Requirement Specification for Receipt of Alternate Electronic Visit (altEVV) Verification Systems Data

Arkansas DHS HHCS Program

Part of the Open EVV Series of Interfaces

Base Specification - Version 7.18.10

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Revision History

Version	Description	Date Updated
7.18.01	Prepared for the Arkansas-DHS Home Health program	8/1/2024
7.18.02	Responded to comments. Minor changes.	8/28/2024
7.18.03	Responded to comments. Additional minor changes.	9/9/2024
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7.18.05	Combined requirements for PASSE programs.	9/11/2024
7.18.06	Final review performed for Arkansas State submission.	9/11/2024
7.18.07	Updated PayerProgram name 'Managed Care' to 'MNGD CARE' to satisfy 9-character limit	10/03/2024
7.18.08	Employee SSN changed to OPTIONAL & Informational Exceptions added.	10/15/2024
7.18.09	Employee: Change the EmployeeQualifier value to EmployeeCustomID Employee: Change the EmployeeOtherID field to Required and the value to the same as the EmployeeIdentifier value Visit: Change the EmployeeQualifier value to EmployeeCustomID Visit: Change the EmployeeOtherID field to Required and the value to the same as the EmployeeIdentifier value	11/06/2024
7.18.10	Updated text in field VisitLocationType from 'Location Required' to 'Missing Location' for continuity with Visit Exception field. Removed references to EntityGUID that Sandata no longer offers	11/07/2024

1 State of Arkansas Specifics

This interface, for *Arkansas*, is intended for Third-Party EVV Vendors to provide completed visits on at least a daily basis to the Sandata Aggregator. Visits are completed when all required information has been supplied for the visit and all visit exceptions have been remediated. Sandata will verify that visits received pass all *Arkansas-DHS* edit rules on receipt. Note that the expectation is that all visit changes will be supplied along with the final completed visit.

This interface supplies the delivery mechanisms and the data layout/structure necessary to provide externally sourced EVV data to the Sandata systems for processing.

Base Version 7.18

1 EVV Vendor Interface Transmission Guidelines

File Format	JSON
File Delimiter	Not applicable
Headers	Not applicable
File Extension	Not applicable
File Encryption	Delivery to occur over secure HTTPS connection
Control File	Not applicable
RESTful API Endpoint(s)	UAT Client: https://uat-api.sandata.com/interfaces/intake/clients/rest/api/v1.1 Employee: https://uat-api.sandata.com/interfaces/intake/employees/rest/api/v1.1 Visit: https://uat-api.sandata.com/interfaces/intake/visits/rest/api/v1.1 Production Client: https://api.sandata.com/interfaces/intake/clients/rest/api/v1.1 Employee: https://api.sandata.com/interfaces/intake/employees/rest/api/v1.1 Visit: https://api.sandata.com/interfaces/intake/visits/rest/api/v1.1
Payload Compression	No compression of data during delivery
Delivery Mechanism	Via RESTful API call
Delivery Frequency	No less frequent than daily (at time decided by each vendor supplying the EVV data). Can be multiple times per day at the vendor's discretion.

2 Overview

This specification documents the requirements for using the Sandata Real Time Interface (part of the Open EVV Series of Interface) for receiving information from third-party EVV vendors into the Sandata Aggregator. This interface is also referred to as the Alternate EVV Data Interface or altEVV. An Alternate EVV Data Collection System builds one data pipe to the Aggregator and sends synchronous data 'packages' per defined provider agency.

This interface includes clients, employees, visits, and their associated calls as well as the ability to send data related to visit modifications.

For any additional information beyond that included in this document, please refer to the General User Guide (not state specific).

This specification has been customized for the Arkansas-DHS program.

Intended Audience

The intended audience of this document is:

- Project management and technical teams at Sandata.
- Project management and technical teams at designated providers/vendors who will be implementing this interface.

Transmission Frequency

For optimal system performance, it is recommended that visits should be sent in near real-time. It is expected that information is sent as it is added/changed/deleted in the Alternate EVV Data Collection System.

Note that rejection responses will be delivered on a separate API call that is initiated by the third party–in near real-time.

Transmission Limits

A single transaction may contain from one to 5,000 records. A single record set includes all associated elements. If the group size exceeds the maximum limit for the group, the complete group will be rejected.

During peak loads, records received may be queued and processed as resources permit. Other transactions received for the Provider ID will be queued behind these until they are processed, because they must be processed in the proper order.

Expected result of queued data is an error message: "*The result for the input UUID is not ready yet. Please try again.*"

Expected vendor action: Wait five minutes before attempting the GET status response.

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Data Type Format Details

The user sends information in JSON format. JSON allows multiple ”child” entities for a parent.

The format of the information sent must exactly match the format defined in the following table and must be sent via web service using JSON. Ultimately, Sandata supports only three data types during transmission:

- String
- Number
- Boolean

The specification uses more traditional data types to ensure that data is received in the expected formats and appropriate record-level editing can be incorporated. Except when numeric, the assumed JSON format should be string. The data type provided in the specification is based on the following field definitions.

See Appendix Technical Companion and Examples for sample transmissions.

Note that the format is case sensitive. All field names must be provided in EXACTLY the casing used in the definitions below. Sandata requires using RESTful services with JSON formatting.

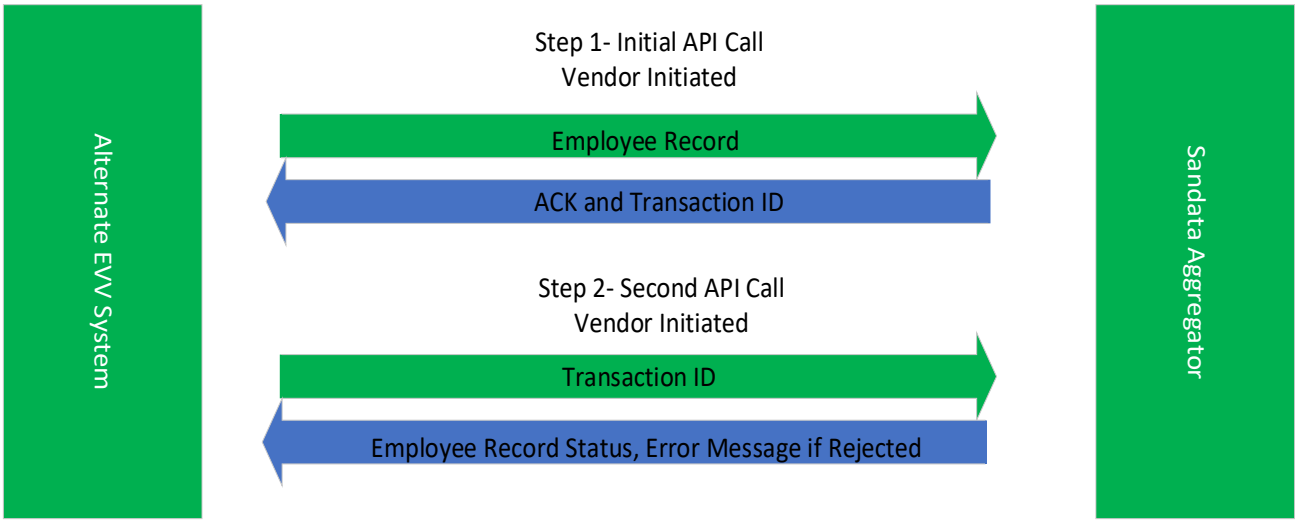
Field Definitions

Data Type	Description	Example
DateTime	The **date** and **time** are represented as a string with the following format: YYYY-MM-DDTHH:MM:SSZ All times are provided in Coordinated Universal Time (UTC).	2016-12-20T16:10:28Z
Date (only Date)	The date is represented as a string with the following format: YYYY-MM-DD	2016-12-20
Time zone	All time for tracking visits is in UTC. The time zone name expected in each transaction is the actual time zone where the event took place, such as US/Eastern.	A complete list of time zones can be found in the Appendix 4.5 of this document.
String	A **string** is a row of zero or more characters which can include letters, numbers, or other types of characters as a unit, not an array of single characters. (such as plain text).	“This is a string” (See Wikipedia String)
Integer	An **integer** is a numeric value without a decimal. Integers are whole numbers and can be positive or negative.	52110 (positive) 87721 (negative) (See Wikipedia Integer)

Data Type	Description	Example
Decimal	A floating-point number is referred to as a **decimal**. Can be positive or negative.	8221.231 (positive) -71.214 (negative) (See Wikipedia Decimal)
Boolean	A logic predicate indicator that can be either true or false.	True False (See Wikipedia Boolean)

Rejected Record Process

When records are received, Sandata will return to each group a transaction ID and an acknowledgment of receipt (ACK). This transaction ID can be queried by the caller for status of the records in the transaction. This process allows the provider/vendor to "GET status" on any of the records that may have been rejected. The following diagram is for an employee record.



Example employee record transaction

New Record and Updates

New records and updates for previously sent data should be provided via clients, employees, and visit interfaces ('data packages'). If a set of records is sent (either client, employee, or visit), all associated applicable elements should be sent. Partial updates will be rejected. An update that deletes a record will not actually remove information, because Sandata will not physically delete information. Deleted records may no longer be visible on the application; however, the record history will maintain the original data received.

Transmission Method

Sandata supports a service-oriented architecture (SOA). Sandata provides an API for third-party vendors or agency's internal IT organizations to utilize. Sandata provides sample JSON format information (Java equivalent to XML), as well as the WADL (JSON equivalent of the WSDL) to those

parties developing the interface. This specification includes the rest endpoints needed to request status on record acceptance /rejection.

See Appendix Technical Companion and Examples for sample transmissions.

Rules

The following rules apply to information received through this interface. For all rules that result in a rejection, it is expected that the issue will be resolved in the Alternate Data Collection System and the information subsequently retransmitted.

- There is one set of Interfaces per Sandata Provider Agency ID.
- There are three independent types of data provided through the Alternate EVV interface:
  - Clients
  - Employees (Field Staff)
  - Visit Information

Each independent data type is sent individually but can be delivered through the same single connection. It is critical that clients and employees be successfully received before visit information is provided.

THE ALTERNATE DATA COLLECTION SYSTEM IS RESPONSIBLE FOR:

- **Visit transmittals**. Visits should be transmitted near real-time. Actual payer frequency requirements may vary. Note that rejection responses are delivered as separate API calls initiated by the third party. Information should be sent only for those records that are added, changed, or deleted. This is considered to be an incremental interface. Records which have not changed should not be re-sent.
- **Complete transmissions**.
  - When sending a client, all applicable elements and sub elements must be sent during each transmission.
  - When sending an employee, all applicable elements and sub elements must be sent during each transmission.
  - When sending a visit, all applicable elements and sub elements must be sent during each transmission. Note that the specified client and employee must have been received prior to the visit to ensure that the client and employee exist in the Sandata Aggregator.
- **Call matching**. Calls received--regardless of the collection method used by the Alternate Data Collection System--are received together into a complete visit by the Aggregator, per the specification. Sandata will not attempt to match or rematch the visits received.
- **Data quality**. All data is accepted from third-party data "as is," including any calculated fields[1].

