



# **Data model**

ETIM Classification system

Version 5.0



## 1. Introduction

The ETIM classification model version 5.0 is available in 2 ways:

- as Microsoft Access 2003 database and as
- txt/CSV-files (only local, country specific)

This document describes the underlying logical ETIM data model and the database scheme for the releases as Access database or as txt/CSV -files.

The field lengths indicated in the following explanation of the database scheme relate to the publication of the ETIM 5.0 model as Access database.

In the txt/CSV -files the single field contents are semi-colon separated. As text separation character quotation marks are used. The first row of each table contains the field names.

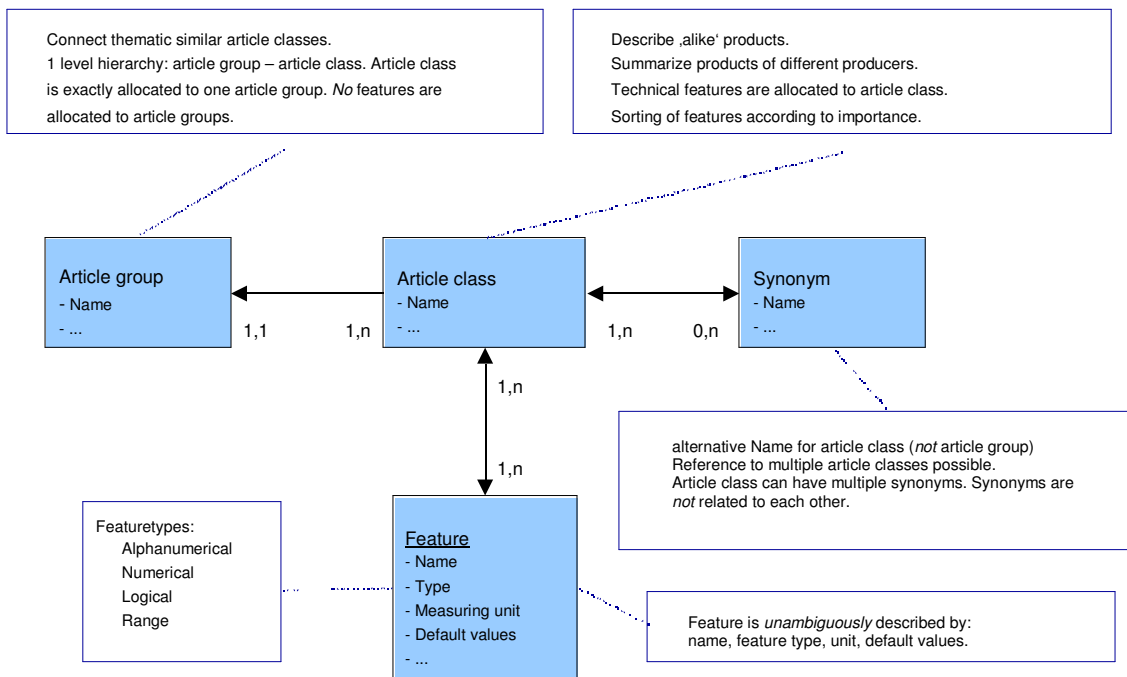
## 2. Logical data model

Picture 1 describes the ETIM underlying logical data model.

The fundamental entities are:

- Article group
- Article class
- Synonym
- Feature (including data type, default value and unit)

