OmniClass™ Tables and Classification of Facility Information

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ISO

OASIS  IEEE  W3C  BSI  ASTM  ANSI

‘Big S’ International & National ‘Standards about Standards’ Bodies

OGC  bSA  OSCRE  RESO  MISMO

Industry Standards Development Bodies

Implementer/Supplier
(Software & Products)

bSDD
OmniClass
UniClass
UN/CEFACT

Content Standards

End Users
(Adopters)

IFMA
BOMA
CoreNet Global
CURT
AI
CSI

Industry Associations

$
CSI produces a number of Standards and Formats that present a suite of solutions for information management and use.
Classification of Construction Industry Information

- ISO TC59/SC13/WG2 started (1988)
OmniClass Tables:

11 Const. Entities by Function
12 Const. Entities by Form
13 Spaces by Function
14 Spaces by Form

21 Elements – *(UniFormat)*
22 Work Results – *(MasterFormat)* (revisions balloted in v3.0)

23 Products

Balloted with NBIMS-US v2.0
Being Balloted with NBIMS-US v3.0
To be Balloted for a future version of NBIMS-US

31 Phases
32 Services
33 Disciplines
34 Organizational Roles
35 Tools
36 Information

41 Materials
49 Properties
<table>
<thead>
<tr>
<th>OmniClass Number</th>
<th>Level 1 Title</th>
<th>Level 2 Title</th>
<th>Level 3 Title</th>
<th>Level 4 Title</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>13-31 00 00</td>
<td><strong>Education and Training Spaces</strong></td>
<td></td>
<td></td>
<td></td>
<td>Space used for education.</td>
</tr>
<tr>
<td>13-31 11 00</td>
<td>Breakout Space</td>
<td></td>
<td></td>
<td></td>
<td>A space associated with a classroom or training room that is designated for discussions, side meetings, and breaks.</td>
</tr>
<tr>
<td>13-31 13 00</td>
<td>Lecture and Classroom</td>
<td></td>
<td></td>
<td></td>
<td>Spaces used for classes, lectures, symposiums, and speeches.</td>
</tr>
<tr>
<td>13-31 13 11</td>
<td>Lecture Classroom</td>
<td></td>
<td></td>
<td></td>
<td>A room in which teaching or learning activities can take place.</td>
</tr>
<tr>
<td>13-31 13 13</td>
<td>Classrooms (age 9 plus)</td>
<td></td>
<td></td>
<td></td>
<td>A room in which teaching or learning activities can take place for older children, ages 9 and over.</td>
</tr>
<tr>
<td>13-31 13 15</td>
<td>Classrooms (ages 5–8)</td>
<td></td>
<td></td>
<td></td>
<td>A room in which teaching or learning activities can take place for younger children, ages 8 and younger.</td>
</tr>
<tr>
<td>13-31 13 17</td>
<td>Lecture Hall (Fixed Seats)</td>
<td></td>
<td></td>
<td></td>
<td>A large room used for instruction, typically at a college or university, with a capacity in the hundreds.</td>
</tr>
<tr>
<td>13-31 13 19</td>
<td>Assembly Hall</td>
<td></td>
<td></td>
<td></td>
<td>A hall where many students and teachers can congregate.</td>
</tr>
<tr>
<td>13-31 13 21</td>
<td>Seminar Room</td>
<td></td>
<td></td>
<td></td>
<td>A space for conducting a course offered for a small group of advanced students.</td>
</tr>
<tr>
<td>13-31 15 00</td>
<td>Class Laboratories</td>
<td></td>
<td></td>
<td></td>
<td>A space used primarily for formally or regularly scheduled instruction that require special purpose equipment or a specific space.</td>
</tr>
<tr>
<td>13-31 15 11</td>
<td>Open Class Laboratory</td>
<td></td>
<td></td>
<td></td>
<td>An educational space that provides controlled conditions in which scientific research,</td>
</tr>
</tbody>
</table>
Faceted Classification

Color Table

Shape Table

Materials Table

PARENT CONCEPT
Child Concept
Child of Child Concept
Child of Child Concept
Child of Child Concept
Child of Child Concept

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Object = Red Rubber Ball
NIH Space Standards

Space Type: Biochemistry
Floor Area: 6.50 M$^2$ (185.5 SF)
Equipment / Furniture: Fume hood and/or BSC, epoxy sink w/eyewash, drying racks, tall storage cabinet, cylinder restraints, case work with acid proof work surfaces w/shelves, refrigerator, freezer, under-counter refrigerators, flammable liquid storage cabinet, corrosives storage cabinet, bench top centrifuges, desk and chair, recycle bins and safety shower.
Support Spaces (shared): 40c cold room, free standing equipment room and ice support room.
Ceiling Height: 3.0 M (9’-6”).
What’s In A Name?
OmniClass & BOMA space accounting

<table>
<thead>
<tr>
<th>Prorations</th>
<th>FU</th>
<th>Floor Usable</th>
</tr>
</thead>
<tbody>
<tr>
<td>BV</td>
<td>Building Common</td>
<td></td>
</tr>
<tr>
<td>BU</td>
<td>Building Usable</td>
<td></td>
</tr>
<tr>
<td>SC</td>
<td>Site Common</td>
<td></td>
</tr>
<tr>
<td>CC</td>
<td>Corporate Common</td>
<td></td>
</tr>
<tr>
<td>BA</td>
<td>Building Amenities</td>
<td></td>
</tr>
<tr>
<td>OS</td>
<td>Occupant Storage</td>
<td></td>
</tr>
<tr>
<td>PK</td>
<td>Parking</td>
<td></td>
</tr>
<tr>
<td>NA</td>
<td>Not used in calculations</td>
<td></td>
</tr>
</tbody>
</table>

OmniClass™ Table 13 - Spaces by Function (5/23/2011)
OmniClass Status

• 2012-2014 Review Cycle under way now
• Working Groups for:
  • Spaces
  • Activities and Process
  • Products
• Revised drafts of these tables in mid-2014
• OmniClass Development Committee approval for these drafts planned for summer 2014
OmniClass Users:
- Owners with portfolios to manage
- Incorporated in standards & software
- CSI education available in calendar 2014

New beta here: [http://beta.omniclass.org](http://beta.omniclass.org)
- Web services for software
- More formats for table distribution
- Increased database functionality
To join the OmniClass Development Committee:

omniclass@csinet.org

More information:

www.csinet.org
www.omniclass.org
www.buildingsmartalliance.org

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