

# **Monthly Technical Status Report**

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

**July 2017**  
June 1 – June 30, 2017

**Submitted by:**

**Craig Stancl, Scott Bauer, Cory Endle**

**Date:**  
**July 10, 2017**

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## A. Technical Overview

Sprint 57 (May 25, 2017 – June 7, 2017) has been completed. In this sprint, there has been development work on value set workflow enhancements. Lexgrid.org domain was moved to a github location from a Mayo server. LexEVS 6.5.0 artifacts were built and made available for NCI to start deploying and testing on their different deployment tiers. New LexEVS 6.5.0 javadoc documentation was also generated and made available from the NCI LexEVS wiki.

Sprint 58 (June 8, 2017 – June 21, 2017) has been completed. In this sprint, LexEVS 6.5.0.1 has been built and made available. This release included an OWL2 loader fix. Continued development work on value set workflow enhancements has been done. LexEVS 6.5.0 code has been merged to NCI's git repositories. The Docker test script now pulls software images from NCI's internal Docker repository.

Sprint 59 (June 22, 2017 – July 7, 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 57	<a href="#">LexEVS Development - Sprint 57</a>	LexEVS 6.5 Sprint 57 Stories
Sprint 57	<a href="#">LEXEVS-2839</a>	6.5.0 Release: (post release) Add 6.5.0 FINAL artifacts to sftp site
Sprint 57	<a href="#">LEXEVS-2841</a>	6.5.0 Release: (post release) Update Installation and Downloads section for 6.5.0
Sprint 57	<a href="#">LEXEVS-2882</a>	6.5.0 Release: (post release) Update Documents and Training section for 6.5.0
Sprint 57	<a href="#">LEXEVS-2961</a>	VS Workflow: Remove Dependency on value set definition files for NCIt defined Value Sets
Sprint 57	<a href="#">LEXEVS-2962</a>	VS Workflow: Generate all NCIt sourced resolved value set coding schemes from NCIt source in LexEVS
Sprint 57	<a href="#">LEXEVS-2970</a>	Move LexGrid.org to github.io page
Sprint 57	<a href="#">LEXEVS-2989</a>	Prioritize Value Set Related Implementations
Sprint 57	<a href="#">LEXEVS-3000</a>	Set up Collaboration with ASU
Sprint 57	<a href="#">LEXEVS-3014</a>	6.5.0 Release: (post release) Update javadocs for 6.5.0
Sprint 57	<a href="#">LEXEVS-3032</a>	Investigate options to pull from different Docker repositories

<b>Sprint</b>	<b>Activity</b>	<b>Description/Comments</b>
Sprint 57	<a href="#">LEXEVS-3040</a>	Investigate LexEVS API for creating/updating entities
Sprint 57	<a href="#">LEXEVS-3042</a>	Extraneous extra spaces caused by line return fix
Sprint 57	<a href="#">LEXEVS-3046</a>	6.5.0.1 Release: Build Artifacts for 6.5.0.1.RC.1
Sprint 58	<a href="#">LexEVS Development - Sprint 58</a>	LexEVS 6.5 Sprint 58 Stories
Sprint 58	<a href="#">CTS2FW-66</a>	Code Management: Merge code from 1.3.0 branch to other branches
Sprint 58	<a href="#">LEXEVS-2499</a>	Code Management: Work with NCI to push LexEVS branches to the NCIP channel
Sprint 58	<a href="#">LEXEVS-3015</a>	Code Management: Merge code from 6.5.0 branch to other branches
Sprint 58	<a href="#">LEXEVS-3057</a>	Value Set - Definition for LexEVS Value Set Definition Asserted Source Task
Sprint 58	<a href="#">LEXEVS-3067</a>	Value Set: Thread management for resolved value set loads
Sprint 58	<a href="#">LEXEVS-3071</a>	Value Set Publishing Value Needs to be used to determine VS Loads
Sprint 58	<a href="#">LEXEVS-3072</a>	Code Management: 6.5.0.1 Release: Build Artifacts for 6.5.0.1.FINAL
Sprint 58	<a href="#">LEXEVS-3073</a>	We want to merge all Value Set workflow branches to single development branch
Sprint 58	<a href="#">LEXEVS-3074</a>	Value Set: Create User Defined property name parameter for Concept Domain
Sprint 58	<a href="#">LEXEVS-3092</a>	Hierarchy Source adjustment in LEXEVS-1300 fix creates an unsupported association
Sprint 58	<a href="#">LEXEVS-3096</a>	Merge Dev into Value Set Work Flow branch and test
Sprint 58	<a href="#">LEXEVS-3101</a>	Code clean up including refactoring, additional testing, any minor issues
Sprint 58	<a href="#">LEXEVS-3105</a>	Hierarchy design/Investigation
Sprint 58	<a href="#">LEXEVSCTS2-182</a>	Code Management: Merge code from 1.6.0 branch to other branches
Sprint 58	<a href="#">LEXEVSCTS2-186</a>	Code Management: Work with NCI to push of Lexevs-service branches to the NCIP channel
Sprint 58	<a href="#">LEXEVSREM-136</a>	Code Management: Merge code from 6.5.0 branch to other branches
Sprint 58	<a href="#">LEXEVSREM-141</a>	Code Management: Work with NCI to push LexEVS Remote branches to the NCIP channel
Sprint 58	<a href="#">LEXSYSTEST-15</a>	Code Management: Merge code from 6.5.0 branch to other branches
Sprint 58	<a href="#">LEXSYSTEST-19</a>	DevOps: Update docker test scripts to pull images from NCI Docker

## B. New Releases of the Software

Release	Description of the Release
<p>Release Date: Sprint 58: June 8, 2017 – June 21, 2017</p> <p>The LexEVS 6.5.0.1 release consists of the following components:</p> <p>LexEVS API</p> <ul style="list-style-type: none"> <li>LexEVS-install-config-6.5.0.FINAL.xml</li> <li>LexEVS-install-6.5.0.FINAL.jar</li> <li>extLib-6.5.0.FINAL.zip</li> <li>lexbig-6.5.0.FINAL.jar</li> </ul>	<p>LexEVS 6.5.0.1 FINAL Release</p> <p>Highlights</p> <ul style="list-style-type: none"> <li>Emergent fix for formatting issues around equivalent class restriction text</li> </ul> <p>Details of the features and defects fixed can be found here: <a href="#">LexEVS 6.5.0.1 Release Notes</a></p>

## C. Presentations, Documentation Updates, Community Communication

Activity	Description of the Activity
Added new wiki page for LexEVS 6.5.0.1 release	<ul style="list-style-type: none"> <li><a href="https://wiki.nci.nih.gov/display/LexEVS/LexEVS+6.5.0.1+Release+Notes">https://wiki.nci.nih.gov/display/LexEVS/LexEVS+6.5.0.1+Release+Notes</a></li> </ul>
Collaboration with ASU	<ul style="list-style-type: none"> <li>The AppwWorks team at ASU has an interest in creating Docker containers for running LexEVS. These Docker containers could then be published to the future HSPC Marketplace.</li> <li>The ASU team has agreed to perform the work and push the artifacts back to the LexEVS git and Docker repositories.</li> </ul>
Brazilian user working with LexEVS	<ul style="list-style-type: none"> <li>The LexEVS team has been corresponding to a user that posted coding scheme mapping questions via the git LexEVS repository.</li> </ul>

## D. Outstanding Issues Being Actively Worked

Sprint	Activity/Issue	Description/Comments
Sprint 59	<a href="#">LexEVS Development - Sprint 59</a>	LexEVS 6.5 Sprint 59 Stories
Sprint 59	<a href="#">LEXEVS-3063</a>	Implement Value Set Tree Integration for Browser API
Sprint 59	<a href="#">LEXEVS-3121</a>	Value Set (Browser) Create initial index for coding schemes (resolved value sets)
Sprint 59	<a href="#">LEXSYSTEMEST-27</a>	Fix NCI Jenkins dev branch build

## 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 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
May 2017	06/10/2017	Complete
June 2017	07/10/2017	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
May 2017	06/10/2017	Complete
June 2017	07/10/2017	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	<ul style="list-style-type: none"> <li>Support NCI as this release moves up the tiers.</li> </ul>
Value Set Architecture/Design	<ul style="list-style-type: none"> <li>Complete development on new value set architecture.</li> <li>Review with NCI team.</li> </ul>
Docker and LexEVS Integration	<ul style="list-style-type: none"> <li>Investigate ability to deploy a Docker container of LexEVS on NCI's development server.</li> </ul>
CTRP Support	<ul style="list-style-type: none"> <li>Support CTRP for using LexEVS REST services.</li> </ul>
Continued support for LexEVS	<ul style="list-style-type: none"> <li>Continue to work with the NCI team on new and existing issues.</li> </ul>

## **I. Additional Reporting**

<b>Activity</b>	<b>Description</b>
Project Roadmaps	<ul style="list-style-type: none"> <li><a href="#">Roadmap 2017.06.27</a></li> <li><a href="#">Roadmap 2017.06.20</a></li> <li><a href="#">Roadmap 2017.06.13</a></li> <li><a href="#">Roadmap 2017.06.06</a></li> </ul>

Activity	Description
Sprint Status	<ul style="list-style-type: none"><li data-bbox="857 237 1024 268">• <a href="#">Sprint 57</a></li><li data-bbox="857 279 1024 310">• <a href="#">Sprint 58</a></li><li data-bbox="857 321 1024 352">• <a href="#">Sprint 59</a></li></ul>