

Candidate Application Information sheet

Certification Date 2001-05-23

Application Name and Version

IFC Model Exchange Add-on to Microsoft Visio Professional (Version 2002)

Software Company & Contact info

Microsoft Corporation

Building Tools Division

2211 Elliott Avenue, Suite 600

Seattle, WA 98119

Availability

Available as "Technology Preview" to selected BLIS pilot projects

Application Description

Drawing and diagramming for dozens of drawing types.

View

- 1) Architectural design → Quantities takeoff
- 2) HVAC design → Quantities takeoff
- 3) Architectural design → Thermal load calculations / HVAC system design
- 4) CAD / Visualization

IFC Implementation Type

Read/Write

IFC Data Import

<u>Concept group</u>	<u>Concepts supported</u>
Containment and Grouping	All
Units and measure	All
Spatial model	All
Building elements	All
Building materials	All
Actors	All
Cost model	All
Properties and PropertySets	All but 2 listed in limitations
Geometry	All but 18 listed in limitations
Relationships	All
Other	All

IFC Data Export (if relevant)

<u>Concept group</u>	<u>Concepts supported</u>
Containment and Grouping	All
Units and measure	All
Spatial model	All
Building elements	All
Building materials	All
Actors	All
Cost model	All
Properties and PropertySets	All but 2 listed in limitations
Geometry	All but 18 listed in limitations
Relationships	All
Other	All

Other

Visio Professional is a drawing and diagramming application that can be used to quickly and easily create IFC models. It supports all BLIS views of IFC R2.0 for which certification testing has been developed and has undergone extensive testing with most BLIS partners. The installed base for all versions of Visio is approaching 6 million end users. The IFC Model Exchange add-on is targeted to the Visio Technical and Visio Professional installed base of 750,000.

Limitations relative to documented BLIS concepts

Property concepts not supported at this time:

- 1) Space program properties (not required in certified BLIS views)
- 2) Space thermal properties (not required on 'design' side of Thermal view)

Geometry concepts not supported at this time:

- 1) Extruded solid: arbitrary, clipped
- 2) Extruded solid: arbitrary, slanted
- 3) Extruded solid: arbitrary, clipped, slanted
- 4) Extruded solid: arbitrary, multiple segments
- 5) Extruded solid: circular, clipped
- 6) Extruded solid: circular, slanted
- 7) Extruded solid: circular, clipped, slanted
- 8) Extruded solid: circular, multiple segments
- 9) Extruded solid: curved, clipped
- 10) Extruded solid: curved, slanted
- 11) Extruded solid: curved, clipped, slanted
- 12) Extruded solid: curved, multiple segments
- 13) Extruded solid: rectangular, clipped
- 14) Extruded solid: rectangular, slanted
- 15) Extruded solid: rectangular, clipped, slanted
- 16) Extruded solid: rectangular, multiple segments
- 17) Revolved solid: rectangular, clipped
- 18) Boundary Rep