

Monthly Technical Status Report

**LexEVS Operations and Maintenance
Subcontract No. 16X237
Option Year 2**

May 2019
May 1 – May 31, 2019

Submitted by:

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A. Technical Overview

Sprint 107 (April 25, 2019 – May 8, 2019) has been completed. In this sprint, the team added a convenience method for categorizing coding schemes by type and fixed an issue that was restricting the hierarchy implementation for tree extension. Additionally, there was work accomplished for setting up LexEVS in a Docker environment on the NCI dev system. As part of this sprint, we released a snapshot build of LexEVS.

Sprint 108 (May 9, 2019 – May 22, 2019) has been completed. In this sprint, a mapping extension iterator bug and a tree extension count issue were resolved. Continued work for LexEVS on Docker was done as well in this sprint.

Sprint 109 (May 23, 2019 – June 5, 2019) 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 107	LexEVS Development - Sprint 107	LexEVS 6.5 Sprint 107 Stories
Sprint 107	LEXEVS-3571	DevOps: Investigate setting up Docker containers on NCI Systems
Sprint 107	LEXEVS-3627	API: Need a convenience method for categorizing coding schemes by type.
Sprint 107	LEXEVS-4527	Snapshot Release: Build Artifacts for DEV
Sprint 107	LEXEVS-4535	Restricting hierarchy implementation for Tree Extension Part 2
Sprint 107	LEXEVS-4540	DevOps: Investigate how to call NCI's centos7_tomcat85 image and start it correctly
Sprint 108	LexEVS Development - Sprint 108	LexEVS 6.5 Sprint 108 Stories
Sprint 108	LEXEVS-3465	API: Mapping Extension Iterator number remaining function fails
Sprint 108	LEXEVS-3834	API: (Tree Extension) returns incorrect ontology_node_child_count.
Sprint 108	LEXEVS-4553	Investigate number remaining issue described in LEXEVS-3834
Sprint 108	LEXEVSREM-367	Distributed API support for Mapping Extension Iterator issue
Sprint 108	LEXSYSTEST-139	Update test scripts to support deploying Docker containers
Sprint 108	LEXSYSTEST-143	DevOps: Add ENVIRONMENT variables for configurable data

B. New Releases of the Software

Release	Description of the Release
<p>Release Date: Sprint 107: April 25, 2018 – May 8, 2019</p> <p>The LexEVS SNAPSHOT.DEV.SPRINT107.2019.05.02 release consists of the following components:</p> <p>LexEVS API</p> <ul style="list-style-type: none"> • LexEVS-install-config-SNAPSHOT.DEV.SPRINT107.2019.05.02.xml • LexEVS-install-SNAPSHOT.DEV.SPRINT107.2019.05.02.jar • extLib-SNAPSHOT.DEV.SPRINT107.2019.05.02.zip • lexbig-SNAPSHOT.DEV.SPRINT107.2019.05.02.jar 	<p>LexEVS SNAPSHOT.DEV.SPRINT107.2019.05.02 Release</p> <p>Highlights</p> <ul style="list-style-type: none"> • loader changes for OBIB and subsequent tree hierarchy updates. <p>Details of the features and defects fixed can be found here: LexEVS SNAPSHOT.DEV.SPRINT107.2019.05.02 issues</p>

C. Presentations, Documentation Updates, Community Communication

Activity	Description of the Activity

D. Outstanding Issues Being Actively Worked

Sprint	Activity/Issue	Description/Comments
Sprint 109	LexEVS Development - Sprint 109	LexEVS 6.5 Sprint 109 Stories
Sprint 109	LEXEVS-4549	DevOps: Deploy LexEVS Docker containers on NCI's Dev system.
Sprint 109	LEXEVS-4552	The Asserted Value Set Hierarchy needs to update sorting mechanism
Sprint 109	LEXEVS-4559	Create a presentation for a LexEVS overview
Sprint 109	LEXEVS-4562	Snapshot Release: Build Artifacts for DEV
Sprint 109	LEXEVSREM-371	Snapshot Release: Build Artifacts for DEV
Sprint 109	LEXEVSREM-378	Update Tests to reflect source updated for LEXEVS-4552

Sprint 109	LEXSYSTEST-146	Copy the apache ant file to the image manually (temporary fix for lexevs tests on jenkins)
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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 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	Ongoing	In Process
Provide Technical Expertise	Ongoing	In Process
Project Wiki	10/20/2017	Complete

Deliverable/Milestone	Delivery Date	Status
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
October 2017	11/10/2017	Complete
November 2017	12/10/2017	Complete
December 2017	01/10/2018	Complete
January 2018	02/10/2018	Complete
February 2018	03/10/2018	Complete
March 2018	04/10/2018	Complete
April 2018	05/10/2018	Complete
May 2018	06/10/2018	Complete
June 2018	07/10/2018	Complete
July 2018	08/10/2018	Complete
August 2018	09/10/2018	Complete
September 2018	10/10/2018	Complete
October 2018	11/10/2018	Complete
November 2018	12/10/2018	Complete
December 2018	01/10/2019	Complete
January 2019	02/10/2019	Complete
February 2019	03/10/2019	Complete
March 2019	04/10/2019	Complete
April 2019	05/10/2019	Complete
May 2019	06/10/2019	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
October 2017	11/10/2017	Complete
November 2017	12/10/2017	Complete
December 2017	01/10/2018	Complete
January 2018	02/10/2018	Complete
February 2018	03/10/2018	Complete
March 2018	04/10/2018	Complete
April 2018	05/10/2018	Complete
May 2018	06/10/2018	Complete
June 2018	07/10/2018	Complete
July 2018	08/10/2018	Complete
August 2018	09/10/2018	Complete
September 2018	10/10/2018	Complete
October 2018	11/10/2018	Complete
November 2018	12/10/2018	Complete
December 2018	01/10/2019	Complete
January 2019	02/10/2019	Complete
February 2019	03/10/2019	Complete
March 2019	04/10/2019	Complete
April 2019	05/10/2019	Complete
May 2019	06/10/2019	Complete
Project Summary Report	30 Days Before Project Completion	Not Started

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

Activity	Description
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Activity	Description
Plan/assist for the next LexEVS release(s)	<ul style="list-style-type: none"> • Create the following releases: <ul style="list-style-type: none"> ○ LexEVS 6.5.2 and its components <ul style="list-style-type: none"> ▪ LexEVS 6.5.2: new features/updates ▪ LexEVS Remote 6.5.2: new features/updates ▪ CTS2 Service 1.6.2: security update ▪ URI Resolver 1.1.1: security update
Continued support for LexEVS	<ul style="list-style-type: none"> • Continue to work with the NCI team on new and existing issues.
Docker Development	<ul style="list-style-type: none"> • Work on deploying LexEVS components as Docker containers.
Ongoing Features/Issue resolution	<ul style="list-style-type: none"> • Continue to work on requested features and issues in our Jira backlog.
Assist QA with testing LexEVS 6.5.2	<ul style="list-style-type: none"> • Assist QA, where necessary, to set up a plan and test LexEVS.

I. Additional Reporting

Activity	Description
Sprint Status	<ul style="list-style-type: none"> • Sprint 107 • Sprint 108 • Sprint 109