



FEI Systems

Connecting Every Dimension of  
Health and Human Services

# FASAMS Requirements Document

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Add skip logic for duplicate data set records WI 568459

Created by: Jesse Lindsey

Dated: 1/12/2022

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## GENERAL

### VERSION CONTROL

Date	Version	Author(s)	Brief Description of Change
1/12/2022	1.0	Jesse Lindsey	Initial document creation
3/31/2022	1.1	Renee Sessions	Update requirements
10/26/2022	1.2	Jesse Lindsey	Small updates to documentation

### STAKEHOLDERS

Role	Name
FEI Implementation Manager	Jesse Lindsey
FEI Account Manager	Chris Lanham
FEI Business Analyst	Charlene Pitt
DCF OITS Project Director	Nathan McPherson
DCF SAMH Project Sponsor	Richard Power
DCF Business Analysts	Sofia Castro / Victor Gaines

### SUPPORTING DOCUMENTS AND REFERENCES

- Enhancement request form from DCF:  
[https://feisystems3.sharepoint.com/sites/FASAMS/\\_layouts/15/DocIdRedir.aspx?ID=FEIDOC-1387-207516](https://feisystems3.sharepoint.com/sites/FASAMS/_layouts/15/DocIdRedir.aspx?ID=FEIDOC-1387-207516)

### TERMS AND DEFINITIONS

Terms	Description

## SCOPE

### INITIAL REQUEST & ASSUMPTIONS

#### *Business Statement*

DCF requests that the job processor not perform business validation rules when a duplicate record is submitted into FASAMS.

#### *Scope Definition*

FEI will add skip logic for duplicate data set records, whereby business validation rules will not be performed against an entire data set record when the submitted record values match exactly what is currently stored in the database. For example: The skip logic would be triggered for a TreatmentEpisode record if the 'ProviderTreatmentEpisode' entity values and **ALL** values in **ALL** subentities are unchanged from the values stored in the database

Note: The skip logic will not occur on any subentity within the data set due to the negative impact on job processing performance.

Note: This job processor update will occur concordantly with the FASAMS transition to AWS Serverless.

- Link to Requirements document for WI 546000 Convert FASAMS to AWS Serverless:  
[https://feisystems3.sharepoint.com/sites/FASAMS/\\_layouts/15/DocIdRedir.aspx?ID=FEIDOC-1387-207515](https://feisystems3.sharepoint.com/sites/FASAMS/_layouts/15/DocIdRedir.aspx?ID=FEIDOC-1387-207515)

### *Assumptions, Constraints, Dependencies*

This enhancement applies only to FASAMS Version 14.

This enhancement work will be included as part of the conversion to AWS Severless.

### EXISTING FUNCTIONALITY

Currently, the job processor performs business validation rules against all records submitted into FASAMS.

### PROPOSED FUNCTIONALITY

The job processor will no longer perform business validation rules for full data set records where no field has changed from the previous submission.

For example: The skip logic would be triggered for a TreatmentEpisode record if the 'ProviderTreatmentEpisode' entity values and **ALL** values in **ALL** subentities are unchanged from the values stored in the database.

Phrased differently: If a Treatment Episode record is submitted and is exactly the same as the previously accepted submission of the Treatment Episode record, then the record will not be processed by the job processor; however, if any entity or subentity has any change to any field, then the entire Treatment Episode record will be reprocessed.

### INITIAL ESTIMATE/ QUOTE HISTORY

Phase/ Quote Date	TFS Item #(s)	Description	Estimate/ Quote
1/24/2022	568459	Initial Estimate	Included in the estimate for Enhancement 546000
10/26/2022	568459	Final Estimate	Included in the estimate for Enhancement 546000

## REQUIREMENTS

### NOTES TO DEVELOPER

#### 1. ADD SKIP LOGIC FOR DUPLICATE DATA SET RECORDS

Req. ID	Requirement	Ref. ID	Dev	QA
1.0	Add CheckSum logic to Job Processor to: <ul style="list-style-type: none"> <li>• Skip an entire data set record if the submitted record values are exactly what is currently stored in the database <ul style="list-style-type: none"> <li>○ Definition of a data set record: An entire data set record includes all fields within a data set under the root entity, including all subentities of the root entity</li> </ul> </li> </ul>		<input type="checkbox"/>	<input type="checkbox"/>

Req. ID	Requirement	Ref. ID	Dev	QA
	<ul style="list-style-type: none"> <li>○ Example: The skip logic would be triggered for a TreatmentEpisode record if the 'ProviderTreatmentEpisode' entity values and <b>ALL</b> values in <b>ALL</b> subentities are unchanged from the values stored in the database</li> <li>○ Note: The skip logic will not be applied to any specific subentity within the data set <ul style="list-style-type: none"> <li>▪ This is to avoid job processing performance issues that would be caused by executing copious CheckSums</li> </ul> </li> </ul>			

**ARE PAMPHLET UPDATE REQUIRED? YES** ☐ **NO** ☒

Update ID	Pamphlet Chapter/Sections requiring change	Completed by FEI	Approved by DCF