Solution Architecture Document

CMS-EDS Encounter Data Application

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Revision History

|  |  |  |  |
| --- | --- | --- | --- |
| Date | Author(s) | Version | Description of Version/Changes |
|  | Tom Ihlenfeldt | 1.0 | Initial Version |
|  |  |  |  |

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# Introduction

Executive summary describing the business capabilities the solution will support.

The Encounter Data Application (EDA) provides UCare the capability to submit encounter reporting information to the State of Minnesota Dept of Human Services (MnDHS) and the Center for Medicaid & Medicare Services (CMS). The data is used in creating a “risk adjustment” score for UCare’s enrollment. This score is applied against the contractual revenue amounts paid to UCare by MnDHS & CMS to create the actual amount of revenue UCare receives. By reporting timely and accurate encounter data UCare is able to collect 100% of the revenue owed to us by MnDHS & CMS. In 2016, approximately 75% of UCare revenue was subject to risk adjustment – almost $1.3 billion; with the significant rise in State public program members in 2017, the percentage is higher. In addition, UCare would be subject to breach of contract penalties by failing to report timely & accurate encounter data.[[1]](#footnote-1)

The goal behind developing this application is to address the deficiencies in the current encounter reporting systems, thereby reducing the significant financial risk associated with untimely or inaccurate reporting. Replacing these older systems is a corporate priority for UCare in order to assure encounter data generated contains high quality, accurate data that is flexible at meeting not only our regulators requirements but also reporting and analytics at UCare.

## Overview[[2]](#footnote-2)

Overview of the solution defining it’s technical capabilities

## Release Plan

|  |  |  |
| --- | --- | --- |
| **Release Version** | 1.0 |  |
| **Planned Release Date** | 10-01-2018 |  |
| **Technical Capabilities** | ODS Data Sources (Amisys)  TPA Data Sources (Optum)  EDA Engine capabilities   * Warrant, User List, Void List processing * Data Submission rules * Data Validation rules * Process control * Outbound data * Process reporting * Database archiving   Biztalk capabilities   * CMS SFTP submission/retrieval * 837I, 837P outgoing formats * 999, 277CA incoming formats   EDA Response Engine capabilities   * 999, 277CA, MAO002/1, MAO004 data formats * Process control * Response reporting   DataMart Reporting |  |

## Scope of release

### In Scope

Technical features that is part of the this release cycle.

* Use of Informatica application in EDA Engine/EDA Response Engine development
* ODS data source databases, data services that populate them (currently in place)
* TPA data source database(s) and data services that populate them
* EDA Engine supporting Amisys full encounter, Amisys chart encounter (add/delete diagnosis) & Optum chart encounter transactions
* EDA enginettes for warrant, user list and void list processing
* EDA Engine components (e.g., data validation, data submission) supporting multiple EDA Engines in a single application
* Biztalk capability to process CMS acknowledgment files & exchange files through UCare SFTP directories
* AbilityNetwork VPN services to exchange files with CMS (currently in place)
* Datamart reporting capability utilizing SSIS, SSAS & SSRS technology

### Out of Scope

Identified technical features and capabilities but note planned as part of this release cycle.

* EDA Engine supporting Chiro full encounter, Chiro add/delete diagnosis & Matrix chart encounter transactions (will be included in initial release to the extent that time/resources allow)

## Development Team

People and organizations involved in the development of the Solution Architecture.

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Title | Organization | Role/Comments |
| Brian Savage | Director, Financial Analytics | Health Care Economics | Project Sponsor |
| Milissia Olberding | Encounters Manager | Health Care Economics | Product Owner |
| Adam Rothenbuhler | Financial Analyst | Health Care Economics | Subject Matter Expert |
| Theresa Pazdernik | Project Manager / Scrum Master | Project Mgmt Office | Scrum Master |
| Cuong Nguyen | Data Architect Lead | Information Technology | Data Architect |
| Rehan Abu /  Steve Morrison | Database Administrator | Information Technology | Database Administration |
| Julie Parshall | Senior Analyst | Information Technology | ETL Developer |
| David England | Software Engineer, Sr. – SQL Server, .NET | Information Technology | SQL Developer |
| Avdeshkumar Rai | Software Engineer, Sr - Biztalk | Information Technology | Biztalk Developer |
| Brandon Leaf | QA Analyst – Encounters | Information Technology | QA Analyst |
| Amy Frick | System Analyst – Encounters | Information Technology | System Analyst |
| Noopur Rastog | BI Reporting- Encounters | Information Technology | BI Reporting Developer |
| Tom Ihlenfeldt | Tech BA – Encounters | Information Technology | Business Analyst |

