

Monthly Technical Status Report

**LexEVS Operations and Maintenance
Subcontract No. 13XS500 – Modification 6**

November 2015

October 1 – October 31, 2015

Submitted by:

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A. Technical Overview

Sprint 14 (October 1, 2015 – October 14, 2015) consisted of work on the LexEVS 6.3 branch. This work included removing resolved value sets from the coding scheme dropdown in the lbGUI and a fix to loading the OBI source. The remaining time of the sprint was used to work on Lucene features. This included verifying and documenting several types of Lucene search functionality and initial work on codedNodeSet union/intersection/difference. As part of this sprint, we provided build artifacts for 6.3 and the Lucene branch for stakeholders to review and test.

In sprint 15 (October 15, 2015 – October 28, 2015) we implemented property queries across multiple indexes. As part of this work, we upgraded Lucene to 5.3.1. We also implemented the capability to perform entity scope queries for property types, investigated OWL2 load issues, and continued verifying and documenting several types of Lucene search functionality.

We started work on sprint 16 (October 29, 2015 – November 11, 2015). We started investigating and evaluating a potential fix for an issue found in our build process.

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 14 completed	https://tracker.nci.nih.gov/secure/RapidBoard.jspx?rapidView=220&view=reporting&chart=sprintRetrospective&sprint=428
6.4 Lucene project – Sprint 15 completed	https://tracker.nci.nih.gov/secure/RapidBoard.jspx?rapidView=220&view=reporting&chart=sprintRetrospective&sprint=452
6.4 Lucene project – Sprint 16 started	https://tracker.nci.nih.gov/secure/RapidBoard.jspx?rapidView=220&view=reporting&chart=sprintRetrospective&sprint=473
LEXEVS-1192	OBI property qualifiers not being loaded
LEXEVS-1264	Load NCIt to OWL2 for to evaluate potential issues
LEXEVS-1266	Investigate options for reimplementing scoring over multiple indexes

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
LexEVS 6.4 - Sprint 16	LexEVS 6.4 Sprint 16 Stories

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 5.3.1 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

Deliverable/Milestone	Delivery Date	Status
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
October 2015	11/10/2015	Complete
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
October 2015	11/10/2015	Complete

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

Activity	Description
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.
Face to Face Visit with NCI	Mayo Development team will travel to NCI to discuss a wide range of LexEVS topics on December 8, 2015 – December 10, 2015.

J. Additional Reporting