[1] Note that the exception to this is the latitude and longitude assigned to client addresses. Sandata will calculate this value to ensure consistency.

- **Latitude and Longitude**. Alternate EVV Data Collection Systems are responsible for providing latitude and longitude on all visits provided. Latitude and longitude must be provided for both the visit start and visit end time, assuming it is collected using a GPS-enabled device.
- **Assigning sequence numbers**. For each of the three types of records (client, employee, visit), the Alternate Data Collection System is responsible for assigning sequence numbers for each interface to ensure that updates are applied in the appropriate sequence. If a record is rejected, an incremented sequence is expected on the next transmission of that record set. Sequence numbers are per unique record type (client, employee, visit) and record set (modifications to the same client, employee, visit). For example, the first time a particular client is sent, the sequence is set to 1. The second time that the same client is sent, the sequence is set to 2, and so on.
- **Having the ability to correct defined exceptions**. Exceptions must be corrected using the standard set of reason codes provided by Payer/State. Some of the defined reason codes require additional text to provide additional information; this information must also be sent as part of this interface.
- **Change log transmission**. Changes made to all visit information must be fully logged, and the log information must be transmitted as part of the visit record, as applicable. If some data elements are received which require manual intervention (e.g., adjusted times) and a Change Log segment is not provided, the record will be rejected.
- **Using standard date/time format**. All dates and times provided must be sent in UTC format in Greenwich Mean Time (GMT).

GENERAL PROCESSING RULES:

- If a record is received and any required data is missing, malformed, or incomplete as defined in the specification, the record is rejected or set to default values in accordance with the specifications.
- If an optional field is provided with an invalid value (one not listed in this specification), the field is set to the default value, null and/or rejected, unless otherwise specified in this specification.
- If text (string) field length is longer (>/greater than) than the maximum allowed for that field value, unless otherwise noted, the field is truncated to the maximum length specified for that field.
- Any record without a sequence number will be rejected. Sequence numbers are per unique record (client, employee, visit). For example, the first time a particular client is sent, the sequence is set to 1. The second time the same client is sent, the sequence is set to 2, and so on.
- Records are processed in the order received using the assigned sequence number.
- If the record is received with a sequential number that is less than the one already processed, the data will be rejected with error “Version number is duplicated or older than current.” The vendor must correct the SequenceID and resend the data.

- Header information as determined for the payer and program must be included in each transmission for each record (client, employee, visit), otherwise the entire collection of records will be rejected.

CLIENT RULES:

The following represents a subset of the requirements for client information. See the Field Information section of this document for all applicable rules.

- If the client does not include at least one complete address (address line one, city, state, zip code) the client will be rejected.
- If the client does not include the defined unique identifier, the client will be rejected.
- If the client does not include a Client Other ID (external ID) and Sequence ID, the client will be rejected.
- If the client does not include first name, last name and time zone, the client will be rejected.
- If the client does not include all required fields, the client will be rejected.
- If required for the program, if the client does not include a Date of Birth, the record will be rejected.

  This is in place for the State of Arkansas program. Date of Birth is required for this program.

- If required for the program, the client will be validated against a State-provided member file. If the member does not exist in the State's file, the client will be rejected unless exceptions are applied.

  This is in place for the State of Arkansas program. Clients will be matched to the State provided file using the client's Medicaid ID and Date of Birth.

EMPLOYEE RULES:

The following represents a subset of the requirements for employee information. See the Field Information section of this document for all applicable rules.

- If Staff Other ID (External ID), Sequence ID and Staff ID are not provided, the employee will be rejected.
- If an employee's first name and last name are not provided, the employee will be rejected.
- If the employee does not include all required fields, the employee will be rejected.
- If required for the program, the employee will be validated against a State-provided employee file. If the employee does not exist in the State's file, the employee will be rejected unless exceptions are applied.

  This is in place for the State of Arkansas program. Employees will be matched to the State provided file using the employee's last name and Medicaid ID.

- If required for the program, if the Employee does not include the specified state identifier (e.g., Medicaid ID), the record will be rejected.

VISIT RULES:

- **Prerequisite -** Clients and Employees should be sent and successfully received before visits, to ensure they exist in the Sandata system at the time of visit receipt.
- **No Client Provided** - To allow the Aggregator to determine if the visit is for a Payer/State client, the visit must include a client. If a visit does not include a client, the complete visit will be rejected.
- **Invalid/Unknown Client Provided** - To allow the Aggregator to determine if the visit is for a Payer/State Client, the visit must include a valid client associated with the payer. If a visit includes a client that is unknown to Sandata (has not been received and accepted), the complete visit record will be rejected.
- For the State of Arkansas program, the client will be validated against the State provided file using their Medicaid ID and Date of Birth. If the client is not found, the complete visit record will be rejected.
- **No Employee Provided / Invalid or Unknown Employee Provided** - If a visit does not include an employee (visit record sent without an employee associated), the visit will reject based on program rules.
  - The Alternate EVV system is expected to be able to handle a visit that crosses calendar days.
  - A visit can only be cancelled if it does not have any calls associated with it or any adjusted times. If a visit has calls but is being cancelled in the source EVV system, the "Bill Visit" indicator should be set to **False** to indicate that the visit should be disregarded for billing purposes. The visit status will be set to **Omit** by the Aggregator.
  - If the visit does not include all required fields, the visit and all of its components will be rejected.

The following rules apply to the dates and times provided for the visit:

Date and Time Rules

Date and Time Exists for the Following:				Rule
Call In	**Call Out**	**Adjusted In**	**Adjusted Out**	
x	x			Call Out must be > Call In Otherwise, the record is rejected.
Superseded by Adj. In	Superseded by Adj. Out	X	x	Adj. Out must be > Adj. In Otherwise, the record is rejected.

Date and Time Exists for the Following:				Rule
Call In	Call Out	Adjusted In	Adjusted Out	
x	Superseded by Adj. Out		x	Adj. Out must be > Call In Otherwise, the record is rejected.
Superseded by Adj. In	x	X		Call Out must be > Adj. In Otherwise, the record is rejected.

- Upon receipt, Sandata calculates all configured Payer/Program exceptions and applies those exceptions as applicable. Exceptions that may be recalculated over the life of the visit will be calculated as appropriate.
- It is assumed that there are some exceptions that cannot be "fixed" in the Alternate Data Collection System by their nature. These exceptions are configured for the Payer/State program as requiring acknowledgement by the system user. One of the included visit elements provides the ability for the user to send an acknowledgement. These exceptions require attestation that the exception has been reviewed/acknowledged in the system, along with the appropriate reason code and attestation that appropriate documentation exists if applicable for the program. Exceptions are specific to a given Payer/Program and will be noted in Appendix 4.7.
- Upon receipt, Sandata calculates and applies visit status as defined for the Payer/Program.
- The Alternate Data Collection System is expected to send a reason code and optionally the defined resolution code if it applies to the payer. Based on the definitions of the reason codes, some reason codes require additional information explaining the change. If additional information is required, the alternate data collection system must collect the information and include it when transmitting the visit to Sandata.

  Reason codes for Arkansas are noted in Appendix 4.9. Resolution codes are not part of this program. A note is required for all reason codes.

Sequencing

The SequenceID on all three types of records (clients, employees, visits) should be independent per record and should be incremented each time any record is sent. The Sequence ID is used to ensure that a record is processed only once, and that the most current information is used for reporting and claims processing. In the event a visit update is not accepted (rejected), the SequenceID on that transmission should not be reused. The next update should increment to the next number in the sequence. **Failure to do so will cause the new record to be rejected as a duplicate**.

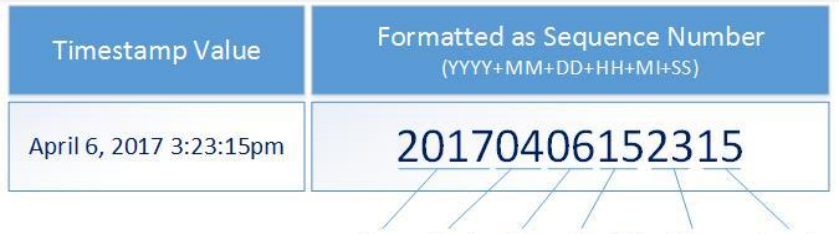
Sequence Rules:

- If the latest SequenceID is greater than the highest value previously received, the record set will not be rejected. For example, the latest SequenceID = 5, previous SequenceID = 4 è The record is accepted, and the latest record is displayed.
- If the latest SequenceID is less than the value previously received, and the record has not yet been processed, it will be accepted and recorded as historical information, but will not be applied to the Aggregator in essence rejecting the record For example, the latest SequenceID = 8, previous SequenceID = 10 è The record is accepted, and the latest record is still SequenceID = 10.
- If the Sequence ID is equal to a value previously received, it will be rejected. For example, the latest SequenceID = 15, previous SequenceID = 15 ➔ The record is rejected.
- Gaps in sequence are allowed.

Note:

For those agencies that wish to use the Alternate EVV interface, and would prefer to use timestamps as the sequence number in their deliveries, the Sandata system can accept the timestamp value as the sequence number, under two conditions:

1. The timestamp value provided must contain only numbers, and no other symbols (such as "/", "-", and ":" characters removed)
2. The timestamp value provided must be formatted as YYYYMMDDHHMMSS. For example:



Message Acknowledgement (ACK) and Transaction ID

Index	Element	Description	Max Length	Type
1	AgencyIdentifier	Unique identifier for the agency.	10	String
2	ProviderID	Unique identifier for the agency.	64	String
3	TransactionID	Unique identifier for the request generated by the payer.	50	String
4	Reason	Default and only value provided: "Transaction Received"	250	String

Response for Record Status

Index	Element	Description	Max Length	Type
1	AgencyIdentifier	Unique identifier for the agency.	10	String
2	ProviderID	Unique identifier for the agency.	64	String
3	RecordType	Type of record that was rejected. Values: Client, Employee, Visit	10	String
4	RecordOtherID	Value of the record identifier	50	String
5	Reason	Default and only value provided: “Transaction Received”	250	String

Schedule Changes Use Cases

Use Case	Action
Receiving a ***new*** schedule (no schedule exists) before the ***visit*** starts	Accept and apply
Receiving a ***new*** schedule (no schedule exists) after the ***visit*** starts	Accept and apply. (Match to existing visit if possible)
Receiving a ***new*** schedule after the ***visit*** ends	Accept and apply. (Match to existing visit if possible)
Receiving a schedule ***update*** *(edit to schedule)* ***before*** the visit starts	Accept and apply.
Receiving a schedule ***update*** *(edit to schedule)* ***after*** the ***visit*** starts	Start time, end time, worker and service cannot be changed.
Receiving a schedule ***update*** *(edit to schedule)* ***after*** the ***schedule*** starts	Start time, end time, worker and service cannot be changed.
Receiving a schedule ***update*** before the ***schedule*** starts	Accept and apply.
Receiving a schedule ***update*** after the ***visit*** ends	Reject.
Receiving a schedule ***update*** after the ***scheduled end time***	Reject.

