

Monthly Technical Status Report

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

June 2017
May 1 – May 31, 2017

Submitted by:

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A. Technical Overview

Sprint 55 (April 27, 2017 – May 10, 2017) has been completed. In this sprint, there were fixes added to CTS2 for a Boolean check and a startup error, an update to LexEVS was implemented to prevent indexes from automatically being cleaned up when running scripts, and some Docker work was started to store NCI approved versions of software on their internal Nexus server. There was also continued work on updating the value set architecture.

Sprint 56 (May 11, 2017 – May 24, 2017) has been completed. In this sprint, CTS2 was updated to allow a properties file to specify the max number of entities any REST service call can return. Additional Docker work was completed to store NCI approved versions of software on their internal Nexus server. There was a loader fix for OWL2 to fix a character spacing issue. There were additional tests added to our system test to verify the CTS2 REST services. As part of this release, LexEVS 6.5.0 was delivered.

Sprint 57 (May 25, 2017 – June 7, 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 55	LexEVS Development - Sprint 55	LexEVS 6.5 Sprint 55 Stories
Sprint 55	CTS2FW-52	6.5.0 Release: Merge 1.3.0 branch to dev
Sprint 55	CTS2FW-55	Boolean conversion of String is failing
Sprint 55	LEXEVS-2896	Indexes should not automatically be cleaned when running any admin script
Sprint 55	LEXEVS-2945	Docker: Work with Systems team to assist setup of reusable containers
Sprint 55	LEXEVS-2951	6.5.0 Release: Merge 6.5.0 branch to dev
Sprint 55	LEXEVS-2955	Value Set Architecture - Capture requirements in JIRA
Sprint 55	LEXEVSCTS2-130	CTS2: https handshake error
Sprint 55	LEXEVSCTS2-167	6.5.0 Release: Merge 1.6.0 branch to dev
Sprint 55	LEXEVSCTS2-174	Service fails to startup due to multiple SLF4J versions of the jar
Sprint 55	LEXEVSREM-128	6.5.0 Release: Merge 6.5.0 branch to dev
Sprint 55	URIRESOLV-23	6.5.0 Release: Merge 1.1.0 branch to dev

Sprint	Activity	Description/Comments
Sprint 56	LexEVS Development - Sprint 56	LexEVS 6.5 Sprint 56 Stories
Sprint 56	CTS2FW-61	Update maxreturn default value: Add to the webapp-config.properties file
Sprint 56	LEXEVS-2954	6.5.0. Release: Build Artifacts for 6.5.0.FINAL
Sprint 56	LEXEVS-2976	Add NCI approved versions of software to Nexus for Docker to use
Sprint 56	LEXEVS-2994	Loader - OWL2: Return characters are being perpetuated to the data base
Sprint 56	LEXEVSCTS2-62	Docker: Implement integration tests for lexevs-service REST services
Sprint 56	LEXEVSCTS2-160	CTS2: Create Integration tests
Sprint 56	LEXEVSCTS2-170	6.5.0. Release: Build Artifacts for 6.5.0.FINAL
Sprint 56	LEXEVSCTS2-177	CTS2 REST Service - Investigate options to make REST calls return all data
Sprint 56	LEXEVSREM-131	6.5.0. Release: Build Artifacts for 6.5.0.FINAL

B. New Releases of the Software

Release	Description of the Release
<p>Release Date: Sprint 56 – May 24, 2017</p> <p>The LexEVS 6.5.0 release consists of the following components:</p> <p>LexEVS API</p> <ul style="list-style-type: none"> LexEVS-install-config-6.5.0.FINAL.xml LexEVS-install-6.5.0.FINAL.jar extLib-6.5.0.FINAL.zip lexbig-6.5.0.FINAL.jar <p>LexEVS Remote API</p> <ul style="list-style-type: none"> lexevsapi65-6.5.0.FINAL.war <p>LexEVS CTS2 Service</p> <ul style="list-style-type: none"> lexevs-service-1.6.0.FINAL.war <p>URI Resolver</p> <ul style="list-style-type: none"> uriresolver-1.1.0.FINAL.war 	<p>LexEVS 6.5.0 FINAL Release</p> <p>Highlights</p> <ul style="list-style-type: none"> Update to Java 1.8 Update to Tomcat 8 Update to MySQL 5.6 OS upgrade to CentOS 7 OWL2 Loader <p>Details of the features and defects fixed can be found here: LexEVS 6.5.0 Release Notes</p>

C. Presentations, Documentation Updates, Community Communication

Activity	Description of the Activity
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Added new wiki pages for LexEVS 6.5.0 release	<ul style="list-style-type: none"> • https://wiki.nci.nih.gov/display/LexEVS/LexEVS+6.5.0+Installation+Options • https://wiki.nci.nih.gov/display/LexEVS/LexEVS+6.5.0+Release+Notes • https://wiki.nci.nih.gov/display/LexEVS/LexEVS+6.5.0
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D. Outstanding Issues Being Actively Worked

Sprint	Activity/Issue	Description/Comments
Sprint 57	LexEVS Development - Sprint 57	LexEVS 6.5 Sprint 57 Stories
Sprint 57	LEXEVS-2839	6.5.0 Release: (post release) Add 6.5.0 FINAL artifacts to sftp site
Sprint 57	LEXEVS-2841	6.5.0 Release: (post release) Update Installation and Downloads section for 6.5.0
Sprint 57	LEXEVS-2882	6.5.0 Release: (post release) Update Documents and Training section for 6.5.0
Sprint 57	LEXEVS-2961	VS Workflow: Remove Dependency on value set definition files for NCIt defined Value Sets
Sprint 57	LEXEVS-2962	VS Workflow: Generate all NCIt sourced resolved value set coding schemes from NCIt source in LexEVS
Sprint 57	LEXEVS-2970	Move LexGrid.org to github.io page
Sprint 57	LEXEVS-2989	Prioritize Value Set Related Implementations
Sprint 57	LEXEVS-3000	Set up Collaboration with ASU
Sprint 57	LEXEVS-3014	6.5.0 Release: (post release) Update javadocs for 6.5.0
Sprint 57	LEXEVS-3032	Investigate options to pull from different Docker repositories
Sprint 57	LEXEVS-3040	Investigate LexEVS API for creating/updating entities
Sprint 57	LEXEVS-3042	Extraneous extra spaces caused by line return fix
Sprint 57	LEXEVS-3046	6.5.0.1 Release: Build Artifacts for 6.5.0.1.RC.1

E. Critical Risks or External Dependencies

Activity/Issue	Description to corrective activity/issue
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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 brief 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
Monthly Financial Reports:		
October 2016	11/10/2016	Complete
November 2016	12/10/2016	Complete
December 2016	01/10/2016	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

Deliverable/Milestone	Delivery Date	Status
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"> Finalize Java 8/Tomcat 8/MySQL 5.6 supported release. Support NCI as this release moves up the tiers.
Value Set Architecture/Design	<ul style="list-style-type: none"> Complete development on new value set architecture. Review with NCI team.
Docker and LexEVS Integrtrion	<ul style="list-style-type: none"> Investigate ability to deploy a Docker container of LexEVS on NCI's development server.
REST Service Requirements Gathering	<ul style="list-style-type: none"> Gather requirements from REST users. <p>Begin design REST service(s) to satisfy the requirements.</p>
Continued support for LexEVS	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 2017.05.30 Roadmap 2017.05.23 Roadmap 2017.05.16 Roadmap 2017.05.09 Roadmap 2017.05.02
Sprint Status	<ul style="list-style-type: none"> Sprint 55 Sprint 56 Sprint 57