What is ETIM
Classification for Uponor Products

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ETIM Classification for Uponor Products

Situation

- ETIM is an independent, European classification standard for building products. Product classes and product features are described by a set of identification codes enabling customers to select and compare products quickly across complex manufacturer portfolios. Initiated for electrical products, standardization for HVAC and plumbing is ongoing.
- Due to easy and flawless product selection demand from customers (wholesale, planners, contractors) for ETIM classified product data is growing.
- It is required for Uponor to implement the ETIM classification to meet customer demand in different sales channels

Imple-mentation

- ETIM classification will be implemented for all Uponor items (classes and features)
- Ownership for ETIM is assigned to PDC / Wojciech Rokicki
- Uponor will sign for ETIM membership in Germany to be able to influence ongoing work on classification schemes for Uponor product groups
- Local ETIM classifications will be consolidated by PDC and completed in separate database for upload to Windchill at a later stage

What is ETIM

- ETIM - European Technical Information Model

- ETIM is a **systematic classification** for products related to electric, HVAC and plumbing market

- Based on ETIM each product is getting **CLASS NUMBER and related set of technical attributes** describing product type and allows to recognize what exactly type of product it is.

- The same products from different manufacturers are described in the same way using the same attributes.
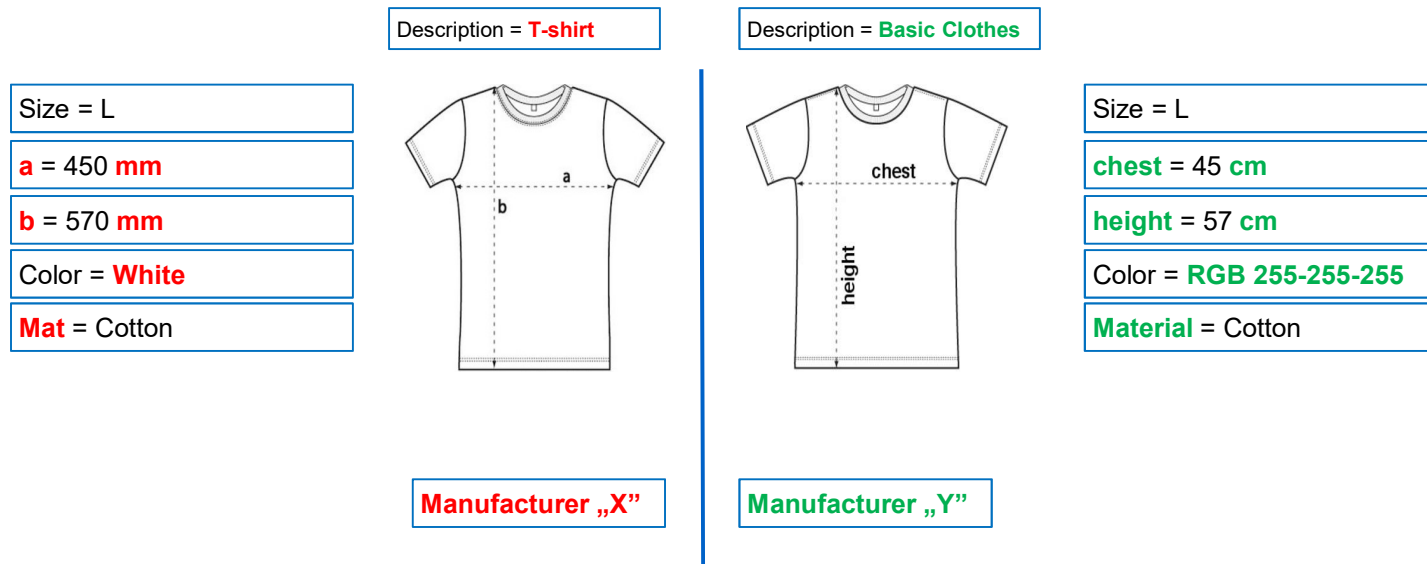
What ETIM is not

- ETIM is not a Software Application
- ETIM is not a Database
- ETIM is not a Product Browser
- ETIM is not a Catalogue of Products

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What is ETIM

- Currently manufacturers are describing products using thier own rules. They are presenting different attributes, which have different names and use different units of measure, even it is the same product.

