Monthly Technical Status Report

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

July 2019
July 1 – July 31, 2019

Submitted by:

Craig Stancl, Scott Bauer, Cory Endle

Date:
August 10, 2019

Contents

A. Technical Overview

Sprint 111 (June 20, 2019 – July 3, 2019) has been completed. In this sprint, the LexEVS team investigated the matchAlgorithm startsWith behavior for codesystemversions. The team also assisted the QA team and created a CTS2 (REST) test framework to test CTS2 REST services and a LexEVS remote test framework to test the LexEVS API against production data.

Sprint 112 (July 4, 2019 – July 17, 2019) has been completed. In this sprint, the team completed the test creation for QA that was started in the previous sprint. There was also work completed for searching only ascendants of a concept, updating the sorting mechanism for asserted value set hierarchy, and updating the OBI loader. Additionally, there was a mapping extension iterator issue fixed for the distributed API.

Sprint 113 (July 18, 2019 – July 31, 2019) has been completed. In this sprint, there were several issues resolved including: fixing the terminology service designation failure, OWL2 loader fix with numerical codes, fixing a tree extension test failure, fixing the asserted value set init() method, fixing a mapping extension test failure, fixing a code retirement check failure and fixing the isReverseName test.

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 111	LexEVS Development - Sprint 111	LexEVS 6.5 Sprint 111 Stories
Sprint 111	LEXEVS-4597	Complete framework for CTS2/REST project for testing against QA/PROD data
Sprint 111	LEXEVS-4598	Add all lexevs-service (REST) tests to the lexevs-service test plan
Sprint 111	LEXEVS-4604	Write a Test Plan for LexEVS 6.5.2
Sprint 111	LEXEVSCTS2-377	Create new JIRA Project for CTS2EVSTEST
Sprint 111	LEXEVSCTS2-378	Investigate matchAlgorithm startsWith behavior for codesystemversions
Sprint 111	LEXEVSREM-388	Integration Tests for Live Terminology LexEVS 6.5.2
Sprint 112	LexEVS Development - Sprint 112	LexEVS 6.5 Sprint 112 Stories
Sprint 112	LEXEVS-4143	API: I want to search only ascendants of a concept or concepts
Sprint 112	LEXEVS-4552	The Asserted Value Set Hierarchy needs to update sorting mechanism

Sprint	Activity	Description/Comments
Sprint 112	LEXEVS-4617	DevOps: Set up Jenkins project to LexEVS on Docker
Sprint 112	LEXEVS-4618	Loader: OBI Hierarchy Design Should be Agreed Upon for Expected Resolution
Sprint 112	LEXEVSCTS2-381	Update pom file to point to latest lexevs version
Sprint 112	LEXEVSREM-367	Distributed API support for Mapping Extension Iterator issue
Sprint 112	LEXEVSREM-390	Update and Enhance Unit Tests for Live Terminology Integration Testing
Sprint 112	LEXEVSREM-391	Create the core of a Test Plan for LEXEVS through the Distributed API
Sprint 112	LEXSYSTEST-151	Update valueset tests to account for updated source
Sprint 112	URIRESOLV-49	RC.1 Release: Build Artifacts
Sprint 113	LexEVS Development - Sprint 113	LexEVS 6.5 Sprint 113 Stories
Sprint 113	LEXEVS-4570	Terminology Service Designation May Fail when OntologyFormat is null
Sprint 113	LEXEVS-4607	LoadOWL2 has issues with numerical codes
Sprint 113	LEXEVS-4614	Tree Extension Test fails on coding scheme metadata namespace conflict
Sprint 113	LEXEVS-4615	Code Retirement check fails against an established test
Sprint 113	LEXEVS-4616	isReverseName points at an Association no longer defining a reverse value
Sprint 113	LEXEVS-4625	Investigate Code Retirement check failures against tests
Sprint 113	LEXEVS-4634	Default Hierarchy Data processing method now fails when run against the default terminology
Sprint 113	LEXEVS-4647	Spike and Prototyping for LEXEVS-4622
Sprint 113	LEXEVSREM-392	Mapping Extension Test Fails on isMapping error
Sprint 113	LEXEVSREM-397	Updating Tests to reflect current code base, changes in source
Sprint 113	LEXEVSREM-398	Add test for getting NCIt asserted value sets through the init() method

B.   New Releases of the Software

Release	Description of the Release
•	

C. Presentations, Documentation Updates, Community Communication

Activity	Description of the Activity

D. Outstanding Issues Being Actively Worked

Sprint	Activity/Issue	Description/Comments

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	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
June 2019	07/10/2019	Complete
July 2019	08/10/2019	Complete

Deliverable/Milestone	Delivery Date	Status
Monthly Financial Reports:		
October 2016	11/10/2016	Complete
November 2016	12/10/2016	Complete
December 2016	01/10/2016	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
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
June 2019	07/10/2019	Complete
July 2019	08/10/2019	Complete
Project Summary Report	30 Days Before Project Completion	Not Started

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

Activity	Description
Plan/assist for the next LexEVS release	• Create LexEVS 6.5.3 release. This will include all of 6.5.2 changes plus all changes made since this release.
Assist QA with LexEVS integration tests	• Assist QA team with finalizing LexEVS tests and answer questions.
Continued support for LexEVS	• Continue to work with the NCI team on new and existing issues.
Docker Development	• Work on deploying LexEVS components as Docker containers.
Ongoing Features/Issue resolution	• Continue to work on requested features and issues in our Jira backlog.

I.   Additional Reporting

Activity	Description
Sprint Status	• Sprint 111 • Sprint 112 • Sprint 113