

Monthly Technical Status Report

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

April 2018
April 1 – April 30, 2018

Submitted by:

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A. Technical Overview

Sprint 79 (March 29, 2018 – April 11, 2018) has been completed. In this sprint, there was work done on the CTS2 project to remove the SOAP implementation and update the WSDLs to use HTTPs. The online CTS2 interactive documentation has also been moved to a URL in NCI (<https://lexevscts2docs.nci.nih.gov/cts2>). There were also several asserted value set issues and features resolved in this sprint as well as work accomplished on a whitepaper.

Sprint 80 (April 12, 2018 – April 25, 2018) has been completed. In this sprint, there was additional work done to our CTS2 project to move the XSD artifacts location to be local. There were LexEVS updates to include Neoplasm tree value set entities in the asserted value set index as well as updates to the LexEVS Remote API project to include asserted value set tests. There were four LexEVS snapshots created and deployed to the NCI development server during this sprint.

Sprint 81 (April 26, 2018 – May 9, 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 79 | LexEVS Development - Sprint 79 | LexEVS 6.5 Sprint 79 Stories |
| Sprint 79 | CTS2FW-36 | CTS2 Framework: Remove Soap Implementation and testing from this Fork |
| Sprint 79 | CTS2FW-78 | Update URLs of WSDLs from http to https |
| Sprint 79 | LEXEVS-3636 | Update links to the CTS2 on-line documentation to NCI's URL and remove external instance |
| Sprint 79 | LEXEVS-3639 | Change the URI in ResolvedConceptReference returned by Value Set Search and Resolution methods. |
| Sprint 79 | LEXEVS-3642 | Support search against a specific value set or any collection of value sets. |
| Sprint 79 | LEXEVS-3654 | Start Value Set Whitepaper using JAMIA template |
| Sprint 79 | LEXEVSCTS2-235 | Update URLs of WSDLs from http to https |
| Sprint 79 | LEXEVSCTS2-236 | Update test and version of lexevs |
| Sprint 80 | LexEVS Development - Sprint 80 | LexEVS 6.5 Sprint 80 Stories |
| Sprint 80 | CTS2FW-74 | Update XSD references and code to be local |

| Sprint | Activity | Description/Comments |
|---------------|--------------------------------|---|
| Sprint 80 | CTS2FW-86 | Update URLs of WSDLs from http to https |
| Sprint 80 | LEXEVS-3517 | I would like to include Neoplasm Tree value set entities in asserted VS index |
| Sprint 80 | LEXEVS-3664 | Investigate tree extension name space issue (LEXEVS-3660) |
| Sprint 80 | LEXEVS-3670 | Whitepaper place holder task |
| Sprint 80 | LEXEVS-3671 | 6.5.1 Release: Build Artifacts for 6.5.1.SNAPSHOT.8 |
| Sprint 80 | LEXEVS-3681 | Serialization Error against the RMI of Resolved Value Set iterator |
| Sprint 80 | LEXEVS-3686 | 6.5.1 Release: Build Artifacts for 6.5.1.SNAPSHOT.9 |
| Sprint 80 | LEXEVS-3689 | AssertedValueset iterator cannot advance over paged next call |
| Sprint 80 | LEXEVS-3694 | Change the coding scheme name in ResolvedConceptReference returned by both search and resolution API. |
| Sprint 80 | LEXEVS-3698 | 6.5.1 Release: Build Artifacts for 6.5.1.SNAPSHOT.10 |
| Sprint 80 | LEXEVS-3703 | Expand Iterator Tests for Asserted Value Sets |
| Sprint 80 | LEXEVS-3707 | 6.5.1 Release: Build Artifacts for 6.5.1.SNAPSHOT.11 |
| Sprint 80 | LEXEVSCTS2-237 | Update URLs of WSDLs from http to https |
| Sprint 80 | LEXEVSCTS2-243 | Update to support CTS2 framework version with local XSDS |
| Sprint 80 | LEXEVSCTS2-247 | CTS2 Service: Investigate work to update lexgrid.org to be local |
| Sprint 80 | LEXEVSREM-187 | 6.5.1 Release: Build Artifacts for 6.5.1.SNAPSHOT.8 |
| Sprint 80 | LEXEVSREM-194 | Update Tests for Distributed Service For Asserted VS Search |
| Sprint 80 | LEXEVSREM-195 | 6.5.1 Release: Build Artifacts for 6.5.1.SNAPSHOT.9 |
| Sprint 80 | LEXEVSREM-198 | Fix remote API tests not running |
| Sprint 80 | LEXEVSREM-206 | 6.5.1 Release: Build Artifacts for 6.5.1.SNAPSHOT.10 |
| Sprint 80 | LEXEVSREM-213 | Expand Iterator Tests for Asserted Value Sets |
| Sprint 80 | LEXEVSREM-214 | 6.5.1 Release: Build Artifacts for 6.5.1.SNAPSHOT.11 |
| Sprint 80 | LEXSYSTEST-89 | Update CTS2 version to 1.3.3.1.FINAL in REST test |
| Sprint 80 | LEXSYSTEST-93 | Update lexevs load script to include BuildResolvedAndAssertedValueSetIndexes.sh |

| Sprint | Activity | Description/Comments |
|---------------|--------------------------------|---|
| Sprint 80 | LEXSYSTEST-97 | Update tests so skipRemote, skipCts2 don't fail with the new checks |
| Sprint 80 | LEXSYSTEST-101 | Update Remote API test script to create only one test result xml file |