3 Field Information

Please note, if a segment is not provided, fields marked as Required = Yes within the segment are not required.

Provider Identification – Required

Note that this element is required as part of the header information provided for all three types of transmissions. This information is compared to the connection and credentials being used within the interface as a quality check to ensure that the transmission data matches what is allowed to be transmitted for these credentials. If this match cannot be validated, the transmission is rejected. As part of the implementation process, required fields may be adjusted and the available fields may be reduced based on the program specifics.

Note that the format is case sensitive. All field names must be provided in EXACTLY the casing used in the definitions in the following table. Specifically, this includes reference values in the columns.

See Appendix Technical Companion and Examples for sample transmissions.

Index	Element	Description	Sandata Max Length	Type	Required	State of Arkansas
1	ProviderQualifier	Identifier sent as the unique identifier for the provider. Values: SandataID, NPI, API, MedicaidID, TaxID, Taxonomy, Legacy, Other.	20	String	Yes	REQUIRED This is the provider Medicaid ID. Literal Value 'MedicaidID'
2	ProviderID	Unique identifier for the agency. ID type must match to the ProviderQualifier value being passed for provider validation and lookup.	50	String	Yes	REQURIED 9-character identifier for the provider.

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Client General Information - Required

Additional fields may be required depending on the program; fields below may be ignored if a Payer Client Feed is implemented.

This endpoint receives information regarding the individual member/beneficiary (known here as the 'Client') that receives care as part of the visit. Please note - the Client record must be successfully delivered and loaded PRIOR to the delivery of the Visit information, or else the visit will be rejected due to “Client not found.”

For Arkansas, the payer will provide a feed of all clients for the program. The provider will need to ‘link’ to the client to get the client into their Sandata EVV account. With the exception of additional addresses and phone numbers as well as provider-supplied authorizations, other information will be sourced from the State.

Clients supplied will need to match to a client supplied by the state using the client’s assigned Medicaid ID and Date of Birth (DOB).

Index	Element	Description	Sandata Max Length	Type	Required	State of Arkansas
1	ClientID	Assigned `client id` If a value is assigned by another system. Note that this value can be automatically assigned by Sandata EVV. Note that this value may be used as the client identifier for telephony and MVV when Client ID entry is applicable.	10	String	DO NOT PROVIDE SANDATA SYSTEM GENERATED	DO NOT PROVIDE
2	ClientFirstName	Client’s first name. Characters allowed: A-Z ‘ . – space Truncate to 30 Characters if needed.	30	String	Yes	REQUIRED
3	ClientMiddleInitial	Client’s middle initial. Characters allows: A-Z	1	String		OPTIONAL

Index	Element	Description	Sandata Max Length	Type	Required	State of Arkansas
4	ClientLastName	Client's Last Name. Characters allowed: A-Z ' . – space Truncate to 30 Characters if needed.	30	String	Yes	REQUIRED
5	ClientQualifier	Value sent to uniquely identify the client. Values: ClientSSN, ClientOtherID, ClientCustomID, ClientMedicaidID. This value should be the same as the value used by the payer if the payer provides a client feed.	20	String	Yes.	REQUIRED Literal Value: 'ClientMedicaidID'
6	ClientMedicaidID	Unique ID provided by the State Medicaid program to the client.	64	String	Yes.	REQUIRED 10-character State Assigned Medicaid ID.
7	ClientAltMedicaidID	Alternate ID used for purposes of receiving Medicaid benefits	15	String		DO NOT PROVIDE
8	ClientIdentifier	Payer-assigned client identifier identified by `ClientQualifier`. If client and associated authorization information is received from the payer, this information will be used to link the received third-party EVV information with the payer information provided.	64	String	Yes.	REQUIRED 10-character State Assigned Medicaid ID.

Index	Element	Description	Sandata Max Length	Type	Required	State of Arkansas
9	MissingMedicaidID	Indicator that a patient is a newborn. If this value is provided, Client Medicaid ID is ignored and will be valid as null. Values True/False	5	String	DO NOT PROVIDE	DO NOT PROVIDE
10	SequenceID	The third-party visit sequence ID to which the change applied.	16	Integer	Yes	REQUIRED If TIMESTAMP is used: YYYYMMDDHHMMSS Numbers only; no other characters.
11	ClientCustomID	Additional Client User-Defined ID. Commonly used to customize the built-in client ID within the system. Must be provided if billing if in scope. May be equal to another ID provided.	24	String		OPTIONAL
12	ClientOtherID	Additional Client User-Defined ID. Commonly used to store client's ID from another system. This value is used to match the client to an existing record during import. During implementation it will be determined if this value or the `ClientSSN` will be used for matching.	24	String		REQUIRED Provide 10-character State assigned Medicaid ID.

Index	Element	Description	Sandata Max Length	Type	Required	State of Arkansas
13	ClientSSN	Client's Social Security Number. If the field is left empty, `ClientOtherID` must be populated. Not required if `ClientOtherID` sent. Numbers only, no dashes and leading zeros must be included. May be required if needed for billing. Format - #########.	9	String		DO NOT PROVIDE
14	ClientTimezone	Client's primary time zone. Depending on the program, this value may be defaulted or automatically calculated.	64	Timezone	Yes	REQUIRED US/Central for most. Please see Appendix 4.5 for other values.
15	Coordinator	The staff member assigned to the client in a specific agency as the coordinator for an employee. The value for this field is defined during implementation.	3	String		DO NOT PROVIDE
16	ProviderAssentContPlan	Indicator to capture provider's assent that the member's contingency plan provided will be reviewed with the member every 90 days and documentation will be provided. Values include Yes No.	5	Boolean		DO NOT PROVIDE
17	ClientBirthDate	Client's Date of Birth. Format YYYY-MM-DD (zero filled). This value may be required to match the payer-provided client information.	10	Date		REQUIRED

ClientPayerInformation - Conditional

This segment is only required for programs where members/clients and their association to the associated programs and services is not provided by the payer. If a client receives more than 1 service, provide all service combinations (payer/program/procedure/modifiers) each time the client is submitted to Sandata.

Index	Element	Description	Sandata Max Length	Type	Required	State of Arkansas
1	PayerID	Sandata EVV assigned ID for the payer. Payer ID is determined during the implementation process.	64	String	Yes	CONDITIONAL Provide if intent is to create a provider-supplied authorization for the client. If provided, must have a payer, program, procedure code and applicable modifiers. See Appendix 4.6 for program values.
2	PayerProgram	If applicable, the program to which this visit belongs. Potential use and list of values to be determined during implementation. See the addendum for program specific values.	9	String	Yes	CONDITIONAL Provide if intent is to create a provider-supplied authorization for the client. If provided, must have a payer, program, procedure code and applicable modifiers. See Appendix 4.6 for program values.
3	ProcedureCode	This is the billable procedure code which would be mapped to the associated service. For most programs, it is the HCPCS number. See the addendum for program specific values.	5	String	Yes	CONDITIONAL Provide if intent is to create a provider-supplied authorization for the client. If provided, must have a payer,

Index	Element	Description	Sandata Max Length	Type	Required	State of Arkansas
						program, procedure code and applicable modifiers. See Appendix 4.6 for program values.
4	ClientPayerID	Unique Identifier sent by the payer.	20	String		CONDITIONAL If 'provider-supplied' authorization is being created, this value is optional. Otherwise, Do Not Provide.
5	ClientEligibilityDateBegin	The date the client became eligible with the payer.	10	Date		DO NOT PROVIDE
6	ClientEligibilityDateEnd	The date the client ended eligibility with the payer.	10	Date		DO NOT PROVIDE
7	ClientStatus	The client's current status. Provide the two-digit code including the 0. Available values: 02 = Active, 04 = Inactive. This field is optional if ClientEligibilityDateBegin or ClientEligibilityDateEnd is sent.	2	String		DO NOT PROVIDE
8	EffectiveStartDate	The date the client is eligible to receive this service.	10	Date	Yes	CONDITIONAL Provide if intent is to create a provider-supplied authorization for the client.
9	EffectiveEndDate	The last date the client is eligible to receive this service.	10	Date		DO NOT PROVIDE
10	Modifier1	Modifier for the HCPCS procedure code. Up to 4 of these are allowed. It is required to apply modifier values in the order specifically listed.	2	String		CONDITIONAL Provide if intent is to create a provider-supplied authorization for the client. If provided, must have a payer,

Index	Element	Description	Sandata Max Length	Type	Required	State of Arkansas
						program, procedure code and applicable modifiers. See Appendix 4.6 for program values.
11	Modifier2	Modifier for the HCPCS procedure code. Up to four of these are allowed. It is required to apply modifier values in the order specifically listed.	2	String		DO NOT PROVIDE
12	Modifier3	Modifier for the HCPCS procedure code. Up to four of these are allowed. It is required to apply modifier values in the order specifically listed.	2	String		DO NOT PROVIDE
13	Modifier4	Modifier for the HCPCS procedure code. Up to four of these are allowed. It is required to apply modifier values in the order specifically listed.	2	String		DO NOT PROVIDE
14	JurisdictionID	Group level identifier within a payer.	10	String		DO NOT PROVIDE

Sandata

ClientAddress – At Least 1 Required

At least one record for each client is required. Multiple records can be provided if the client has multiple alternate addresses. If an address is provided via a payer feed, all addresses provided will be regarded as secondary based on program rules.

