

Monthly Technical Status Report

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

June 2015
May 1 – May 31, 2015

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A. Technical Overview

Sprint 4 consisted mainly of LexEVS 6.3 work. We have completed and distributed a LexEVS 6.3 release candidate to QA to test and verify. The main issues fixed for LexEVS 6.3 during sprint 4 include merging the tree extension code base into the main LexEVS codebase; a fix to the tree extension to provide backwards compatibility as well as to return a JSON value for the namespace, fixing missing restrictions after an OWL2 load; removing the prefixed namespace on terminologies with multiple namespaces during the load; and fixing NDFRT OWL2 load restrictions.

Sprint 5 consisted of support of the current LexEVS project, reviewing the CTS2 API documentation service install and updating the corresponding PTE. The majority of time was focused on the Lucene work. This included creating a prototype of the Lucene block join to verify that it will perform to our expectations. Work has also started on refactoring and removing legacy code from the Lucene indexer project.

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 4 completed	https://tracker.nci.nih.gov/secure/RapidBoard.jspa?rapidView=220&view=reporting&chart=sprintRetrospective&sprint=301
6.4 Lucene project – Sprint 5 started	https://tracker.nci.nih.gov/secure/RapidBoard.jspa?rapidView=220&view=reporting&chart=sprintRetrospective&sprint=323
LEXEVS-829	Mapping extension iterator delivers incorrect or infinite number of next() values
LEXEVS-851	Tree extension returns nodes from another scheme in multi-namespace search
LEXEVS-852	The buildJsonPathFromRootTree method returns JSON string with no namespace.
LEXEVS-853	Missing restrictions after OWL2 load
LEXEVS-854	Codes get prefixed with a namespace

Activity	Description/Comments
LEXEVS-855	NDFRT OWL2 loads restrictions as anonymous classes
LEXEVS-957	Mapping iterators do not work on distributed

C. New Issues Identified

Activity/Issue	Description to corrective activity/issue
LEXEVS-961	Iterator fails to advance to next value but has values remaining
LEXEVS-960	Failing Methods on the CodedNodeBackedMapping
LEXEVS-957	Mapping iterators do not work on distributed
LEXEVS-946	OBI hierarchy is broken
LEXEVS-942	MRMAP loader doesn't load all available mappings
LEXEVS-911	Iterator count and number of values remaining do not match in mapping extension
LEXEVSCTS2-33	CTS2 API Service Doc - Update required values for REST call examples
LEXEVSCTS2-32	CTS2 API Service Doc - Determine how to handle required values for REST call examples
LexEVS 6.4 - Sprint 4	LexEVS 6.4 Sprint 4 Stories
LexEVS 6.4 - Sprint 5	LexEVS 6.4 Sprint 5 Stories

D. New Releases of the Software

Release	Description of the Release

E. Presentations, Documentation Updates, Community Communication

Activity	Description of the Activity

F. Outstanding Issues Being Actively Worked

Activity/Issue	Description/Comments
LexEVS 6.4 - Sprint 5	LexEVS 6.4 Sprint 5 Stories

G. Critical Risks or External Dependencies

Activity/Issue	Description to corrective activity/issue
LexEVS 6.3 needs to be deployed to production.	With the additional work associated with the release of LexEVS 6.3 to production, we will be required to take additional development resources to assist in this effort. This will push out the LexEVS 6.4 Lucene timeline.

H. 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>

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.

I. 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
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

J. 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.

K. Additional Reporting