



Somnoware

Integration Package

athenahealth, Inc.

Last Updated: August 2019

# Project Overview

## Project Information

Please fill the following to the best of your ability. While not all contacts are required, you should be able to submit at least two contacts at the onset of a new interface project.

|  |  |  |
| --- | --- | --- |
| General Information |  |  |
| athenahealth Practice Context ID | |  |
| athenahealth Interface Project Manager Name | |  |
| athenahealth Interface Project Manager Contact Information | |  |
| Event Number (provided by Interface Project Manager, for internal athenahealth tracking) | |  |

|  |  |  |  |
| --- | --- | --- | --- |
| Contact | Role | Details |  |
| Project Business Contact | Responsible for overall success of the project | Name: |  |
| Phone: |  |
| Email: |  |
| Project Interface Contact | Interface expert, responsible for continuing interface support | Name: |  |
| Phone: |  |
| Email: |  |
| Project IT Contact | Networking and security expert, responsible for overall connectivity | Name: |  |
| Phone: |  |
| Email: |  |
| Vendor Contact #1 | Role: | Name: |  |
| Phone: |  |
| Email: |  |
| Vendor Contact #2 | Role: | Name: |  |
| Phone: |  |
| Email: |  |

Project Overview:

This is a standardized integration that supports the secure and automated transfer of information between athenahealth and Somnoware.

|  |  |
| --- | --- |
| **Technical Overview** | |
| Third Party System | Somnoware |
| Interface Type | Outbound Patients, Appointments  Inbound Clinical Documents |
| Schematic |  |
| Format | HL7 |
| Connectivity Method | VPN |
| Frequency of Data Transfer | Real Time |
| HL7 Message Type(s) | Outbound (from athenaNet): ADT, SIU  Inbound (into athenaNet): ORU |
| Restrictions |  |

* 1. Scoping Process

1. **Review:**

Please read this package and complete all form fields and checkboxes to the best of your ability. Many of the fields have been pre-filled for your convenience as this is a pre-scoped standard interface.

Note: If there is a customization request during the implementation process clients are subject to a fee. If there is a request to customize post go-live, your practice will need to request a new custom interface, which will be subject to pricing.

1. **Approve:**

When this document is completed to your satisfaction, please approve the scope of the interface by typing your name below.

Scope Approval

I,      , agree to the interface design as described here in this document.

Date:

1. Standardized Solution

This standardized integration consists of athenaNet sending Patient and Appointment data to Somnoware. Somnoware returns an Inbound Clinical Document to athenaNet to be stored in the patient’s chart.

Outlined below are the standardized interfaces to support the integration between athenaNet and Somnoware.

* 1. Outbound Patients, Appointments

|  |  |  |  |
| --- | --- | --- | --- |
| Use Case | Event |  | Functionality |
| Patient synchronization | New Patient ADDED in athenaNet  Patient UPDATED in athenaNet |  | Patient ADDED in other system  Patient UPDATED in other system |
| Schedule synchronization | Appt SCHEDULED in athenaNet  Appt CANCELLED in athenaNet  Appt UPDATED in athenaNet |  | Appt SCHEDULED in other system  Appt CANCELLED in other system  Appt status UPDATED in other system |

**Note**: The Outbound Patients and Appointments interface is a required interface to support the integration between athenaNet and Somnoware.

* 1. Inbound Clinical Documents

|  |  |  |  |
| --- | --- | --- | --- |
| Use Case | Event | https://lh6.googleusercontent.com/c4eb0UbbwgBZFm5Jww4CiQtBIzwVJNXSXDoKc4T53-e902k5qorcm5eTbaMvAZXsIBPhxVc1gsKdxPEoIG5UhCZNZH-xb5ywZvcBJd-7N04jyU12QBoTDE3Mohn8hQrb4yxpfwcXDefault Message | Functionality |
| Result Capture | Result CREATED in other system | ORU RO1 | Result POSTED in athenaNet |

Do you want to send result information to athenaNet?

* 1. Backfills and Imports
     1. Backfills via the Interface

An additional offering is for athenaNet to send a full load of future appointments to the other systems just as the interface is first enabled.

Does this project require a backfill?

Additional comments:

**BACKFILL PLANNING:** When planning a backfill, please consider the complexities of integrating data from several different systems. For example, most backfills from external applications include foreign IDs that will be written into athenaNet custom fields. These IDs should be unique and could potentially be bi-directionally accepted between all systems. Additionally, backfills can be done by data import or via the interface.

1. Outbound Message Configuration

The following sections contain configurations related only to outbound patient and appointment messages.