Simple example basing on t-shirts:

Description = **T-shirt**		Description = **Basic Clothes**

Size = L		Size = L
a = 450 **mm**		**chest** = 45 **cm**
b = 570 **mm**		**height** = 57 **cm**
Color = **White**		Color = **RGB 255-255-255**
Mat = Cotton		**Material** = Cotton

Manufacturer „X"   **Manufacturer „Y"**

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What is ETIM

- ETIM is giving a standard which can be used by all manufactures on the market
- Standard allows to describe the same or similar type of products with the same attributes for all manufacturers.

Description = T-shirt

Description = T-shirt

Size = L

Width = 450 mm

Length = 570 mm

Sleeve = 250 mm

Weight = 190 g

Color = White

Material = Cotton

Size = L

Width = 500 mm

Length = 580 mm

Sleeve = 250 mm

Weight = 200 g

Color = White

Material = Cotton
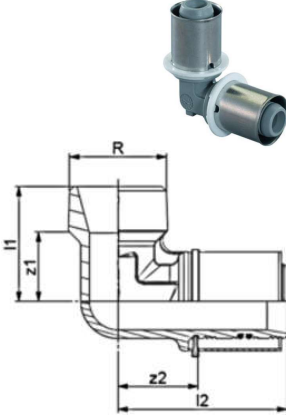
Manufacturer „**X**"

Manufacturer „**Y**"
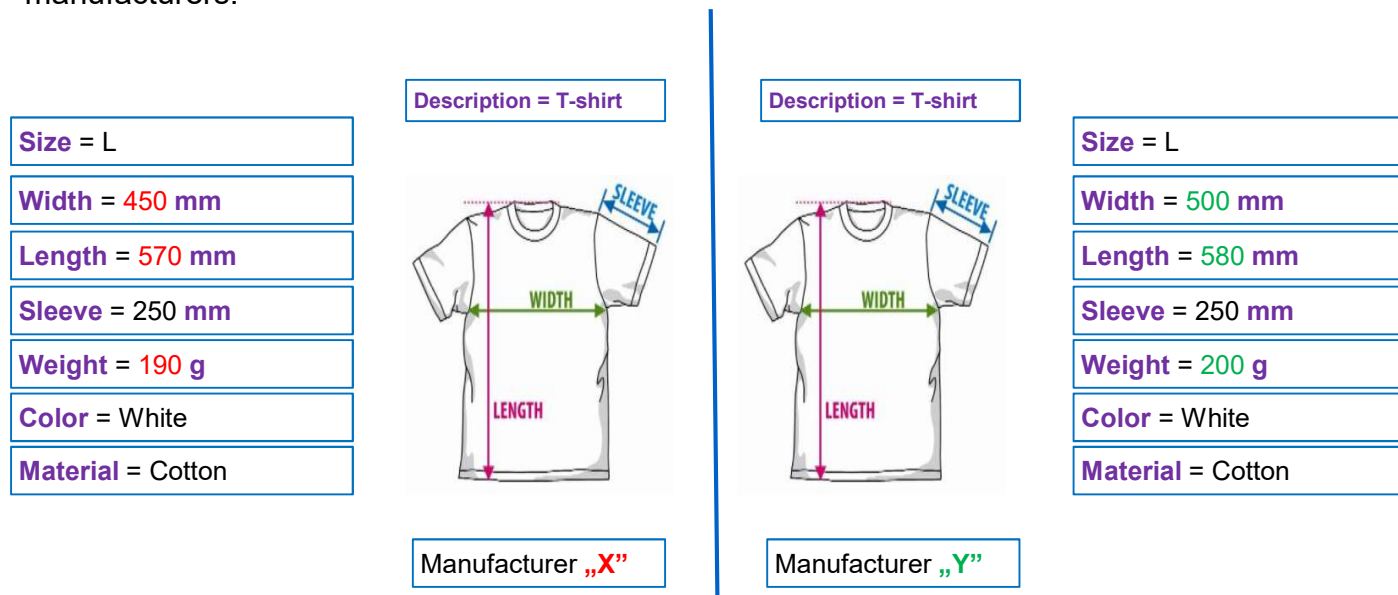
- It cause easy browsing, comparing and exchanging information (attributes) for customers and **reduce time** of reaching all needed information of products

