

# **Monthly Technical Status Report**

**LexEVS Operations and Maintenance  
Subcontract No. 16X237**

**May 2017**  
April 1 – April 30, 2017

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## A. Technical Overview

Sprint 53 (March 30, 2017 - April 12, 2017) has been completed. In this sprint, LexEVS 6.4.1.4 patch was released and there was a release candidate 6.5.0 RC.1 that was built/deployed for testing. Additional unit tests were enabled for the LexEVS remote API. There has been work around gathering requirements for updating the value set architecture. There were also bugs fixed associated with the value set scripts.

Sprint 54 (April 13, 2017 - April 26, 2017) has been completed. In this sprint, the PTEs for the LexEVS 6.5.0 release have been updated/created. The LexEVS team collaborated with the NCI Systems team to set up the lexevs-system-test Jenkins/Docker scripts at NCI. There has been additional work to gather requirements for updating the value set architecture. The LexEVS 6.4.1.4 wiki documentation has been created. Work has also been started to migrate the lexgrid.org site from Mayo's server to GitHub.

Sprint 55 (April 27, 2017 – May 11, 2017) has been started, and will be reported on next month.

We also provided continued product maintenance and deployment support across all sprints.

Please see the weekly meeting notes for details:

<https://wiki.nci.nih.gov/display/LexEVS/LexEVS+16X237+Weekly+Meeting+Minutes>

### Issues Resolved Over the Covered Period

<b>Sprint</b>	<b>Activity</b>	<b>Description/Comments</b>
Sprint 53	<a href="#">LexEVS Development - Sprint 53</a>	LexEVS 6.4/6.5 Sprint 53 Stories
Sprint 53	<a href="#">LEXEVS-2879</a>	Run value set loading and removal scripts on the 6.4 DEV instance.
Sprint 53	<a href="#">LEXEVS-2881</a>	Investigate and provide support around RemoveValueSet script that is failing on data qa
Sprint 53	<a href="#">LEXSYSTEST-7</a>	6.5 branch of the system test project should use MySQL 5.6
Sprint 53	<a href="#">LEXEVS-2821</a>	6.5.0 Release: Update Release Notes for 6.5.0.
Sprint 53	<a href="#">LEXEVS-2830</a>	6.5.0 Release: Identify and label all 6.5.0 issues
Sprint 53	<a href="#">LEXEVS-2867</a>	6.4.1.4 Patch: Build artifacts for 6.4.1.4 patch
Sprint 53	<a href="#">LEXEVS-2874</a>	6.5.0. Release: Build Artifacts for 6.5.0.RC.1
Sprint 53	<a href="#">LEXEVS-2880</a>	Provide initial proposal for value set loading improvements
Sprint 53	<a href="#">LEXEVS-2884</a>	Unit tests for Tree Extension need to run regularly and as both local and remote tests
Sprint 53	<a href="#">LEXEVS-2891</a>	listAllResolvedValueSets() method in the value set service no longer returns all value sets consistently