Message Types

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Enable? | Action | Direction | Default Message | Custom Message |
|  | Add Patient | Outbound | A04 |  |
|  | Update Patient | Outbound | A08 |  |
|  | Schedule Appointment | Outbound | S12 |  |
|  | Update Appointment | Outbound | S14 |  |
|  | Cancel Appointment | Outbound | S15 |  |

* 1. Patients
     1. Patient Race, Ethnicity, and Language

For outbound patient messages, race and ethnicity will be sent in the following format.

|  |
| --- |
| Code Set |
| CDC Identifier (Ex. For a race of “White Mountain Apache”, we would send “1019-9”) |

For outbound patient messages, language will be sent in the following format.

|  |
| --- |
| Code Set |
| ISO6392 Code (Ex. For English, we would send “eng”) |

* 1. External ID Management

As part of this standard integration the athenaNet Patient Enterprise ID will be sent in **PID.2** & **PID.3**

To assist with patient ID management throughout an integrated health system, athenaNet can store multiple external IDs. External IDs may be used for matching purposes or external IDs may just be interfaced and stored in athenaNet using custom fields. All patient IDs present in athenaNet, including external IDs such as those supplied by an interface or import process, are available to be sent out over the interface.

Please identify Person level Custom Fields here:

|  |  |  |
| --- | --- | --- |
| athena Custom Field Name | athena Custom Field ID | HL7 Field |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

Are any of the above external IDs formatted with leading zeros?

Additional comments:

* 1. Provider ID Management

Wherever provider is included on outbound messages, it will be sent as the provider’s NPI.

|  |  |
| --- | --- |
| Option | Provider ID |
|  | Provider’s NPI |

* 1. Appointments

As part of this standard integration the athenaNet appointment ID will be sent in **PV1.18**.

* + 1. Appointment Status

For outbound appointment messages the interface sends a status in field SCH.25.  By default, the statuses coincide with the event that triggered the message.

|  |  |
| --- | --- |
| Trigger Event | SCH.25 Value |
| New Appointment | BOOKED |
| Appointment Update | UPDATE |
| Cancel Appointment | CANCELLED |

**RECHEDULED APPOINTMENTS**: When a user reschedules an appointment through the athenaNet appointment workflow, it is actually cancelling the original appointment record and creating a new appointment record with a new athenaNet appointment ID. The interface will generate an appointment cancel message for the original appointment and an appointment create message for the new appointment. If this functionality will be an issue for your downstream system, please discuss this workflow with your athenahealth Project Manager.

1. Inbound Message Configurations

If inbound messages are not being sent, please skip this section.

Message Types

|  |  |  |  |
| --- | --- | --- | --- |
| Enable? | Action | Direction | Default Message |
|  | Results | Inbound | ORU R01 |

* + 1. Clinical Location Information

The Interface Project Manager will configure a Clinical Provider associated with the clinical location/performing facility. Please provide the name and full contact information for your performing facility in the table below. This information will be used for a non-orderable compendium to appropriately name each test according to the performing facility. .

|  |  |  |
| --- | --- | --- |
| Field | Description | |
| Ordering Location | athenaNet will send the athenaNet department ID and Name where the order was signed/approved. | |
| Performing Facility | Name: |  |
| Full Address: |  |
| Phone Number: |  |
| Fax Number: |  |
| Clinical Provider ID (if leveraging an existing Clinical Provider in athenaNet) |  |
|  | Will this facility route orders to multiple locations? | |

* + 1. Minimum Required Fields for Results Messages

In order to process a result, the following data fields have to be specified.

|  |  |
| --- | --- |
| Data Field | Default HL7 Field |
| Sending Application (Type of Result) | MSH.3 |
| Sending Facility | MSH.4 |
| Client Account ID | MSH.6 |
| Patient Name | PID.5 |
| Patient Date of Birth | PID.7 |
| Provider | OBR.16\* |
| Result Order Code / Description | OBR.4 |
| Result Values | OBX |

* + 1. ***Matching Logic for Results***
       1. Patient Matching Logic

The athenaNet matches results to a patient based on the below criteria. For automated patient matching to occur, the below three fields in the HL7 message must be identical to the data in the patient’s athenaClinicals chart:

* Patient full name (PID.5)
* Patient date of birth (PID.7)

If a result does not match to a patient in athenaNet, it will go into a HOLD status in the department staff bucket for the practice to review.

* + 1. ***Processing Logic for Results Messages***
       1. *Provider Identification*

Based on the provider information in the message, athenaNet will route documents to an athenaNet provider for review. Each provider is required to have a unique identifier included in the message.

Please indicate the provider identifier that will be sent to athenaNet:

|  |  |
| --- | --- |
| Provider Identifier Options | |
|  | NPI |

* + - 1. Provider and Department Routing

Inbound results must be routed to a provider and department enabled on athenaNet. Results will be routed based on the provider in the message. athenaNet will sequentially examine all supported provider fields (listed below) to attempt to match a result to the appropriate provider. Once a provider match is found, the result will be delivered to the Clinical Inbox of the provider’s primary department and athenaNet will not continue to look for additional provider matches. Your Interface Project Manager can provide you with a template for denoting each provider’s primary department.

