



FEI Systems

Connecting Every Dimension of  
Health and Human Services

# FASAMS Requirements Document

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Export Function on FASMAS Configuration tab tiles WI 8371

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Dated: 08/07/2019

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## GENERAL

### VERSION CONTROL

Date	Version	Author(s)	Brief Description of Change
8/7/2019	1.0	Jesse Lindsey	Initial Document Creation
6/2/2020	1.1	Jesse Lindsey	Update document to accommodate ME needs
6/4/2020	1.2	Jesse Lindsey	Update document
9/2/2020	1.3	Jesse Lindsey	Update screenshots
9/8/2020	1.4	Jesse Lindsey	Update doc
9/16/2020	1.5	Jesse Lindsey	Update doc with input from DCF and MEs

### STAKEHOLDERS

Role	Name
FEI Implementation Manager	Jesse Lindsey
FEI Account Manager	Kory Schnoor
FEI Product Manager	Jessica Knott
DCF OITS Project Director	Nathan McPherson
DCF SAMH Project Sponsor	Jonathan Hall
DCF Business Analysts	Gregory Nix / Victor Gaines

### SUPPORTING DOCUMENTS AND REFERENCES

- [FASAMS Simple Vocabulary 1.0.15 \(sample\)](#)
- [FASAMS Full Vocabulary 1.0.15 \(sample\)](#)

## SCOPE

### INITIAL REQUEST & ASSUMPTIONS

#### *Business Statement*

FASAMS users need the ability to export FASAMS vocabulary in two ways, a simple list of vocabulary terms (*FASAMS Simple Vocabulary*) and a list of vocabulary terms and their relationships to each other (*FASAMS Full Vocabulary*). The *FASAMS Simple Vocabulary* export will allow for quick review and analysis of the current vocabulary concepts while the *FASAMS Full Vocabulary* export will provide the MEs with a tool to allow them to upload the current vocabulary version, including concept relations to one another, to their source systems.

#### *Scope Definition*

The vocabulary tile on the configuration tab will be updated to include a new column of vertical ellipses. Clicking on a vertical ellipse will open a drop down menu with two options, Export Simple Vocabulary and Export Full Vocabulary. The vocabulary versions will be reordered in descending version order. Non-current versions of the vocabulary will be hidden from the tile to declutter the list of versions. The user will be able to click a version history icon to view older versions of the vocabulary.

## EXISTING FUNCTIONALITY

Currently, FASAMS has no ability to export any vocabulary version.