## Stakeholders

Individuals representing teams or organizations with interests in, or concerns relative to the Solution and its Architecture.

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Title | Organization | Role/Comments |
| Mark Hassenstab | Associated Director, Risk Adjustment and Revenue | Health Care Economics | CMS-EDS EDA will provide information needed by Risk Adjustment & Revenue team analysis & reporting. |
| Phoukhine Soundara | Enterprise Architect | Information Technology | Solution Architecture review |
| Justin Wiech | Information Security Officer | Information Technology | Solution Security review |

# Information Systems Architectures

## Data Architecture

Description of the data used by the application. Examples include user authorization/role info, blob data types. If it’s a vendor-packaged solution, this section is optional if known and doesn’t impact intellectual property.

### Target Data Architecture

#### Target Logical Data Model

The CMS-EDS EDA data structure currently consists of several databases within the operational data store (ODS). The logical data model consists of the following databases & tables.

* CLAIMS\_ODS – This database contains data extracted from the Amisys production database. Database tables mirror the source tables in Amisys. The data is used in EDA Engine processing and in creating Outbound datasets for encounter data submission.
* CLAIMS\_ODS\_837 – This database contains 837 claim submission transaction data received at Amisys for provider services received by members. The database tables are designed to mirror the structure of 837 loops & segments; where efficient to do so, tables will represent multiple 837 loop structures in a single table. The data is used in EDA Engine processing and in creating Outbound datasets for encounter data submission.
* CLAIMS\_EDA\_MI – This database contains manual input (“MI”) tables that hold data used in controlling the EDA Engine process. Data is identified as manual input because it is created by Application users and “manually” loaded into the database. Key tables include:
  + EDA\_WARRANTS – Table contains schedule for processing encounter submissions, as well as date selection values associated with each submission date.
  + EDA\_VALIDATION RULES – Table contains rules used to validate, and possibly prevent from reporting, data selected for encounter reporting.
  + EDA\_SUBMISSION\_RULES – Table contains business rules used to determine when and how to submit encounter reporting transactions to manage UCare’s data at CMS.
* STG\_CLAIMS\_EDA – This database contains the subset of CLAIMS\_ODS data selected to be reported in a specific encounter submission. The table structures reflect the structures in CLAIMS\_ODS. In addition, other tables contain data that helps manage encounter submissions, such as lists of claim numbers to submit as new encounters or to void existing encounters. The database also contains “crosswalk data” tables used in matching/joining Amsys claim data to incoming 837 transaction data.
* CLAIMS\_ODS\_OUTBOUND – This database contains encounter data that is going to be reported to CMS for a specific submission. The database tables are designed to mirror the structure of 837 loops & segments, since encounter data will be reported to CMS in the 837 transaction formats. Where efficient to do so, tables will represent multiple 837 loop structures in a single table. The data fed to Biztalk to generate outbound 837 encounter reporting files. This database also contains several “process control” tables used to log encounter status and manage encounter submissions.
* CLAIMS\_ODS\_999 – This database contains data returned from CMS in Functional Group Acknowledgment files (999 transaction) associated with encounter files submitted by UCare. The database tables are designed to mirror the structure of 999 loops & segments; where efficient to do so, tables will represent multiple 999 loop structures in a single table. The 999 data is used to update process control status of encounters submitted as well as to provide encounter submission response reporting.
* CLAIMS\_ODS\_277CA – This database contains data returned from CMS in Claim Acknowledgment files (277CA transaction) associated with encounter files submitted by UCare. The database tables are designed to mirror the structure of 277CA loops & segments; where efficient to do so, tables will represent multiple 277CA loop structures in a single table. The 277CA data is used to update process control status of encounters submitted as well as to provide encounter submission response reporting.
* CLAIMS\_ODS\_MAO – This database contains EDS report data returned from CMS for encounters submitted by UCare[[3]](#footnote-3) Tables reflect the structure of the MAO Report transactions. In addition to providing reporting on the status of encounter data at CMS, the data will also be available as input to the UCare Enterprise Data Warehouse database.
* CLAIMS\_ODS\_ARCHIVED – This database contains archived copies of data from the CLAIMS\_ODS\_OUTBOUND database. It allows for better performance in encounter submission processing by offloading historic data from the Outbound database. The data will also provide detailed encounter data to supplement CMS response data.
* CLAIMS\_ODS\_DATAMART – This database contains dimension & fact data tables to support analytical reporting at UCare.

