

# **Monthly Technical Status Report**

**LexEVS Operations and Maintenance  
Subcontract No. 13XS500 – Modification 4**

**October 2015**

September 1 – September 30, 2015

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**Date:**

**October 10, 2015**

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## A. Technical Overview

Sprint 12 (September 3, 2015 – September 16, 2015) consisted of implementing Lucene "matching designation" search functionality on a codedNodeSet. We also worked on updating the LexEVS GUI to allow multiple loads through the same dialog. This feature was implemented on the 6.3 branch and will be merged to the latest branch.

In sprint 13, (September 17, 2015 – September 30, 2015) we completed work on implementing additional search functionality including exact match, contains, phrase, and literal. We started designing union and mapping searches for our new Lucene implementation. We also worked on updating the LexEVS GUI to filter out resolved value set definitions from the coding scheme dropdown. This feature was implemented on the 6.3 branch and will be merged to the latest branch.

Other miscellaneous issues worked on included an OWL2 loader issue, starting to document the new Lucene search algorithms and updating the value set viewer to point to NCI's CTS2 REST URL.

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+6.3+and+6.4+Weekly+Meeting+Minutes>

## B. Issues Resolved Over the Covered Period

Activity	Description/Comments
6.4 Lucene project – Sprint 11 completed	<a href="https://tracker.nci.nih.gov/secure/RapidBoard.jspa?rapidView=220&amp;view=reporting&amp;chart=sprintRetrospective&amp;sprint=403">https://tracker.nci.nih.gov/secure/RapidBoard.jspa?rapidView=220&amp;view=reporting&amp;chart=sprintRetrospective&amp;sprint=403</a>
6.4 Lucene project – Sprint 12 completed	<a href="https://tracker.nci.nih.gov/secure/RapidBoard.jspa?rapidView=220&amp;view=reporting&amp;chart=sprintRetrospective&amp;sprint=412">https://tracker.nci.nih.gov/secure/RapidBoard.jspa?rapidView=220&amp;view=reporting&amp;chart=sprintRetrospective&amp;sprint=412</a>
6.4 Lucene project – Sprint 13 completed	<a href="https://tracker.nci.nih.gov/secure/RapidBoard.jspa?rapidView=220&amp;view=reporting&amp;chart=sprintRetrospective&amp;sprint=419">https://tracker.nci.nih.gov/secure/RapidBoard.jspa?rapidView=220&amp;view=reporting&amp;chart=sprintRetrospective&amp;sprint=419</a>
<a href="#">LEXEVS-1143</a>	Load through GUIs is one-at-a-time
<a href="#">LEXEVS-1080</a>	Update the VS Client Viewer
<a href="#">LEXEVS-1161</a>	GUI Fails when removing terminology and immediately attempting to reload

Activity	Description/Comments
<a href="#">LEXEVS-946</a>	OBI hierarchy is broken
<a href="#">LEXEVS-1165</a>	GUI - Filter out resolved value set definitions from the coding scheme dropdown.
<a href="#">LEXEVS-1172</a>	LexEVS GUI - Value Set Loader dialog should allow multiple loads

### C. New Releases of the Software

Release	Description of the Release

### D. Presentations, Documentation Updates, Community Communication

Activity	Description of the Activity

### E. Outstanding Issues Being Actively Worked

Activity/Issue	Description/Comments
<a href="#">LEXEVS-1192</a>	OBI property qualifiers not being loaded

### F. Critical Risks or External Dependencies

Activity/Issue	Description to corrective activity/issue
LexEVS 6.4 Lucene Development	Many of the tasks associated with implementing the new Lucene 5.2.1 search engine are unknown in size. This has the potential of pushing out the release date as we encounter these tasks.

### G. Status of Deliverables/Milestones Overview

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

- <https://wiki.nci.nih.gov/pages/viewpage.action?pagelId=238354574>

We have created a JIRA agile board for the LexEVS 6.4 Lucene release at:

- <https://tracker.nci.nih.gov/secure/RapidBoard.jspa?rapidView=220&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.

## H. Status of Deliverables

<b>Deliverable/Milestone</b>	<b>Delivery Date</b>	<b>Status</b>
Program Management	Ongoing	In Progress
Maintenance of Software System	Ongoing	In Progress
Provide Technical Expertise	Ongoing	In Progress
Project Wiki	11/10/2014	In Progress
Monthly Technical Reports:		
October 2014	11/10/2014	Complete
November 2014	12/10/2014	Complete
December 2014	01/10/2015	Complete
January 2015	02/10/2015	Complete
February 2015	03/10/2015	Complete
March 2015	04/10/2015	Complete
April 2015	05/10/2015	Complete
May 2015	06/10/2015	Complete
June 2015	07/10/2015	Complete
July 2015	08/10/2015	Complete
August 2015	09/10/2015	Complete
September 2015	10/10/2015	Complete

<b>Deliverable/Milestone</b>	<b>Delivery Date</b>	<b>Status</b>
Monthly Financial Reports:		
October 2014	11/10/2014	Complete
November 2014	12/10/2014	Complete
December 2015	01/10/2015	Complete
January 2015	02/10/2015	Complete
February 2015	03/10/2015	Complete
March 2015	04/10/2015	Complete
April 2015	05/10/2015	Complete
May 2015	06/10/2015	Complete
June 2015	07/10/2015	Complete
July 2015	08/10/2015	Complete
August 2015	09/10/2015	Complete
September 2015	10/10/2015	Complete

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

<b>Activity</b>	<b>Description</b>
LexEVS 6.4 Lucene development	Continue development on Lucene changes based on our approved design document.
Continued support for LexEVS	Continue to work with the NCI team on new and existing issues.

**J. Additional Reporting**