

Monthly Technical Status Report

**LexEVS Operations and Maintenance
Subcontract No. 13XS500 – Modification 8**

March 2016

February 1 – February 29, 2016

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Contents

- Monthly Technical Status Report1
- A. Technical Overview.....3
- B. Issues Resolved Over the Covered Period3
- C. New Releases of the Software4
- D. Presentations, Documentation Updates, Community Communication5
- E. Outstanding Issues Being Actively Worked.....5
- F. Critical Risks or External Dependencies5
- G. Status of Deliverables/Milestones Overview.....6
- H. Status of Deliverables6
- I. Description of Work/Activities Planned for the next Month8
- J. Additional Reporting8

A. Technical Overview

We finished sprint 22 (January 21, 2016 – February 03, 2016). This included being able to load and read coding schemes without restarting the JVM as well as fixing several admin scripts for loading and exporting coding schemes. Additionally, we fixed an issue found with the cleanup utility.

We finished sprint 23 (February 04, 2016 – February 17, 2016). In this sprint, we fixed several admin scripts, fixed a post load manifest issue, and provided LexEVS artifacts from this sprint for NCI to test.

We started sprint 24 (February 18, 2016 – March 02, 2016). In this sprint, the core Lucene development was completed. Several LexEVS GUI issues and admin scripts were also resolved during this sprint. Additionally, LexEVS 6.3.0.2 was tagged and released.

We added one additional developer to the LexEVS project.

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 22 completed	https://tracker.nci.nih.gov/secure/RapidBoard.jspa?rapidView=220&view=reporting&chart=sprintRetrospective&sprint=553
6.4 Lucene project – Sprint 23 completed	https://tracker.nci.nih.gov/secure/RapidBoard.jspa?rapidView=220&view=reporting&chart=sprintRetrospective&sprint=564
6.4 Lucene project – Sprint 24 started	https://tracker.nci.nih.gov/secure/RapidBoard.jspa?rapidView=220&view=reporting&chart=sprintRetrospective&sprint=591
LEXEVS-1418	Admin Script CleanUpMetadata is broken
LEXEVS-1419	Admin Script ExportOBO is broken
LEXEVS-1421	Admin Script LoadUmlsBatch is broken
LEXEVS-1422	Admin Script LoadMedDRA is broken
LEXEVS-1520	Inactive Coding Schemes can be queried

Activity	Description/Comments
LEXEVS-1521	Some property qualifier based searches do not return values
LEXEVS-1522	Lazy Loadable Code to Return Fails on a single value
LEXEVS-1523	Under some conditions, queries to newly tagged terminologies cause a failure.
LEXEVS-1524	Mapping Node resolve to iterator fails
LEXEVS-1525	Under some circumstances, resolved value set does not return expected results
LEXEVS-1526	XML export does not work except for associations
LEXEVS-1552	Cleanup Utility fails
LEXEVS-1423	Admin Script RemoveResolvedValueSet is broken
LEXEVS-1426	Admin Script RemoveIndex.bat is broken
LEXEVS-1572	Post load manifest fails on association update
LEXEVS-1575	Transient Unit test failure in Mapping Extension AP
LEXEVS-1615	Clean Up script only registers and does not create new Indexes
LEXEVS-1628	I want LexEVS 6.4 to perform subsecond searches on multiple coding scheme and larger single index searches

C. New Releases of the Software

Release	Description of the Release

LexEVS 6.3.0.2RC1	<p>This is a patch Release Candidate for LexEVS 6.3. This patch fixes the following issue:</p> <ul style="list-style-type: none"> • LEXEVS-1427 Correct Namespace Functionality in path to root implementation.
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D. Presentations, Documentation Updates, Community Communication

Activity	Description of the Activity
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E. Outstanding Issues Being Actively Worked

Activity/Issue	Description/Comments
LexEVS 6.4 - Sprint 24	LexEVS 6.4 Sprint 24 Stories
LEXEVS-1169	Admin Script: LoadMedDRA script instructions/example is wrong
LEXEVS-1296	lbGUI cleanup script fails when no metadata is present
LEXEVS-1305	lbGUI refresh button does not fully refresh indexes
LEXEVS-1306	lbGUI coding scheme activation fails
LEXEVS-1424	Admin Script LoadResolvedValueSetDefinition is broken
LEXEVS-1425	Admin Script LoadUMLSHistory.bat is broken

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?pageId=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

Deliverable/Milestone	Delivery Date	Status
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
November 2015	12/10/2015	Complete
December 2015	01/10/2016	Complete
January 2016	02/10/2016	Complete
February 2016	03/10/2016	Complete

Deliverable/Milestone	Delivery Date	Status
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
November 2015	12/10/2015	Complete
December 2015	01/10/2016	Complete
January 2016	02/10/2016	Complete
February 2016	03/10/2016	Complete

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

Activity	Description
LexEVS 6.4 Lucene development	Verify/fix any issues associated with services that use the LexEVS API running the new Lucene code base.
Continued support for LexEVS	Continue to work with the NCI team on new and existing issues.
LexEVS 6.4 Performance tuning	Continue to tune Lucene performance.

J. Additional Reporting