

PRSIM - System Requirements (Released and Unreleased Editions)

This document covers requirements for installing, licensing, and running the PRSIM Released editions v1.0.0 and v1.1.0, and the Unreleased BETA Edition.

1. USAGE

Category	Requirements
Operating System	<p>Supported on the following 64-bit editions of Microsoft® Operating Systems:^[1]</p> <ul style="list-style-type: none"> Officially Supported: Windows 7 SP1 64-bit, Windows 10 64-bit Appears to work on Windows 11 <p>Not supported on any of the following Microsoft® Windows Operating Systems:</p> <ul style="list-style-type: none"> A 32-bit edition Windows XP, Windows Vista, Windows 7 SP0 For PRSIM v1.0.1+: Windows 8, Windows 8.1
Prerequisite Software	<p>For PRSIM v1.0.0:</p> <ul style="list-style-type: none"> Microsoft® Visual C++ 2017 Redistributables (x86 and x64), minimum^[2] Microsoft® .NET Framework 4.6.1 Full, minimum^[3] <p>For PRSIM v1.1.0 and PRSIM BETA:</p> <ul style="list-style-type: none"> Microsoft® Visual C++ 2022 Redistributables (x86 and x64)^[2] Microsoft® .NET Framework 4.8, minimum^[3]
Launching and Running	Microsoft® Windows User privileges
Licensing	See Section 3
Execution Permissions	<p>The PRSIM application executable file must be whitelisted in all protection software:</p> <ul style="list-style-type: none"> C:\Program Files (x86)\PRSIM\<version>\bin\win64\PRSIM.exe
Folder Permissions	<p>The following sub-folders will be created, and the user must have full file/folder permissions:</p> <ul style="list-style-type: none"> For your settings files: C:\Users\Public\Documents\Manitoba Hydro International\Licensing\Settings For your log files: C:\Users\Public\Documents\Manitoba Hydro International\Licensing\Logs

2.a INSTALLATION – Installer Utility

Category	Requirements
Operating System	<p>Any of the following Microsoft® Windows Operating Systems (64-bit editions):</p> <ul style="list-style-type: none"> Preferred: Windows 7 SP1, Windows 10 Other: Windows 11, Windows Server 2008 R2 SP1 or better, Windows Servers 2012/2016/2019/2022 <p>Note - It may be possible to run on a virtual machine. Contact Support for details.</p> <p>Not supported on Windows 7 SP0 or older, or Windows 8, or Windows 8.1</p>
Downloading	Internet connection

Running	<ul style="list-style-type: none"> Microsoft® Windows Administrator privileges The user must have full permissions for the following path: C:\Users\Public\Documents\
Log File Folder Permission	The following sub-folder will be created, and the user must have full file/folder permissions: C:\Users\ <Your_UserId> \AppData\Local\Manitoba HVDC Research Centre\Installer

2.b INSTALLATION – MyUpdater

Category	Requirements
Access to Product Downloads	Add the first or both of the following URLs to all anti-virus/firewall whitelists: <ul style="list-style-type: none"> https://products.pscad.com ftp://ftps.pscad.com
Installing	Microsoft® Windows Administrator privileges Internet connection
Launching (to Install or Update Software)	Microsoft® Windows Administrator privileges Internet connection
Launching (to Uninstall Software)	Microsoft® Windows Administrator privileges
Launching (to Launch Installed Software)	Microsoft® Windows User privileges (unless otherwise specified)
Connection to Publication Server	Add the first or both of the following URLs to all anti-virus/firewall whitelists: <ul style="list-style-type: none"> http://publisher.pscad.com:80/ net.tcp://publisher.pscad.com:443/
Supported Protocols	TLS 1.0, TLS 1.1, TLS 1.2

3. CERTIFICATE LICENSING^[4]

Category	Requirements
Certificate	MyCentre user account with access to a licensed WorkGroup
Operational Requirements	Supported on a local desktop, or remote desktop, or over virtual private network (VPN). Not guaranteed in a cloud desktop environment, but could be verified using diagnostic tools.
Connection to the License Server	Add the following two URLs to all anti-virus/firewall whitelists: <ul style="list-style-type: none"> http://licensing.pscad.com:80/Licensing net.tcp://licensing.pscad.com:443/Licensing
Activate/Release/Refresh a Certificate	Microsoft® Windows User Privileges Internet connection
Using Certificates	<p>The following sub-folders will be created for certificates:</p> <ul style="list-style-type: none"> Path: C:\Users\user_id\AppData\Local\Manitoba Hydro International\Licensing\Licenses Required permissions: FullControl for <Your_UserId> <p>The following sub-folder should already exist and will be used:</p> <ul style="list-style-type: none"> Path: C:\ProgramData\Microsoft\Crypto\RSA\MachineKeys Required permissions: Read, Write for Everyone
Supported Protocols	For PRSIM v1.0.0: TLS 1.0

For PRSIM v1.1.0 and PRSIM BETA: TLS 1.0, TLS 1.1, TLS 1.2

4. DIAGNOSTIC TOOLS

Category	Requirements
Viewing Log Files	Microsoft® Windows User Privileges

Notes

1. PRSIM is not supported on a 32-bit operating system.
2. Both the 32-bit and 64-bit editions of Visual C++ Redistributables are required.
If this prerequisite software is not already installed, the user will be prompted to install it when PRSIM is installed.
3. If this prerequisite software is not already installed, the user will be prompted to install it when PRSIM is installed.
4. The Fortran Medic Utility should be used to configure a machine for certificate licensing as per this [article](#).

DOCUMENT TRACKING

Rev.	Description	Date
0	Initial	14/Feb/2019
1	Correction to software naming convention	14/Aug/2019
2	Update to folder permissions in Chart 3	27/Oct/2020
3	Update to title and addition of introductory sentence Update to requirements and additional notes Update to v1.0.1	09/Oct/2021
4	Corrected Release Number from v1.0.1 to v1.1.0 Minor fixes	03/Nov/2022
5	Corrections to Prerequisite software and TLS Protocols	03/Nov/2022
6	Minor correction to prerequisite software	03/Nov/2022
7	Update to Chart 2.b	08/Dec/2022