# Solid Edge License Overview

## Introduction:

This document provides a brief overview of Solid Edge License terms and options.

Solid Edge has 3 general product types.  The document covers the basic types and how they interact.

**Products**: A single software offering such as Solid Edge Classic.

**Bundles:** The Solid Edge Premium product that includes Solid Edge Classic plus Simulation, Xpress Route and Wire Harness.

**Add-ons:** Add on modules such as Simulation, Xpress Route and Wire Harness, Mold Tooling, etc.

## License Types:

There are 2 types of Solid Edge licenses -- 'Node Locked' or 'Floating.

**Node Locked** licenses allow Solid Edge to be locked to a specific machine and are typically used by smaller customers or customers who need full-time portability.  For example laptop users that are not typically connected to a network.

Node locked Installations lock a single license to a specific machine based on a unique number called a Composite Host ID (CID).  Because Solid Edge is tied to a specific machine it's not practical to share a license among multiple users.

**Floating Licenses** make more efficient use of fewer licenses by sharing them across a network.  Floating licenses are typically used by companies with more than 2-3 copies of Solid Edge.

Floating licenses are installed on as many computers as needed, but the license manager limits use to the number of simultaneous licenses contained in the license configuration.  Floating licenses allow users to acquire a license of Solid Edge on demand, providing the number of licenses allocated is not exceeded. This makes deploying floating licenses an attractive option for sharing licenses among users and allowing FlexLM to manage simultaneous usage among the users.

There are 2 license security mechanisms for floating licenses -- the standard method uses a USB dongle. The Unique Host ID method is tied to the Ethernet card of the license server.

**Add-on modules** are purchased products that add additional capabilities to Solid Edge.  XpresRoute, Wire harness and Solid Edge Simulation are add-on modules. They are not stand-alone applications and require a license of Solid Edge to run.

When Floating Add-on Modules are used in conjunction with Floating Solid Edge Classic Licenses, the add-on modules float independently of the Classic Licenses. For example, 100 Solid Edge Classic users can share 10 Add-On Xpress Route Modules.

In this case, the Add-on License is only consumed while the Add-on module is running and is immediately released when the Add-on Module is no longer in use.

In contrast, if the add-on module is included in a Premium Bundle, the Add-on license is checked out along with the Classic License and is only released when the Classic License is released. The Premium License floats as a Bundle. When part of the Premium bundle, the Add-ons do not float independently of the Classic License.

## Home Use

If the software is permanently stored on the hard disk or other storage medium of a standalone computer and only one person uses that computer more than 80% of the time, then that same person may also use the software either on a portable computer or on a home computer. Home use is available with both node-locked and floating license schemes.

Home use allows customers to grant licenses for use on employees home machines, they are not intended to extend commercial licenses. Home use licenses may not be available in some countries.

Home use licenses expire every 6 months, but can be renewed for an additional 6 months. Issuing home use licenses in 6-month increments helps protect companies from ex-employees being able to run a copy of Solid Edge for an indefinite period.

Home use licenses are only available to customers who have a current maintenance contract.

## Travel Licenses

Travel licenses allow maintenance paying customers to temporally use Solid Edge off site. Customers are granted 30 days per year travel allowance for each Solid Edge license they own (the count is reset on Jan 1 each year). For example if a customer has 5 Solid Edge Classic licenses, they will be granted 5x30 (150) days for Solid Edge Classic each year.

Customers can generate licenses from 1 to 30 day duration per trip which will automatically expire after this duration. Travel license allocation is centrally tracked by the Siemens PLM Software license site, so each time a travel license is granted, the site automatically decrements the count from their allocated licenses. A travel license locks the license to specific machine using the same locking methodology as a node locked license. It allows customers to extend their license count by a maximum of $1/12_{th}$ of their official allocation. They are not intended to duplicate official licenses.

## License Borrowing

Customers with floating licenses can use 'license borrowing' in addition to the travel license to provide a convenient alternative way to easily grant off site use of Solid Edge.

License Borrowing allows a user to check a license out of the floating license pool on a temporary basis. For example, if you have 20 floating licenses and one is "borrowed", the number available in the floating license pool is decreased to 19. Borrowed licenses are checked out for a specific period of time and expire at the end of that time period. They can also be checked back in earlier than the expiration date if needed. In order to borrow a license, the individual must be connected to the company network.

Home use, Travel and License Borrowing require a current maintenance contract. These license types may not be available in all countries.

Finally, FlexLM has many options for deploying and managing a floating Solid Edge configuration which are outside the scope of this document. These include setting up groups of users to specify access to various license types and even identifying a specific license for a specific user. Details are included on the Solid Edge delivery DVD in the following directory: *Solid Edge\ResKit\License Manager\FLEXlm User Guide* folder.