B. New Releases of the Software

| Release | Description of the Release |
|--|--|
| <p>Release Date: Sprint 80: April 12, 2018 – April 25, 2018</p> <p>The LexEVS 6.5.1.SNAPSHOT.8 release consists of the following components:</p> <p>LexEVS API</p> <ul style="list-style-type: none"> • LexEVS-install-config-6.5.1.SNAPSHOT.8.xml • LexEVS-install-6.5.1.SNAPSHOT.8.jar • extLib-6.5.1.SNAPSHOT.8.zip • lexbig-6.5.1.SNAPSHOT.8.jar | <p>LexEVS 6.5.1.SNAPSHOT.8 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.8 issues</p> |
| <p>Release Date: Sprint 80: April 12, 2018 – April 25, 2018</p> <p>The LexEVS 6.5.1.SNAPSHOT.9 release consists of the following components:</p> <p>LexEVS API</p> <ul style="list-style-type: none"> • LexEVS-install-config-6.5.1.SNAPSHOT.9.xml • LexEVS-install-6.5.1.SNAPSHOT.9.jar • extLib-6.5.1.SNAPSHOT.9.zip • lexbig-6.5.1.SNAPSHOT.9.jar | <p>LexEVS 6.5.1.SNAPSHOT.9 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.9 issues</p> |

| | |
|---|--|
| <p>Release Date: Sprint 80: April 12, 2018 – April 25, 2018</p> <p>The LexEVS 6.5.1.SNAPSHOT.10 release consists of the following components:</p> <p>LexEVS API</p> <ul style="list-style-type: none"> • LexEVS-install-config-6.5.1.SNAPSHOT.10.xml • LexEVS-install-6.5.1.SNAPSHOT.10.jar • extLib-6.5.1.SNAPSHOT.10.zip • lexbig-6.5.1.SNAPSHOT.10.jar | <p>LexEVS 6.5.1.SNAPSHOT.10 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.10 issues</p> |
| <p>Release Date: Sprint 80: April 12, 2018 – April 25, 2018</p> <p>The LexEVS 6.5.1.SNAPSHOT.11 release consists of the following components:</p> <p>LexEVS API</p> <ul style="list-style-type: none"> • LexEVS-install-config-6.5.1.SNAPSHOT.11.xml • LexEVS-install-6.5.1.SNAPSHOT.11.jar • extLib-6.5.1.SNAPSHOT.11.zip • lexbig-6.5.1.SNAPSHOT.11.jar | <p>LexEVS 6.5.1.SNAPSHOT.11 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.11 issues</p> |

C. Presentations, Documentation Updates, Community Communication

| Activity | Description of the Activity |
|-------------------------------|--|
| CTS2 6.5 Online Documentation | <p>Interactive CTS2 API website for using the CTS2 REST services is now available.</p> <ul style="list-style-type: none"> • https://lexevscts2docs.nci.nih.gov/cts2 |

D. Outstanding Issues Being Actively Worked

| Sprint | Activity/Issue | 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 | LEXSYSTEMEST-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-3640 | Place value set nodes in value set hierarchy using contributing source. |
| Sprint 81 | LEXEVS-3739 | Add ability to determine if Asserted Value Sets exist before requesting them |
| Sprint 81 | LEXEVS-3743 | Update Asserted Value Set default version to the PRODUCTION tag |
| Sprint 81 | LEXEVSCTS2-200 | CTS2 Service: Update lexgrid.org to be local |
| Sprint 81 | LEXEVS-3733 | Search Iterator Regression failure on Source Coding Scheme Name |

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 |

| 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 |

| 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 |
| 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. |
| Participation in EVS integrated services meetings | <ul style="list-style-type: none"> Cross-functional team including many of the users of EVS and developers. Meetings to understand current APIs available and determine what new ones need to be created and by what teams. |
| 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 |
|-----------------|--------------------|
|-----------------|--------------------|

| Activity | Description |
|-----------------|--|
| Sprint Status | <ul style="list-style-type: none"><li data-bbox="857 237 1015 268">• Sprint 79<li data-bbox="857 273 1015 304">• Sprint 80<li data-bbox="857 308 1015 340">• Sprint 81 |