Attendees:

- Georg Ferdinand Schneider (Individual CLA but affiliated with Schaeffler)
- Joel Bender (Cornell University)
- Gonçal Costa (LaSalle University)
- Bart van Leeuwen (Netage B.V. - only first 45/60 min Left at 17:47)
- Karl Hammar (Jönköping University)
- Jyrki Oraskari (RWTH-Aachen)
- Mathias Bonduel (KU Leuven)
- Richara Pinka (CTU Prague)
- Jason Koh (UC San Diego)
- Edison Chung (MINES Saint-Etienne)
- Odilo Schoch (ETH Zürich)
- Michel Böhms (TNO)
- Jan Voskuil (Taxonic)
- Jeroen Werbrouck (UGent)
- Sjoerd Rongen (Taxonic)
- Sylvain MARIE (buildingSMART France)
- Mads Holten Rasmussen (Niras)
- María Poveda-Villalón (Ontology Engineering Group - Universidad Politécnica de Madrid)
- Katja Breitenfelder (Fraunhofer IBP/ TU Munich, Germany)
- Calin Boje (LIST, Luxembourg)
- Seppo Törmä (VisuaLynk, Finland)
- Alberto Giretti (University Politecnica delle Marche)
- Herve Pruvost (Fraunhofer IIS EAS)
- Maxime Lefrançois (MINES Saint-Étienne)

Date and time and connection details

- 07/05/2020
- 17:00 - 18:30 CEST
- Link: **https://mit.webex.com/mit/j.php?MTID=mded680efd1caeca8b429ccb5c86ea7a1**

Agenda (tentative)

1. Introduction
2. Organisational
    - Next Calls, periodically bi-weekly:
        - 19/05/2020, TUE, 16:00-17:30@CEST/ 7:00-8:30@PDT/ 14:00-15:30@UTC
3. Presentation of key characteristics of ISO 23386:2020 *Building information modelling and other digital processes used in construction — Methodology to describe, author and maintain properties in interconnected data dictionaries* by Lars Christian Fredenlund

4. BOT Definitions revision
    - Site: https://github.com/w3c-lbd-cg/bot/issues/54
    - Building: https://github.com/w3c-lbd-cg/bot/issues/65
    - Interface: https://github.com/w3c-lbd-cg/bot/issues/71
    - Storey: https://github.com/w3c-lbd-cg/bot/issues/66
    - hasSubElement: https://github.com/w3c-lbd-cg/bot/issues/47
    - Revised labels and descriptions https://github.com/w3c-lbd-cg/bot/pull/73

Minutes

1. Introduction
    - Sjoerd Rongen (Linked Data Consultant, Taxonic)
2. Organisational
    - Next Calls, periodically bi-weekly to have support by W3C/ MIT Webex:
        - Starting 19/05/2020, TUE, 16:00-17:30@CEST/ 7:00-8:30@PDT/ 14:00-15:30@UTC

          RESOLUTION: Bi-weekly calls starting 19 May 2020

3. Presentation of key characteristics of ISO 23386:2020 and ISO 23387
   -> ISO 23387 *Building information modelling and other digital processes used in construction — Methodology to describe, author and maintain properties in interconnected data dictionaries* by Lars Christian Fredenlund (LINK to Slides)
    - Kickoff by Lars Christian (CoBuilder)
    - Construction products characteristics are defined in standards, and linked to test methods. Example: DIN EN 14351-1 Modeling product data of windows, roof windows and doors
        - Properties can be enumerated values
        - Alphanumeric
        - Link to IFC classes
    - ISO 23386 standard helps to define construction products properties in dictionaries, referenced from IFC (instead of using general Property Sets)
    - ISO 23386 standard defines process to determine machine readable definition of properties such as fire resistance
        - Was released in ~ April 2020
    - Focus on properties, e.g. Load bearing, flow rate, …
    - Targeted at software vendors and end users
    - Originated by effort of AFNOR in french PPBIM effort
    - Define process and attributes how to exchange properties

    - Property e.g. Thermal transmittance according to EN 14351
    - Attributes of property could be Unit e.g. “W/m2K”