## PROPOSED FUNCTIONALITY

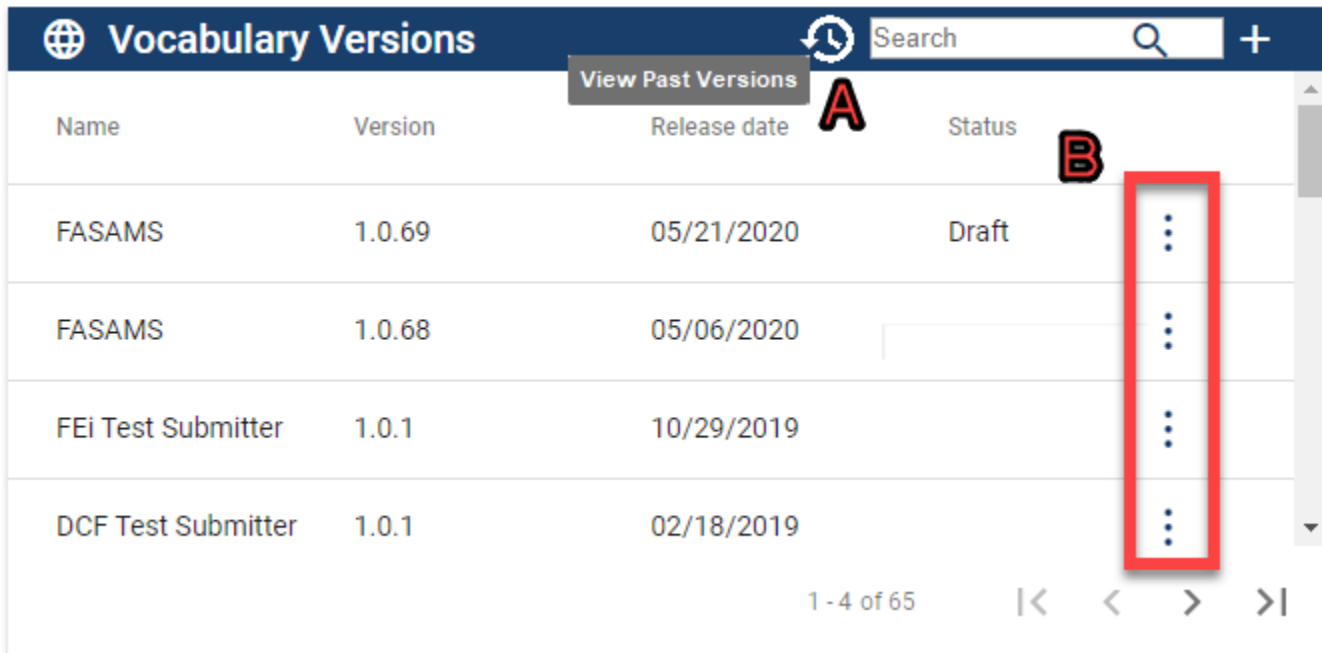
Users will be able to export any version of the FASAMS vocabulary from the configuration tab. They will be able to export either a simple vocabulary list or a full vocabulary list with relationships.

## INITIAL ESTIMATE/ QUOTE HISTORY

Phase/ Quote Date	Item(s)	Description	Estimate/ Quote
03/04/2019	8371	Initial Estimate	90 - 180
	8371	Final Estimate	Final Estimate: Analysis = 30 Dev = 96 Test = 120 Acct / Project Management = 12 <b>Total = 258</b>

## REQUIREMENTS

### 1. UPDATE VOCABULARY TILE AND EXPORT DOCUMENTS



Name	Version	Release date	Status
FASAMS	1.0.69	05/21/2020	Draft
FASAMS	1.0.68	05/06/2020	
FEi Test Submitter	1.0.1	10/29/2019	
DCF Test Submitter	1.0.1	02/18/2019	

Vocabulary Versions				Search	+
Name	Version	Release date	Status		
FASAMS	1.0.69	05/21/2020	Draft		
FASAMS	1.0.68	05/06/2020			
FEI Test Submitter	1.0.1	10/29/2019			
DCF Test Submitter	1.0.1	02/18/2019			

**Export Simple Vocabulary**

**Export Full Vocabulary**

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Req. ID	Requirement	Ref. ID	Dev	QA
1.0	Hide old versions of vocab and reorder: <ul style="list-style-type: none"> <li>• Show only the most recent of each vocabulary version (i.e. FASAMS, ICD9, ICD10)               <ul style="list-style-type: none"> <li>○ Show only one Draft version and one Active version per code system                   <ul style="list-style-type: none"> <li>▪ Note: not all code systems will have a draft version</li> </ul> </li> </ul> </li> <li>• Order by Version number descending</li> </ul>			
1.1	Add 'History' icon to the left of vocabulary search bar: <ul style="list-style-type: none"> <li>• Add Tooltip that says, "View Past Versions" when the cursor hovers over the icon               <ul style="list-style-type: none"> <li>○ When the user clicks on this icon the hidden vocabulary versions will no longer be hidden and can be scrolled through using the scroll bar                   <ul style="list-style-type: none"> <li>▪ The order of the versions will be as follows:                       <ul style="list-style-type: none"> <li>• Update to be version desc</li> </ul> </li> <li>▪ The "History toggle off" icon will appear when past versions are visible                       <ul style="list-style-type: none"> <li>• Clicking on the icon will return the Vocab list to the previous order described in requirement 1.0</li> </ul> </li> </ul> </li> </ul> </li> </ul>	A		
1.2	Create column on Vocabulary tile with vertical ellipses on each row <ul style="list-style-type: none"> <li>• Drop down menu will display on screen when the user clicks on the vertical ellipse for any data set               <ul style="list-style-type: none"> <li>○ List items on drop down menu:                   <ul style="list-style-type: none"> <li>▪ "Export Simple Vocabulary" – clicking this will download the Excel doc described in requirements 2.1 and 2.1.1</li> <li>▪ "Export Full Vocabulary" – clicking this will download the Excel doc defined in requirements 2.2 and 2.2.1</li> </ul> </li> </ul> </li> </ul>	B C		

Req. ID	Requirement	Ref. ID	Dev	QA

## 2. CREATE FASAMS VOCABULARY EXCEL EXPORT DOCUMENTS

Req. ID	Requirement	Ref. ID	Dev	QA
2.0	Create "Export Vocabulary" permission <ul style="list-style-type: none"> <li>Allows role assigned with this permission to see the Export Vocab options on Vocabulary tile dropdown</li> </ul>			
2.1	Create "<codesystemname> Simple Vocabulary" Excel export document <ul style="list-style-type: none"> <li>This document will download once the "Export Simple Vocabulary" dropdown menu item is selected</li> <li>The Vocabulary Export document will be named "&lt;code system name&gt; Simple Vocabulary 1.0.XX"</li> <li>The FASAMS Vocabulary Export document will contain 1 tab,               <ul style="list-style-type: none"> <li>"Simple Vocab 1.0.XX" tab</li> </ul> </li> </ul>		<input type="checkbox"/>	<input type="checkbox"/>
2.1.1	The "Simple Vocab 1.0.XX" tab (see <i>FASAMS Simple Vocabulary 1.0.15 (sample)</i> doc referenced above) <ul style="list-style-type: none"> <li>The tab will have 5 columns below the top, merged cell. Those 5 columns are,               <ul style="list-style-type: none"> <li>Column A:                   <ul style="list-style-type: none"> <li>Header: "<b>CodeSystemName</b>"</li> <li>Will display the vocab version type (i.e. FASAMS, ICD10, ICD9)</li> <li>Pulled from: VocabularyModule.CodeSystemVersion.CodeSystemName</li> </ul> </li> <li>Column B:                   <ul style="list-style-type: none"> <li>Header: "<b>CodeSystemVersion</b>"</li> <li>Will display the version number (i.e. 1.0.15)</li> <li>Pulled from: VocabularyModule.CodeSystemVersion.VersionName</li> </ul> </li> <li>Column C:                   <ul style="list-style-type: none"> <li>Header: "<b>ValueSetName</b>"</li> <li>Pulled from: VocabularyModule.Relationship.SourceConceptVersionInternalName</li> </ul> </li> <li>Column D:                   <ul style="list-style-type: none"> <li>Header: "<b>ConceptCode</b>"</li> <li>Pulled from: VocabularyModule.Term.TargetConceptVersionCode</li> </ul> </li> <li>Column E:                   <ul style="list-style-type: none"> <li>Header: "<b>ConceptDisplayName</b>"</li> <li>Pulled from: VocabularyModule.Term.ConceptVersionInternalName</li> </ul> </li> </ul> </li> </ul> <p>Note: The code used for original vocab extract is located here:  <a href="https://unite.feisystems.com/collab/FASAMS/Shared/Operations%20and%20Maintenance/Enhancements/Enhancements%202020.07.0%20(Q4%202019-">https://unite.feisystems.com/collab/FASAMS/Shared/Operations%20and%20Maintenance/Enhancements/Enhancements%202020.07.0%20(Q4%202019-</a></p>		<input type="checkbox"/>	<input type="checkbox"/>

