Medical Care Collections Fund (MCCF) eBilling

Electronic Data Interchange (EDI)

Transactions Applications Suite (TAS)

Interface Control Document

ASC X12N/005010 275 Additional Information to Support a

Health Care Claim or Encounter

Logo for the Department of Veterans Affairs, Office of Information and Technology, Product Development, including the official seal of the Department of Veterans Affairs


Department of Veterans Affairs

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Version 1

Revision History

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# Introduction

This document describes the interface between a MCCF EDI TAS application and the VA Financial Services Center in Austin, TX (FSC) related to the electronic processing of ASC X12N/005010 275 Additional Information to Support a Health Care Claim or Encounter message.

## Purpose

The purpose of this Interface Control Document (ICD) is to define the message structure and protocols which govern the interchange of data between eBilling within MCCF EDI TAS and the VA Financial Services Center (FSC) related to the electronic processing of

* ASC X12N/005010 275 Additional Information to Support a Health Care Claim or Encounter

## Scope

This ICD specifies the interface between MCCF EDI TAS eBilling and FSC. This document provides details on the functional, performance, operational and design requirements for the interface. This document defines the layouts for the data that the FSC receives from MCCF EDI TAS eBilling. This document is intended for all parties requiring such information, including business stakeholders, end-users, software developers, system designers, testers and anyone else responsible for implementing this interface.

## System Identification

MCCF EDI TAS eBilling is software designed to support the processing of claims, request/inquiries and responses related to health care services, claims and encounter reviews. This interface supports the electronic transmission of ASC X12N/005010 275 Additional Information to Support a Health Care Claim or Encounter messages between MCCF EDI TAS eBilling and FSC.

The messages are initially mapped by MCCF EDI TAS eBilling to FHIR resources inside a FHIR bundle and transmitted to FSC where they are translated into ASC X12N/005010 275 Additional Information to Support a Health Care Claim or Encounter messages and sent to the respective payer.

### MCCF EDI TAS eBilling

|  |  |
| --- | --- |
| System | Details |
| Title |  |
| Abbreviation |  |
| Version number |  |
| Release number |  |
| Point of Contact |  |
| Vendor [optional] |  |

The TAS Platform will modernize and automate the business processes used currently as part of the VA revenue cycle. This includes insurance verification, billing, and claims processing, payment, and remittance. These processes are tied to other processes that are out of scope, including documenting the care provided, coding treatment and encounters, and sending claims and receiving remittance to and from the clearinghouse.

This interface supports the electronic third party billing process which involves the electronic transmission of ASC X12N/005010 275 Additional Information to Support a Health Care Claim or Encounter messages to the insurance company or payer requesting the additional information.

### FSC

|  |  |
| --- | --- |
| System | Details |
| Title |  |
| Abbreviation |  |
| Version number |  |
| Point of Contact |  |
| Vendor [optional] |  |

The system(s) at FSC, receives the data from the TAS Platform, translates the data into a standard ASC X12N/005010 275 Additional Information to Support a Health Care Claim or Encounter messages, validates the data complies with HIPAA standards and then forwards the claim data to the payer.

## Operational Agreement

This ICD provides the specification for an interface between MCCF EDI TAS eBilling and FSC regarding Health Care Services Review data. The Chief Business Office (CBO) is responsible for notifying FSC personnel of any potential or planned changes to data feeds once these changes are known in order to minimize adverse impacts.

# Interface Definition

ASC X12N/005010 275 Additional Information to Support a Health Care Claim or Encounter data is transmitted between MCCF EDI TAS eBilling and the FSC in FHIR bundles.

## System Overview

FSC is designed to receive FHIR data from MCCF EDI TAS and to translate that data into an ASC X12N/005010 275 Additional Information to Support a Health Care Claim or Encounter message which is then forwarded on to payers seeking the additional information the message contains.

### Overview Diagram

Interim solution



To be solution



## Interface Overview

The messages exchanged between MCCF EDI TAS eBilling and FSC can be done in real time or as queued messaging.

### Connectivity between the systems



## Operations

Tbd

### Data Extraction

Data being sent to FSC will be extracted from the VistA databases using a FHIR server.

### Data Transformation

MCCF EDI TAS doesn’t transform data for 275 transactions going to FSC.

### Sending/Receiving

MCCF EDI TAS eBilling sends FHIR messages to FSC.

## Data Transfer

Data is transferred between the FSC and the TASCore Application Stack.