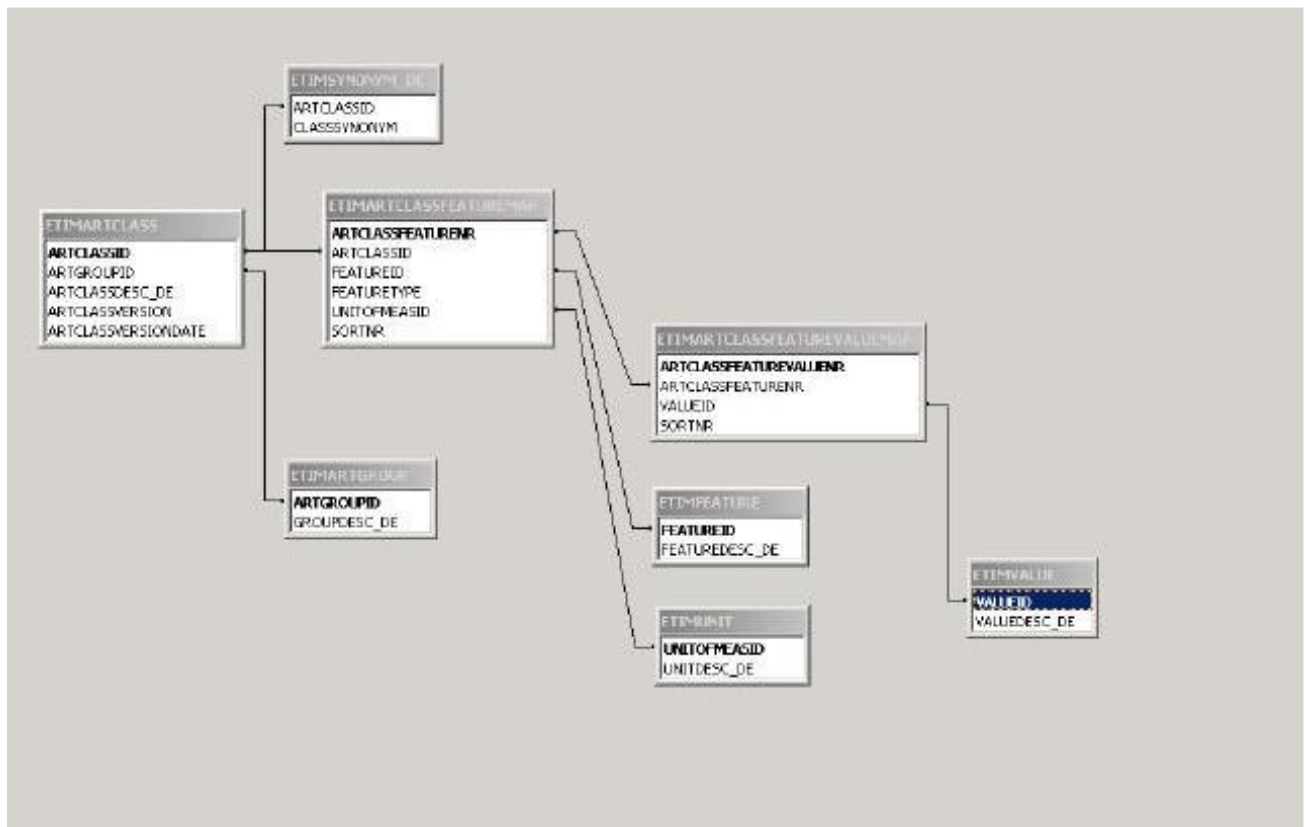
The cardinalities of the links follow from picture 1:



Picture 1: Logical data model for ETIM

### 3. Database scheme

Picture 2 shows the database scheme of the Access database for ETIM 5.0



**Picture 2: Database scheme (Access) for ETIM Version 5.0**

Subsequent the tables of the database scheme are further described.

In the table **ETIMARTGROUP** the ETIM article groups are described:

Fieldname	Contents	Field length
ARTGROUPID	Unambiguous identifier of the article group	10 characters
GROUPDESC_EN	English description of the article group	80 characters



In the table **ETIMARTCLASS** the ETIM article classes are described:

Fieldname	Contents	Field length
ARTCLASSID	Unambiguous identifier of the article class	10 characters
ARTGROUPID	Identifier of the superordinate group	10 characters
ARTCLASSDESC_EN	English description of the article class	80 characters
ARTCLASSVERSION	Version of the class	03 characters
ARTCLASSVERSIONDATE	Date of the last change	-

In the table **ETIMSYNONYM\_EN** the English ETIM synonyms are described:

Fieldname	Contents	Field length
ARTCLASSID	Unambiguous identifier of the corresponding article class	10 characters
CLASSSYNONYM	Description of the synonym/keyword	80 characters

In the table **ETIMFEATURE** the ETIM features are described:

Fieldname	Contents	Field length
FEATUREID	Unambiguous identifier of the feature	10 characters
FEATUREDESC_EN	English description of the feature	80 characters

In the table **ARTCLASSFEATUREMAP** the allocations of the features to the article classes are described (n:m-relationship between ETIMARTCLASS and ETIMFEATURE as well as between ETIMARTCLASS and ETIMUNIT):

Fieldname	Contents	Field length
ARTCLASSFEATURENR	Identifier of the allocation of a feature to an article class	Long Integer
ARTCLASSID	Unambiguous identifier of the article class	10 characters
FEATUREID	Unambiguous identifier of the feature	10 characters
FEATURETYPE	Type of feature	1 characters
UNITOFMEASID	Unambiguous identifier of the unit	10 characters
SORTNR	Sorting number for the features of an article class	Long Integer



In the table **ETIMARTCLASSFEATUREVALUEMAP** the default values for features with alphanumerical data type are described (n:m-relationship between ARTCLASSFEATUREMAP and ETIMVALUE):

<b>Fieldname</b>	<b>Contents</b>	<b>Field length</b>
ARTCLASSFEATUREVALUENR	Identifier of the allocation of a value to a feature-article class allocation	Long Integer
ARTCLASSFEATURENR	Identifier of the allocation of a feature to an article class	Long Integer
VALUEID	Unambiguous identifier of the default value	10 characters
SORTNR	Sorting number for the default value of a feature-article class allocation	Long Integer

In the table **ETIMVALUE** the default values for alphanumerical features are described:

<b>Fieldname</b>	<b>Contents</b>	<b>Field length</b>
VALUEID	Unambiguous identifier of the default value	10 characters
VALUEDESC_EN	English description of the default value	80 characters

In the table **ETIMUNIT** the ETIM measuring units are described:

<b>Fieldname</b>	<b>Contents</b>	<b>Field length</b>
UNITOFMEASID	Unambiguous identifier of the measuring unit	10 characters
UNITDESC_EN	English description of the measuring unit	80 characters