Medical Care Collections Fund (MCCF) eBilling

Electronic Data Interchange (EDI)

Transactions Applications Suite (TAS)

Interface Control Document

ASC X12N/005010 277STAT Health Care Claim Status

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

March 2018

Version 1

Revision History

|  |  |  |  |
| --- | --- | --- | --- |
| Date | Version | Description | Author |
| 2/20/18 | 0.0.1 | Initial creation of document | Steffen Maerdian - Halfaker |
| 2/23/2018 | 0.0.2 | Creation of the specific 277RFAI transaction document with formatting and content updates for initial draft | Keith Oulson – Halfaker and Associates |
| 3/1/18 | 1 | Finalizing the draft | Keith Oulson – Halfaker & Associates |
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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 277STAT Health Care Claim Status messages.

## 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 277STAT Health Care Claim Status transactions.

## 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 MCCF EDI TAS eBilling receives from FSC. 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

This Interface Control Document describes the interface between MCCF EDI TAS eBilling, a software stack designed to support the request/inquiries and responses related to health care services claims and encounter reviews.

This interface supports the electronic transmission and reception of various EDI transactions including the ASC X12N/005010 277STAT Health Care Claim Status between MCCF EDI TAS eBilling and FSC / Payers.

MCCF EDI TAS eBilling receives FHIR resources inside a FHIR bundle from FSC representing ASC X12N/005010 Health Care Claim Status 277STAT transaction data.

### 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.

### FSC

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

The system(s) at FSC, receives ASC X12N/005010 277STAT Health Care Claim Status data from payers, translates the data into FHIR resources and sends it to MCCF EDI TSA.

## Operational Agreement

This ICD provides the specification for an interface between ASC X12N/005010 277STAT Health Care Claim Status 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 to minimize adverse impacts.

# Interface Definition

Health Care Claim Status (277STAT) data is transmitted between FSC and MCCF EDI TAS eBilling.

## System Overview

The MCCF EDI TAS eBilling is designed to receive Health Care Claim Status 277STAT transactions from the FSC.

FSC is designed to send a FHIR bundle containing the resources derived from their receipt of an ASC X12N/005010 277STAT Health Care Claim Status transaction from a payer to MCCF EDI TAS.

### 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

No Data is being extracted from the VistA databases for this transaction, it may be inserted however as a claim status update.

### Data Transformation

Tbd

### Sending/Receiving

MCCF EDI TAS receives FHIR resources in a FHIR bundle from FSC so that a 277STAT can be processed from a payer and the relevant claim information can be updated in eBilling.

## Data Transfer

Data is transferred between the FSC and the TASCore Application Stack

## Transaction Types

MCCF EDI TAS receives a FHIR bundle consisting of different FHIR resources representing a Health Care Claim Status message (277STAT) from FSC. FSC receives the ASC X12N/005010 Health Care Claim Status (277STAT) transaction from payers.

## Data Exchanges

MCCF EDI TAS receives a FHIR bundle, representing the 277STAT transaction FSC received from a payer. The payer sends a 277STAT transaction to the FSC to provide claim status updates as directed or when desired. Refer to Section Appendix A.

### FHIR Based Resources

The following FHIR resources in a Bundle are expected from FSC for the 277STAT transaction

* Basic
* Claim
* ClaimResponse
* CommunicationRequest
* EpisodeOfCare
* MessageHeader
* OperationOutcome
* Organization
* Patient
* RelatedPerson

### 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.

### Bundle Definition

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.

It is a container for resources, enabling one to group and transmit resources altogether at once. Resources such as Claim, Patient, etc. will be transmitted inside multiple entries (see entry list inside Bundle) as a resource type.



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



Figure - 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 standard ASC X12N/005010 Health Care Claim Status (277STAT) transactions from payers.