## Transaction Types

MCCF EDI TAS transmits FHIR bundles consisting of different FHIR resources needed to construct a 275 transaction. The content is modeled on the ASC X12N/005010 275 Additional Information to Support a Health Care Claim or Encounter standard and contains the data elements necessary for FSC to create valid ASC X12N/005010 275 Additional Information to Support a Health Care Claim or Encounter transaction to send to payers. The ASC X12N/005010 275 Additional Information to Support a Health Care Claim or Encounter is a response message caused by receipt of a 277 message – a request for additional health care claim information. (See 277RFAI ICD)

FSC receives 277 Health Care Claim Request for Additional Information from Payers and forwards that to MCCF EDI TAS as a Bundle containing necessary FHIR resources. The ASC X12N/005010 275 Additional Information to Support a Health Care Claim or Encounter message is the response and will transfer that data in FHIR resources inside FHIR bundles to MCCF EDI TAS .

## Data Exchanges

MCCF EDI TAS sends a 275 FHIR bundle to FSC in response to having received a 277 Health Care Claim Request for Additional Information as a FHIR bundle from FSC. The 275 FHIR bundle sent to FSC contains the necessary FHIR resources so FSC can construct a 275 transaction in ASC X12N/005010 format which then forwards the ASC X12N/005010 275 Additional Information to Support a Health Care Claim or Encounter transaction on to the payer.

Refer to Section Appendix A.

### FHIR Based Resources

The following FHIR resources are needed to assemble a 275 transaction FHIR bundle

* Basic
* Claim
* Consent
* MessageHeader

### JSON Format

Messages are formatted using the JSON format and implement a Bundle FHIR Resource.

Refer to <https://www.hl7.org/fhir/json.html> for JSON representation of FHIR Resources.

#### 275 Response FHIR bundle

A bundle implementing a 275 response sent to FSC will have the following structure:

See appendix A.

### Bundle Definition

A Bundle is a container for resources, enabling the grouping and transmission of resources altogether. Resources such as Claim, Patient, etc. will be transmitted inside multiple entries (see entry list inside Bundle) as a resource type.

A Bundle is a top level container in FHIR that contains all the FHIR resources desired for a transaction between MCCF EDI TAS and FSC.



Figure 1 - Source https://fhir-drills.github.io/bundle.html



Figure 2 - Source <https://www.hl7.org/fhir/bundle.html>

## Communications Methods

### Ports and Protocols

#### HTTP(S)

Used for real time communication.

#### AMQP

AMQP offers reliable messaging via queues.

### ESB Configuration(s)

Tbd

### System Configuration

TBD

## Performance Requirements

System Design Document (SDD); Medical Care Collection Fund (MCCF) - Electronic Data Interchange Transaction Application Suite (EDI TAS) Section and Page or Paragraph if needed.

## Security

System Design Document (SDD); Medical Care Collection Fund (MCCF) - Electronic Data Interchange Transaction Application Suite (EDI TAS) Section and Page or Paragraph if needed.

### Is within the VA firewall

Tbd

## Testing Requirements

System Design Document (SDD); Medical Care Collection Fund (MCCF) - Electronic Data Interchange Transaction Application Suite (EDI TAS) Section and Page or Paragraph if needed.

### Comparison of Data

Tbd

### Completeness

Tbd

## Policies and Constraints

Tbd

### HIPAA Compliance

FSC receives transactions and then translates them into standard ASC X12N/005010 275 Additional Information to Support a Health Care Claim or Encounter transmission validates whether or not the data complies with HIPAA standards and then forwards the claim data to the VA Healthcare Clearing House (HCCH).

# Appendix A

## Data Elements

## Bundle

Repeating fields within a segment need context definition so they can be differentiated within a segment. Also, repeating fields across multiple segments need to be differentiated. Following steps have been used to assign context to fields.

1. Identify the segment where the resource is located (Bundle.entry.extension.url="segment" and Bundle.entry.extension.valueString="278-EVN") [MessageType-Segment]

2. Where elements repeat within a segment use extension.valueString to identify field (Basic.extension.url="sequence" and Basic.extension.valueString="278-MSH-16" or Location.identifier.extension.url="sequence" and Location.identifier.extension.valueString="278-MSH-3") [MessageType-Segment-Field]

