Introducing a new framework for generic Information Delivery Manuals

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Publication date: 2015

Document Version
Peer reviewed version

Citation (APA):
Introducing a new framework for generic Information Delivery Manuals

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Session F-2.1: Data & information management
Vienna, Austria, 17-19 September 2014
### 100+ IDMs at buildingSMART website

#### Overview

**Overview of Information Delivery Manuals independent of their status**

<table>
<thead>
<tr>
<th>Local IDM ID</th>
<th>IDM Name</th>
<th>Owner</th>
<th>Project Manager</th>
<th>Internal IDM status</th>
<th>URL</th>
</tr>
</thead>
</table>
IDMs in current use appear complex
3  |  IDM in current use cover wide-ranging processes

- Outline Conceptual Design
- Full Conceptual Design
- Coordinated Design
- Production Information
- Construction

IDM
[Process X]
4 | IDM in current use cover wide-ranging processes
# IDM Framework for decomposed IDM Packages

## Architecture
- IDM Package
- IDM Package
- IDM Package
- IDM Package
- IDM Package

## Structural Engineering
- IDM Package
- IDM Package
- IDM Package
- IDM Package
- IDM Package

## Mechanical Engineering
- IDM Package
- IDM Package
- IDM Package
- IDM Package
- IDM Package
6  |  IDM Packages focusing on IRMs and ORMs

Space
- Global Unique ID
- Owner History
- Name
- Elevation
- 3D Space Geometry
- 2nd Level Space Boundary
- Occupancy Type
- Occupancy Load
- Lighting Load
- Equipment Load
  Etc...

Wall
- Global Unique ID
- Owner History
- Name
- Description
- Object Placement
- 3D Wall Geometry
- Thermal Transmittance
  Solar Heat Transmittance
  Etc...

Window
- Global Unique ID
- Owner History
- Name
- Description
- Object Placement
- 3D Window Geometry
- Thermal Transmittance
- Solar Heat Transmittance
  Etc...

Building
- Global Unique ID
- Owner History
- Name
- Heating Requirements
- Cooling Requirements
  Etc...

Storey
- Global Unique ID
- Owner History
- Name
- Heating Requirements
- Cooling Requirements
  Etc...

Space
- Global Unique ID
- Owner History
- Name
- Heating Requirements
- Cooling Requirements
  Etc...

IDM Package "Facade performance engineering F 33-21 31 17 31 11"
7 │ Example of IDM Package

Identification
Geometry
U-value
g-value
Etc.

ORM

IRM
8 | Example of IDM Package

WMR
55%

ORM

IRM

Identification
Geometry
U-value
g-value
Etc.
Example of IDM Package
10  From generic use to project-specific use

<table>
<thead>
<tr>
<th>Architecture</th>
<th>Structural Engineering</th>
<th>Mechanical Engineering</th>
<th>Façade Performance Engineering</th>
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<td>E</td>
<td>F</td>
<td>G</td>
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From generic use to project-specific use
11 | Information flow management enhancement
12 | Potential of developed IDM Framework

Software tools ✓

IDM integration ✓

Project manager ✓
13 | Thank you for listening