

# **Monthly Technical Status Report**

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

**February 2015**

January 1 – January 31, 2014

**Submitted by:**

**Craig Stancl, Scott Bauer**

**Date:**

**February 10, 2015**

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## A. Technical Overview

Continued discussion of the Lucene search implementation took a back seat this month as wrap-up of the 6.2 release continued including packaging and uploading artifacts for end users. Review of the Tree extension functionality brought changes to this plugin's implementation. Updates to the OWL2 loader continued in the meantime. The creation of interactive CTS2 documentation was proposed and implemented. Continued deployment is underway. Discussion at NCI regarding automated testing has started in order to try to streamline the deployment process. Developers have been discussing technical debt, not just with Lucence, but also with Spring which is also falling behind in updates and is starting to cause more fragile fixes.

Please see the weekly meeting notes for details:

<https://wiki.nci.nih.gov/display/LexEVS/LexEVS+6.3+and+7.0+Weekly+Meeting+Minutes>

## B. Issues Resolved Over the Covered Period

Activity	Description/Comments
Planning for the Lucene update (On going)	
Planning for the release of the interim version, 6.3	
OWL2 Updates have begun	
Continuing evaluations and updates to the tree extension	
Release artifacts were produced including an updated remote client and the usual release packages. Github release sites were also updated to the latest release branches.	
Planning for use of Agile Programming began for implementation in the 6.4 timeframe.	A JIRA agile project was created for the 6.4 release. The team has created phases, epics and stories into the project.
Updated documentation for constructing and using LexEVS loader code.	

Activity	Description/Comments
Interactive CTS2 API Documentation	Documentation complete and deployed to Heroku server: <a href="https://lexevscts2.herokuapp.com/cts2">https://lexevscts2.herokuapp.com/cts2</a> Deployed to NCI Protégé DEV server and requested APPSCAN. The scan identified vulnerabilities to be fixed.

### C. New Issues Identified

Activity/Issue	Description to corrective activity/issue
LEXEVS JIRA #686	<a href="https://tracker.nci.nih.gov/browse/LEXEVS-686">https://tracker.nci.nih.gov/browse/LEXEVS-686</a>
LEXEVS JIRA #687	<a href="https://tracker.nci.nih.gov/browse/LEXEVS-687">https://tracker.nci.nih.gov/browse/LEXEVS-687</a>
LEXEVS JIRA #688	<a href="https://tracker.nci.nih.gov/browse/LEXEVS-688">https://tracker.nci.nih.gov/browse/LEXEVS-688</a>
LEXEVS JIRA# 689	<a href="https://tracker.nci.nih.gov/browse/LEXEVS-689">https://tracker.nci.nih.gov/browse/LEXEVS-689</a>
LEXEVS JIRA# 690	<a href="https://tracker.nci.nih.gov/browse/LEXEVS-690">https://tracker.nci.nih.gov/browse/LEXEVS-690</a>
LEXEVS JIRA# 691	<a href="https://tracker.nci.nih.gov/browse/LEXEVS-691">https://tracker.nci.nih.gov/browse/LEXEVS-691</a>
LEXEVS JIRA# 692	<a href="https://tracker.nci.nih.gov/browse/LEXEVS-692">https://tracker.nci.nih.gov/browse/LEXEVS-692</a>
LEXEVS JIRA# 693	<a href="https://tracker.nci.nih.gov/browse/LEXEVS-693">https://tracker.nci.nih.gov/browse/LEXEVS-693</a>
LEXEVS JIRA# 694	<a href="https://tracker.nci.nih.gov/browse/LEXEVS-694">https://tracker.nci.nih.gov/browse/LEXEVS-694</a>
LEXEVS JIRA# 695	<a href="https://tracker.nci.nih.gov/browse/LEXEVS-695">https://tracker.nci.nih.gov/browse/LEXEVS-695</a>
LEXEVS JIRA# 696	<a href="https://tracker.nci.nih.gov/browse/LEXEVS-696">https://tracker.nci.nih.gov/browse/LEXEVS-696</a>
LEXEVS JIRA# 697	<a href="https://tracker.nci.nih.gov/browse/LEXEVS-697">https://tracker.nci.nih.gov/browse/LEXEVS-697</a>
LEXEVS JIRA# 698	<a href="https://tracker.nci.nih.gov/browse/LEXEVS-698">https://tracker.nci.nih.gov/browse/LEXEVS-698</a>
LEXEVS JIRA# 699	<a href="https://tracker.nci.nih.gov/browse/LEXEVS-699">https://tracker.nci.nih.gov/browse/LEXEVS-699</a>
LEXEVS JIRA# 700	<a href="https://tracker.nci.nih.gov/browse/LEXEVS-700">https://tracker.nci.nih.gov/browse/LEXEVS-700</a>
LEXEVS JIRA# 701	<a href="https://tracker.nci.nih.gov/browse/LEXEVS-701">https://tracker.nci.nih.gov/browse/LEXEVS-701</a>
LEXEVS JIRA# 702	<a href="https://tracker.nci.nih.gov/browse/LEXEVS-702">https://tracker.nci.nih.gov/browse/LEXEVS-702</a>

