Meeting #06

Machine Readable
Information Delivery Specifications

AKA "Information Delivery Specification (IDS)"

heijmans

Agenda bSi IDS meeting #06

1. Short update

2. Use-case analysis

3. XML schema Autodesk (Peter) – 30min

4. Feedback André & Mathias

5. Data-structure – continued discussion

6. Next session #07
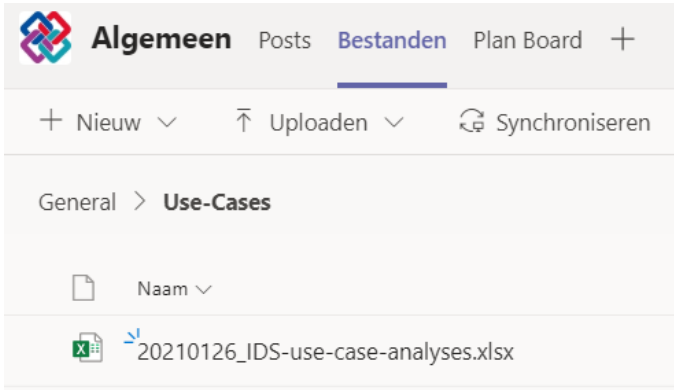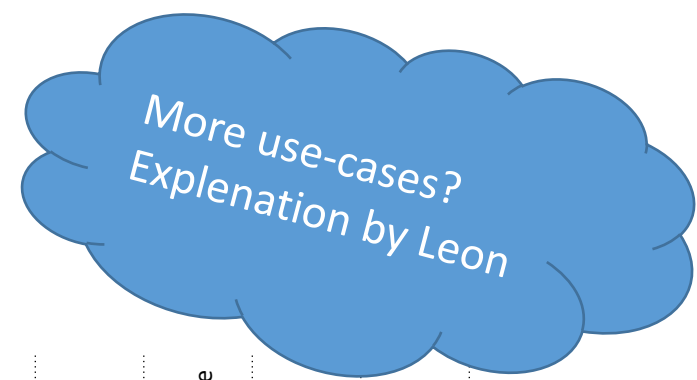
1. Short Update

From last session #05:

- Q1: Perhaps using the XML structure from the Autodesk tool as input for the v0.01?

- Q2: How similar is the BSDD UML to the v0.01 UML?

- Q3: 'User focused' or 'IFC-focused' approach? Or both, with IfcEntity mapping should be mandatory.

- Proposal: Use-case requirements REPORT -> analysis from use-cases to give direction to technical solution

heijmans

1. Meeting Ground Rules

- Use-case pull instead vs solution push

- Only people that speak have their camera + mic ON

- All other people that DOT NOT speak have their camera + mic OFF

- People can speak for a max of 2 minutes

- Respect each others use-cases, perspective and vision

- …

2.Use-case analysis

Algemeen Posts **Bestanden** Plan Board +

+ Nieuw ⌄   ⬆ Uploaden ⌄   ⟳ Synchroniseren

General > **Use-Cases**

Naam ⌄

📄 ⌝ 20210126_IDS-use-case-analyses.xlsx

Types of requirements:

Use-cases:	Self defined/named objects	IFC entities	Mapping between self defined and IFC	Predefined Types (probably very rare, not really allowed in IFC)	Object Type (attribute)	ClassificationReference (often called 'classification')	Psets / PropertySet names	Qsets / Qset names	User defined Properties (including quantities)	Material	Allowed values (for all of the previous)	Dependencies (for example: if classification is x, than these properties, else those properties)	Other	Comments
bSDD	■		■			■	■	■	■	■	■			
Estonia	■	■	■	?	■				■	■	■			
ILS Ontwerp en Engineering		■	n.a.			■	■		■	■	■		■	
ILS Woningbouwcorporaties	■	■				■			■	■	■	■		
Chili National standard		■	n.a.	■	■	■	■	■	■					
Swiss Rail		■	n.a.			■		■		■				

3.XML schema Autodesk

IDS = "A List of components, that share properties"

- Mandatory fields: Name + IfcName (Entity) + Description
- Measures : Length/Mass/… physical quantity
- How does it
- Specify Information Requirement (INPUT) on a physical component basis.
- 'Implicit' property or classification references.
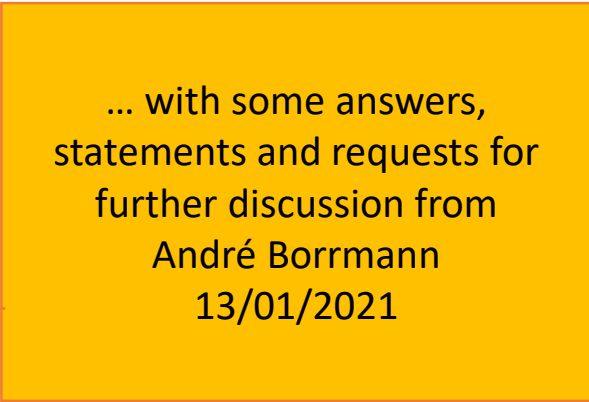- Specification vs Validation.

4.Feedback André & Matthias

bSi IDS Meeting #04
Technical Discussion

16 December 2020
Matthias Weise, AEC3 Germany

… with some answers, statements and requests for further discussion from André Borrmann 13/01/2021

5. Next session #07

- Further analysis of use-cases using Excel Matrix
- Back to beginning: project scope