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What is ETIM

> ETIM is building **common language** for whole HVAC and plumbing industry. Below example of ETIM based on real plumbing products attributes:
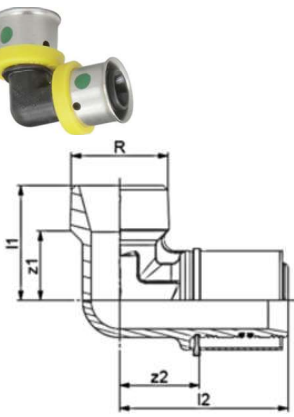
Class = Fitting with 2 connections	Class = Fitting with 2 connections
Group = Fittings, flanges and connectors	Group = Fittings, flanges and connectors

Size = 25x2.25 mm	**Size** = 25x2.25 mm
Material = Brass	**Material** = Brass
Angle = 90	**Angle** = 90
Max op. pressure = 10bar	**Max op. pressure** = 6bar
R = 25 mm	**R** = 25 mm
WallThickness = 2.25 mm	**WallThickness** = 2.25 mm
l1 = 125 mm	**l1** = 130 mm
l2 = 130 mm	**l2** = 130 mm
z1 = 85 mm	**z1** = 90 mm
z2 = 92 mm	**z2** = 94 mm
Etc…..	**Etc…..**

The same tech drawing

The same tech drawing

Manufacturer „**X**"

Manufacturer „**Y**"

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What is ETIM

➢ Allows easy browsing and finding products for customers

Class ➡ **Feature** ➡ **Choice**

Fitting with 2 connections

Looking for ELBOW
- **Compression**
- **90degrees**
- **Size 25mm**
- **10bar system**

| Size = **25x2.25 mm** |
| Material = Brass |
| Angle = **90** |
| Connection1 = **Compression** |
| Connection2 = **Compression** |
| Max op. pressure = **10bar** |
| R = 25 mm |
| WallThickness = 2.25 mm |
| l1 = 450 mm |
| l2 = 570 mm |
| z1 = 250 mm |
| z2 = 200 mm |

Uponor Press composite elbow PPSU

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What is ETIM

➤ ETIM Classes and Features: Uponor to classify all items applying ETIM codes

Class ➡️ **Feature** ➡️ **Choice**

EC003024	Fitting with 2 connections
EG015540	Fittings, flanges and connectors

Size = 25x2.25 mm	EV020209
Material = Brass	EV000149
Angle = 90	EF005431
Connection1 = Compression	EV020242
Connection2 = Compression	EV020242
Max op. pressure = 10bar	EV020103
R = 25 mm	EF001438
WallThickness = 2.25 mm	EF021603
l1 = 125 mm	EF020153
l2 = 130 mm	EF020154
z1 = 85 mm	EF020151
z2 = 92 mm	EF020152

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ETIM Classification for Uponor Products ISO16757

September 2015

	DIN ISO 16757-1	DIN

ICS 91.010.01

**Data structures for electronic product catalogues for building services –
Part 1: Concepts, architecture and model (ISO 16757-1:2015),
English translation of DIN ISO 16757-1:2015-09**

