

Monthly Technical Status Report

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

May 2018
May 1 – May 31, 2018

Submitted by:

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Date:
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Contents

- Monthly Technical Status Report..... 1
- A. Technical Overview 3
- B. New Releases of the Software 4
- C. Presentations, Documentation Updates, Community Communication 5
- D. Outstanding Issues Being Actively Worked 6
- E. Critical Risks or External Dependencies 6
- F. Status of Deliverables/Milestones Overview..... 6
- G. Status of Deliverables 7
- H. Description of Work/Activities Planned for the next Month 8
- I. Additional Reporting 8

A. Technical Overview

Sprint 81 (April 26, 2018 – May 9, 2018) has been completed. In this sprint, there was work done to add value sets to the value set hierarchy that are from an outside source and a fix was implemented for searching on the URI for value sets. Additionally, for source asserted value sets, the default tag has been set to “PRODUCTION”. There was a LexEVS snapshot build created and deployed to the NCI development server during this sprint.

Sprint 82 (May 10, 2018 – May 23, 2018) has been completed. In this sprint, there were additional value set hierarchy issues resolved, asserted value set enhancements, and loader updates. Schema files that were on the lexgrid.org site have all been moved locally to the LexEVS codebase to eliminate the dependency on an external site. LexEVS Javadoc has been updated to reflect the new interfaces created. There were two LexEVS snapshot builds created and deployed to the NCI development server during this sprint.

Sprint 83 (May 24, 2018 – June 6, 2018) 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 81	LexEVS Development - Sprint 81	LexEVS 6.5 Sprint 81 Stories
Sprint 81	LEXEVSREM-221	6.5.1 Release: Build Artifacts for 6.5.1.SNAPSHOT.12
Sprint 81	LEXEVSREM-228	Search on uri for value set fails
Sprint 81	LEXSYSTEST-105	Clean up lexevs DB after system tests are complete.
Sprint 81	LEXEVS-3509	I would like to add a value set to the VS hierarchy implementation from an outside source
Sprint 81	LEXEVS-3743	Update Asserted Value Set default version to the PRODUCTION tag
Sprint 81	LEXEVS-3733	Search Iterator Regression failure on Source Coding Scheme Name
Sprint 81	LEXEVSCTS2-242	Update Asserted Value Set default version to the PRODUCTION tag
Sprint 81	LEXEVSREM-232	Distributed Tests need updates to accommodate new Hierarchy features
Sprint 82	LexEVS Development - Sprint 82	LexEVS 6.5 Sprint 82 Stories

Sprint	Activity	Description/Comments
Sprint 82	LEXEVS-3640	Place value set nodes in value set hierarchy using contributing source.
Sprint 82	LEXEVS-3739	Add ability to determine if Asserted Value Sets exist before requesting them
Sprint 82	LEXEVS-3749	Update lexgrid.org to be local
Sprint 82	LEXEVS-3755	LoadUmlsBatch fails to load MED-RT
Sprint 82	LEXEVS-3756	6.5.1 Release: Build Artifacts for 6.5.1.SNAPSHOT.13
Sprint 82	LEXEVS-3757	6.5.1 Release: Build Artifacts for 6.5.1.SNAPSHOT.14
Sprint 82	LEXEVS-3760	Updated LexEVS Interface Javadoc
Sprint 82	LEXEVS-3767	Recurrent RuntimeException: Index does not exist: AssertedValueSetIndex.
Sprint 82	LEXEVS-3779	Orphaned Asserted VS Entity Service is not needed
Sprint 82	LEXEVS-3780	Attempt to Run Metathesaurus batch loader over MED-RT RRF Subset
Sprint 82	LEXEVS-3781	Increase memory on LoadMetaBatch script
Sprint 82	LEXEVS-3782	Investigate: OWL2Loader manifest causes failed update in asserted value set index
Sprint 82	LEXEVS-3783	OWL2Loader manifest causes failed update in asserted value set index
Sprint 82	LEXEVS-3787	Investigating Mapping Namespace issue
Sprint 82	LEXEVSCTS2-200	CTS2 Service: Test/Update service with no access to lexgrid.org
Sprint 82	LEXEVSCTS2-251	Update service to work with asserted value set changes
Sprint 82	LEXEVSREM-234	6.5.1 Release: Build Artifacts for 6.5.1.SNAPSHOT.14
Sprint 82	LEXEVSREM-235	Testing for does Asserted VS scheme in Distributed test
Sprint 82	LEXEVSREM-245	Test remote API with no access to lexgrid.org