#### Target Data Flow Diagram

The target data flow diagram example is as given below.



## Application Architecture

### Target Application Architecture

#### Target Solution System Interaction Model



#### Target Logical Architecture of the Sample Application

If it’s a vendor-packaged solution, this section is optional if known and doesn’t impact intellectual property.



# Technology Architecture

## Target Technology Architecture

### Target Technology Environment Model with Application & Security Overlay

#### CMS Encounter data, and acknowledgment/report files returned by CMS, do contain PHI.

#### UCare does not mask or otherwise encrypt data within the ODS. As a fully internal data store, the ODS is subject to the same security restrictions as other UCare data stores. (Note: Access to ODS & Biztalk databases by the CMS-EDS EDA and UCare users is detailed in Attachment A: User Permissions – Database.)

#### UCare does not mask or otherwise encrypt data within internal directories used by the CMS-EDS EDA. (Note: Access to folders by the CMS-EDS EDA and UCare users is detailed in Attachment B: User Permissions – Folders.)

#### UCare does not mask or otherwise encrypt data within internal directories used by the CMS-EDS EDA. (Note: Access to folders by the CMS-EDS EDA and UCare users is detailed in Attachment B: User Permissions – Folders.)

#### Standard applications used by the CMS-EDS EDA are subject to standard Ucare security. (Note: Access to UC4 application by the CMS-EDS EDA and UCare users is detailed in Attachment C: User Permissions – UC4 Application.)

#### Ucare exchanges data with CMS‘ encounter data management contractor, CSSCPalmetto, using secure network services offered by Ability Network (see §8 *References* for more information on Ability Network). Ability Network has specific directories on Ucare’s SFTP server for picking up/dropping off encounter related files exchanged with CMS.[[4]](#footnote-4)

#### 

### Technology Infrastructure Diagram

The below diagram indicates the technology infrastructure required by this application. Include all environments.



### Ports and Port Description

Please include the known ports required by the system and a description of the data passing through.

* No known special port requirements.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Inbound** | **Outbound** | **Source** | **Destination** | **Protocol** | **D. Port(s)** | **Purpose** |
|  |  |  |  |  |  |  |

# User Onboarding and Offboarding

An employee can gain access to the application by following the below process:

1. The requestor opens a request in ServiceNow (https://ucare.service-now.com/ess/main.do) and fills out the Application Access Request form. The details will contain the requested role and approval by the requestor’s leader will be required.
2. A notification will be sent to the application administrator.
3. The application administrator reviews then grants user access via the admin application using the given details. The admin activities are captured and audited.
   1. Note: The application administrator will secure approval for access from Encounter Scrum Product Owner.
4. The administrator updates the status in the ServiceNow request after completing the admin function.
5. The requestor will receive the notification that his / her access has been setup via ServiceNow and can proceed to authenticate into the application.