<b>Sprint</b>	<b>Activity</b>	<b>Description/Comments</b>
Sprint 53	<a href="#">LEXEVS-2892</a>	Remove Resolved Value Set Script update for 6.4 was not an appropriate improvement
Sprint 53	<a href="#">LEXEVSCTS2-152</a>	6.5.0. Release: Build Artifacts for 6.5.0.RC.1
Sprint 53	<a href="#">LEXEVSREM-109</a>	6.4.1.4 Patch: Build artifacts for 6.4.1.4 patch
Sprint 53	<a href="#">LEXEVSREM-116</a>	6.5.0. Release: Build Artifacts for 6.5.0.RC.1
Sprint 53	<a href="#">LEXSYSTEST-4</a>	Docker Hub version of MySQL has been updated breaking current 6.4 script
Sprint 53	<a href="#">URIRESOLV-15</a>	6.5.0. Release: Build Artifacts for 6.5.0.RC.1
Sprint 54	<a href="#">LexEVS Development - Sprint 54</a>	LexEVS 6.4/6.5 Sprint 54 Stories
Sprint 54	<a href="#">LEXEVS-2812</a>	6.5.0 Release: Create LexEVS 6.5.0 PTEs to point to correct branches/tags
Sprint 54	<a href="#">LEXEVS-2823</a>	Docker: Work with Systems team to assist setup of lexevs-system-test
Sprint 54	<a href="#">LEXEVS-2840</a>	6.5.0 Release: Update Documents and Training section for 6.5.0
Sprint 54	<a href="#">LEXEVS-2842</a>	6.5.0 Release: Update Release Roadmap section for 6.5.0
Sprint 54	<a href="#">LEXEVS-2883</a>	Value Set Architecture - Document use case/requirements on the wiki.
Sprint 54	<a href="#">LEXEVS-2900</a>	Value Set Architecture - Present and decide approach for future implementation
Sprint 54	<a href="#">LEXEVS-2915</a>	6.4.1.4 Release: Complete Wiki documentation
Sprint 54	<a href="#">LEXEVS-2921</a>	Documentation: Review lexevs release wiki documentation
Sprint 54	<a href="#">LEXEVS-2924</a>	6.5.0 Release: Merge 6.5.0 branch to master
Sprint 54	<a href="#">LEXEVS-2928</a>	Create 6.5.0 PTE for URI Resolver
Sprint 54	<a href="#">LEXEVS-2929</a>	Create 6.5.0 PTE for LexEVS Admin
Sprint 54	<a href="#">LEXEVS-2933</a>	Update location of LexGrid/LexBIG model elements to a GitHub location
Sprint 54	<a href="#">LEXEVSCTS2-157</a>	6.5.0 Release: Merge 1.6.0 branch to master
Sprint 54	<a href="#">LEXEVSREM-125</a>	6.5.0 Release: Merge 6.5.0 branch to master
Sprint 54	<a href="#">URIRESOLV-20</a>	6.5.0 Release: Merge 1.1.0 branch to master

## **B. New Releases of the Software**

<b>Release</b>	<b>Description of the Release</b>
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<p>Release Date: Sprint 53 – April 1, 2017</p> <p>The LexEVS 6.4.1.4 patch release consists of the following two components:</p> <p>LexEVS API</p> <ul style="list-style-type: none"> <li>• LexEVS-install-config-6.4.1.4.FINAL.xml</li> <li>• LexEVS-install-6.4.1.4.FINAL.jar</li> <li>• extLib-6.4.1.4.FINAL.zip</li> <li>• lexbig-6.4.1.4.FINAL.jar</li> </ul> <p>LexEVS Remote API</p> <ul style="list-style-type: none"> <li>• lexevsapi64-6.4.1.4.FINAL.war</li> </ul>	<p>LexEVS 6.4.1.4 FINAL Release</p> <p>Highlights</p> <ul style="list-style-type: none"> <li>• NCIT loader upgraded to load OWL2 source.</li> <li>• Loader fixes.</li> <li>• Admin script fixes.</li> </ul> <p>Details of the features and defects fixed can be found here: <a href="#">LexEVS 6.4.1.4 Release Notes</a></p>
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### C. Presentations, Documentation Updates, Community Communication

Activity	Description of the Activity
Added new wiki pages for LexEVS 6.4.1.4 patch release	<ul style="list-style-type: none"> <li>• <a href="https://wiki.nci.nih.gov/display/LexEVS/LexEVS+6.4.1.4+Installation+Options">https://wiki.nci.nih.gov/display/LexEVS/LexEVS+6.4.1.4+Installation+Options</a></li> <li>• <a href="https://wiki.nci.nih.gov/display/LexEVS/LexEVS+6.4.1.4+Release+Notes">https://wiki.nci.nih.gov/display/LexEVS/LexEVS+6.4.1.4+Release+Notes</a></li> <li>• <a href="https://wiki.nci.nih.gov/display/LexEVS/LexEVS+6.4.1.4">https://wiki.nci.nih.gov/display/LexEVS/LexEVS+6.4.1.4</a></li> </ul>