Index	Element	Description	Sandata Max Length	Type	Required	State of Arkansas
1	ClientAddressType	Values: Home, Business, Other. Note that multiple of the same type can be provided.	12	String	Yes	REQUIRED Literal: 'Home', 'Business' or 'Other'.
2	ClientAddressIsPrimary	One address must be designated as primary Values: true/false	5	String	Yes	REQUIRED Literal: 'false' State will be providing the client's primary address.
3	ClientAddressLine1	Street address line 1 associated with this address. A PO Box may not be acceptable for billing, and a PO box will not function correctly for MVV. Characters allowed: Alphanumeric _ . ' - # , / space Truncate to 30-characters.	30	String	Yes	REQUIRED
4	ClientAddressLine2	Street address line 2 associated with this address. Characters allowed: Alphanumeric _ . ' - # , / space Truncate to 30-characters.	30	String		OPTIONAL

Index	Element	Description	Sandata Max Length	Type	Required	State of Arkansas
5	ClientCounty	County associated with this address. Characters allowed: A-Z ‘ . - space Truncate to 25-characters.	25	String		OPTIONAL
6	ClientCity	City associated with this address. Characters allowed: A-Z . – space Truncate to 30-characters.	30	String	Yes	REQUIRED
7	ClientState	State associated with this address. Two-character standard state abbreviation – must be capitalized.	2	String	Yes	REQUIRED
8	ClientZip	Zip Code associated with this address. Required for Billing. This should be a nine-digit primary address zip code. If the additional four digits are not known, provide zeros. Format #########.	9	String	Yes	REQUIRED
9	ClientAddressLongitude	GPS longitude recorded during the event. Longitude has a range of -180 to 180 with a 15-digit precision.	20	Decimal		DO NOT PROVIDE
10	ClientAddressLatitude	GPS latitude recorded during the eve15-digititude has a range of -90 to 90 with a 15-digit precision	19	Decimal		DO NOT PROVIDE

ClientPhone – Conditional

Client phone numbers are optional although highly recommended. If a phone number is provided via a payer feed, all phone numbers provided will be regarded as secondary based on program rules. If provided, both values are required.

Index	Element	Description	Sandata Max Length	Type	Required	State of Arkansas
1	ClientPhoneType	Values: Home, Mobile, Business and Other. Note that multiple of the same type can be provided.	12	String	Yes	REQUIRED Literal: 'Home', 'Mobile', 'Business', 'Other'.
2	ClientPhone	Client phone number. Format ##########.	10	String	Yes	REQUIRED

ClientDesignee - Conditional

Provide if applicable for the Client and in the absence of a Payer member feed. DO NOT PROVIDE FOR ARKANSAS.

Index	Element	Description	Sandata Max Length	Type	Required	State of Arkansas
1	ClientDesigneeFirstName	First Name of the Client Designee. Characters allowed: A-Z '. - space	30	String	Yes	DO NOT PROVIDE
2	ClientDesigneeLastName	Last name of the Client Designee. Characters allowed: A-Z '. - space	30	String	Yes	DO NOT PROVIDE

Index	Element	Description	Sandata Max Length	Type	Required	State of Arkansas
3	ClientDesigneeEmail	Email address of the client designee.	50	String	Yes	DO NOT PROVIDE
4	ClientDesigneeStatus	Status of the client designee pertaining to Sandata system access. If the ClientDesigneeStatus is sent, ClientDesigneeStartDate and ClientDesigneeEndDate are not required. (Provide the two-digit code including the 0) Sandata System can either populate the start and end date based on the date of receipt of the status or the source system can send the activation and termination date. (Note that activation and termination dates cannot be backdated or future dated.) Available values: 02 = Active,04 = Inactive.	2	String	Conditional – required when ClientDesigneeStartDate and ClientDesigneeEndDate are not provided	DO NOT PROVIDE
5	ClientDesigneeStartDate	The date Client Designee was assigned. Future date is not acceptable. If the ClientDesigneeStartDate is sent, ClientDesigneeStatus is not required.		Date	Conditional – Required when ClientDesigneeStatus is not provided.	DO NOT PROVIDE
6	ClientDesigneeEndDate	The date that the client designee was terminated. Future date and Back date are not acceptable. If the		Date	Conditional – Required when ClientDesigneeStatus is not provided.	DO NOT PROVIDE

Index	Element	Description	Sandata Max Length	Type	Required	State of Arkansas
		ClientDesigneeEndDate is sent, ClientDesigneeStatus is not required.				
7	ClientDesigneeRelationship	Relationship of the designee to the client.	30	String		DO NOT PROVIDE

ResponsibleParty – Conditional

Provide if applicable for the Client and in the absence of a Payer member feed. DO NOT PROVIDE FOR ARKANSAS.

Index	Element	Description	Sandata Max Length	Type	Required	State of Arkansas
1	ClientContactType	Client contact type. Values: Child, Friend, Other, Parent, Sibling, Spouse.	12	String		DO NOT PROVIDE
2	ClientContactFirstName	Client contacts first name. Entered by provider agency. Characters allowed: A-Z ‘ . – space Truncate to 30 Characters	30	String		DO NOT PROVIDE
3	ClientContactLastName	Client contacts last name. Entered by provider agency. Characters allowed: Characters allowed: A-Z ‘ . – space Truncate to 30 Characters	30	String		DO NOT PROVIDE
4	ClientContactPhoneType	Client contact’s phone type. Values: Business, Home, Mobile, Other.	12	String		DO NOT PROVIDE

Index	Element	Description	Sandata Max Length	Type	Required	State of Arkansas
5	ClientContactPhone	Client contact home phone number. Entered by provider agency. Format: ##########.	10	String		DO NOT PROVIDE
6	ClientContactEmailAddress	Client contact's email address. Required if this client will be authorized to log in to the client portal as the client's authorized representative and approve timesheets on behalf of the client.	64	String		DO NOT PROVIDE
7	ClientContactAddressLine1	Client contact's street address, line 1. Characters allowed: Alphanumeric _ . ' - # , / space Truncate to 30 characters	30	String		DO NOT PROVIDE
8	ClientContactAddressLine2	Client contact's street address, line 2. Characters allowed: Alphanumeric _ . ' - # , / space Truncate to 30 characters	30	String		DO NOT PROVIDE
9	ClientContactCity	Client contact's city. Characters allowed: A-Z . – space	30	String		DO NOT PROVIDE
10	ClientContactState	Client contact's State. Two-character standard abbreviation.	2	String		DO NOT PROVIDE
11	ClientContactZip	Client contact's zip code. This is a nine-digit primary address zip code. If the additional four digits are not known, provide zeros. Format: #########.	9	String		DO NOT PROVIDE

Sandata

Employee General Information – Required

This endpoint receives information regarding the individual caregiver (known here as the 'Employee') that delivered the actual care to the individual as part of the visit. Please note- the Employee must be successfully delivered and loaded PRIOR to the delivery of the Visit information, or else the visit will be rejected due to 'Worker not found'.

For Arkansas, the payer will provide a feed of all employees for the program. The provider will need to 'link' to the employee to get the employee into their Sandata EVV account. Employees supplied will need to match to an employee supplied by the state using the employee's last name and assigned Medicaid ID.

Index	Element	Description	Sandata Max Length	Type	Required	State of Arkansas
1	EmployeeQualifier	Value being sent to unique identify the employee. Values: EmployeeSSN, EmployeeRegID, EmployeeCustomID.	20	String	Yes	Literal Value: 'EmployeeCustomID' This will be the Employee's 9-character assigned State Medicaid ID
2	EmployeeIdentifier	Employee identifier identified by EmployeeQualifier. If employee information is received from the payer, this information will be used to link the received third-party EVV information with the payer information provided and should be defined as the same value.	9	String	Yes	REQUIRED This will be the Employee's 9-character assigned State Medicaid ID
3	EmployeeOtherID	Unique employee identifier in the external system, if any.	9	String	Yes	REQUIRED This will be the Employee's 9-character assigned State Medicaid ID

Index	Element	Description	Sandata Max Length	Type	Required	State of Arkansas
4	SequenceID	The third-party visit sequence ID to which the change applied	16	Integer	Yes	REQUIRED If TIMESTAMP is used: YYYYMMDDHHMMSS Numbers only; no other characters.
5	EmployeeSSN	Employee Social Security Number. Employee SSN may be required depending on the program rules.	9	String	Yes	OPTIONAL Last 4-Digits of the Employee SSN
6	EmployeeLastName	Employee's last name Characters allowed: A-Z ' . – space Truncate to 30 characters.	30	String	Yes	REQUIRED
7	EmployeeFirstName	Employee's first name. Characters allowed: A-Z ' . – space Truncate to 30 characters.	30	String	Yes	REQUIRED
8	EmployeeEmail	Employee's email address.	64	String		DO NOT PROVIDE
9	EmployeeManagerEmail	Email of the employee's manager.	64	String		DO NOT PROVIDE
10	EmployeeAPI	Employee client's alternate provider identifier or Medicaid ID.	25	String		DO NOT PROVIDE
11	EmployeePosition	Values for Payer/State programs to be determined during implementation. If multiple positions, send primary.	3	String		DO NOT PROVIDE
12	EmployeeHireDate	Employee's date of hire.	10	Date		DO NOT PROVIDE

Index	Element	Description	Sandata Max Length	Type	Required	State of Arkansas
13	EmployeeEndDate	Employee's HR recorded end date.	10	Date		DO NOT PROVIDE

Visit General Information – Required

In addition to providing visit data, this segment may also be used to send future dated schedules, which may not yet have any associated visit information.

If a visit is changed (corrections, alterations, updates) over time, the same visit may be delivered multiple times, **each sharing the same 'VisitOtherID'**, but each change represented with a different Sequence ID- ascending over time- to allow the state's Aggregator system to keep the changes ordered appropriately. Each update requires a 'VisitChanges' segment.

Index	Element	Description	Sandata Max Length	Type	Required	State of Arkansas
1	VisitOtherID	Visit identifier in the external system. No special characters are allowed (A-Z and 0-9).	50	String	Yes	REQUIRED
2	SequenceID	The third-party visit sequence ID to which the change applied	16	Integer	Yes	REQUIRED If TIMESTAMP is used: YYYYMMDDHHMMSS Numbers only; no other characters.
3	EmployeeQualifier	Value sent to unique identify the employee. Values: EmployeeSSN, EmployeeRegID, EmployeeCustomID.	20	String	Yes	REQUIRED Literal Value: 'EmployeeCustomID'

Index	Element	Description	Sandata Max Length	Type	Required	State of Arkansas
4	EmployeeOtherID	Unique employee identifier in the external system, if any.	9	String	Yes	REQUIRED This will be the Employee's 9-character assigned State Medicaid ID
5	EmployeeIdentifier	Employee identifier identified by EmployeeQualifier. If employee information is received from the payer, this information will be used to link the received third-party EVV information with the payer information provided and should be defined as the same value.	9	String	Yes	REQUIRED This will be the Employee's 9-character assigned State Medicaid ID
6	GroupCode	This visit was part of a group visit. Group code is used to reassemble all members of the group.	6	String		DO NOT PROVIDE
7	ClientIDQualifier	Value being sent to unique identify the client. Values: ClientID, ClientSSN; ClientOtherID, ClientCustomID, ClientMedicaidID. This should be the same as the value used by the payer if the payer provides a client feed.	20	String	Yes	REQUIRED Literal Value: 'ClientMedicaidID'
8	ClientID	Identifier used in the client element.	64	String	Yes	REQUIRED The Medicaid ID of the Client.

Index	Element	Description	Sandata Max Length	Type	Required	State of Arkansas
9	ClientOtherID	Additional client user-defined ID. Commonly used to store client's ID from another system. This value is used to match the client to an existing record during import.	24	String		REQUIRED 10-character State Assigned Medicaid ID.
10	VisitCancelledIndicator	true/false – allows a *future* visit to be cancelled / deleted. Always set this field to false when sending visit data that is dated in the past. If set to true for prior visit data, the record/visit will be rejected.	5	String	Yes	REQUIRED Values: 'true' or 'false'
11	PayerID	Sandata EVV assigned ID for the payer. Payer ID is determined during the implementation process.	64	String	Yes	REQUIRED See Appendix 4.6 for Values.
12	PayerProgram	If applicable, the program to which this visit belongs. Potential use and list of values to be determined during implementation.	9	String	Yes.	REQUIRED See Appendix 4.6 for Values.
13	ProcedureCode	This is the billable procedure code which is mapped to the associated service. For most programs, it is the HCPCS number.	5	String	Yes	REQUIRED See Appendix 4.6 for Values.

Index	Element	Description	Sandata Max Length	Type	Required	State of Arkansas
14	Modifier1	Modifier for the HCPCS code for the 837. Up to four of these are allowed. Consult the specific program requirements for exact usage. You must apply modifier values in the order specifically listed in Appendix 4.6,	2	String		CONDITIONAL Provide if applicable for the service being provided. See Appendix 4.6 for values.
15	Modifier2	Modifier for the HCPCS code for the 837. Up to four of these are allowed. Consult the specific program requirements for exact usage. You must apply modifier values in the order specifically listed in Appendix 4.6,	2	String		DO NOT PROVIDE
16	Modifier3	Modifier for the HCPCS code for the 837. Up to four of these are allowed. Consult the specific program requirements for exact usage. You must apply modifier values in the order specifically listed in Appendix 4.6,	2	String		DO NOT PROVIDE

Index	Element	Description	Sandata Max Length	Type	Required	State of Arkansas
17	Modifier4	Modifier for the HCPCS code for the 837. Up to four of these are allowed. Consult specific program requirements for exact usage. You must apply modifier values in the order specifically listed in Appendix 4.6,	2	String		DO NOT PROVIDE
18	VisitTimeZone	Visit primary time zone.	64	Timezone	Yes	REQUIRED US/Central for most. Please see Appendix 4.5 for other values.
19	ScheduleStartTime	Activity / Schedule start date and time. This may be required but may be omitted if the schedule is denoting services that can happen at any time within the service date.	20	DateTime		OPTIONAL
20	ScheduleEndTime	Activity / Schedule end date and time. This field may be required but may be omitted if the schedule is denoting services that can happen at any time within the service date.	20	DateTime		OPTIONAL

Index	Element	Description	Sandata Max Length	Type	Required	State of Arkansas
21	ContingencyPlan	Indicator of member's contingency plan selected by member. Valid values include (CODE should be sent only): CODE- Description CP01 - Reschedule within 2 Hours CP02 - Reschedule within 24 Hours CP03 - Reschedule within 48 Hours CP04 - Next Scheduled Visit CP05 - Non-Paid Caregiver	64	String	DO NOT PROVIDE	DO NOT PROVIDE
22	Reschedule	Indicator if schedule is a "reschedule"	5	Boolean	DO NOT PROVIDE	DO NOT PROVIDE
23	AdjInDateTime	Adjusted in date/time if entered manually. Otherwise, this value is the actual date/time received.	20	DateTime		CONDITIONAL If the visit has an adjusted in time, please provide along with the visit change segment and reason code. An adjusted out must also be provided.
24	AdjOutDateTime	Adjusted out date/time if entered manually. Otherwise, this value is the actual date/time received.	20	DateTime		CONDITIONAL If the visit has an adjusted-out time, please provide along with the visit change segment and reason code. An adjusted in must also be provided.

Index	Element	Description	Sandata Max Length	Type	Required	State of Arkansas
25	BillVisit	True/False. If the visit is going to be billed, this value should be set to true. If not, it should be set to false. Note that although the Sandata Aggregator will not be used for billing, if the visit is going to be billed using any billing system and a claim submitted for payment, the visit should be BillVisit = true.	5	String	Yes	REQUIRED Literal: “true” or “false”
26	HoursToBill	Hours that are going to be billed.	99.999	Decimal		OPTIONAL
27	HoursToPay	If payroll is in scope for the payer program, the hours to pay.	99.999	Decimal		OPTIONAL

Index	Element	Description	Sandata Max Length	Type	Required	State of Arkansas
28	Memo	Associated free form text.	1024	String		CONDITIONAL OPTIONAL for Fee For Service (FFS) visits. REQUIRED For PASSE programs (aka Managed Care), the following must be provided: Include the Patient account number submitted to MMIS concatenated with a semicolon and followed by the line number of the claim sent to MMIS. The MCO ID can be included after a second semicolon. Example “2023129T0206300;1;273827187”
29	ClientVerifiedTimes	true/false	5	String		REQUIRED “true” or “false” based on captured data
30	ClientVerifiedTasks	true/false	5	String		DO NOT PROVIDE
31	ClientVerifiedService	true/false	5	String		REQUIRED “true” or “false” based on captured data

Index	Element	Description	Sandata Max Length	Type	Required	State of Arkansas
32	ClientSignatureAvailable	true/false The actual signature will not be transferred. The originating system will be considered the system of record.	5	String		REQUIRED “true” or “false” based on captured data
33	ClientVoiceRecording	true/false The actual voice recording will not be transferred. The originating system will be considered the system of record.	5	String		REQUIRED “true” or “false” based on captured data
34	BypassReason	The reason selected by the employee for the client signature not being captured	4	String	DO NOT PROVIDE	DO NOT PROVIDE

Calls - Conditional

Providing both “Time In” and “Time Out” is expected with the first instance of every visit, which represent the visit as captured. For updates to visits, the Calls segment must be as originally sent, or segment can be omitted if Adjusted times exist. Adjusted times are only used to correct previous Call times. These segment details cannot be changed after being submitted.

There are some systems that do not capture actual calls. Any visit sent without calls will be regarded as manually captured.

The fields in this segment marked as required “Yes” is only needed when this segment is sent.

Index	Element	Description	Sandata Max Length	Type	Required	State of Arkansas
1	CallExternalID	Call identifier in the external system	16	String	Yes	REQUIRED
2	CallDateTime	Event date time. Must be at least to the second.	20	DateTime	Yes	REQUIRED Call Date Time Format: YYYY-MM-DDTHH:MM:SSZ
3	CallAssignment	Values: Time In, Time Out, Other	10	String	Yes	REQUIRED Literal: 'Time In' | 'Time Out' | 'Other'
4	GroupCode	This visit was part of a group visit. Group Code is used to reassemble all members of the group.	6	String		DO NOT PROVIDE
5	CallType	The type of device used to create the event. Values: Telephony, Mobile, FVV, Manual, Other. Any call with GPS data collected should be identified as Mobile. FVV should be used for any type of fixed verification device.	20	String	Yes	REQUIRED Literal: 'Telephony' | 'Mobile' | 'FVV' | 'Manual' | 'Other' Note: FVV = FOB for some systems. Please provide FVV.
6	ProcedureCode	This is the billable procedure code if identified on the call. For most programs, it is the HCPCS number. The actual entered value should be provided.	5	String		CONDITIONAL HCPCS Code. See Appendix 4.6 for program values.

Index	Element	Description	Sandata Max Length	Type	Required	State of Arkansas
7	ClientIdentifierOnCall	Client identifier that was entered on the call.	10	String	Yes	REQUIRED Client associated with the call. Please provide 10-character State Assigned Medicaid ID.
8	MobileLogin	Log in used if a mobile application is in use for GPS calls. Required if CallType = 'Mobile'.	64	String	Conditional	CONDITIONAL Required if call is type mobile. Please provide the login used by the employee.
9	CallLatitude	GPS latitude recorded during event. Latitude has a range of -90 to 90 with a 15-digit precision. Required for CallType = Mobile.	19	Decimal	Conditional	CONDITIONAL Required if call is type mobile. Latitude Value: Decimal with sign if negative 2 primary.15-digit precision. Decimal format with (-) XX.XXXXXXXXXXXXXX digits

Index	Element	Description	Sandata Max Length	Type	Required	State of Arkansas
10	CallLongitude	GPS Longitude recorded during the event. Longitude has a range of -180 to 180 with a 15-digit precision. Required for CallType = Mobile.	20	Decimal	Conditional	CONDITIONAL Required if call is type mobile. Longitude Value: Decimal with sign if negative 2 primary.15-digit precision. Decimal format with (-) XX.XXXXXXXXXXXXXX digits
11	Location	Location of the visit (free text). Characters allowed: Alphanumeric _ . ‘ - # , / space	25	String		DO NOT PROVIDE
12	TelephonyPIN	PIN for telephony. Identification for the employee using telephony. Required if CallType = Telephony.	9	Integer	Conditional	CONDITIONAL Required if call type is Telephony. Identifier used to identify the user to the telephony system. Numbers only.
13	OriginatingPhoneNumber	Originating phone number for telephony. Required if CallType = Telephony.	10	String	Conditional	CONDITIONAL Required if call type is Telephony. Originating phone number.

Index	Element	Description	Sandata Max Length	Type	Required	State of Arkansas
14	VisitLocationType	Location of the visit (free text). Valid values are: 1=Home, 2=Community, NULL or empty string may be provided if the value was not collected. This will set the 'Missing Location' exception.	25	String	Yes	REQUIRED Literal: '1' or '2'

Sandata

VisitExceptionAcknowledgement – Conditional

When visits are sent to Sandata via the Alt-EVV API, the Sandata system will calculate "exceptions" based on the incoming data. Business rules are applied to the visit based on the configuration details for a particular customer. These rules may trigger visits to be flagged with exceptions, denoting business rules that are not being met. Visits with exceptions may not be deemed "Approved" or "Verified", and thus may be excluded from additional processing, such as claims validation or data exports.

Users of the Alt-EVV API have the opportunity to "Acknowledge" the exceptions. This tells the Sandata system that the visit is complete despite the presence of exceptions. Thus, the visit can be treated as "Verified", so long as all calculated exceptions are marked as "Acknowledged". When sending visits, all exception acknowledgement records should be sent with every transmission.

Index	Element	Description	Sandata Max Length	Type	Required	State of Arkansas
1	ExceptionID	ID for the exception being acknowledged. Exact values for exceptions implemented are based on program rules.	2	String	Yes	REQUIRED Id of the Exception being cleared. Note that for this program, the only acknowledgeable exception is 42 – Missing Location. Please see Appendix 4.7 for Arkansas-specific exceptions.
2	ExceptionAcknowledged	true/false To clear the exception, a true value must be received.	5	String	Yes	REQUIRED Literal: 'true' or 'false' Note sending a false in this field will not impact the status of the visit or clear the exception.

VisitChanges – Conditional

The segment should be provided when a visit has been manually entered, adjusted, or updated in the source system. The Visit General segment should reflect the updated information, while this associated Visit Change segment should record the details around that change and supply the reason code for why it occurred. The fields in this segment marked as required "Yes" are only needed when this segment is sent. When sending visits, all visit change records should be sent with every transmission.

Index	Element	Description	Sandata Max Length	Type	Required	State of Arkansas
1	SequenceID	The third-party visit sequence ID to which the change applied	16	Integer	Yes	REQUIRED If TIMESTAMP is used: YYYYMMDDHHMMSS Numbers only; no other characters.
2	ChangeMadeBy	The unique identifier of the user, system or process that made the change. This could be a system identifier for the user or an email. Could also be a system process, in which case it should be identified.	64	String	Yes	REQUIRED Unique Identifier of the Change Agent Username or User Identifier who completed the change to the visit information (Required for Audit purposes)
3	ChangeDateTime	Date and time when change is made.	20	DateTime	Yes	REQUIRED Date and Time when the change was made. Format: YYYY-MM-DDTHH:MM:SSZ

Index	Element	Description	Sandata Max Length	Type	Required	State of Arkansas
4	GroupCode	This visit was part of a group visit. Group Code is used to reassemble all members of the group.	6	String		DO NOT PROVIDE
5	ReasonCode	Reason code associated with the change. Please see the Addendum for program specific values.	4	String	Yes	REQUIRED Please see Appendix 4.9 for values.
6	ChangeReasonMemo	Reason/description of the change being made if entered. Required for some reason codes.	256	String	Conditional	REQUIRED For this program, a memo is always required describing the change. Please ensure that the record length is at least 3 characters.
7	ResolutionCode	Resolution codes if selected. Resolution codes are specific to the program. See the addendum for program specific values.	4	String		DO NOT PROVIDE

Sandata

Tasks – Conditional

This optional segment contains the non-service specific details regarding activities the caregiver performed during the visit. These detailed activities are known as 'Tasks' and often align to the care plan designed for the individual receiving care. Please refer to the service task required in the Service + Modifier Appendix to determine if one or more tasks must be submitted with this visit. Please reference the task id that is associated with the service in the Task list in Appendix 4.10.

Note that for the State of Arkansas, capture of tasks via the EVV program is not required at this time. Do not provide this segment. Please note that individual program guidelines may require capture of this information.

Index	Element	Description	Sandata Max Length	Type	Required	State of Arkansas
1	TaskID	Task ID. This task ID must map to the Task IDs used for the agency in the Sandata system.	4	String	Yes	DO NOT PROVIDE
2	TaskReading	Task reading	10	String		DO NOT PROVIDE
3	TaskRefused	Indicator denoting whether the client refused the specific task. True/False	5	Boolean		DO NOT PROVIDE

4 Appendix Assumptions

There is no other external interface other than what is mentioned in this document.

Other Important Points to Note

Please note that this list will have periodic additions as new functionality is added and made available for transmission from Alternate EVV systems.

In the event of any required changes to the web services apart from the functionality covered in this document or the functionality already present in the code, it is recommended that a formal change control process be followed. This will ensure a set process for planning and scheduling, implementation of the same, verification, validation, and roll-out for user testing.

Legend

Legend	
Field Name	**Other Possible Naming**
Client	Beneficiary Individual Member Patient Recipient
Employee	Caregiver Consumer Directed Worker Home Health Aide Staff Worker
Provider	Agency Third Party Admin (TPA)
Payer	Admission Contract Insurance Company Managed Care Organization (MCO) State
Contract	Program Program Code
HCPCS	Bill Code Procedure Code Service

Acronyms and Definitions

Term	Definition
ACK	Acknowledgment of Receipt
AKA	Also Known As
ANI	Automatic Number Identification
API	Application Programming Interface
BYOD	Bring Your Own Device
CDS	Consumer / Participant Directed Services
EVV	Electronic Visit Verification
FFS	Fee For Service
FI / FMS	Fiscal Intermediary / Fiscal Management System
GMT	Greenwich Mean Time
HTTP	Hypertext Transfer Protocol
IVR	Interactive Voice Response – system used for telephony
MVV	Mobile Visit Verification
PA	Prior Authorization
PIN	Personal Identity Number
JSON	JavaScript Object Notation
SOA	Service Oriented Architecture
SOAP	Simple Object Access Protocol
SRS	System Requirement Specifications
SSN	Social Security Number
TBD	To Be Determined
TVV	Telephonic Visit Verification
UTC	Universal Time Coordinated
XML	Extensible Markup Language

Sandata

Time Zone List

This is the common list of time zones we used. If your area is not covered by this list, contact Sandata support to get additional time zone value that we accept. Note that the value sent must exactly match the value and case shown.

Text Value	Daylight Saving
US/Alaska	Active
US/Aleutian	Active
US/Arizona	Inactive
US/Central	Active
US/East-Indiana	Active
US/Eastern	Active
US/Hawaii	Inactive
US/Indiana-Starke	Active
US/Michigan	Active
US/Mountain	Active
US/Pacific	Active
US/Samoa	Inactive
America/Indiana/Indianapolis	Active
America/Indiana/Knox	Active
America/Indiana/Marengo	Active
America/Indiana/Petersburg	Active
America/Indiana/Vevay	Active
America/Indiana/Vincennes	Active
Canada/Atlantic	Active
Canada/Central	Active
Canada/East-Saskatchewan	Inactive
Canada/Eastern	Active
Canada/Mountain	Active
Canada/Newfoundland	Active
Canada/Pacific	Active
Canada/Saskatchewan	Active
Canada/Yukon	Active
America/Puerto Rico	Inactive

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Arkansas Payers, Programs and Services

Payer ID	Payer Name	PayerProgram	Initiative / Waivers
ARMCD	Arkansas Medicaid	FFS	Home Health
ARCS	CareSource	MNGD CARE	PASSE
ARATC	Arkansas Total Care	MNGD CARE	PASSE
AREHS	Empower Healthcare Solutions	MNGD CARE	PASSE
ARSCC	Summit Community Care	MNGD CARE	PASSE

Payer ID	PayerProgram	HCPCS Code	Modifier 1	Modifier 2	Modifier 3	Modifier 4	Description
ARMCD	FFS	S9131	UB				PTA Home Health
ARMCD	FFS	S9131					PT Home Health
ARMCD	FFS	T1021	TD				RN Home Health
ARMCD	FFS	T1021	TE				LPN Home Health
ARMCD	FFS	T1021					Aide Home Health
ARCS, ARATC, AREHS, ARSCC	MNGD CARE	S9131	UB				PTA Home Health
ARCS, ARATC, AREHS, ARSCC	MNGD CARE	S9131					PT Home Health
ARCS, ARATC, AREHS, ARSCC	MNGD CARE	T1021	TD				RN Home Health
ARCS, ARATC, AREHS, ARSCC	MNGD CARE	T1021	TE				LPN Home Health
ARCS, ARATC, AREHS, ARSCC	MNGD CARE	T1021					Aide Home Health

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Arkansas Exceptions

Exception ID	How to Fix	Exception Name	Description
00	Fix: resubmit visit with a valid employee and a Visit Changes segment record	Unknown Client	Exception for a visit that was performed for a recipient of care that is not yet entered or not found in the EVV system and/or the payer's client file. The client must already be in the provider account. Note: Visit data will reject on intake. Client on visit must match to an existing client within the distinct Provider Agency Account.
01	Fix: resubmit visit with a valid employee and a Visit Changes segment record	Unknown Employee	Exception for a visit that was performed by a caregiver who was not yet entered or not found in the EVV system and/or the payer's employee file. Employee must already be in the provider account. Note: Visit data will reject on intake. Client on visit must match to an existing client within the distinct Provider Agency Account.
02	Fix: resubmit visit with calls or adjusted times and a Visit Changes segment record	Visits Without Any Calls	Exception thrown when a visit is recorded without an "in" and 'out' call. Note: To avoid this exception, visits must be submitted with 2 records for the Call segment.
03	Fix: resubmit visit with a call or adjusted times and a Visit Changes segment record	Visits Without In-Calls	Exception thrown when a visit is recorded without an "in" call that began the visit. Note: To avoid this exception, visits must be submitted with the Call segment.
04	Fix: resubmit visit with a call or adjusted times and a Visit Changes segment record	Visits Without Out-Calls	Exception thrown when a visit is recorded without an "out" call that completed the visit. Note: To avoid this exception, visits must be submitted with the Call segment.

Exception ID	How to Fix	Exception Name	Description
23	Fix: resubmit visit with a service and a Visit Changes segment record	Missing Service	Exception when the service provided during a visit is not recorded or present in the system. Note: Visit data will reject if the inbound service (ProcedureCode) does not match a record defined in the specification Appendix.
42	Ack: acknowledge exception using VisitExceptionAcknowledgement segment	Missing Location	Exception when the service provided during a visit is not recorded or present in the system. Note: Visit data will reject if the inbound service (ProcedureCode) does not match a record defined in the specification Appendix.
15	INFO: Informational No Action Needed	Unmatched Client ID / Phone	(Telephony only) Exception when the visit was recorded from a phone number that was not matched to a recipient of care in the EVV system.
40	INFO: Informational No Action Needed	Service Verification	Exception occurs when the program has the 'client verification of the visit' enabled, and is triggered when the client indicates that the SERVICE RECORDED in the EVV visit does not reflect the actual activity performed during that visit.
28	INFO: Informational No Action Needed	Visit Verification	Exception occurs when the program has the 'client verification of the visit' enabled, and is triggered when the client indicates that the DURATION of the EVV visit does not reflect the amount of time that care was actually provided for.
39	INFO: Informational No Action Needed	Client Signature Exception	Exception occurs when the program has the 'client verification of the visit' enabled, and is triggered when the visit does not have a signature or client voice recording captured at the time of service.

Exception ID	How to Fix	Exception Name	Description
21	INFO: Informational No Action Needed	No Show	(Scheduling only) This exception occurs when a visit has been scheduled, but no calls have been received for that visit.