# Roles and Privileges

## Shared and Service Accounts

List the automation ID used to run the solution.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Username** | **Authentication Service** | | **Purpose** | **Roles and Security Groups** | |
| svcBTBiztalkHostPrd |  | | Biztalk application ID | Biztalk App ID | |
| bo\_etl\_write | |  | ETL application ID | | ETL App ID |
| bi\_admin\_user | |  | Reporting application ID | | Reporting App ID |

### Roles

List the roles used within the solution.

**See Attachment A: User Permissions – Database**

**See Attachment B: User Permissions – Folders**

**See Attachment C: User Permissions – UC4**

# Business Customer Service

1. UC4/AppWorx jobs provide fail notification directly to ServiceNow. Errors in EDA are automatically assigned to Encounter Scrum Application Support.
2. Encounter Scrum Application Support monitors EDA execution. In event of fail, Application Support provides Tier1/2 troubleshooting and resolution, updating ServiceNow with original issue (if not automated from UC4/AppWorx) and resolution.
3. Encounter Scrum Application Support team may engage other Information Technology staff for assistance with specific issues. ServiceNow ticket assignment stays with Application Support.
4. Other members of the Encounter Scrum team may experience/witness issues with the EDA, and contact Encounter Scrum Application Support directly.



# Opportunities & Solutions

## Gaps, Dependencies and Impacts

### Gaps

Provide a list of major technical gaps which were identified during development of the Solution Architecture and how these gaps are to be closed. For example, if certain technologies are required but no capabilities are available, or any security, Disaster Recover or monitoring gap. **Any exceptions to standards are considered technical gaps and need to be documented here.**

|  |  |
| --- | --- |
| **Description of Gap** | **How the Gap Is Closed** |
| Some database names reflect implementation of specific encounter reporting engine (DHS), whereas names should reflect broader use. | Implement modified databases/tables for CMS and future engine releases (including future conversion of DHS to Informatica environment). |
| Significant performance issues in production environment, not experiencing across lower environments (Stage, QA, Dev). | Working with I.T. to include database maintenance jobs (e.g., Stats) included in application schedule. Other steps, as identified and appropriate. *This issue, if not resolved, will prohibit UCare from submitting encounter data in a timely manner.* |
| EDA Response Engine not automated in existing encounter reporting engine (DHS). | Design CMS-EDS engine to automatically listen for response files and automatically initiate EDA Response Engine processing. |

### Dependencies

Provide a list of major external dependencies, such as availability of enterprise services, vendor products, etc., and the risks due to these dependencies.

|  |  |
| --- | --- |
| **Dependency** | **Risk Due to Dependency** |
| ETL Data Services must copy incoming 837 file & Amisys data to ODS in a timely & accurate manner. | Without timely & accurate ODS data sources, encounter data cannot be submitted. *The future CORE system implementation could have a major impact on timely & accurate availability of data, since the database and flow of the data sources (Amisys, 837 EDI files) will change to some degree.* |
| MAO004 Report file manually retrieved by Enrollment area. | If enrollment does not retrieve, data would not be available for ODS datamart reporting. |
| Ability Network service must be operational to exchange files with CMS. | Without Ability Network, Ucare can generate encounter files but cannot submit them to CMS.  Without Ability Network, Ucare cannot receive & process response files, ultimately preventing the EDA Engine from accurately generating encounter data submissions. |

### Impacts

Provide a list of major impacts this solution has on other initiatives and efforts, such as providing enterprise services, replacing an existing functionality utilized by other efforts, etc.

|  |  |
| --- | --- |
| **Impact** | **Scope of the Impact** |
| CMS-EDS application will replace existing Trizetto EncounterPro solution. | Entire Trizetto EncounterPro application will be retired. *The timing of the CMS-EDS EDA corresponds with the end of Trizetto support for EncounterPro.* |

## Capability Increments

If the Solution is to be rolled out in increments, provide a list of those increments and the Transitional Architectures for those increments. Each Transitional Architecture takes the Baseline Architecture and delivers a subset of Target Architecture for a capability increment.

* Currently not planning any transitional technology implementation.