# 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 Source: http://www.hl7.org/fhir/bundle.html

## Resource Sections 1..N

### Basic

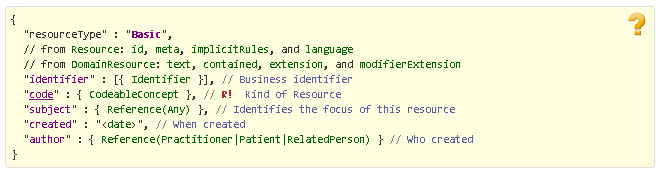


Figure Source http://www.hl7.org/fhir/basic.html

### Claim

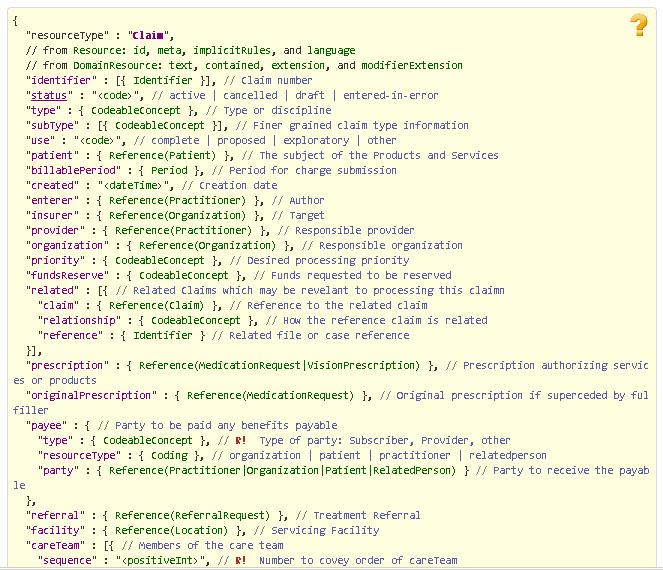


Figure Source http://www.hl7.org/fhir/claim.html



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



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

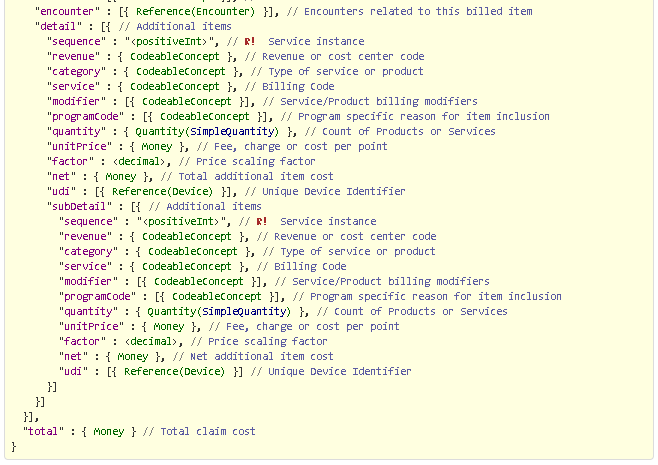


Figure Source http://www.hl7.org/fhir/claim.html

### ClaimResponse

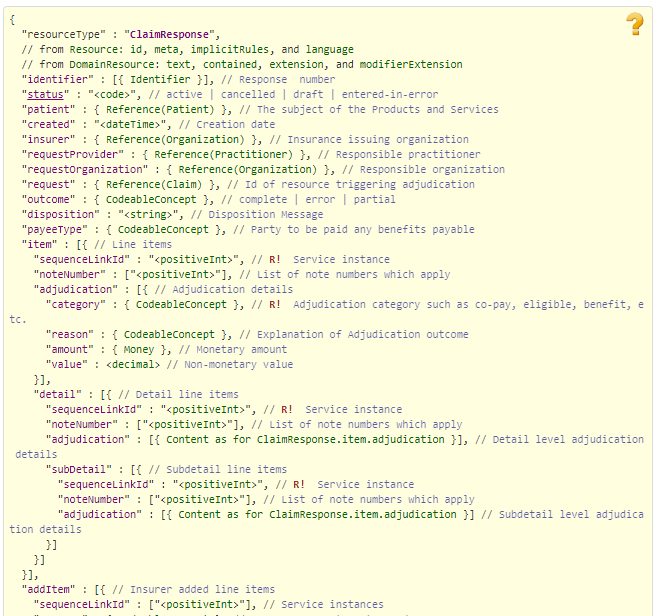


Figure Source http://www.hl7.org/fhir/claimresponse.html

### CommunicationRequest



Figure Source http://www.hl7.org/fhir/communicationrequest.html