Activity/Issue	Description to corrective activity/issue
LEXEVS JIRA# 703	<a href="https://tracker.nci.nih.gov/browse/LEXEVS-703">https://tracker.nci.nih.gov/browse/LEXEVS-703</a>
LEXEVS JIRA# 704	<a href="https://tracker.nci.nih.gov/browse/LEXEVS-704">https://tracker.nci.nih.gov/browse/LEXEVS-704</a>
LEXEVS JIRA# 705	<a href="https://tracker.nci.nih.gov/browse/LEXEVS-705">https://tracker.nci.nih.gov/browse/LEXEVS-705</a>
LEXEVS JIRA# 706	<a href="https://tracker.nci.nih.gov/browse/LEXEVS-706">https://tracker.nci.nih.gov/browse/LEXEVS-706</a>
LEXEVS JIRA# 707	<a href="https://tracker.nci.nih.gov/browse/LEXEVS-707">https://tracker.nci.nih.gov/browse/LEXEVS-707</a>
LEXEVS JIRA# 708	<a href="https://tracker.nci.nih.gov/browse/LEXEVS-708">https://tracker.nci.nih.gov/browse/LEXEVS-708</a>
LEXEVS JIRA# 709	<a href="https://tracker.nci.nih.gov/browse/LEXEVS-709">https://tracker.nci.nih.gov/browse/LEXEVS-709</a>
LEXEVS JIRA# 710	<a href="https://tracker.nci.nih.gov/browse/LEXEVS-710">https://tracker.nci.nih.gov/browse/LEXEVS-710</a>
LEXEVS JIRA# 711	<a href="https://tracker.nci.nih.gov/browse/LEXEVS-711">https://tracker.nci.nih.gov/browse/LEXEVS-711</a>
LEXEVS JIRA# 712	<a href="https://tracker.nci.nih.gov/browse/LEXEVS-712">https://tracker.nci.nih.gov/browse/LEXEVS-712</a>
LEXEVS JIRA# 713	<a href="https://tracker.nci.nih.gov/browse/LEXEVS-713">https://tracker.nci.nih.gov/browse/LEXEVS-713</a>
LEXEVS JIRA# 714	<a href="https://tracker.nci.nih.gov/browse/LEXEVS-714">https://tracker.nci.nih.gov/browse/LEXEVS-714</a>
LEXEVS JIRA# 715	<a href="https://tracker.nci.nih.gov/browse/LEXEVS-715">https://tracker.nci.nih.gov/browse/LEXEVS-715</a>
LEXEVS JIRA# 716	<a href="https://tracker.nci.nih.gov/browse/LEXEVS-716">https://tracker.nci.nih.gov/browse/LEXEVS-716</a>
LEXEVS JIRA# 717	<a href="https://tracker.nci.nih.gov/browse/LEXEVS-717">https://tracker.nci.nih.gov/browse/LEXEVS-717</a>
LEXEVS JIRA# 718	<a href="https://tracker.nci.nih.gov/browse/LEXEVS-718">https://tracker.nci.nih.gov/browse/LEXEVS-718</a>
LEXEVS JIRA# 719	<a href="https://tracker.nci.nih.gov/browse/LEXEVS-719">https://tracker.nci.nih.gov/browse/LEXEVS-719</a>
LEXEVS JIRA# 720	<a href="https://tracker.nci.nih.gov/browse/LEXEVS-720">https://tracker.nci.nih.gov/browse/LEXEVS-720</a>
LEXEVS JIRA# 721	<a href="https://tracker.nci.nih.gov/browse/LEXEVS-721">https://tracker.nci.nih.gov/browse/LEXEVS-721</a>