Provider routing will be determined by looking at the following fields in the prioritized order:

|  |  |
| --- | --- |
| Provider Matching Field | Default Priority Order |
| OBR-16: Ordering Provider | 1 |
| ORC-12: Common Ordering Provider | 2 |
| OBR-32: Dictating Provider | 3 |
| OBR-28: Results Copies To | 4 |
| PV1-7: Attending Doctor | 5 |
| PV1-8: Referring Doctor | 6 |
| PV1-9: Consulting Doctor | 7 |
| PV1-17: Admitting Doctor | 8 |
| PV1-52: Other Healthcare Provider | 9 |
| PD1-4: Primary Care Provider | 10 |

* + - 1. Embedded PDF

Embedded PDF will be enabled for this interface.

athenaNet requires the following to process result messages with embedded PDFs :

* PDF is encoded in Base-64 and sent using “encapsulated data” datatype (OBX.2 should contain “ED”)
* Each message corresponds to a single result and contains exactly two OBR segments: the first containing discrete analyte values in as many OBX segments required and the second containing a single OBX with PDF data in OBX.5.5. Both OBR segments must contain the same accession identifier in OBR.2 and order type in OBR.4
* For result types with textual findings for which there is no discrete data, it is acceptable to send a single OBR segment containing PDF Data
  + - 1. Clinical Document Auto-Close

All documents received on this interface will be auto-closed to the patient’s chart.

* 1. Interface Mapping Requirements

It is expected that the client system sends data elements as outlined in the [athenaNet inbound global tables](http://www.athenahealth.com/~/media/athenaweb/files/developer-portal/athenanet_global_tables.xls). (http://www.athenahealth.com/~/media/athenaweb/files/developer-portal/athenanet\_global\_tables.xls)

To utilize this integration athenaNet’s global values must be sent.

To complete scoping, the client or vendor is required to create in Excel a list of custom values to be mapped during implementation and provide it to your Interface Project Manager for verification and review. During the build phase of the project, the client will create these mappings based on this list provided.

For example, if language is selected in the table below, the athenahealth Interface Project Manager is expecting a list containing all available language codes and descriptions in the external system for review. In the build phase, the client will map each of these external codes to the corresponding athenaNet codes.

|  |  |
| --- | --- |
| Data Element | Default HL7 Field |
| Abnormal Flags | OBX.8 |
| Result Status | OBR.25 & OBX.11 |
| Priority | OBR.5 |
| Client Account ID | MSH.6 |
| Provider | OBR.16 |

Go-Live Authorization Form

## About This Form

In order to move new interface functionality into your athenahealth production environment, you must review and complete this form. It should be understood that additional changes to the scope of the interface once moved into production will involve separate project work.

|  |  |
| --- | --- |
| athenaNet Practice ID |  |
| athenahealth Event Number |  |
| Interface Name/Modification Description |  |
| Use Case Description |  |

## Interfaces Not Requiring Testing

Although some interface work does not require testing, you must still authorize the Go Live of the interface before it can be built in athenaNet Production.

The following classes of interfaces do not require testing, as there are no options in the design of the interface, and the interface has already been tested by athenahealth:

* Data Warehouse Feed
* File System Link
* Inbound Claim Attachments
* Outbound Automated Reports
* Some standardized interfaces with specific trading partners

## Interface Testing

To ensure the new interface functionality is working as expected, we recommend that you perform validation in the testing environment. In general, testing involves taking an action in one system and reviewing the outcome on the other system. At a minimum, it is recommended to test each interface subscription or trigger as outlined in the Interface Workflow section of the associated Interface Scoping Questionnaire (ISQ).

## Post Go-Live Support

To contact athenahealth for help or support post go-live, the following resources are available:

1 Integration Monitoring: [IntegrationMonitoringRequests@athenahealth.com](mailto:IntegrationMonitoringRequests@athenahealth.com)

Additionally, it is **required** to provide support contact information for the client and trading partner for use by athenahealth interface support. When possible, general support hotlines and email address are preferred.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Name | Company | Title | Office Phone | Mobile Phone | Email |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

## Interface Go-Live Signoff

Reference is made to the Athenahealth services agreement (the “Agreement”) entered into by and between athenahealth, Inc. (“Athena”) and the client set forth on the signature page below (“Client”, “you” or “your”). In order to move your interface (or interface change requiring testing) (the “Interface”) into your athenaNet production environment, you must sign off on the functionality of the Interface by execution of this Go Live Authorization Form. Client agrees to fully cooperate with Athena and provide all assistance reasonably necessary for Athena to create, implement and maintain the Interfaces. Client acknowledges that Athena’s performance is contingent on Client’s timely and effective performance of its obligations and understands that the operability of the Interfaces depends on Client’s ability to maintain its own equipment and functionality. Client has obtained or will obtain all consents, licenses, and waivers and has fulfilled all legal obligations that are necessary to allow Athena to create, implement and maintain the Interfaces. It should be understood that additional changes to the scope of the Interface once loaded into athenaNet production will involve additional project work and potentially incur additional costs. In addition, Client acknowledges that moving the Interface to athenaNet production environment may require changes to athenaNet practice settings and in connection with this Go-Live Authorization Form authorizes all required changes in athenaNet.

Upon receipt of this signed form, Athena requires a minimum of 2 business days to move your interface live.

The terms of this Go Live Authorization Form are hereby incorporated into the Agreement and shall become effective upon Client’s signature below. By signing below, Client acknowledges that it is satisfied with the functionality of the Interface set forth below and Client authorizes Athena to enable such Interface to be deployed to athenaNet production.

CLIENT:

By: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Print Name:

Position:

Date: