**PROJECT POPLIN**

**MEDICAID REFERENCE ARCHITECTURE**

**CARE/CASE SERVICE DEFINITIONS**

**MITA Governance Board**

**Poplin Working Group**

**State of Vermont**

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# Purpose

The purpose of this document is to identify the Application Programming Interfaces (API’s) and messaging necessarily to promote modularity in the Medicaid Enterprise.

# Scope

The scope of this document relates directly to the modules in the Care and Case Management Domains.

As part of Case Management, we include the submission and processing of an individual’s application to determine eligibility for one or more Human Services.

# Business Processes

All types of case management activities fit into the core business process defined below:

## Intake

The following processes are part of the Intake Business Process. These activities consume services that are identified by API in the later sections.

## Screening

## Planning

## Implementation

## Follow-up

## Transition

## Evaluation

## Communication

## Risk Stratification

## Analysis

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# Resource Definitions

## Message

The Message resource is used to communicate between applications. The Case system will publish and consume messages using this resource.

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| message:  type: object  description: |  This resource definition will be used to send information  between systems to enable event driven processes to be  triggered with system interaction.  This resource is based in the FHIR resource defined at  https://www.hl7.org/fhir/messageheader.html.  To enable proper processing, we must require additional information  beyond the FHIR standard. Additional elements may be included but  may not be used by the target system(s).  properties:  event:  type: object  description: Code for the event this message represents  destination:  type: object  description: Message destination application(s)  required: false  timestamp: string  source:  type: object  description: Message source application  required: true  reason:  type: string  description: Cause of event  required: true  response:  type: object  description: If this is a reply to prior message  required: false  focus:  type: object[]  description: The actual content of the message  required: false |

## Referral Request

A Referral Request resource is used to Initiate a Case. The definition below defines the requirements of all systems wanting to consume the POST Case API to cause Case Initiation.

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| referralrequest:  type: object  description: |  https://www.hl7.org/fhir/referralrequest-definitions.html  The referral request object will be used as a standard to initiate a case  properties:  # these elements are required by FHIR  status:  type: string  required: true  intent:  type: string  required: true  subject:  type: object  required: true  # these elements are needed to properly identify the case needs  servicerequested: string  description: string  authoredon: datetime  requester: object  type: string  # elements needed to establish a care plan  definition:  type: object  description: Instantiates protocol or definition, plan definition  basedOn:  type: object  description: Request fulfilled by this request, care plan  reasonreference: object  # these elements may be used for additional information  identifier:  type: string  description: Business identifier  priority: string  replaces:  type: object  description: references another request that this request replaces  context: object  occurance: object  speciality: string  supportinginfo: object  note: object  # these elements will not be used when initiating a case  groupidentifier: string  recipient: object |
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## Case

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| case:  type: object  description: Represents a resource describing services being provided  properties:  identifier:  type: string  description: this is a unique identifier of a case  required: true  person:  type: object  description: a reference to the person the case is for  required: true  sequence:  type: integer  description: The order in which items appear or should be implemented  casetype:  type: string  description: the type of case  required: true  casesubtype:  type: string  description: the sub-type of the case  required: false  name:  type: string  description: the display name of the case  required: true  text:  type: string  description: the detailed description of the case  required: false  status:  type: string  description: the status of the case  enum: [submitted, pending, active, hold, rejected, closed]  required: true  acceptancestatus:  type: string  description: the status of the client’s acceptance  enum: [notapplicable, pending, rejected, accepted]  required: true  entered:  type: string  description: the date the case was entered  required: true |

# API Definitions

## Case

The Case API specification allows access to the collection of cases and all the resources that make up each case.

### POST

To create a new case the POST Case API will handle this process and return references to the case resources created.

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| /case:  post:  description: Create a new case from one or many referrals  body: referralrequest[]  responses:  200:  body:  application/json:  uri[] |

### GET

The process of getting one or more case resources is handled by the GET Case API. The following definition highlights the requirements for implementing GET Case.

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| /case:  description: A collection of cases  get:  description: Get resources from a collection  queryParameters:  identifier?: string[]  uri?: uri[]  person?: person[]  casetype?: string[]  casesubtype?: string[]  daterange?:  type: date-only[]  description: When 2 dates are entered this creates a range to search  within inclusive  responses:  200:  body:  case[]  400:  description: Bad request  403:  description: action forbidden  404:  description: not found  body:  application/json:  example: !include examples/notfoundresponse.raml |

### DELETE

To remove a case resource, use the DELETE Case API. This API will return a message to indicate the status of the request to remove the identified resource(s).

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| delete:  description: Delete one or more resources from a collection  body:  properties:  caseuri?: uri[]  identifier?: id[]  responses:  200:  body:  application/json:  example: {"message": "case resources removed"}  202:  body:  application/json:  example: {"message": "request in process"} |

## Standard Responses

### Not Found Response Example

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| {  "message": "Not Found",  "documentation\_url": "https://api. MyAPIserver.com/v1",  "Allow:": "HEAD,GET,PUT,POST,DELETE"  } |

# Message Definitions

## Message Queues

The Case system will publish case and care management related information to a *Case Information* queue to enable other systems to take action when a message is published that requires an action on their part.

The Case system will also monitor the following queues for information which may require action:

1. Provider Information
2. Plan Information
3. Performance Information
4. Client Information
5. Registry Information

## Messages

### Case Requested

This message will be published when a call to the POST Case API is made.

This message will identify the person, case type, and status of the request.

The Message resource as sent will contain the following information:

1. event.code = “Request”
2. timestamp = datetime of message generation
3. source.name = “Case ” + Application ID
4. reason = status of request  
   the reason is a codable concept and is limited to the following values for this message type: “Case Created”, “Case Denied”, “Case Closed”
5. focus[1].reference = Person Identifier
6. focus[2].reference = Case Identifier