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Arkansas Units of Measure

All service for this program are visit-based.

For this program, units are being calculated for all services as follows:

- Any visit under 8 minutes in duration will be 0 units / 0 visits.
- All other visits will be 1 unit / 1 visit.

Arkansas Reason Codes

Reason Code	Reason	Change Reason Memo Required
10	Client Incapable, Designee Unavailable	YES
20	Client Medicaid ID not Available	YES
30	Client No Show	YES
40	Client Refused Service	YES
50	Client Refused Verification	YES
60	Client Unavailable	YES
70	Employee Called Using an Alternate Phone	YES
80	Employee Change	YES
90	Employee Failed to Call In	YES
100	Employee Failed to Call In and Out	YES
110	Employee Failed to Call Out	YES
120	Employee ID not Available	YES
130	FOB Issue or Inoperable	YES
140	Mobile App Issue or Inoperable	YES
150	Service Outside the Home	YES
160	Telephony Issue or Inoperable	YES
170	Unsafe Environment	YES
180	Other	YES

Task List

Tasks are not in scope for EVV for the State of Arkansas.

Sandata

Technical Companion and Examples

This appendix serves as additional technical documentation for the use of the Sandata OpenEVV Alt-EVV APIs.

API Location

The RESTful APIs can be reached at the following locations:

Production:

https://api.sandata.com/interfaces/intake/clients/rest/api/v1.1

https://api.sandata.com/interfaces/intake/employees/rest/api/v1.1

https://api.sandata.com/interfaces/intake/visits/rest/api/v1.1

UAT:

https://uat-api.sandata.com/interfaces/intake/clients/rest/api/v1.1

https://uat-api.sandata.com/interfaces/intake/employees/rest/api/v1.1

https://uat-api.sandata.com/interfaces/intake/visits/rest/api/v1.1

The endpoints accept JSON data and support the HTTP POST method.

Authentication Header

The API endpoints utilize basic authentication. Therefore, a valid "Authentication" header must be sent with each request. This header is simply a Base 64 encoded representation of the username and password in the format "username:password".

The credentials are determined and distributed during implementation.

An example header for "username" (this would not be an email address) with password "secret" would be:

Authorization: Basic dXNlckBleGFtcGxlLmNvbTpzZWNyZXQ=

Account Header

In addition to the "Authorization" header, a header denoting the callers Alt-EVV "Account" must be sent. The credentials provided are specific to an account, and all data sent must also correspond to that account, or the request will be rejected.

An example of this header would be:

```
Account: 12345
```

Content-Type Header

As with all RESTful API requests, the "`Content-Type`" header should also be included:

```
Content-Type: application/json
```

Workflow

Interacting with the APIs is a two-step process:

For each element being sent (`Client, Employee, Visit`), the data for must be received successfully and fully processed before the next type of data can be sent. For example:

- Step 1 – Send a POST request with the data to the API.
- Step 2 – Utilize the "Status" API to check that processing completed successfully.
- Step 3 – Send the next type of data.

If the call for status check results in a `messageSummary` of "The result for the input UUID is not ready yet. Please try again", then the sender process must "sleep" and recheck Status until the Status API call returns a `messageSummary` of either "All records updated successfully" Or …"Records uploaded, please check errors/warnings and try again." Recommended minimum 5-minute wait between POST and first GET and between subsequent GET attempts.

It's important to note that the processing of a previously sent type of data MUST be completed prior submitting the API call for the next type of data.

Clients and Employees are required to be successfully inserted into the account prior to sending visits. This is necessary in order to ensure that client/employee data exists in the Sandata system when a visit is received, in order to avoid errors on visit processing due to missing client and/or employee data.

Details are as follows:

The first step is to POST the data being sent to the URLs mentioned above in the "API Location" section. When data is sent, the Sandata system validates the input meets the business requirements, processes the data, and returns a response.

The response sends back some key pieces of information. This includes any errors that may have been flagged, as well as a UUID, generated by Sandata, which uniquely identifies the request. See example responses below in the Sample Responses section.

After this response is sent, the Sandata system begins processing the data into the system. Because the initial POST has already received a response, callers must use a second endpoint to check on the status of their request.

To this end, each API is accompanied by an additional endpoint for checking status. This endpoint is reached simply by appending "/status" to the URLs in the "API Location" section above. Calls to this endpoint must utilize the HTTP GET method and send in the UUID that is returned in the response to the POST call.

An example GET request for status for clients, would be sent as follows:

https://api.sandata.com/interfaces/intake/clients/rest/api/v1.1/status?uuid=8d7c31f7-4a09-41a9-8edd-f9819def58f1

Sample data can be found below.

In summary, the caller would POST data to the API, receive a response with a UUID, then utilize the "status" endpoint via GET in order to determine if processing was completed and successful.

An example workflow when sending employees, clients, and visits would be:

1. Send POST request with employee data; receive UUID.
2. Utilize UUID to query employee "Status" API; if still processing, sleep and recheck.
3. Once "Status" API for employees indicates processing is finished, send POST request with client data; receive UUID.
4. Utilize UUID to query client "Status" API; if still processing, sleep and recheck.
5. Once "Status" API for client indicates processing is finished, send POST request with visit data; receive UUID.
6. Utilize UUID to query visit "Status" API; if still processing, sleep and recheck.
7. Once "Status" API for visits indicates processing is finished, all data has been transmitted.

Sample POST Data

Below find sample POST bodies for each entity, as well as sample responses in both successful and unsuccessful situations. Note that, based on implementation, not all fields are required to be present. In addition, certain implementations may include custom fields that are not represented in the samples. Example request JSONs are for structure only. Refer to the state program specific addendum, or specifications, for a full set of fields and their details.

JSON Employee


```
[{
	"ProviderIdentification": {
		"ProviderQualifier": "SandataID",
		"ProviderID": "123456"
	},
	"EmployeeQualifier": "EmployeeSSN",
	"EmployeeIdentifier": "999999999",
	"EmployeeOtherID": "2222",
	"SequenceID": 99811930002,
	"EmployeeSSN": "999999999",
	"EmployeeLastName": "Employee",
	"EmployeeFirstName": "Test",
	"EmployeeEmail": "dummy@sandata.com",
	"EmployeeManagerEmail": "dummymanager@sandata.com",
	"EmployeeAPI": "111111111",
	"EmployeePosition": "RN"
}]
```


JSON Client


```
[{
	"ProviderIdentification": {
		"ProviderQualifier": "SandataID",
		"ProviderID": "123456"
	},
	"ClientFirstName": "Test",
	"ClientMiddleInitial": "T",
	"ClientLastName": "Client",
	"ClientQualifier": "ClientSSN",
	"ClientMedicaidID": "999999999",
	"ClientIdentifier": "999999999",
	"MissingMedicaidID": "False",
	"SequenceID": 99811930002,
	"ClientCustomID": "111111111",
	"ClientOtherID": "2222",
	"ClientSSN": "999999999",
	"ClientTimezone": "US/Eastern",
	"Coordinator": "123",
	"ProviderAssentContPlan": false,
	"ClientPayerInformation": [{
		"PayerID": "57",
		"PayerProgram": "123",
		"ProcedureCode": "123",
		"ClientPayerID": "987654321",
		"ClientEligibilityDateBegin": "2019-01-01",
		"ClientEligibilityDateEnd": "2020-01-01",
		"ClientStatus": "02",
		"EffectiveStartDate": "2019-01-01",
```

```
                "EffectiveEndDate": "2020-01-01"
        }],
        "ClientAddress": [{
                "ClientAddressType": "Home",
                "ClientAddressIsPrimary": true,
                "ClientAddressLine1": "36 West 5th Street",
                "ClientAddressLine2": "10th Floor",
                "ClientCounty": "Kings",
                "ClientCity": "Manhattan",
                "ClientState": "NY",
                "ClientZip": "10017",
                "ClientAddressLongitude": -73.4228741,
                "ClientAddressLatitude": 40.7431032
        }],
        "ClientPhone": [{
                "ClientPhoneType": "Home",
                "ClientPhone": "1234567890"
        }],
        "ClientDesignee": [{
            "ClientDesigneeFirstName": " Test ",
            "ClientDesigneeLastName": "Designee",
            "ClientDesigneeEmail": " dummy@sandata.com ",
            "ClientDesigneeStatus": "02",
            "ClientDesigneeStartDate": "2019-01-01",
            "ClientDesigneeEndDate": "2020-01-01",
            "ClientDesigneeRelationship": "Parent"
    }]
        "ClientResponsibleParty": [{
                "ClientContactType": "Other",
                "ClientContactFirstName": "Test",
                "ClientContactLastName": "Respparty",
                "ClientContactPhoneType": "Mobile",
                "ClientContactPhone": "3478788467",
                "ClientContactEmailAddress": "dummy@sandata.com",
                "ClientContactAddressLine1": "2727 East 29th Street",
                "ClientContactAddressLine2": "Apt 8I",
                "ClientContactCity": "Brooklyn",
                "ClientContactState": "NY",
                "ClientContactZip": "11229"
        }]
}]
```


JSON Visit


```
[{
        "ProviderIdentification": {
                "ProviderID": "123456",
                "ProviderQualifier": "SandataID"
        },
        "VisitOtherID": "123456789",
        "SequenceID": 111,
        "EmployeeQualifier": "EmployeeSSN",
        "EmployeeOtherID": "999999999",
        "EmployeeIdentifier": "999999999",
        "GroupCode": null,
        "ClientIDQualifier": "ClientMedicaidID",
```

```
        "ClientID": "111111111",
        "ClientOtherID": "111111111",
        "VisitCancelledIndicator": false,
        "PayerID": "999",
        "PayerProgram": "PRG",
        "ProcedureCode": "T1000",
        "Modifier1": null,
        "Modifier2": null,
        "Modifier3": null,
        "Modifier4": null,
        "VisitTimeZone": "US/Eastern",
        "ScheduleStartTime": "2019-07-28T16:02:26Z",
        "ScheduleEndTime": "2019-07-28T20:02:26Z",
        "ContingencyPlan": "CP01",
        "Reschedule": false,
        "AdjInDateTime": "2019-07-28T15:02:26Z",
        "AdjOutDateTime": "2019-07-28T19:02:26Z",
        "BillVisit": true,
        "HoursToBill": 10,
        "HoursToPay": 10,
        "Memo": "This is a memo!",
        "ClientVerifiedTimes": true,
        "ClientVerifiedTasks": true,
        "ClientVerifiedService": true,
        "ClientSignatureAvailable": true,
        "ClientVoiceRecording": true,
        "Calls": [{
               "CallExternalID": "123456789",
               "CallDateTime": "2019-07-28T16:02:26Z",
               "CallAssignment": "Time In",
               "GroupCode": null,
               "CallType": "Other",
               "ProcedureCode": "T1000",
               "ClientIdentifierOnCall": "111111111",
               "MobileLogin": null,
               "CallLatitude": 40.34455,
               "CallLongitude": -21.99383,
               "Location": "123",
               "TelephonyPIN": 999999999,
               "OriginatingPhoneNumber": "9997779999"
},
               {"CallExternalID": "123456789",
               "CallDateTime": "2019-07-28T17:02:26Z",
               "CallAssignment": "Time Out",
               "GroupCode": null,
               "CallType": "Other",
               "ProcedureCode": "T1000",
               "ClientIdentifierOnCall": "111111111",
               "MobileLogin": null,
               "CallLatitude": 40.34455,
               "CallLongitude": -21.99383,
               "Location": "123",
               "TelephonyPIN": 999999999,
               "OriginatingPhoneNumber": "9997779999"

        }],
```

```
        "VisitExceptionAcknowledgement": [{
              "ExceptionID": "15",
              "ExceptionAcknowledged": true
        }],
        "VisitChanges": [{
              "SequenceID": "110",
              "ChangeMadeBy": "dummy@sandata.com",
              "ChangeDateTime": "2019-07-25T18:45:00Z",
              "GroupCode": null,
              "ReasonCode": "7227",
              "ChangeReasonMemo": "Change Reason Memo 999",
              "ResolutionCode": "A"
        }],
        "Tasks": [{
              "TaskID": "321",
              "TaskReading": "98.6",
              "TaskRefused": false
        }]
  }]
```