### D. Outstanding Issues Being Actively Worked

Sprint	Activity/Issue	Description/Comments
Sprint 55	<a href="#">LexEVS Development - Sprint 55</a>	LexEVS 6.4/6.5 Sprint 55 Stories
Sprint 55	<a href="#">CTS2FW-52</a>	6.5.0 Release: Merge 1.3.0 branch to dev
Sprint 5	<a href="#">CTS2FW-55</a>	Boolean conversion of String is failing
Sprint 55	<a href="#">LEXEVS-2951</a>	6.5.0 Release: Merge 6.5.0 branch to dev
Sprint 55	<a href="#">LEXEVSCTS2-167</a>	6.5.0 Release: Merge 1.6.0 branch to dev
Sprint 55	<a href="#">LEXEVSCTS2-174</a>	Service fails to startup due to multiple SLF4J versions of the jar
Sprint 55	<a href="#">LEXEVSREM-128</a>	6.5.0 Release: Merge 6.5.0 branch to dev
Sprint 55	<a href="#">URIRESOLV-23</a>	6.5.0 Release: Merge 1.1.0 branch to dev
Sprint 55	<a href="#">LEXEVS-2955</a>	Value Set Architecture - Capture requirements in JIRA
Sprint 55	<a href="#">LEXEVSCTS2-130</a>	CTS2: https handshake error

## E. Critical Risks or External Dependencies

Activity/Issue	Description to corrective activity/issue
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## F. Status of Deliverables/Milestones Overview

We have created a project wiki site out on Confluence Wiki at:

- <https://wiki.nci.nih.gov/display/LexEVS/LexEVS+Project+16X237+Documents>

We have created a JIRA agile board for the LexEVS Development at:

- <https://tracker.nci.nih.gov/secure/RapidBoard.jspa?rapidView=374&view=planning.nodetail>

This table of contents breaks out into different areas to capture the weekly meeting notes, monthly technical status reports, an area for documentation and a brief summary. This site will evolve throughout the lifecycle of this project.

## G. Status of Deliverables

Deliverable/Milestone	Delivery Date	Status
Project Management Plan (PMP)	20 days following Project Kickoff	In Process
Project Financial Plan (PFP)	20 days following Project Kickoff	Complete
Maintenance of Software System	09/30/2017	In Process
Provide Technical Expertise	09/30/2017	In Process
Project Wiki	10/20/2017	Complete
Monthly Technical Reports:		
October 2016	11/10/2016	Complete
November 2016	12/10/2016	Complete
December 2016	01/10/2017	Complete
January 2017	02/10/2017	Complete
February 2017	03/10/2017	Complete
March 2017	04/10/2017	Complete
April 2017	05/10/2017	Complete

<b>Deliverable/Milestone</b>	<b>Delivery Date</b>	<b>Status</b>
Monthly Financial Reports:		
October 2016	11/10/2016	Complete
November 2016	12/10/2016	Complete
December 2016	01/10/2017	Complete
January 2017	02/10/2017	Complete
February 2017	03/10/2017	Complete
March 2017	04/10/2017	Complete
April 2017	05/10/2017	Complete
Project Summary Report	30 Days Before Project Completion	Not Started

## **H. Description of Work/Activities Planned for the next Month**

<b>Activity</b>	<b>Description</b>
LexEVS 6.5.0 Release	Prepare for Java 8/Tomcat 8/MySQL 5.6 supported release.
Value Set Architecture/Design	<ul style="list-style-type: none"> <li>Review value set workflow and browser requirements.</li> <li>Create design to satisfy the requirements.</li> <li>Start development on new value set architecture.</li> </ul>
REST Service Requirements Gathering	<ul style="list-style-type: none"> <li>Gather requirements from REST users.</li> <li>Begin design REST service(s) to satisfy the requirements.</li> </ul>
Continued support for LexEVS	Continue to work with the NCI team on new and existing issues.

## **I. Additional Reporting**

<b>Activity</b>	<b>Description</b>
Project Roadmaps	<ul style="list-style-type: none"> <li><a href="#">Roadmap 2017.04.25</a></li> <li><a href="#">Roadmap 2017.04.05</a></li> </ul>
Sprint Status	<ul style="list-style-type: none"> <li><a href="#">Sprint 53</a></li> <li><a href="#">Sprint 54</a></li> <li><a href="#">Sprint 55</a></li> </ul>