

LexEVS 5.0 Scope Document

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Document Information

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Sign off	Date	Role	CBIIT or Stakeholder Organization
Johnita Beasley	11/11/2008	Overall EVS Technical Lead	NCI EVS
Gilberto Fragoso	11/18/2008	EVS Infrastructure	NCI EVS
Frank Hartel	11/17/2008	EVS Product Manager	NCI EVS

The **purpose of this document** is to collect, analyze, and define high-level needs and features of the National Cancer Institute Center for Biomedical Informatics and Information Technology (NCI CBIIT) caCORE LexEVS Release 5.0. This document focuses on the functionalities proposed by the product stakeholders and target users in order to make it a better product. The use-case and supplementary specifications document will detail how the framework will fulfill these needs.

Vision and Needs

The **objective of this release** of the LexEVS 5.0 is to:

- Complete EVS shift to LexBIG API (LexEVS)
- Introduce caCORE SDK based interfaces to replace EVS counterparts
- Focus on ease of adoption (EVS to LexEVS Migration)
- BDA process
- Unified OWL loader
- Model changes to prepare for ;resubmission for Silver/Gold compatibility in the Fall 2009
- Consistent naming/release numbers

Current Solution

EVS 4.2

Proposed Solutions

LexEVS 5.0

Functional Requirements

Each enhancement, modification or new feature is described in detail below.

GForge number (hyperlinked)	Brief description of functional requirement (enhancement or new feature)	Iteration (Approved or Proposed)
17509	Model revisions & readiness for Silver/Gold Compatibility (<i>scope modified & approved 1/14/09</i>)	—
17511	Data Services - SDK	—
17508	Build and Deployment process complete	—
18449	2009/01 model changes: (<i>please see Gforge tracker for more detail on the nature of the changes and further descriptions</i>) <ul style="list-style-type: none"> Minimal changes to the query API supported by: <ul style="list-style-type: none"> Changes to database structure (includes n-1 compatibility with existing sources) Changes to Lucene indexing Change to query implementation 	—

Functional Bug Fixes

Each bug fix included in this release is described in detail below.

GForge number (hyperlinked)	Brief description of bug	Iteration (Approved or Proposed)
15091	Implement getAssociation for EVS API web service	—
15222	Remove convenience methods for nameToCode	—
15976	Two constructors create ConceptReferenceList methods throw exceptions	—
16508	Example to dump/query auxiliary metadata	—
16579	Better error handling for invalid search criteria in http interface	—
16686	Javadocs should open in new window	—
17019	Import RRF representation of relationship groups	—
17161	Users should have the ability to request Search results be sorted	—
17183	CodingSchemeID not present in exported LexGrid XML	—
17233	Unified OWL loader	—
17405	Remove JUnit test dependency on 'Automobiles' vocab for LexEVS Grid Services	—
17410	Change -nf option to -fe (fail on error)	—
17421	EntityDescription not assigned to the NCI PT (rdfs:label) using Scrubber output	—

Non-Functional Requirements

This section describes in detail all the related requirements which must be met for this release but do not add functionality. These requirements are included in the scope and project plan due to level of effort or relative importance to the overall success of delivery of the release.

GForge number (hyperlinked)	Brief description of non-functional requirement	Iteration (Approved or Proposed)
17507	Project plan for 5.0	—
17520	Release notes for 5.0	—
17521	Update Tech and Admin Guide for 5.0	—
17510	Create Migration Guide for 5.0	—
17502	Deployment to Dev Tier	—
17503	Deployment to QA Tier	—
17504	Deployment to Stage Tier	—

17505	Deployment to Production Tier	—
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General Support Activities

This section describes in detail all the related activities which must be performed for this release but do not add functionality. These activities are included in the scope and project plan due to level of effort or relative importance to the overall success of delivery of the release.

GForge number (hyperlinked)	Brief description of general support activity	Iteration (Approved or Proposed)
—	caDSR Support	—
—	MDR Support	—
—	Training and support for users migrating to LexEVS 5.0 (development team & VKC collaboration/dependency)	—

Stakeholder Summary

Customer Name	Role	Interest/Need
George Komatsoulis	NCICB Application Infrastructure	Oversees NCICB Application Infrastructure
Avinash Shanbhag	NCICB Application Infrastructure	Oversees NCICB caCORE Software Engineering
Frank Hartel	EVS Product Manager	Directs EVS Projects
Denise Warzel	CORE Product Line Manager	Trans-CORE requirement coordination
Gilberto Fragoso	Associate Director EVS Infrastructure	Technical Direction
Wil Garcia	Project Manager/Technical	Technical Direction and Implementation
Charles Griffin	Overall LexEVS Project Manager	Project schedule and task management
Tom Johnson	Mayo Clinic Technical Project Manager/Engineering Lead	Technical Direction and Implementation
Traci St.Martin	Mayo Clinic Project Manager	Project schedule and task management

CBIIT Staff/Contractor Name	Role	Responsibilities
[caCORE:Name]	[caCORE:Role in this project]	—

Technical Environment

This product uses the following technical components which have been derived from the current [NCICB Technology Stack](#).

Client Interface	<ul style="list-style-type: none"> • NCI browsers • Programs accessing through caCORE/EVS APIs
Application Server	Jboss application server
Database Server	MySQL
Operating System	<ul style="list-style-type: none"> • Windows 2000, XP • Unix (Sun Solaris)
[caCORE:Other]	—

Product Dependencies

This release is dependent on the caCORE components or products documented in the [CORE Product Dependency Matrix](#).

Out of Scope Items

Items that are out of scope were evaluated as part of the initial scoping activities for this release, and subsequently not included in the final approved scope. These items are also documented in the cumulative backlog of requirements found on the product GForge site. They include out-of-scope functional requirements (enhancements or new features), bug fixes, non-functional requirements, and general support activities.

GForge number (hyperlinked)	Brief description of item moved from the in-scope section with brief explanation added of why it was not included in this release	Iteration during which the item was removed from in-scope
14971	Make use of logging consistent - eliminate system out. We will address this if time permits	—
15975	The NCI_Thesaurus association Has_Salt_Form and Has_Free_Acid_Or_Base needs reverse name. We will address this if time permits.	—
15667	gov.nih.nci.evs.domain.Atom.getLUI does not return value. We will address this if time permits.	—
16678	Serializer Exception on org.apache.lucene.search.regenex. We will address this if time permits.	—

Document History

Document Version:	Click the Info tab. View the Recent Changes or click the link to view the page history.
Last Modified:	Refer to the first line displayed in the document window.
Project GForge site:	LexEVS GForge project Docs archive , Files archive
Most current version:	Unless the display includes a notice that you are viewing a previous version, you are viewing the most current version of this Scope Document for the release indicated in the title.
Revision history:	Click the Info tab. In the Recent Changes area, click the link to view the page history.
Review history:	Click the Info tab. In the Recent Changes area, note the developer who made each change and the date and time. Refer to the Key People Directory for their roles. Click the link to view any page or to view the page history, and then click the link for a page. When the page opens, view the comments and changes made in that version.
Related documents:	[caCORE:Name and URL of each related document]

Project Information

CBIIT Management	Role	Responsibilities
Frank Hartel	Product Manager	Oversees development of the product: features, functions, definition of stakeholders, priorities within the scope, timeframe for release
Avinash Shanbhag	Engineering Manager	Oversees NCICB caCORE software engineering practices, conducts design reviews, guides technical development
Denise Warzel	Product Line Manager	Oversees NCICB caCORE product line. Responsible for overall product integration, major and minor release cycles. Supports Product Manager.