

Monthly Technical Status Report

**LexEVS Operations and Maintenance
Subcontract No. 16X237**

September 2017
September 1 – September 30, 2017

Submitted by:

Craig Stancl, Scott Bauer, Cory Endle

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A. Technical Overview

The first year of the LexEVS contract (No. 16X237) ended September 30th, 2017. A one year extension to the contract is now being executed. This extension ends September 30th, 2018.

Sprint 64 (August 31, 2017 – September 13, 2017) has been completed. In this sprint, there has been a fix made to load a manifest file after the terminology is loaded, a fix to the tree extension and updates to CTS2 service tests. There was research done on how value set loading can be improved. There was work accomplished with a customer to test their code and determine if it is backwards compatible. As part of this sprint, there was a LexEVS 6.5.0.4 point release (loader update) and a LexEVS snapshot build of our development branch.

Sprint 65 (September 14, 2017 – September 27, 2017) has been completed. In this sprint, there was an OWL2 loader update to apply a namespace prefix as the entity namespace. There was some CTS2 code clean up as well a CTS2 security update. The development team took time during this sprint to review the backlog of JIRA issues and prioritize them.

Sprint 66 (September 28, 2017 – October 11, 2017) has been started, and will be reported on next 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+16X237+Weekly+Meeting+Minutes>

Issues Resolved Over the Covered Period:

Sprint	Activity	Description/Comments
Sprint 64	LexEVS Development - Sprint 64	LexEVS 6.5 Sprint 64 Stories
Sprint 64	LEXEVS-2517	Value Set Loader: Investigate ability to update as needed (not have to load all 700 at the same time).
Sprint 64	LEXEVS-3223	Create LexEVS Dev Snapshot
Sprint 64	LEXEVS-3255	Test LexEVS 6.4.1 to 6.5.0 migration/compatibility
Sprint 64	LEXEVS-3256	Test SIW backwards compatibility
Sprint 64	LEXEVS-3266	LoadManifest - Supplied manifest file is invalid or do not exist.
Sprint 64	LEXEVS-3270	6.5.0.4 Release: Build Artifacts for 6.5.0.4.FINAL
Sprint 64	LEXEVS-3277	Providing support for failing iterator paging on tree service extension
Sprint 64	LEXEVS-3278	Investigate coding scheme name and versions for value sets

Sprint	Activity	Description/Comments
Sprint 64	LEXEVSREM-60	Tree Extension: TreeExtension ChildTreeNodeIterator method throws exceptions.
Sprint 64	LEXSYSTEST-38	Update cts2 service tests for new version of frisby.js
Sprint 65	LexEVS Development - Sprint 65	LexEVS 6.5 Sprint 65 Stories
Sprint 65	LEXEVS-3254	OWL2 Loader - Apply namespace prefix as Entity namespace
Sprint 65	LEXEVS-3281	Merge code from 6.5.0 branch to dev branch
Sprint 65	LEXEVS-3282	Groom backlog
Sprint 65	LEXEVSCTS2-156	Remove dependencies that are no longer used/needed.
Sprint 65	LEXEVSCTS2-164	Remove references to remote API in the POM and code
Sprint 65	LEXEVSCTS2-191	Upgrade Apache Commons Collections to v3.2.2

B. New Releases of the Software

Release	Description of the Release
<p>Release Date: Sprint 64: August 31, 2017 – September 13, 2017</p> <p>The LexEVS 6.5.0.4 release consists of the following components:</p> <p>LexEVS API</p> <ul style="list-style-type: none"> • LexEVS-install-config-6.5.0.4.FINAL.xml • LexEVS-install-6.5.0.4.FINAL.jar • extLib-6.5.0.4.FINAL.zip • lexbig-6.5.0.4.FINAL.jar 	<p>LexEVS 6.5.0.4.FINAL Release</p> <p>Highlights</p> <ul style="list-style-type: none"> • Fix issue to post-load a manifest file on an RRF source <p>Details of the features and defects fixed can be found here: LexEVS 6.5.0.4 Release Notes</p>