#### 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 JIRA #686	<a href="https://tracker.nci.nih.gov/browse/LEXEVS-686">https://tracker.nci.nih.gov/browse/LEXEVS-686</a>
LEXEVS JIRA #667	<a href="https://tracker.nci.nih.gov/browse/LEXEVS-688">https://tracker.nci.nih.gov/browse/LEXEVS-688</a>
LEXEVS JIRA #669	<a href="https://tracker.nci.nih.gov/browse/LEXEVS-689">https://tracker.nci.nih.gov/browse/LEXEVS-689</a>
LEXEVSCTS2 JIRA #27	<a href="https://tracker.nci.nih.gov/browse/LEXEVSCTS2-27">https://tracker.nci.nih.gov/browse/LEXEVSCTS2-27</a>
LEXEVS JIRA #685	<a href="https://tracker.nci.nih.gov/browse/LEXEVS-691">https://tracker.nci.nih.gov/browse/LEXEVS-691</a>
LEXEVS JIRA #684	<a href="https://tracker.nci.nih.gov/browse/LEXEVS-698">https://tracker.nci.nih.gov/browse/LEXEVS-698</a>
LEXEVS JIRA #682	<a href="https://tracker.nci.nih.gov/browse/LEXEVS-699">https://tracker.nci.nih.gov/browse/LEXEVS-699</a>
LEXEVS JIRA #700	<a href="https://tracker.nci.nih.gov/browse/LEXEVS-700">https://tracker.nci.nih.gov/browse/LEXEVS-700</a>
LEXEVS JIRA #701	<a href="https://tracker.nci.nih.gov/browse/LEXEVS-701">https://tracker.nci.nih.gov/browse/LEXEVS-701</a>
LEXEVS JIRA #702	<a href="https://tracker.nci.nih.gov/browse/LEXEVS-702">https://tracker.nci.nih.gov/browse/LEXEVS-702</a>
LEXEVS JIRA #703	<a href="https://tracker.nci.nih.gov/browse/LEXEVS-703">https://tracker.nci.nih.gov/browse/LEXEVS-703</a>
LEXEVS JIRA #721	<a href="https://tracker.nci.nih.gov/browse/LEXEVS-721">https://tracker.nci.nih.gov/browse/LEXEVS-721</a>

**G. Critical Risks or External Dependencies**

Activity/Issue	Description to corrective activity/issue
Additional 32 OWL2 issues identified to be resolved.	This will delay the anticipated start of Lucene implementation.

Activity/Issue	Description to corrective activity/issue

## 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>

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	11/10/20114	In Progress
Monthly Technical Reports:		Complete
October 2014	11/10/2014	
November 2014	12/10/2014	
December 2014	01/10/2015	
January 2015	02/10/2015	
Monthly Financial Reports:		Complete
October 2014	11/10/2014	
November 2014	12/10/2014	
December 2015	01/10/2015	
January 2015	02/10/2015	

## J. Description of Work/Activities Planned for the next Month

Activity	Description

Activity	Description
Continued planning of 6.4 implementation focusing on Lucene.	
Begin Lucene implementation.	This depends on the completion of OWL2 issues.
Final Deployment of 6.3	
Wrap up work on OWL2 that was extended to cover a number of new requirements.	

## **K. Additional Reporting**

With most of the 6.2 artifacts and deployments in place we are nearly ready to create a release statement for the formal release of this application version. Some OWL2 and Tree expansion evaluations and tasks were extended into this period. These should be wrapped up soon so that work can start on the major Lucene update.