

Candidate Application Information sheet

Certification Date 2001-05-23

Application Name and Version

PECAD V1.0

Software Company & Contact info

Timberline Software Corporation

15195 NW Greenbrier Parkway, Beaverton, Oregon 97006, USA

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Availability

Will be commercially available

Application Description

PECAD imports IFC 2.0 files, identifies and retrieves project objects of types supported, and performs automated quantity takeoff and cost estimating. Object cost information will be exported back to the IFC files.

View

Architectural design to Quantity takeoff

HVAC design to Quantity takeoff

IFC Implementation Type

Read/Write

IFC Data Import

PECAD will import the following concepts:

- Project
- Site
- Building
- Building Story
- Slab (not including slab openings)
- Column
- Wall (including 2D reference line layout for straight walls)
- Wall Opening
- Window
- Door
- HVAC Objects including:
 - Duct (Straight, Flexible)
 - Duct Junction
 - Duct Terminal
 - Duct Transition
 - Bend

IFC Data Export (if relevant)

- Cost Element
- Cost Schedule
- Cost
- Document Reference
- Owner History

Other

PECAD retains data integrity of the IFC objects in the input IFC files during round trip data exchanges. This means that the exported IFC files containing cost data from PECAD will still include accurate data for the object types that are not needed or supported by PECAD. No data will be lost during the import and export process by PECAD. Due to the nature of PECAD functionality and priorities of the software requirements, the following concepts are not currently supported by PECAD. These concepts will not appear in the PECAD UI as objects.

- Asset objects such as furniture and furnishing objects
- Space
- Zone
- System
- Beam
- Openings for slabs
- Material
- Detailed geometry of building elements
- Curved Wall reference layout