# References

|  |  |
| --- | --- |
| Title | Location/Comments |
| CMS\_ODS\_EDA\_RTTM Document | <http://hub/departments/PMO/Scrum/Encounters/Shared%20Documents/CMS_ODS_EDA_RTTM.xlsx>  The RTTM document contains detailed Business Requirements and Test Plans/Cases/Results. As needed, the RTTM contains global business rules/logic for the application. |
| CMS documentation requiring UCare to use an approved Network Service Vendor (e.g., Ability Network) to exchange files with CMS. | CSFES User Guide (CMS front end system for CMS-EDS submissions*). Pg 7/27 – “A connection with an approved Network Service Vendor (NSV) must be in place prior to the establishment of an Internet Protocol (IP) connection with the EDFES.”*  <https://csscoperations.com/internet/cssc3.nsf/files/CSFES-EDFS-User-Guide.pdf/$FIle/CSFES-EDFS-User-Guide.pdf>    CMS list of Approved Network Service Vendors  <https://csscoperations.com/internet/cssc3.nsf/files/Network%20Service%20Vendors_20180103_2.pdf/$FIle/Network%20Service%20Vendors_20180103_2.pdf> |
|  |  |

# Glossary

|  |  |
| --- | --- |
| Term | Definition |
| Ability Network | Provider of private network connections to CMS to allow for file transfers and electronic transactions, like encounter reporting, required for Medicare Advantage plans like UCare. In addition to CMS-EDS submissions, UCare also submits RAPS encounter files through Ability.  Ability is approved by CMS as one of a limited number of Network Service Vendors and a Health Information Handler (HIH). UCare is required by CMS to contract with an approved Network Service Vendor for the submission of CMS-EDS encounter data (see § 8 *References*). |
| Biztalk | Microsoft BizTalk Server (or simply "BizTalk"). An Inter-Organizational Middleware System (IOMS) that enables companies to automate business processes, through the use of adapters which are tailored to communicate with different software systems used in an enterprise. Used in EDA to 1) Translate/create data between standard healthcare transaction formats & formats usable by EDA, and 2) Send/Receive files between EDA and CMS folder. |
| CSSCPalmetto | Vendor with whom CMS contracts to support the Encounter Data System and other risk adjustment systems. UCare submits encounter data to CSSCPalmetto, who manage the datat for CMS and return acknowledgment & report files to UCare. |
| CMS-EDS | CMS Encounter Data System. System used at CMS to collect Medicare encounter data for risk adjustment processing. |
| EDA | Encounter Data Application. UCare developed application for reporting encounter data. |
| EDA Engine | Specific type of encounter submission executed within the EDA (e.g., DHS, CMS-EDS). Identified by the type, format and recipient of the encounter data submission. |
| EDA Enginette | Specific mode of executing/operating the EDA Engine. Warrant, User List and Void List are available enginettes for CMS-EDS. |
| Informatica | Vendor product portfolio focused on data integration: extract, transform, load, information lifecycle management, business-to-business data exchange, cloud computing integration, complex event processing, data masking, data quality, data replication, data virtualization, master data management, ultra messaging. Used by UCare in the CMS-EDS EDA for EDA Engine/EDA Response Engine processes. |
| Matrix | Third party administrator for UCare providing home assessment services for UCare members. Matrix reports home assessment diagnostic data to the EDA. |
| Optum | Third party administrator for UCare providing chart review services for UCare members. Optum reports additional diagnostic data resulting from chart reviews to the EDA. |
| SSAS | SQL Server Analyticalanal Services. A Microsoft online analytical and transactional processing (OLAP) and data mining tool. |
| SSIS | SQL Server Integration Services. A Microsoft tool used to enable ETL. |
| SSRS | SQL Server Reporting Services. A Miscrosoft server-based report generating software system used to enable reporting. |
|  |  |

