Space - Earth observation - Image processing levels

EESTI STANDARDIKESKUS EVS
ESTONIAN CENTRE FOR STANDARDISATION

EVS-EN 17030:2018

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

See Eesti standard EVS-EN 17030:2018 sisaldab Euroopa standardi EN 17030:2018 ingliskeelset teksti.	This Estonian standard EVS-EN 17030:2018 consists of the English text of the European standard EN 17030:2018.
Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas.	This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation.
Euroopa standardimisorganisatsioonid on teinud Euroopa standardi rahvuslikele liikmetele kättesaadavaks 25.04.2018.	Date of Availability of the European standard is 25.04.2018.
Standard on kättesaadav Eesti Standardikeskusest.	The standard is available from the Estonian Centre for Standardisation.

Tagasisidet standardi sisu kohta on võimalik edastada, kasutades EVS-i veebilehel asuvat tagasiside vormi või saates e-kirja meiliaadressile standardiosakond@evs.ee.

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Space - Earth observation - Image processing levels

Espace - Observation de la Terre - Niveaux de traitement des images

Raumfahrt - Erdbeobachtung - Bildinformationstiefe

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Contents

Page

European foreword

This document (EN 17030:2018) has been prepared by Technical Committee CEN-CENELEC/TC 5 "Space", the secretariat of which is held by DIN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by October 2018, and conflicting national standards shall be withdrawn at the latest by October 2018.

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1 Scope

This European Standard specifies the definition of the different processing steps (levels) of images coming from Earth observation systems observing the surface of the Earth regarding the different sensor sources of the origin data.

It applies at least to image products generated from the following types of sensors:

— electro-optical (including infrared and hyper-spectral);

— SAR (Synthetic Aperture Radar).

The standard allows to identify the information depth and the used auxiliary data/information. Furthermore it allows the comprehension of image data from different sources and gives hints about the information compatibility.

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.

3.1
Level 0
data stream from sensor, not yet processed to an image product

3.2
Level 1
image product without application- and/or customer-specific presentation or transformations

3.3
Level 2
image product with application- and/or customer-specific presentations and transformations

Note 1 to entry: Higher levels are possible, but not defined within this standard.

4 Symbols and abbreviations

The symbols shown in Table 1 shall be used for the different image levels.