2021-01 Post-Acute FHIR Order (DME Orders)

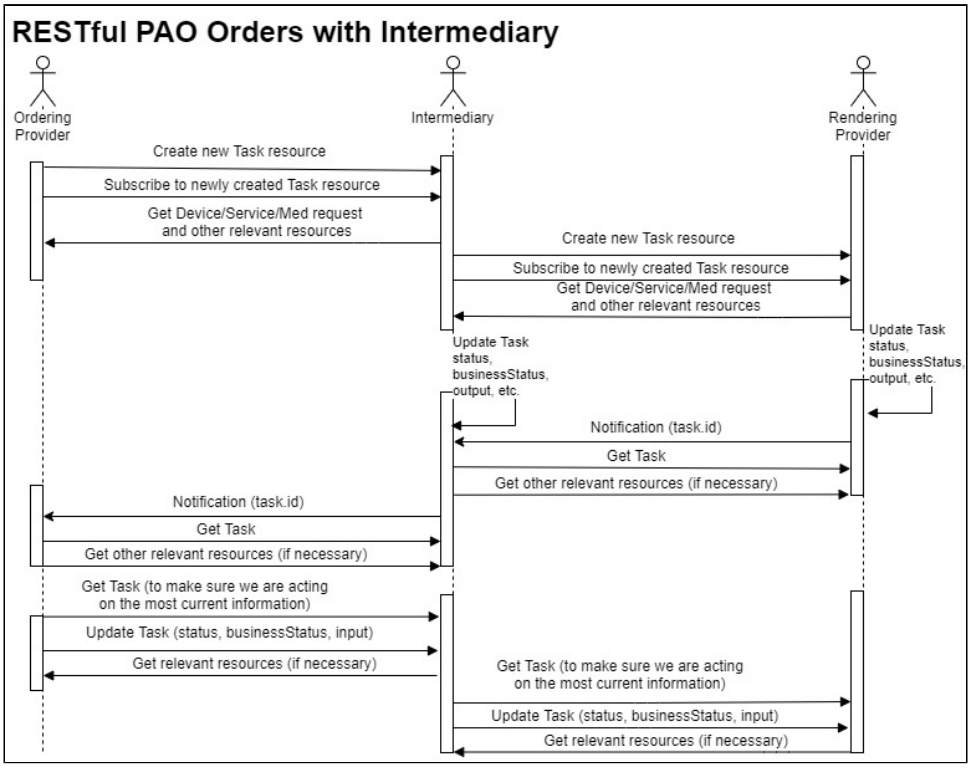
Short Description	This track focuses on FHIR based RESTFUL exchange of orders from an EHR to a supplier or supplier HIT (or Hub) and the ability to update the order after order fulfillment.
Long Description	Ability to define a Post-Acute FHIR based Order (PAO) for DME and Home Health Services to facilitate order exchange between the ordering provider and the DME supplier or the Home Health Agency.