**Attachment A: User Permissions - Database**

|  |  |  |
| --- | --- | --- |
| **Environment**: Biztalk Prod |  |  |
| **Server**: UCDBBIZPRDSQL01 |  |  |
| **DB**: UCare.EDI.Ancillary |  |  |
| **Login ID** | **User Group** | **Permission** |
| uafp\_domain\svcBTBiztalkHostPrd | Biztalk Application ID | Read / Execute |
| arai@ucare.org, dsveum1@ucare.org, kgupta@ucare.org | Biztalk Developer Users | Read Only |
| [africk@ucare.org](mailto:africk@ucare.org) | Systems Analyst Users | Read Only |
| cnguyen@ucare.org, dengland@ucare.org, jsande@ucare.org | Data Architect Users | Read Only |
| jparshall@ucare.org | Developer Users | Read Only |
| bleaf@ucare.org, tihlenfeldt@ucare.org | QA Users | Read Only |
| nrastogi@ucare.org | Report Developer Users | Read Only |
| molberding@ucare.org, arothenbuhler@ucare.org | Business Users | Read Only |
|  |  |  |
| **Environment**: Biztalk Prod |  |  |
| **Server**: UCDB270PAVG |  |  |
| **DB**: UUCare.HIPAA\_5010\_999.StagingDb |  |  |
| **Login ID** | **User Group** | **Permission** |
| uafp\_domain\svcBTBiztalkHostPrd | Biztalk Application ID | Read / Execute |
| sqlbusobj | ETL Application ID | DDL Admin\* |
| arai@ucare.org, dsveum1@ucare.org, kgupta@ucare.org | Biztalk Developer Users | Read Only |
| [africk@ucare.org](mailto:africk@ucare.org) | Systems Analyst Users | Read Only |
| cnguyen@ucare.org, dengland@ucare.org, jsande@ucare.org | Data Architect Users | Read Only |
| jparshall@ucare.org | Developer Users | Read Only |
| bleaf@ucare.org, tihlenfeldt@ucare.org | QA Users | Read Only |
| nrastogi@ucare.org | Report Developer Users | Read Only |
| molberding@ucare.org, arothenbuhler@ucare.org | Business Users | Read Only |
| *\* DDL Admin includes Read / Write / Execute, View Plan* |  |  |
|  |  |  |
| **Environment**: ODS Prod |  |  |
| **Server**: UCDBCLODSAVG |  |  |
| **DB**: CLAIMS\_ODS, CLAIMS\_ODS\_835, CLAIMS\_ODS\_837, CLAIMS\_ODS\_999, CLAIMS\_ODS\_ARCHIVED, CLAIMS\_ODS\_DATAMART | | |
| **Login ID** | **User Group** | **Permission** |
| bo\_etl\_write | ETL Application ID | DDL Admin\* |
| bi\_admin\_user | Reporting Application ID | Read Only |
| arai@ucare.org, dsveum1@ucare.org, kgupta@ucare.org | Biztalk Developer Users | Read Only |
| [africk@ucare.org](mailto:africk@ucare.org) | Systems Analyst Users | Read Only |
| cnguyen@ucare.org, dengland@ucare.org, jsande@ucare.org | Data Architect Users | Read Only |
| jparshall@ucare.org | Developer Users | Read Only |
| bleaf@ucare.org, tihlenfeldt@ucare.org | QA Users | Read Only |
| nrastogi@ucare.org | Report Developer Users | Read Only |
| molberding@ucare.org, arothenbuhler@ucare.org | Business Users | Read Only |
| *\* DDL Admin includes Read / Write / Execute, View Plan* |  |  |