### EpisodeOfCare

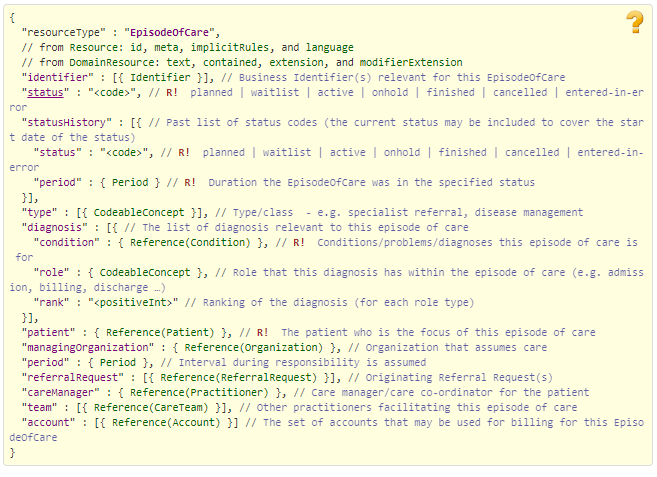


Figure Source http://www.hl7.org/fhir/episodeofcare.html

### MessageHeader

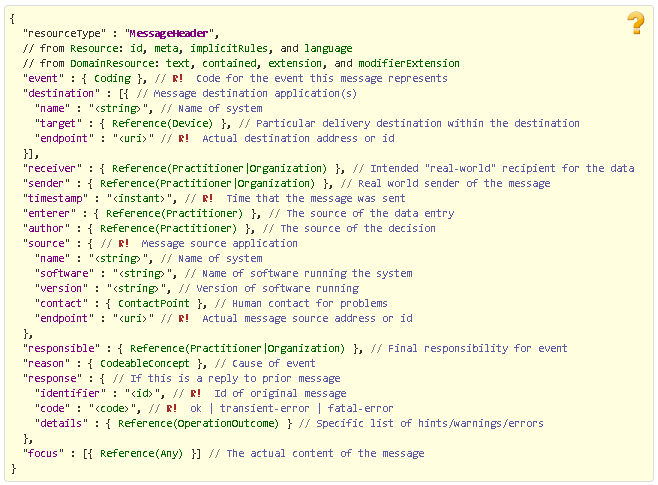


Figure Source http://www.hl7.org/fhir/messageheader.html

### OperationOutcome

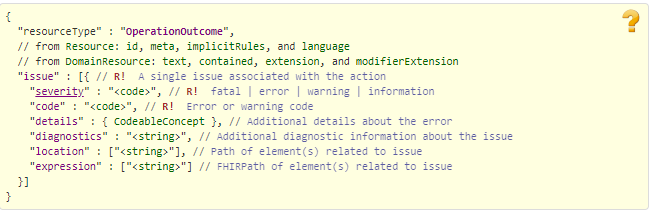


Figure Source http://www.hl7.org/fhir/operationoutcome.html

### Organization

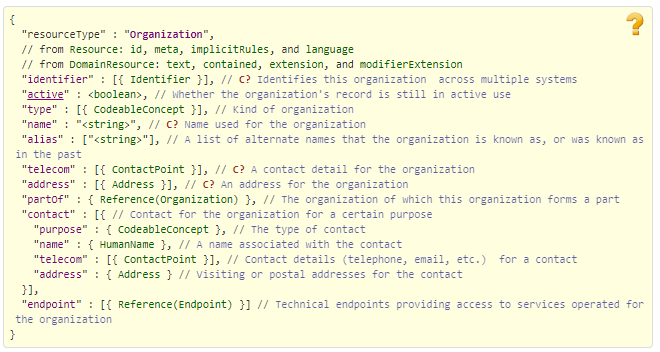


Figure Source http://www.hl7.org/fhir/organization.html

### Patient



Figure Source http://www.hl7.org/fhir/patient.html

### RelatedPerson

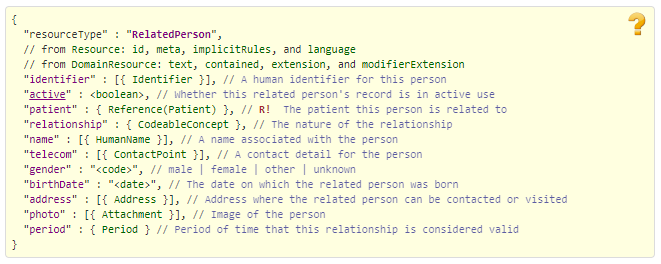


Figure Source http://www.hl7.org/fhir/relatedperson.html

## 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