data product. Nevertheless, it may include production and maintenance aspects if judged necessary to describe the data product.

This International Standard describes the content and structure of a data product specification. An example of a data product specification is presented in Annex F.

When an item for a data product specification is already defined in another standard of the ISO 19100 series, a reference to that document is explicitly made.

This International Standard is intended for use by producers, providers and potential users of data products.