|  |  |  |
| **Environment**: ODS Prod |  |  |
| **Server**: UCDBCLODSAVG |  |  |
| **DB**: CLAIMS\_ODS\_MI |  |  |
| **Login ID** | **User Group** | **Permission** |
| bo\_etl\_write | ETL Application ID | DDL Admin\* |
| bi\_admin\_user | Reporting Application ID | Read Only |
| arai@ucare.org, dsveum1@ucare.org, kgupta@ucare.org | Biztalk Developer Users | Read Only |
| [africk@ucare.org](mailto:africk@ucare.org) | Systems Analyst Users | Read / Write |
| cnguyen@ucare.org, dengland@ucare.org, jsande@ucare.org | Data Architect Users | Read Only |
| jparshall@ucare.org | Developer Users | Read Only |
| bleaf@ucare.org, tihlenfeldt@ucare.org | QA Users | Read Only |
| nrastogi@ucare.org | Report Developer Users | Read Only |
| molberding@ucare.org, arothenbuhler@ucare.org | Business Users | Read / Write |
| *\* DDL Admin includes Read / Write / Execute, View Plan* |  |  |
|  |  |  |
| **Environment**: ODS Prod |  |  |
| **Server**: UCDBCLODSAVG |  |  |
| **DB**: CLAIMS\_ODS\_OUTBOUND |  |  |
| **Login ID** | **User Group** | **Permission** |
| uafp\_domain\svcBTBiztalkHostPrd | Biztalk Application ID | Read / Execute |
| bo\_etl\_write | ETL Application ID | DDL Admin\* |
| bi\_admin\_user | Reporting Application ID | Read Only |
| arai@ucare.org, dsveum1@ucare.org, kgupta@ucare.org | Biztalk Developer Users | Read Only |
| [africk@ucare.org](mailto:africk@ucare.org) | Systems Analyst Users | Read / Write |
| cnguyen@ucare.org, dengland@ucare.org, jsande@ucare.org | Data Architect Users | Read Only |
| jparshall@ucare.org | Developer Users | Read Only |
| bleaf@ucare.org, tihlenfeldt@ucare.org | QA Users | Read Only |
| nrastogi@ucare.org | Report Developer Users | Read Only |
| molberding@ucare.org, arothenbuhler@ucare.org | Business Users | Read Only |
| *\* DDL Admin includes Read / Write / Execute, View Plan* |  |  |
|  |  |  |
| **Environment**: ODS Prod |  |  |
| **Server**: UCDBCLODSAVG |  |  |
| **DB**: STG\_CLAIMS\_ODS |  |  |
| **Login ID** | **User Group** | **Permission** |
| bo\_etl\_write | ETL Application ID | DDL Admin\* |
| bi\_admin\_user | Reporting Application ID | Read Only |
| arai@ucare.org, dsveum1@ucare.org, kgupta@ucare.org | Biztalk Developer Users | Read Only |
| [africk@ucare.org](mailto:africk@ucare.org) | Systems Analyst Users | Read / Write |
| cnguyen@ucare.org, dengland@ucare.org, jsande@ucare.org | Data Architect Users | Read Only |
| jparshall@ucare.org | Developer Users | Read Only |
| bleaf@ucare.org, tihlenfeldt@ucare.org | QA Users | Read Only |
| nrastogi@ucare.org | Report Developer Users | Read Only |
| molberding@ucare.org, arothenbuhler@ucare.org | Business Users | Read Only |
| *\* DDL Admin includes Read / Write / Execute, View Plan* |  |  |

