

Monthly Technical Status Report

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

July 2016

June 1 – June 30, 2016

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A. Technical Overview

Sprint 31 (May 26, 2016 – June 08, 2016) has been completed. Build artifacts for the previous sprint were created and have been deployed to NCI’s development server. An issue where the LexEVSValueSetDefinitionServices wasn’t returning the correct terminology version has been fixed. A generic, reusable test suite for the remote API has been created. A Docker based test script that builds and tests lexevs, lexevs-remote API, URI resolver, and lexevs-service has also been created.

Sprint 32 (June 09, 2016 – June 22, 2016) has been completed. In this sprint, build artifacts for the previous sprint were created and have been deployed to NCI’s development server. The remote API tests were expanded to cover value sets, search extension, tree extension, mapping extension, and the convenience methods. Modifications to our lexevs system test script to pass in parameters were made. An OWL loader issue to add Maps_To as a complex property to the loader was also completed.

Sprint 33 (June 23, 2016 – July 06, 2016) was started this month, but there are no updates for this month.

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

Sprint	Activity	Description/Comments
Sprint 31	6.4 Lucene project – Sprint 31 completed	https://tracker.nci.nih.gov/secure/RapidBoard.jspa?rapidView=220&view=reporting&chart=sprintRetrospective&sprint=690
Sprint 31	LEXEVS-729	As a team, we need to deploy complete LexEVS functionality to NCI DEV servers.
Sprint 31	LEXEVS-1675	Code Cleanup
Sprint 31	LEXEVS-1729	Unexpected behavior found in searching value set using LexEVSValueSetDefinitionServices API.
Sprint 31	LEXEVS-1847	Create a suite of test that can run on the CI server to validate lexevs, lexevs remote api, and lexevs-service (CTS2).
Sprint 31	LEXEVS-1889	Create Artifacts - 6.4 LexEVS API
Sprint 31	LEXEVS-1893	Create Artifacts - 6.4 LexEVS Remote API
Sprint 31	LEXEVS-1897	Create Artifacts - 6.4 CTS2 Service

Sprint	Activity	Description/Comments
Sprint 31	LEXEVS-1901	I want the lexevs builds to create artifacts with the correct names in the correct directories
Sprint 31	LEXEVS-1910	I want the remote api to run generic unit/integration tests
Sprint 31	LEXEVS-1914	Create Artifacts - 6.3 CTS2 Service - FINAL
Sprint 32	6.4 Lucene project – Sprint 32 completed	https://tracker.nci.nih.gov/secure/RapidBoard.jspa?rapidView=220&view=reporting&chart=sprintRetrospective&sprint=710
Sprint 32	LEXEVS-1920	Fix Remote API test cases that are failing from throwing the wrong exceptions
Sprint 32	LEXEVS-1931	I want to expand the Value Set remote api generic unit/integration tests
Sprint 32	LEXEVS-1932	I want to expand the Tree Extension remote api generic unit/integration tests
Sprint 32	LEXEVS-1933	I want to expand the Search Extension remote api generic unit/integration tests
Sprint 32	LEXEVS-1934	I want to expand the Mapping Extension remote api generic unit/integration tests
Sprint 32	LEXEVS-1935	I want to expand the Convenience Methods remote api generic unit/integration tests
Sprint 32	LEXEVS-1936	Create Artifacts - 6.4 LexEVS API
Sprint 32	LEXEVS-1940	Create Artifacts - 6.4 LexEVS Remote API
Sprint 32	LEXEVS-1944	Create Artifacts - 6.4 CTS2 Service
Sprint 32	LEXEVS-1964	Add the ability for the system testing in the CI server to read from a properties file
Sprint 32	LEXEVS-1973	Update docker scripts to support additional content load and other required scripts for additional remote tests.
Sprint 32	LEXEVS-1975	Loader - OWL: Add Maps_To as a complex property to the loader

C. New Releases of the Software

Release	Description of the Release

D. Presentations, Documentation Updates, Community Communication

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

Sprint	Activity/Issue	Description/Comments
Sprint 33	LexEVS 6.4 - Sprint 33	LexEVS 6.4 Sprint 33 Stories
Sprint 33	LEXEVS-1037	Loader - HL7: HL7 SupportedNamespaces data issue.
Sprint 33	LEXEVS-1335	Loader - OWL2: Load of OWL2 sources will deal with only and exactly restrictions
Sprint 33	LEXEVS-1336	Loader - OWL2: Load of OWL2 sources will deal with has role relationships from "some" restrictions
Sprint 33	LEXEVS-1337	Loader - OWL2: Anotation uses individuals
Sprint 33	LEXEVS-1888	Merge lexevs dev code to the master branch in git
Sprint 33	LEXEVS-1984	Create Artifacts - 6.4 LexEVS API
Sprint 33	LEXEVS-1985	Create Artifacts - 6.4 LexEVS Remote API
Sprint 33	LEXEVS-1986	Create Artifacts - 6.4 CTS2 Service
Sprint 33	LEXEVS-2016	Loader - HL7: entityType format needs to be updated
Sprint 33	LEXEVS-2024	Review LexEVS model for possible positioning of operand logic

F. Critical Risks or External Dependencies

Activity/Issue	Description to corrective activity/issue
LexEVS Formal Deployment Process	Testing, validating, and moving LexEVS services up each tier (DEV, QA, STAGE, PROD) can take a long time due to all of the different teams involved. This has the potential to push the release date out.

Activity/Issue	Description to corrective activity/issue
Completion of LexEVS Loaders	<p>There is still work being done to complete the LexEVS HL7 and OWL2 loaders.</p> <p>The current total tasks are not defined for OWL2 loaders. Also, there is no definition for how much will be completed during the LexEVS 6.4 release for the OWL2 loaders.</p>

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
March 2016	04/10/2016	Complete
April 2016	05/10/2016	Complete
May 2016	06/10/2016	Complete
June 2016	07/10/2016	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
March 2016	04/10/2016	Complete
April 2016	05/10/2016	Complete
May 2016	06/10/2016	Complete
June 2016	07/10/2016	Complete

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

Activity	Description
LexEVS 6.4 Lucene development	<ul style="list-style-type: none"> • Fix any LexEVS 6.4 issues found on the DEV or QA tier. • Deploy RC and FINAL versions of LexEVS, LexEVS Remote API and CTS2 services to NCI's DEV and QA instances and test. • Document LexEVS 6.4 changes on the wiki.

Activity	Description
LexEVS 6.5 Planning	Plan for the next LexEVS release. Determine the release date and what features should be included.
Continued support for LexEVS	Continue to work with the NCI team on new and existing issues.

J. Additional Reporting