

# **Monthly Technical Status Report**

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

**October 2017**  
October 1 – October 31, 2017

**Submitted by:**

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## A. Technical Overview

Sprint 66 (September 28, 2017 – October 11, 2017) has been completed. In this sprint, there were two loader issues that were resolved. There were also value set updates and LexEVS tree updates completed. As part of this sprint, there was a 6.5.05 point release (loader update).

Sprint 67 (October 12, 2017 – October 25, 2017) has been completed. In this sprint, there has been a value set loader update, an investigation into value set performance, a history loader fix and an investigation into a mapping extension failure. As part of this sprint, there was a LexEVS 6.5.0.6 point release (loader update) and a LexEVS snapshot build of our development branch.

Sprint 68 (October 26, 2017 – November 8, 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 66	<a href="#">LexEVS Development - Sprint 66</a>	LexEVS 6.5 Sprint 66 Stories
Sprint 66	<a href="#">LEXEVS-3310</a>	6.5.0.5 Release: Build Artifacts for 6.5.0.5.FINAL
Sprint 66	<a href="#">LEXEVS-3220</a>	Determine if a NCIt Asserted Value Set has changed
Sprint 66	<a href="#">LEXEVS-3252</a>	OWL2 Loader -- For source and rep form, allow preferences to take codes
Sprint 66	<a href="#">LEXEVS-3299</a>	OWL2 Loader -- ChEBI load runs out of memory
Sprint 66	<a href="#">LEXEVS-3301</a>	I would like LexEVSTreeItem attributes to be made public or publicly accessible
Sprint 67	<a href="#">LexEVS Development - Sprint 67</a>	LexEVS 6.5 Sprint 67 Stories
Sprint 67	<a href="#">LEXEVS-2712</a>	Investigate -- MappingExtension.GetMappingCodingSchemes EntityParticipatesIn failure.
Sprint 67	<a href="#">LEXEVS-3305</a>	Loader - Value Set -- SourceAssertedResolvedValueSetLoad overwrites indexes with same name
Sprint 67	<a href="#">LEXEVS-3338</a>	I would like to know what the performance values of running with and without compiled value sets
Sprint 67	<a href="#">LEXEVS-3340</a>	Un-scrubbed NCIt load fails on null property name

<b>Sprint</b>	<b>Activity</b>	<b>Description/Comments</b>
Sprint 67	<a href="#">LEXEVS-3341</a>	NClT History Load fails silently and throws other extraneous errors
Sprint 67	<a href="#">LEXEVS-3342</a>	6.5.0.6 Release: Build Artifacts for 6.5.0.6.FINAL
Sprint 67	<a href="#">LEXEVS-3349</a>	Create LexEVS Dev Snapshot
Sprint 67	<a href="#">LEXEVS-3368</a>	Merge 6.5.0 branch to dev
Sprint 67	<a href="#">LEXEVSREM-157</a>	Create LexEVS Remote Dev Snapshot

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

<b>Release</b>	<b>Description of the Release</b>
<p>Release Date: Sprint 66: September 28, 2017 – October 12, 2017</p> <p>The LexEVS 6.5.0.5 release consists of the following components:</p> <p>LexEVS API</p> <ul style="list-style-type: none"> <li>• LexEVS-install-config-6.5.0.5.FINAL.xml</li> <li>• LexEVS-install-6.5.0.5.FINAL.jar</li> <li>• extLib-6.5.0.5.FINAL.zip</li> <li>• lexbig-6.5.0.5.FINAL.jar</li> </ul>	<p>LexEVS 6.5.0.5.FINAL Release</p> <p>Highlights</p> <ul style="list-style-type: none"> <li>• OWL2 Loader - Apply namespace prefix as Entity namespace.</li> </ul> <p>Details of the features and defects fixed can be found here: <a href="#">LexEVS 6.5.0.5 Release Notes</a></p>
<p>Release Date: Sprint 67: October 12, 2017 – October 25, 2017</p> <p>The LexEVS 6.5.0.6 release consists of the following components:</p> <p>LexEVS API</p> <ul style="list-style-type: none"> <li>• LexEVS-install-config-6.5.0.6.FINAL.xml</li> <li>• LexEVS-install-6.5.0.6.FINAL.jar</li> <li>• extLib-6.5.0.6.FINAL.zip</li> <li>• lexbig-6.5.0.6.FINAL.jar</li> </ul>	<p>LexEVS 6.5.0.6.FINAL Release</p> <p>Highlights</p> <ul style="list-style-type: none"> <li>• OWL2 Loader - For source and rep form, allow preferences to take codes.</li> </ul> <p>Details of the features and defects fixed can be found here: <a href="#">LexEVS 6.5.0.6 Release Notes</a></p>

<p>Release Date: Sprint 67: October 12, 2017 – October 25, 2017</p> <p>The LexEVS 6.5.1 Development release consists of the following components:</p> <p>LexEVS API</p> <ul style="list-style-type: none"> <li>• LexEVS-install-config-6.5.1.SNAPSHOT.2.xml</li> <li>• LexEVS-install-6.5.1.SNAPSHOT.2.jar</li> <li>• extLib-6.5.1.SNAPSHOT.2.zip</li> </ul> <p>lexbig-6.5.1.SNAPSHOT.2.jar</p>	<p>LexEVS 6.5.1 Development Release</p> <p>Highlights</p> <ul style="list-style-type: none"> <li>• Multiple value set features.</li> </ul>
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### C. Presentations, Documentation Updates, Community Communication

Activity	Description of the Activity

### D. Outstanding Issues Being Actively Worked

Sprint	Activity/Issue	Description/Comments
Sprint 68	<a href="#">LexEVS Development - Sprint 68</a>	LexEVS 6.5 Sprint 68 Stories
Sprint 68	<a href="#">LEXEVS-3376</a>	ValueSetDefinition getEntityDescription().getContent() method does not return description.
Sprint 68	<a href="#">LEXEVS-3377</a>	Value sets with a Publish_Value_Set property set to 'No' are being loaded as definitions.
Sprint 68	<a href="#">LEXEVS-3380</a>	I would like updates in LexEVSTreeItem/AssertedHierarchy to reflect original tree/treeItem implementation
Sprint 68	<a href="#">LEXEVS-3385</a>	Populate _ns attribute in LexEVSTreeItem with proper namespace
Sprint 68	<a href="#">LEXEVS-3386</a>	Replace the value of _code (currently, header concept code) by the (source asserted) value set URI.
Sprint 68	<a href="#">LEXEVS-3387</a>	In the source view value set tree returned by getFullServiceValueSetTree, sort nodes by value set names.

Sprint 68	<a href="#">LEXEVS-3388</a>	In the terminology view of value set hierarchy returned by getSourceDefinedTree, place the NCI node first, and then sort the rest of the root nodes by value set names.
Sprint 68	<a href="#">LEXEVS-3389</a>	Create LexEVS Dev Snapshot
Sprint 68	<a href="#">LEXEVS-3414</a>	Spike to investigate and propose solution for free standing mapping
Sprint 68	<a href="#">LEXREMCLI-15</a>	Update Client to pull from NCI Nexus and update for 6.5.0
Sprint 68	<a href="#">LEXSYSTEST-45</a>	Add NCI tomcat 8.5 docker image to our system tests

## 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

<b>Deliverable/Milestone</b>	<b>Delivery Date</b>	<b>Status</b>
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
July 2017	08/10/2017	Complete
August 2017	09/10/2017	Complete
September 2017	10/10/2017	Complete
October 2017	10/11/2017	Complete
Monthly Financial Reports:		
October 2016	11/10/2016	Complete
November 2016	12/10/2016	Complete
December 2016	01/10/2016	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
July 2017	08/10/2017	Complete
August 2017	09/10/2017	Complete
September 2017	10/10/2017	Complete
October 2017	11/10/2017	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>

Activity	Description
Value Set Architecture/Design	<ul style="list-style-type: none"> <li>• Continue development on new value set architecture.</li> <li>• Review with NCI team.</li> </ul>
Loader Updates	<ul style="list-style-type: none"> <li>• Updates to the OWL2 loader.</li> </ul>
Initial Preparation for Face-to-Face meeting in December.	<ul style="list-style-type: none"> <li>• Started discussing agenda topics for meeting.</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

Activity	Description
Project Roadmaps	
Sprint Status	<ul style="list-style-type: none"> <li>• <a href="#">Sprint 66</a></li> <li>• <a href="#">Sprint 67</a></li> <li>• <a href="#">Sprint 68</a></li> </ul>