**Attachment B: User Permissions - Folders**

|  |  |  |
| --- | --- | --- |
|  |  |  |
| **Environment** | PROD |  |
| **Folder Path** | \\UCDBDW01P-P\UC\_Source\_Files\CLAIMS\_ODS\Production |  |
| **Description** | ETL source files - ingest and archive |  |
|  | \* Permission includes all subfolders. |  |
| **Login ID** | **User Group** | **Permission** |
| adhingra@ucare.org | ETL Admin Users | Full Admin |
| [africk@ucare.org](mailto:africk@ucare.org) | Systems Analyst Users | Read / Write |
| arothenbuhler@ucare.org | Business Users | Read / Write |
| bo\_etl\_write | ETL Application ID | Read / Write |
| molberding@ucare.org | Business Users | Read / Write |
| skalidindi@ucare.org | ETL Admin Users | Full Admin |
| tappugounder@ucare.org | ETL Admin Users | Full Admin |
| tnelson1@ucare.org | ETL Admin Users | Full Admin |
|  |  |  |
|  |  |  |
| **Environment** | PROD |  |
| **Folder Path** | \\UCDBDW01P-P\UC\_Source\_Files\ENCOUNTERS\_DHS\Prod |  |
| **Description** | ETL source files - ingest and archive |  |
|  | \* Permission includes all subfolders. |  |
| **Login ID** | **User Group** | **Permission** |
| adhingra@ucare.org | ETL Admin Users | Full Admin |
| [africk@ucare.org](mailto:africk@ucare.org) | Systems Analyst Users | Read / Write |
| arothenbuhler@ucare.org | Business Users | Read / Write |
| bo\_etl\_write | ETL Application ID | Read / Write |
| molberding@ucare.org | Business Users | Read / Write |
| skalidindi@ucare.org | ETL Admin Users | Full Admin |
| tappugounder@ucare.org | ETL Admin Users | Full Admin |
| tnelson1@ucare.org | ETL Admin Users | Full Admin |
|  |  |  |
|  |  |  |
| **Environment** | PROD |  |
| **Folder Path** | \\ucuninas01\biztalk2013prd\Archives\Encounters |  |
| **Description** | Biztalk file archive folder |  |
|  | \* Permission includes all subfolders. |  |
| **Login ID** | **User Group** | **Permission** |
| [africk@ucare.org](mailto:africk@ucare.org) | Systems Analyst Users | Read Only |
| arai@ucare.org | Biztalk Developer Users | Read Only |
| UAFP\_DOMAIN\svcBTBiztalkHostStg | Biztalk Application ID | Read / Write |

**Attachment C: User Permissions – UC4 Application**

|  |  |  |
| --- | --- | --- |
| **Environment** | UC4PROD |  |
| **UC4 Folder Path** | 0001 \ JOBSTREAMS \ DATA\_WAREHOUSE \ ENCOUNTERS | |
|  |  |  |
| **Login ID** | **User Group** | **Permission** |
| adhingra@ucare.org | ETL Admin Users | Read / Write / Execute |
| [africk@ucare.org](mailto:africk@ucare.org) | Systems Analyst Users | Read / Execute |
| jparshall@ucare.org | Developer Users | Read Only |
| skalidindi@ucare.org | ETL Admin Users | Read / Write / Execute |
| tappugounder@ucare.org | ETL Admin Users | Read / Write / Execute |
| tnelson1@ucare.org | ETL Admin Users | Read / Write / Execute |
|  |  |  |
| **Environment** | UC4PROD |  |
| **UC4 Folder Path** | 0001 \ JOBSTREAMS \ DATA\_WAREHOUSE \ SCHEDULES | |
|  |  |  |
| **Login ID** | **User Group** | **Permission** |
| adhingra@ucare.org | ETL Admin Users | Read / Write / Execute |
| [africk@ucare.org](mailto:africk@ucare.org) | Systems Analyst Users | Read / Execute |
| jparshall@ucare.org | Developer Users | Read Only |
| skalidindi@ucare.org | ETL Admin Users | Read / Write / Execute |
| tappugounder@ucare.org | ETL Admin Users | Read / Write / Execute |
| tnelson1@ucare.org | ETL Admin Users | Read / Write / Execute |

1. Additional detail is available in the Medicare Managed Care Manual (chapter 7) – <https://www.cms.gov/Regulations-and-Guidance/Guidance/Manuals/downloads/mc86c07.pdf>

    [↑](#footnote-ref-1)
2. Detailed Business Requirements that must be met through the application are contained in the [CMS\_ODS\_EDA\_RTTM document](http://hub/departments/PMO/Scrum/Encounters/Shared%20Documents/CMS_ODS_EDA_RTTM.xlsx). [↑](#footnote-ref-2)
3. MAO report tables include MAO002 (Encounter Data Processing Status Report), MAO001 (Encounter Data Duplicates Report) and MAO004 (Encounter Data Risk Filter Report). [↑](#footnote-ref-3)
4. Contact Ability Network to identify that standards they need to meet as a CMS Network Service Vendor, as well as what specific security technologies they employ in serving UCare. [↑](#footnote-ref-4)