STN® Product System Requirements

This document contains system requirements for STN products including:

- Requirements for STNex™
- Requirements for New STN® platform
- Requirements for STN Express® and STN® on the Web™
- Requirements for STN Easy® and STN® AnaVist™
- Requirements for PatentPak® in STN Express

May 2018
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Operating System (OS) and Browser Support

= supported

<table>
<thead>
<tr>
<th>Windows</th>
<th>Internet Explorer</th>
<th>Edge</th>
<th>Firefox</th>
<th>Chrome</th>
</tr>
</thead>
<tbody>
<tr>
<td>Windows 7</td>
<td>✓</td>
<td>✓</td>
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<td>Windows 8.1</td>
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<tr>
<td>Windows 10</td>
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<thead>
<tr>
<th>Macintosh</th>
<th>Safari</th>
<th>Firefox</th>
<th>Chrome</th>
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<tr>
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<tr>
<td>OS 10.11</td>
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<td>✓</td>
<td>✓</td>
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<tr>
<td>OS 10.12</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
</tbody>
</table>

Hardware
- Recommended monitor resolution is 800x600 pixels or higher.
- Recommended screen size is maximized.

Software
- JavaScript must be enabled.
- The ability to make a secure web connection to https://next.stn.org/ connection is similar to the connection a web browser makes and uses HTTPS (secure HTTP) and communications port 443.
New STN Platform

Hardware Support

Computer
- 3GHz Core Duo CPU
- 2 GB RAM

Software Support

Recommended Systems and Browsers
- Windows 7: Internet Explorer 8 or higher; Firefox 45 or higher; Chrome 44 or higher
- Windows 10: Internet Explorer 11 and Edge; Firefox 45 or higher; Chrome 52 or higher

Internet Connection Requirements:
Check with your organization's Site Administrator, Key Contact, or help desk before changing any settings to conform to these requirements.
- SSL connection using https://www.stn.org/stn/
- http connection on port 80 to chemport.cas.org for full-text linking

Additional Recommendations and Requirements:
- JavaScript and cookies must be enabled.
- Add https://www.stn.org/stn/ to your browser’s "Trusted Sites" and Pop-up blocker Exceptions lists.
- A PDF reader is required for printing STN answers and other information. Adobe Reader can be used with Windows computers.
Hardware Support

Computer
- Microsoft® Windows® compatible PC
- Minimum: Pentium® 4 (2.4 GHz)
- Recommended: Intel compatible multi-core processor (2.0+ GHz preferred)

Memory (Minimum)
- 512 MB RAM or recommended minimum for your operating system if higher
- 768 MB RAM to use CAS Registry BLAST, Analyze Plus or post-processing tools
- 2+ GB RAM (recommended)

Available Hard Disk Space
- 205+ MB
- 190 MB required when installation includes CAS Registry BLAST and Merged Markush Service (MMS)
- 15+ MB recommended for transcripts, tables, reports, etc.

Network Connections
- Connection to STN requires either the telnet protocol through port 23 (standard Winsock connection) or the HTTPS protocol through port 443 (SSL/VPN connection)
- Automatic updating of support files and access to online Help requires an HTTP application-level connection through port 80
- Access to CAS REGISTRY BLAST requires an HTTPS application-level connection through port 443
- Access to CAS Full Text Options requires either an HTTP application-level connection through port 80 or an HTTPS application-level connection through port 443 (based on user preference)
- PatentPak™ Interactive Viewer requires either HTTP or HTTPS application-level connection through port 80 or 443

Software Support

Operating System and Web Browser
- Microsoft Windows 7 (Windows 7 Starter version is not supported), Windows 8 or 8.1 and Windows 10 (STN Express 8.6 only)
- Microsoft Internet Explorer®, Version 9.0 or higher, or Mozilla® Firefox® Version 45 or ESR Version 45 or higher, Chrome 44 or higher. (Note: Chrome 45 and Firefox 52 or higher do not support Java)
- ActiveX®, Java™ and JavaScript™ must be enabled

Additional Software
- Microsoft Excel® 2003, 2007 or 2010 for the Analyze Plus Wizard or CAS Registry Number® and Role Report Wizard
- Adobe Reader for viewing PDF outputs for tables, reports and transcripts
Operating System (OS) and Browser Support

✅ = supported

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<tr>
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<th>Edge +++</th>
<th>Firefox ++</th>
<th>Chrome +</th>
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<tbody>
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<td>11</td>
<td>✗</td>
<td>#</td>
<td></td>
<td>✗</td>
</tr>
</tbody>
</table>

*= 32-bit version only
# = Desktop version only
++ = Structure Drawing and BLAST Plugins are not supported in Chrome Version 45 and higher
+++ = Structure Drawing and BLAST Plugins are not supported in Firefox Version 53 and higher
++++ = Structure Drawing and BLAST Plugins are not supported in Edge

Hardware
- Recommended monitor resolution is 800x600 pixels or higher.
- Recommended screen size is maximized.

Software
- JavaScript must be enabled.
- A free graphical structure search browser plug-in is available for Windows platforms.
- A free BLAST sequence search browser plug-in is available for Windows platforms. The BLAST application has the following additional hardware requirements:
  - At least a 200MHz processor
  - A minimum of 128MB of RAM (256MB recommended)
  - The ability to make a secure web connection to scifinder.cas.org. This connection is similar to the connection a web browser makes and uses HTTPS (secure HTTP) and communications port 443.
### Operating System (OS) and Browser Support

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<td></td>
<td>9 10 11 Edge</td>
<td>45 or higher</td>
<td>44 or higher</td>
</tr>
<tr>
<td>Windows 7</td>
<td>✓ ✓ ✓</td>
<td>✓</td>
<td>✓</td>
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<td>✓ ✓ ✓</td>
<td>✓</td>
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<td>9.0 or higher</td>
<td>45 or higher</td>
<td>44 or higher</td>
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</table>
Hardware Support

Computer
- Microsoft Windows compatible PC with at least a 1.5 GHz Pentium-class or equivalent processor
- Recommended: Intel compatible multi-core processor (2.0+ GHz preferred)

Memory (Minimum)
- 768 MB (RAM) minimum or operating system minimum if higher.
- 2+ GB or greater is recommended

Available Hard Disk Space
- 110 MB for installed software
- Up to 220 MB for installation

Connection
- Secure Sockets Layer (SSL, HTTPS) is used to establish a secure connection through port 443
- A broadband connection of 1 Mbps or faster, or a business-to-business Virtual Private Network (VPN) link to CAS, is recommended for optimal performance.

Monitor and Printer
- SVGA color monitor with minimum screen resolution of 1024x768 and 16 bit (65,000) colors
- High-quality laser or ink jet printer recommended

Software Support

Operating System
- Windows 7
- Windows 8 or 8.1
- Windows 10

Supported Web Browsers
- Microsoft Internet Explorer (MSIE), version 8 or newer (ActiveX, Java™, and JavaScript™ enabled)
- Mozilla Firefox, version 44 or newer (Java and JavaScript enabled)
- Chrome 44 or newer (Java and JavaScript enabled)

Software Needed to View Saved Answers and Reports
- RTF viewer such as Microsoft Word, PDF viewer such as Adobe Reader v6 or newer.