3. Repeating segments will include an incrementing id (MSA1, MSA2, ...)



Figure 3 Source: http://www.hl7.org/fhir/bundle.html

## Resource Sections 1..N

### 275 Transaction Resources

#### Basic

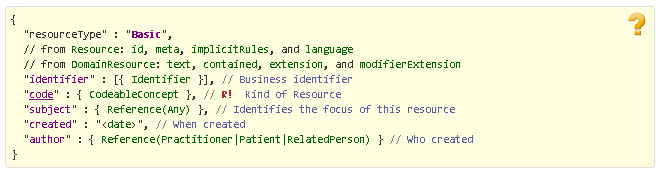


Figure 4 Source http://www.hl7.org/fhir/basic.html

#### Claim

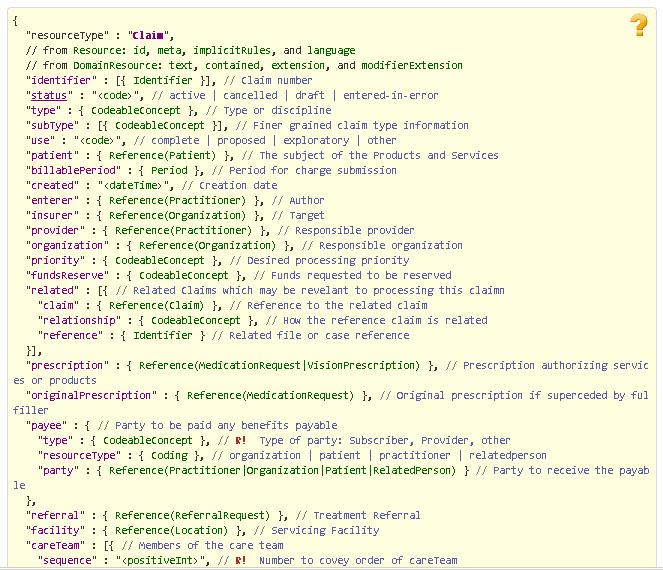


Figure 5 Source http://www.hl7.org/fhir/claim.html



Figure 6 Source http://www.hl7.org/fhir/claim.html



Figure 7 Source http://www.hl7.org/fhir/claim.html

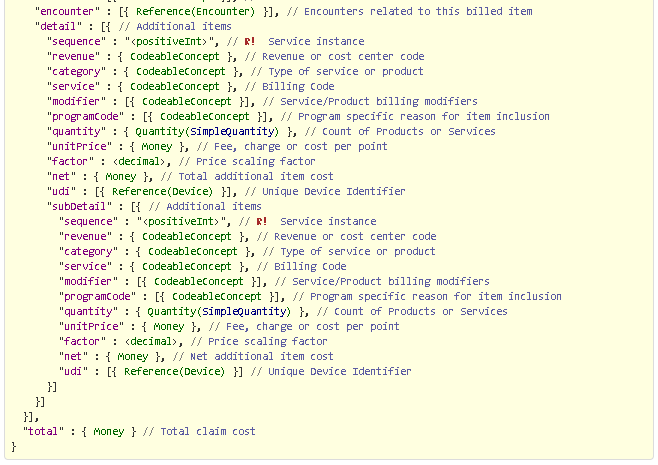


Figure 8 Source http://www.hl7.org/fhir/claim.html

#### Consent



Figure 9 Source http://www.hl7.org/fhir/consent.html

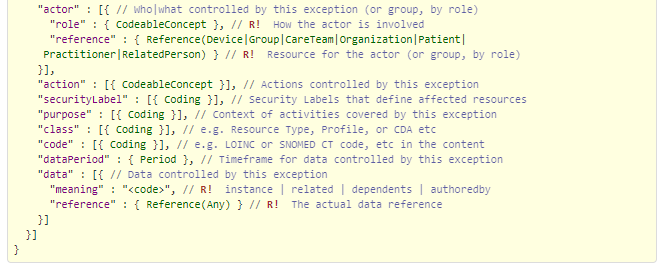


Figure 10 Source http://www.hl7.org/fhir/consent.html

#### MessageHeader

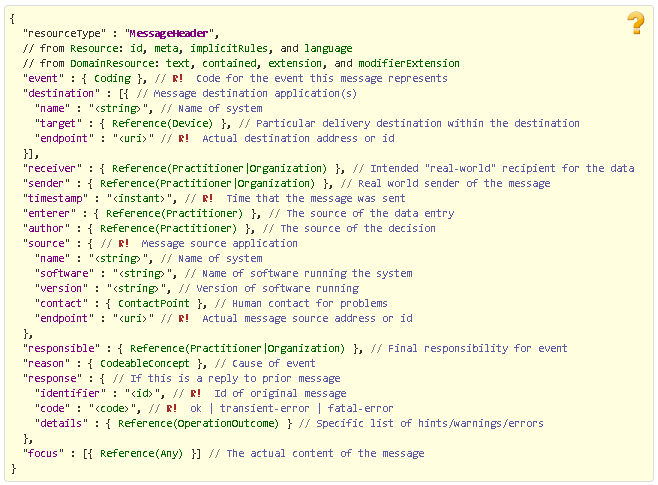


Figure 11 Source http://www.hl7.org/fhir/messageheader.html

## Embedded following columns:

#### Element #

#### Max Length

#### FSC Transaction Location

* FSC Comments
* FHIR Resource
* TASCore Comments

# Appendix B - TASCore Mapping Rules

# Appendix C – TASCore Default Values

# Appendix D – FSC Mapping Rules

# Appendix E – FSC Default Values