Sample Responses

See some sample responses below. Note that the samples are provided for employees, but the same pattern is followed for both client and visit.

Employee POST (Successful)


```
  {
   "id": "7f6dcd1a-ec5e-4efd-a2d4-1049756016a5",
   "status": "SUCCESS",
   "messageSummary": "The result for the input UUID is not ready yet. Please try again.",
   "data": {
    "uuid": "7f6dcd1a-ec5e-4efd-a2d4-1049756016a5",
    "account": "12345",
    "message": "The result for the input UUID is not ready yet. Please try again.",
    "reason": "Transaction Received."
   }
  }
{
  "id": "b171f2d0-4bd7-4ade-9488-019e8a1d5430",
  "status": "SUCCESS",
  "token": null,
  "messageSummary": null,
  "messageDetail": null,
  "errorMessage": null,
  "failedCount": 0,
  "succeededCount": 1,
  "cached": false,
  "cachedDate": null,
  "totalRows": 1,
  "page": 0,
  "pageSize": 0,
  "orderByColumn": null,
  "orderByDirection": null,
  "data": {
    "processId": 1,
```

```
    "processCode": null,
    "executeResult": false,
    "uuid": "b171f2d0-4bd7-4ade-9488-019e8a1d5430",
    "account": "96312",
    "message": null,
    "reason": "Transaction Received.",
    "transactionId": "b171f2d0-4bd7-4ade-9488-019e8a1d5430",
    "data": null,
    "blobData": null,
    "webPasswordList": null,
    "groupKey": null
  }
}
```


Employee POST (Validation Error)


```
{
 "id": "ea76e9a1-9b29-4f3d-af1c-6b573eb29b76",
 "status": "FAILED",
 "messageSummary": "[1] Records uploaded, please check errors/warnings and try again.",
 "data": [
  {
   "ProviderIdentification": {
    "ProviderID": "123456",
    "ProviderQualifier": "SandataID",
    "ErrorCode": null,
    "ErrorMessage": null
   },
   "EmployeeIdentifier": "999999999",
   "EmployeeOtherID": "2222",
   "SequenceID": 99811930002,
   "EmployeeQualifier": "EmployeeSSN",
   "EmployeeSSN": "999999999",
   "EmployeeLastName": "Employee",
   "EmployeeFirstName": "Test",
   "EmployeeEmail": "dummy@sandata.com",
   "EmployeeManagerEmail": "dummymanager@sandata.com",
   "EmployeeAPI": "111111111",
   "EmployeePosition": "AKN",
   "ErrorCode": null,
   "ErrorMessage": "ERROR: The EmployeePosition expected format is not correct. The
  record should satisfy this regular expression ['HHA|HCA|RN|LPN|PCA']. Invalid
  Value='AKN'. The record is being rejected."

  }
 ]
}
```


Employee GET (Status)

A sample response to a status GET request that has finished processing is:


```
{
       "id": "73b7a9d7-a79a-45cc-9def-cb789c111f4b",
       "status": "SUCCESS",
       "messageSummary": "All records updated successfully.",
```

```
        "data": {
                "uuid": "73b7a9d7-a79a-45cc-9def-cb789c111f4b",
                "account": null,
                "message": "All records updated successfully.",
                "reason": "Transaction Received."
        }
}
```


For any transmission type, if the request is not yet finished being processed, the “messageSummary” will be “The result for the input UUID is not ready yet. Please try again.”


```
{
        "id": "873a1d97-0681-402e-8268-b6cad8f2b4b7",
        "status": "SUCCESS",
        "messageSummary": "The result for the input UUID is not ready yet. Please try
again.",
        "data": {
                "uuid": "873a1d97-0681-402e-8268-b6cad8f2b4b7",
                "account": "12345",
                "message": "The result for the input UUID is not ready yet. Please try
again.",
                "reason": "Transaction Received."
        }
}
```


If the request was processed but failed business rules, an example status would be:


```
{
 "id": "e5de964b-9803-4051-b89b-8a89926e4983",
 "status": "SUCCESS",
 "messageSummary": "[2] Records uploaded, please check errors/warnings and try again.",
 "data": [
  {
   "ProviderIdentification": {
    "ProviderID": "123456",
    "ProviderQualifier": "SandataID",
    "ErrorCode": null,
    "ErrorMessage": null
   },
   "EmployeeIdentifier": "999999999",
   "EmployeeOtherID": "2222",
   "SequenceID": 99811930002,
   "EmployeeQualifier": "EmployeeSSN",
   "EmployeeSSN": "999999999",
   "EmployeeLastName": "Employee",
   "EmployeeFirstName": "Test",
   "EmployeeEmail": "dummy@sandata.com",
   "EmployeeManagerEmail": "dummymanager@sandata.com",
   "EmployeeAPI": "111111111",
   "EmployeePosition": "RN",
   "ErrorCode": "-709",
   "ErrorMessage": "Version number is duplicated or older than current."
  }
 ]
}
```

Error Message Examples

As shown in the previous section, it is possible to receive error messages as a result of both the initial POST of data, as well as from the "status" API. The types of errors you can expect from each call are noted below. This list is not intended to cover every possible message, as the exact messages will vary by implementation.

Initial Post

Errors on the initial POST of data are typically validation related – meaning, there was something about the format of data sent in that was invalid, thus processing could not occur. The exact cause of these types of errors will be noted in the "ErrorMessage" field. Examples include:

Non-null fields being sent as null:

- For example. `EmployeeIdentifier`:
  - "ERROR: The `EmployeeIdentifier` cannot be null. The record is being rejected."

Fields beneath minimum or exceeding the maximum length:

- For example, `VisitOtherId`:
  - "ERROR: The `VisitOtherID` value is greater than the ${max} characters. The length should be between ${min} and ${max}. The record is being rejected."

Number values smaller than min, or larger than max:

- For example, `SequenceID`:
  - "ERROR: The `SequenceID` value cannot be greater than ${value}. Invalid Value='`${invalidValue}`'. The record is being rejected."

Values that do not belong to the preset list or match specified pattern.

- For example, `ClientIdQualifier`:
  - "ERROR: The `ClientIDQualifier` format is incorrect. The record should satisfy this regular expression "`ClientID|ClientSSN|ClientOtherID|ClientCustomID`". Invalid Value='`${invalidValue}`'. The record is being rejected."

Date fields that are required to be past values:

- For example, `ScheduleStartTime`:
  - "ERROR: `ScheduleStartTime` times must be in the past. The record is being rejected."

Date fields that to not conform to specified Date pattern:

- For example, SchedueStartTime:
  - "ERROR: The `ScheduleStartTime` format is incorrect. The pattern should be 'yyyy-MM-ddTHH:mm:ssZ' like '2016-12-31T11:22:33Z'. Value found= '`${invalidValue}`'. The record is being rejected."

When the count of input records is greater than the maximum number allowed:

- "The number of input records exceed the max limit."

The start date must be before end date:

- "ERROR: The `ClientEligibilityDateEnd` must be after `ClientEligibilityDateBegin.` Invalid Value: `ClientEligibilityDateBegin='${invalidValue}', ClientEligibilityDateEnd='${invalidValue}'.`"

Validate duplicate id in list of payloads:

- "ERROR: The `{ invalidValue }` cannot be duplicated in list."

Maximum records in payload. Default value is 5000 records:

- "ERROR: The number of input records exceed the max limit."

Duplicate PayerId and AuthorizationReferenceNumber in Auth payload:

- "ERROR: The Authorization could not be duplicated in list."

Save records to database error, Caching records error:

- "Records uploaded, please check errors/warnings and try again."

Status API

Errors received from the status API are typically related to business rules or processing errors. These messages will vary by implementation and will denote reasons why the data, though properly formed, was unable to be processed due to a business rule failure. Like validation errors, the reason for the error will be noted in the "`ErrorMessage`" field.

HTTP Status Codes

Sandata will return different HTTP status codes under different scenarios:

200 – Request processed: this status code is used for both success AND error conditions – it denotes that Sandata was able to receive the request and process it. The JSON returned must be used to determine if processing was successful or not. Most requests should return a 200 error.

400 – Bad Request: empty request, invalid format

401 – Unauthorized Request: invalid credentials

415 – Unsupported Media: invalid or missing Content-Type Header

500 – Internal Service Error: an unknown processing error occurred.

Sandata

Field Level Errors

Section	Field Name	Description
Client General	ClientFirstName	Only the following special characters will be accepted: Alpha Letters Hyphens Periods Apostrophe All other special characters will be rejected.
Client General	ClientLastName	Only the following special characters will be accepted: Alpha Letters Hyphens Periods Apostrophe All other special characters will be rejected.
Client General	ClientQualifier	The value is the actual string value “ClientQualifier” and is required to be mixed case.
Employee General	EmployeeLastName	Only the following special characters will be accepted: Alpha Letters Hyphens Periods Apostrophe All other special characters will be rejected.
Employee General	EmployeeFirstName	Only the following special characters will be accepted: Alpha Letters Hyphens Periods Apostrophe All other special characters will be rejected.
Employee General	EmployeeQualifier	The value is the actual string value “EmployeeQualifier” and is required to be mixed case.