Req. ID	Requirement	Ref. ID	Dev	QA
	<a href="#">2020)/Release%202020.07.1/WI%208371%20Export%20FASAMS%20vocabulary/ValueSetMembers.sql</a>			
2.2	Create “<codesystemname> Full Vocabulary” Excel export document <ul style="list-style-type: none"> <li>• This document will download once the “Export Full Vocabulary” dropdown menu item is selected</li> <li>• The Vocabulary Export document will be named “&lt;codesystemname&gt; Full Vocabulary 1.0.XX”</li> <li>• The FASAMS Vocabulary Export document will contain 1 tab,               <ul style="list-style-type: none"> <li>○ “Full Vocab 1.0.XX” tab</li> </ul> </li> <li>• The Excel doc will be developed to include all vocabulary concept codes, their Source/Target relationships, and their properties</li> </ul>		<input type="checkbox"/>	<input type="checkbox"/>
2.2.1	Export document name: “FASAMS Full Vocab 1.0.XX” columns: <ul style="list-style-type: none"> <li>• Column A:               <ul style="list-style-type: none"> <li>○ Header: “<b>CodeSystemName</b>”</li> <li>○ Pulled from: VocabularyModule.CodeSystemVersion.CodeSystemName</li> </ul> </li> <li>• Column B:               <ul style="list-style-type: none"> <li>○ Header: “<b>FASAMSConceptCode</b>”</li> <li>○ Pulled from: VocabularyModule.Relationship.SourceConceptVersionCode where relationshiptypeconceptversioninternalname = 'validassociation'</li> </ul> </li> <li>• Column C:               <ul style="list-style-type: none"> <li>○ Header: “<b>PamphletConceptCode</b>”</li> <li>○ Pulled from: VocabularyModule.Relationship.SourceConceptVersionCode where relationshiptypeconceptversioninternalname = 'validassociation'                   <ul style="list-style-type: none"> <li>▪ Only display code to the right of the ‘.’</li> </ul> </li> </ul> </li> <li>• Column D:               <ul style="list-style-type: none"> <li>○ Header: “<b>ConceptDisplayName</b>”</li> <li>○ Pulled from: VocabularyModule.Term.ConceptVersionInternalName</li> </ul> </li> <li>• Column E:               <ul style="list-style-type: none"> <li>○ Header: “<b>ConceptAbbreviation</b>”</li> <li>○ Pulled from: VocabularyModule.Term.Name where TermTypeEnum = Abbreviation</li> <li>○ Note: cell will be blank if not populated in database</li> </ul> </li> <li>• Column F:               <ul style="list-style-type: none"> <li>○ Header: “<b>ValueSetGroup</b>”</li> <li>○ Pulled from: VocabularyModule.ConceptVersionProperties.Value linked to Relationship.TargetConceptVersionKey</li> </ul> </li> <li>• Column G:               <ul style="list-style-type: none"> <li>○ Header: “<b>ValueSetCode</b>”</li> <li>○ Pulled from: VocabularyModule.Relationship.SourceConceptVersionCode where relationshiptypeconceptversioninternalname = 'groupmember'</li> </ul> </li> <li>• Column H:               <ul style="list-style-type: none"> <li>○ Header: “<b>ValueSetName</b>”</li> </ul> </li> </ul>			