<p>Release Date: Sprint 64: August 31, 2017 – September 13, 2017</p> <p>The LexEVS 6.5.1 Development release consists of the following components:</p> <p>LexEVS API</p> <ul style="list-style-type: none"> • LexEVS-install-config-6.5.1.SNAPSHOT.1.xml • LexEVS-install-6.5.1.SNAPSHOT.1.jar • extLib-6.5.1.SNAPSHOT.1.zip • lexbig-6.5.1.SNAPSHOT.1.jar 	<p>LexEVS 6.5.1 Development Release</p> <p>Highlights</p> <ul style="list-style-type: none"> • Multiple value set features.
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C. Presentations, Documentation Updates, Community Communication

Activity	Description of the Activity

D. Outstanding Issues Being Actively Worked

Sprint	Activity/Issue	Description/Comments
Sprint 66	LexEVS Development - Sprint 66	LexEVS 6.5 Sprint 66 Stories
Sprint 66	LEXEVS-3310	6.5.0.5 Release: Build Artifacts for 6.5.0.5.FINAL
Sprint 66	LEXEVS-2712	Investigate -- MappingExtension.getMapping CodingSchemesEntity ParticipatesIn failure.
Sprint 66	LEXEVS-3220	Determine if a NCIt Asserted Value Set has changed
Sprint 66	LEXEVS-3252	OWL2 Loader -- For source and rep form, allow preferences to take codes
Sprint 66	LEXEVS-3299	OWL2 Loader -- ChEBI load runs out of memory
Sprint 66	LEXEVS-3301	I would like LexEVSTreelItem attributes to be made public or publicly accessible
Sprint 66	LEXEVS-3305	Loader - Value Set -- SourceAssertedResolvedValueSetLoad overwrites indexes with same name
Sprint 66	LEXREMCLI-15	Update Client to pull from NCI Nexus and update for 6.5.0

E. Critical Risks or External Dependencies

Activity/Issue	Description to corrective activity/issue

F. Status of Deliverables/Milestones Overview

We have created a project wiki site out on Confluence Wiki at:

- <https://wiki.nci.nih.gov/display/LexEVS/LexEVS+Project+16X237+Documents>

We have created a JIRA agile board for the LexEVS Development at:

- <https://tracker.nci.nih.gov/secure/RapidBoard.jspa?rapidView=374&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 summary. This site will evolve throughout the lifecycle of this project.

G. Status of Deliverables

Deliverable/Milestone	Delivery Date	Status
Project Management Plan (PMP)	20 days following Project Kickoff	In Process
Project Financial Plan (PFP)	20 days following Project Kickoff	Complete
Maintenance of Software System	09/30/2017	In Process
Provide Technical Expertise	09/30/2017	In Process
Project Wiki	10/20/2017	Complete
Monthly Technical Reports:		
October 2016	11/10/2016	Complete
November 2016	12/10/2016	Complete
December 2016	01/10/2017	Complete
January 2017	02/10/2017	Complete
February 2017	03/10/2017	Complete
March 2017	04/10/2017	Complete
April 2017	05/10/2017	Complete
May 2017	06/10/2017	Complete
June 2017	07/10/2017	Complete
July 2017	08/10/2017	Complete
August 2017	09/10/2017	Complete
September 2017	10/10/2017	Complete

Deliverable/Milestone	Delivery Date	Status
Monthly Financial Reports:		
October 2016	11/10/2016	Complete
November 2016	12/10/2016	Complete
December 2016	01/10/2017	Complete
January 2017	02/10/2017	Complete
February 2017	03/10/2017	Complete
March 2017	04/10/2017	Complete
April 2017	05/10/2017	Complete
May 2017	06/10/2017	Complete
June 2017	07/10/2017	Complete
July 2017	08/10/2017	Complete
August 2017	09/10/2017	Complete
September 2017	10/10/2017	Complete
Project Summary Report	30 Days Before Project Completion	Not Started

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

Activity	Description
LexEVS 6.5.0 Release	<ul style="list-style-type: none"> Support NCI as this release moves up the tiers.
Value Set Architecture/Design	<ul style="list-style-type: none"> Continue development on new value set architecture. Review with NCI team.
Loader Updates	<ul style="list-style-type: none"> Updates to the OWL2 loader.
Continued support for LexEVS	<ul style="list-style-type: none"> Continue to work with the NCI team on new and existing issues.

I. Additional Reporting

Activity	Description
Project Roadmaps	<ul style="list-style-type: none"> Roadmap 2017.09.05 Roadmap 2017.09.12 Roadmap 2017.09.19
Sprint Status	<ul style="list-style-type: none"> Sprint 64 Sprint 65 Sprint 66