- Problem: Manufacturers need to implement for many standards, national standards,
- ISO 23386 (the “HOW”) allows to link different data dictionaries such as bSDD data dictionary
- ISO 23387 (the “WHAT”) Describe data templates, automate and reuse templates
    - Should be published in July 2020
    - Structure for data exchange

Comment by Richard Pinka: Objects are wrongly defined in IFC so it is mistake to define (smtng) within IFC as in first step(RP)

- Demo time : “coBuilder Define” : used to digitally define properties for construction products which were initially defined in plain PDFs. “coBuilder Define” complies to ISO 23386 (the process) and ISO 23387 (the data templates)
    - Possibility to group properties, search for properties of an entity
    - Once properties are defined, “coBuilder Define” exposes an API to query properties attributes
- Standard uses:
    - ISO 21930 (sustainability in buildings) in the works, referencing ISO 23386 and 23387 to manage product properties
    - smartCE marking should also reference these standards
    - Mentioning of “Circularity database” initiative in Luxembourg

Questions:

- Michel Böhms (TNO):
    - Linked data based approach similar to above will be presented in May 2020 -> CEN TC442/WG4/TG3 “SMLS” (kind of “23387-2”) & ISO ICDD
    - Q: What are the technical details under the hood?
        - API by coBuilder to publish data
        - Need for GUID

Comments received by Michel Böhms (TNO) (08 May 2020 via EMail, post meeting):

- For information: ‘Linked Data’-based approach similar to above byTC442/WG4/TG3 “SMLS” (kind of “23387-2”) referencing ISO ICDD Part 1 (Container) & Part 2 (Linked Types).
    - Espen Schulze, colleague of Lars F. is involved.
    - IFD (==ISO 12006-3) is related to LD (SMLS)
    - Idea:
        - ...87-1 == IFD-based implementation of ...86
        - ...87-2 == LD-based implementation of ...86
    - Draft will go for SC ballot in May 2020 trying to attract more people/interest. I will circulate this draft also in LBD.

- In general IFD update team works together to see how IFD and SMLS can best be combined. One action: dev. of IFD-LD variant. Note IFD is META-ontology: instances are classifications, ontologies etc.
- PPTX is available with details (LINK), will be annex is planned Technical Report (TR) explaining planned SMLS European Norm (EN).

Note on slides:

- coBuilder helps developing the standard and implements it in its API
- Lars: call for action:
  - Interested to develop use cases with the W3C LBD group
  - Use LD to ease the property publications to hundreds of databases
  - Industry needs to drive development
  - Funding possible through industry manufacturers
- Mathias Bonduel:
  - “credible source” mentioned: which are they? Answer : CEN standards
  - Is it possible to extend existing properties? Is it possible to define new properties outside of the standardisation track? Answer: 23386 guides you to setup experts which develop new properties. Rules from IFD is to always use international english. Check if there are existing properties or introduce new dictionaries. buildingSMART manages a list of “authorized agents” to publish new properties into bSDD. ISO 23386 also mentions multiple dictionaries.
  - Would be great to add additional use cases in doc: https://docs.google.com/forms/d/e/1FAIpQLScMvRq9UBkqi2QhBpmkO6AzTe7yK_n5O6MmDY-SiJ9wLHfQeA/viewform?usp=sf_link

POSTPONED to next call 19 May 2020

4. 30 min BOT Definitions revision (Email through mailing list: https://lists.w3.org/Archives/Public/public-lbd/2020May/0000.html)
   - Site: https://github.com/w3c-lbd-cg/bot/issues/54
   - Building: https://github.com/w3c-lbd-cg/bot/issues/65
   - Interface: https://github.com/w3c-lbd-cg/bot/issues/71
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Next Call

- 19/05/2020, Tue, 16:00-17:30@CEST/ 7:00-8:30@PDT/ 14:00-15:30@UTC

We are interested in getting suggestions from the community about potential agenda items for the following calls. Please send your suggestions to public-lbd@w3.org, whether you have a short presentation to bootstrap the discussion, and an approximate duration you think the discussion will last.

Previous minutes

https://docs.google.com/document/d/19tl8zvFgdvltCpP_KdxI68T99W1T4m1OBhZnrgsJeQo/edit