ISO 16757 consists of the following parts, under the general title *Data structures for electronic building services product catalogues*:
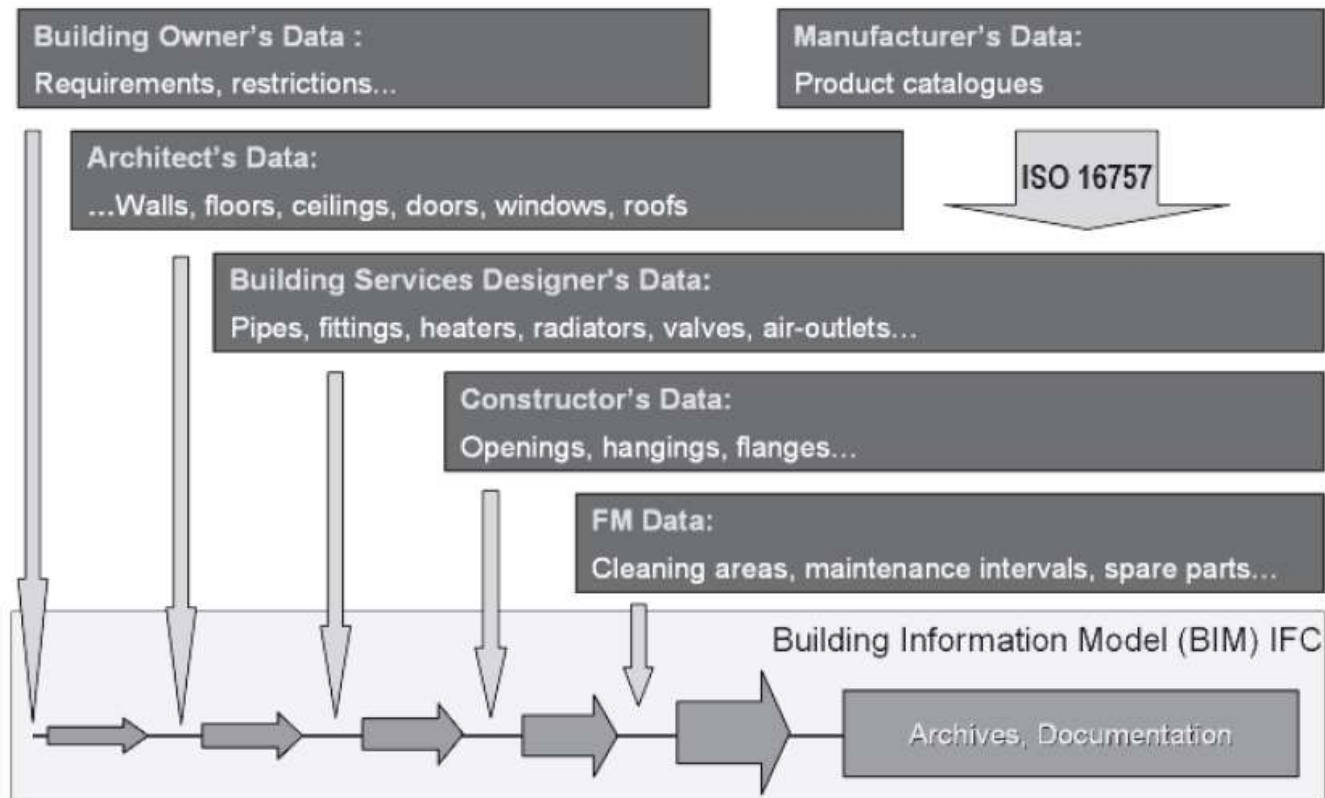
— *Part 1: Concepts, architecture and model*

— *Part 2: Geometry*

The following parts are planned:

— *Part 3: Script language and functions*

— *Part 4: Cooperation with building information modelling standards*

— *Part 5: Product catalogue exchange format*

ETIM Classification for Uponor Products- ISO 16757

ETIM Impact on UPONOR Business

It is recommended for Uponor to implement the ETIM classification to meet customer demand in different channels

- ETIM measurement guidelines allows for creation simply unified BIM models using special plugins

- Database in cloud allows for construction online catalogues, ordering systems and be more competative in ecommerce bussiness

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Current business

- Unify of entire Uponor portfolio
- Making one step ahead Competitors

Wholesaler requirement

- Wholesalers are using ETIM Classification in their selling system

ETIM

BIM

Ecommerce

- ETIM as international classification increases availabilty in more wholesalers stock and online databases

Digital tools

Designers & contractors

- Easy access to online data, structured information and attributes of products needed in designing and construction phases.

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