Req. ID	Requirement	Ref. ID	Dev	QA
	<ul style="list-style-type: none"> <li>○ Pulled from: VocabularyModule.Relationship.SourceConceptVersionInternalName where relationshiptypeconceptversioninternalname = 'groupmember'</li> <li>● Column I:               <ul style="list-style-type: none"> <li>○ Header: <b>“Property_HelpText”</b></li> <li>○ Pulled from: VocabularyModule.ConceptVersionProperties.Value where [Name] = 'HelpText'                   <ul style="list-style-type: none"> <li>▪ Note: cell will be blank if not populated in database</li> </ul> </li> </ul> </li> <li>● Column J:               <ul style="list-style-type: none"> <li>○ Header: <b>“Property_EffectiveDate”</b></li> <li>○ Pulled from: VocabularyModule.ValueSet”MemberProperties.Value where [Name] IN ('EffectiveDate', 'Effective Date')                   <ul style="list-style-type: none"> <li>▪ Note: cell will be blank if not populated in database</li> </ul> </li> </ul> </li> <li>● Column K:               <ul style="list-style-type: none"> <li>○ Header: <b>“Property_ExpirationDate”</b></li> <li>○ Pulled from: VocabularyModule.ValueSetMemberProperties.Value where [Name] = 'ExpirationDate'                   <ul style="list-style-type: none"> <li>▪ Note: cell will be blank if not populated in database</li> </ul> </li> </ul> </li> <li>● Column L:               <ul style="list-style-type: none"> <li>○ Header: <b>“Property_DeterminationDateRequired”</b></li> <li>○ Pulled from: VocabularyModule.ValueSetMemberProperties.Value where [Name] = 'DeterminationDateRequired'                   <ul style="list-style-type: none"> <li>▪ Note: cell will be blank if not populated in database</li> </ul> </li> </ul> </li> <li>● Column M:               <ul style="list-style-type: none"> <li>○ Header: <b>“Property_PaymentType”</b></li> <li>○ Pulled from: VocabularyModule.ConceptVersionProperties.Value where [Name] = 'PaymentType'                   <ul style="list-style-type: none"> <li>▪ Note: cell will be blank if not populated in database</li> </ul> </li> </ul> </li> <li>● Column N:               <ul style="list-style-type: none"> <li>○ Header: <b>“Property_UnitOfMeasure”</b></li> <li>○ Pulled from: VocabularyModule.ConceptVersionProperties.Value where [Name] = 'UnitOfMeasure'                   <ul style="list-style-type: none"> <li>▪ Note: cell will be blank if not populated in database</li> </ul> </li> </ul> </li> <li>● Column O:               <ul style="list-style-type: none"> <li>○ Header: <b>“Property_ScoreRange”</b></li> <li>○ Pulled from: VocabularyModule.ConceptVersionProperties.Value where [Name] = 'ScoreRange'                   <ul style="list-style-type: none"> <li>▪ Note: cell will be blank if not populated in database</li> </ul> </li> </ul> </li> <li>● Column P:               <ul style="list-style-type: none"> <li>○ Header: <b>“TargetRelationshipValueSetName”</b></li> <li>○ Pulled from: VocabularyModule.Relationship.SourceConceptVersionInternalName where relationshiptypeconceptversioninternalname = 'groupmember'</li> </ul> </li> <li>● Column Q:               <ul style="list-style-type: none"> <li>○ Header: <b>“PamphletTargetRelationshipCode”</b></li> </ul> </li> </ul>			



Req. ID	Requirement	Ref. ID	Dev	QA
	<ul style="list-style-type: none"> <li>○ Pulled from: VocabularyModule.Relationship.TargetConceptVersionCode where relationshiptypeconceptversioninternalname = 'validassociation'               <ul style="list-style-type: none"> <li>▪ Only display code to the right of the '.'</li> </ul> </li> <li>● Column R:               <ul style="list-style-type: none"> <li>○ Header: <b>"FASAMSTargetRelationshipCode"</b></li> <li>○ Pulled from: VocabularyModule.Relationship.TargetConceptVersionCode where relationshiptypeconceptversioninternalname = 'validassociation'                   <ul style="list-style-type: none"> <li>▪ Note: cell will be blank if not populated in database</li> </ul> </li> </ul> </li> <li>● Column S:               <ul style="list-style-type: none"> <li>○ Header: <b>"TargetRelationshipName"</b></li> <li>○ Pulled from: VocabularyModule.Relationship.TargetConceptVersionInternalName where relationshiptypeconceptversioninternalname = 'validassociation'                   <ul style="list-style-type: none"> <li>▪ Note: cell will be blank if not populated in database</li> </ul> </li> </ul> </li> </ul>			

### 3. CREATE GUIDANCE DOCUMENT THAT EXPLAINS EACH COLUMN IN THE FULL VOCABULARY

Req. ID	Requirement	Ref. ID	Dev	QA
2.0	Create guidance document that explains each column in the Full Vocabulary export to be provided to DCF and MEs			
			<input type="checkbox"/>	<input type="checkbox"/>