



## OPEN SOURCE REQUIREMENTS TOOL (OSRMT)

## Release Process

Day	Activity	Responsibility
1-3	<p>Review</p> <ul style="list-style-type: none"> <li>⑩ feedback we have received since last release</li> <li>⑩ code from contributors</li> <li>⑩ code from other open source initiatives</li> <li>⑩ new releases and announcement from: <ul style="list-style-type: none"> <li>➤ other free, open source RMT packages</li> <li>➤ commercial RMT products that compete directly with OSRMT</li> </ul> </li> </ul> <p>Select and document release goals (categories are listed below in descending order of priority)</p> <ul style="list-style-type: none"> <li>⑩ Fix errors in source and documentation that have been identified since last release</li> <li>⑩ Fix external security bugs that have been identified since last release</li> <li>⑩ Add features that were scheduled for the previous release but didn't make it in</li> <li>⑩ Add new features, enhance existing features</li> <li>⑩ Select Continuous Improvement goals (categories are listed below) <ul style="list-style-type: none"> <li>➤ Improve source (readability, maintainability, reliability, security, etc.)</li> <li>➤ Improve interface (usability, consistency)</li> <li>➤ Improve documentation and on-line help</li> </ul> </li> </ul> <p><b>We deliver a release at the end of every month; we set our release goals to ensure that outcome</b></p> <p>“RMT” means “Requirements Management Tool”</p> <p>All areas review, make suggestions and reach a consensus</p>	<p>Primarily Source with consultation</p> <p>We keep changes in descending order of priority and pick the top N that can be easily done in the time available</p> <p>All</p>
4-5	<p>Specify release requirements using OSRMT</p> <p>Review, make suggestions and reach a consensus</p>	<p>Source</p> <p>All</p>
6-9	<p>Design solution to achieve release requirements</p> <p>Review, make suggestions and reach a consensus</p>	<p>Source</p> <p>All</p>
10-23	<p>Create release branch of master copy</p> <p>Implement release goals:</p> <ul style="list-style-type: none"> <li>⑩ Write code and/or incorporate contributions</li> <li>⑩ Do independent code review</li> <li>⑩ Do static analysis</li> <li>⑩ Test code, both unit and feature (original developer do this)</li> </ul> <p>Use Continuous Integration with daily builds</p>	<p>Source</p>

Day	Activity	Responsibility
24-26	Validate release <ul style="list-style-type: none"> <li>⑩ Do complete build</li> <li>⑩ Do static analysis</li> <li>⑩ Test on supported operating systems and databases</li> <li>⑩ Do regression test</li> <li>⑩ Do volume test with 10 simultaneously active users</li> <li>⑩ Do beta test (download, install and test on at least two external sites)</li> </ul> Fix errors Update documentation, tutorial, FAQ, product description, release announcement, etc. Review, make suggestions and reach a consensus	Quality Assurance       Source Communications All
27	Update regression test to include unit tests of the new features Review our release process to improve it as part of Continuous Improvement Document process improvements	Source Communications
28-31	Rest and recover	Source
Last day of month	Update GitHub (code and text) master copy from release branch as a <u>single commit</u> Announce release on: <ul style="list-style-type: none"> <li>➤ GitHub, SourceForge, etc.</li> <li>➤ blogs, open source directories, magazines, newsletters, etc.</li> </ul>	Source Awareness