B. New Releases of the Software

Release	Description of the Release
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<p>Release Date: Sprint 81: April 26, 2018 – May 9, 2018</p> <p>The LexEVS 6.5.1.SNAPSHOT.12 release consists of the following components:</p> <p>LexEVS API</p> <ul style="list-style-type: none"> • LexEVS-install-config-6.5.1.SNAPSHOT.12.xml • LexEVS-install-6.5.1.SNAPSHOT.12.jar • extLib-6.5.1.SNAPSHOT.12.zip • lexbig-6.5.1.SNAPSHOT.12.jar • lexevsapi65-6.5.1.SNAPSHOT.12.war 	<p>LexEVS 6.5.1.SNAPSHOT.12 Release</p> <p>Highlights</p> <ul style="list-style-type: none"> • Asserted Value Set Updates <p>Details of the features and defects fixed can be found here: LexEVS 6.5.1.SNAPSHOT.12 issues</p>
<p>Release Date: Sprint 82: May 10, 2018 – May 23, 2018</p> <p>The LexEVS 6.5.1.SNAPSHOT.13 release consists of the following components:</p> <p>LexEVS API</p> <ul style="list-style-type: none"> • LexEVS-install-config-6.5.1.SNAPSHOT.13.xml • LexEVS-install-6.5.1.SNAPSHOT.13.jar • extLib-6.5.1.SNAPSHOT.13.zip • lexbig-6.5.1.SNAPSHOT.13.jar 	<p>LexEVS 6.5.1.SNAPSHOT.13 Release</p> <p>Highlights</p> <ul style="list-style-type: none"> • LEXEVS-3755 -LoadUmlsBatch fails to load MED-RT <p>Details of the features and defects fixed can be found here: LexEVS 6.5.1.SNAPSHOT.13 issues</p>
<p>Release Date: Sprint 82: May 10, 2018 – May 23, 2018</p> <p>The LexEVS 6.5.1.SNAPSHOT.14 release consists of the following components:</p> <p>LexEVS API</p> <ul style="list-style-type: none"> • LexEVS-install-config-6.5.1.SNAPSHOT.14.xml • LexEVS-install-6.5.1.SNAPSHOT.13.jar • extLib-6.5.1.SNAPSHOT.14.zip • lexbig-6.5.1.SNAPSHOT.14.jar 	<p>LexEVS 6.5.1.SNAPSHOT.14 Release</p> <p>Highlights</p> <ul style="list-style-type: none"> • Asserted Value Set Updates <p>Details of the features and defects fixed can be found here: LexEVS 6.5.1.SNAPSHOT.14 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 83	LexEVS Development - Sprint 83	LexEVS 6.5 Sprint 83 Stories
Sprint 83	CTS2FW-99	6.5.1 Release: Build Artifacts for 6.5.1.SNAPSHOT.15
Sprint 83	LEXEVS-3741	Core.xsd has a typo in the value set namespace declaration
Sprint 83	LEXEVS-3748	Unable to retrieve correct namespace of target entities in a mapping coding scheme.
Sprint 83	LEXEVS-3758	6.5.1 Release: Build Artifacts for 6.5.1.SNAPSHOT.15
Sprint 83	LEXEVS-3759	Update PTE documents for 6.5.1 release
Sprint 83	LEXEVS-3789	Services don't start up when asserted value sets are not present.
Sprint 83	LEXEVS-3814	MED-RT Loader capability
Sprint 83	LEXEVS-3829	6.5.1 Release: Build Artifacts for 6.5.1.SNAPSHOT.16
Sprint 83	LEXEVS-3830	Target Namespace in mapping iterator ResolveConceptReference incorrect
Sprint 83	LEXEVSCTS2-257	6.5.1 Release: Build Artifacts for 6.5.1.SNAPSHOT.15
Sprint 83	LEXEVSCTS2-264	6.5.1 Release: Build Artifacts for 1.6.1.SNAPSHOT.16
Sprint 83	LEXEVSREM-233	6.5.1 Release: Build Artifacts for 6.5.1.SNAPSHOT.15
Sprint 83	LEXEVSREM-255	Test backwards compatibility - 6.5 client to 6.5.1 remote api service
Sprint 83	LEXEVSREM-256	6.5.1 Release: Build Artifacts for 6.5.1.SNAPSHOT.16
Sprint 83	LEXSYSTEMEST-109	Update CTS2 REST test (Frisby) for namespace update
Sprint 83	LEXSYSTEMEST-112	add additional checks for Docker containers and images before starting the tests

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	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
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

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
Project Summary Report	30 Days Before Project Completion	Not Started

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

Activity	Description
Asserted Value Set Architecture/- Design/Implementation	<ul style="list-style-type: none"> Complete development on new source asserted value set architecture. Review with NCI team.
Completing LexEVS 6.5.1 release	<ul style="list-style-type: none"> Deliver the final version of LexEVS 6.5.1 codebase. Work with NCI team members to move the final codebase up the tiers to validate.
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
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Activity	Description
Sprint Status	<ul style="list-style-type: none"><li data-bbox="857 233 1015 264">• Sprint 81<li data-bbox="857 264 1015 296">• Sprint 82<li data-bbox="857 296 1015 327">• Sprint 83