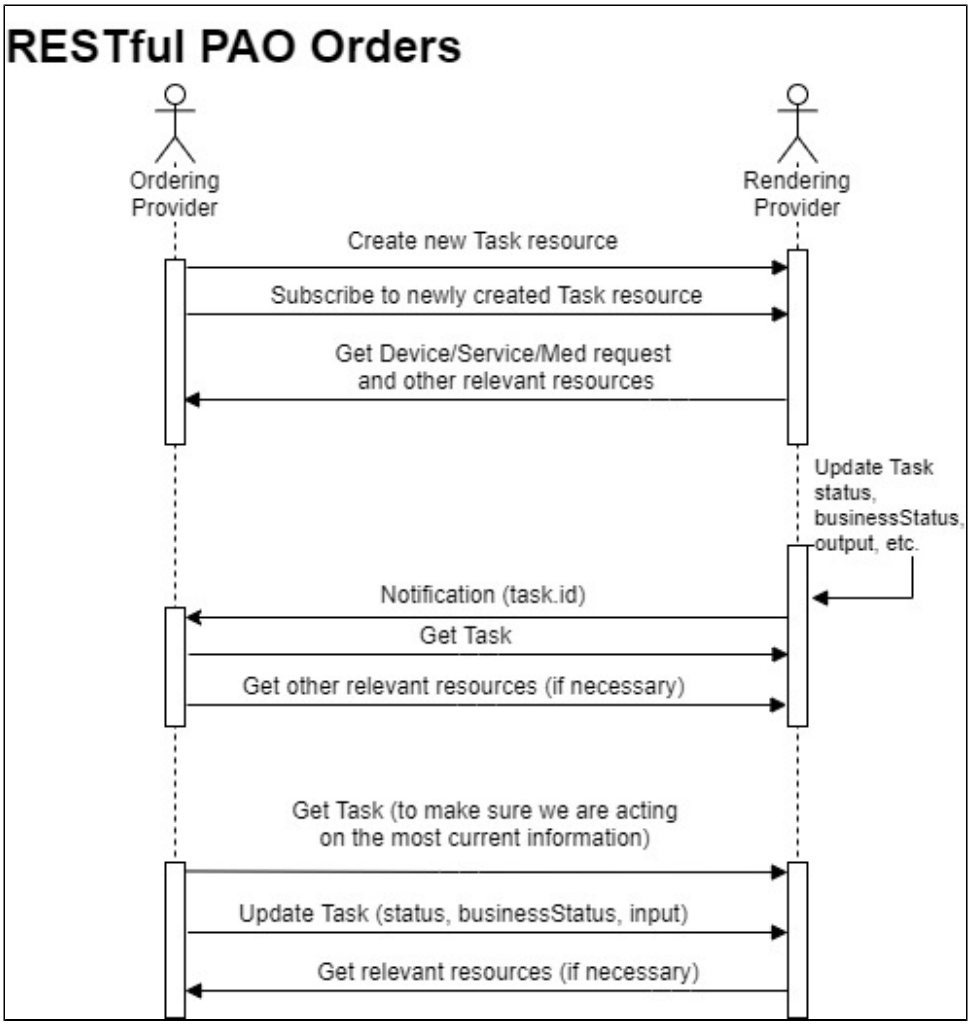
Agenda	To send a Task and optionally a Subscription Request. The receiver (supplier, service provider, HUB) is able to receive it, and GET the corresponding Order (ServiceRequest, DeviceRequest, MedicineRequest) and associated documentation. The receiver will update the TASK with current status. If a Subscription references the Task an alert will be sent to the ordering provider when the Task is updated. If there is no Subscription the Ordering provider system will periodically poll to determine if the Task is updated. We also want to test the ability to update and or cancel the order.
	
	Connectathon Agenda
	
	Thursday, 1/14/2021
	• 8:00 AM PT
	  o Kickoff day 1 / Introductions (identify observers vs. active participants)
	  o Discuss Implementation Guide with Bob Dieterle
	• 8:10 AM PT
	  o Review Implementation Guide
	• 11:00 AM PT
	  o Check-in #1
	• 1:00 PM PT
	  o Check-in #2
	• 3:00 PM PT
	  o Check-in #3
	• 5:00 PM PT
	  o Check-in #4
	Friday, 1/15/2021
	• 8:00 AM PT
	  o Kickoff day 2
	  o Discuss Implementation Guide with Bob Dieterle
	• 10:00 AM PT
	  o Check-in #5
	• Noon PT
	  o Check-in #6
	• 2:00 PM PT
	  o Check-in #7
	• 2:30-2:45 PM PT
	  o Report Out session
	• 4:00 PM PT
	  o Connectathon ends

Type	Test an Implementation Guide (https://build.fhir.org/ig/HL7/dme-orders/index.html)
Submitting Work Group /Project /Accelerator /Affiliate /Implementer Group	Post-acute Order Workgroup (for Orders and Observations)
Proposed Track Lead	Track Lead: Zane Schott, zane.schott@hme360.com; Kenneth Hodel, kenneth.hodel@dmehub.com ;Nandini Ganguly, nganguly@scopeinfotechinc.com SME: Robert Dieterle, rdieterle@enablecare.us
Related Tracks	
FHIR Version	FHIR R4

Specification(s) this track uses	Implementation Guide: https://build.fhir.org/ig/HL7/dme-orders/index.html

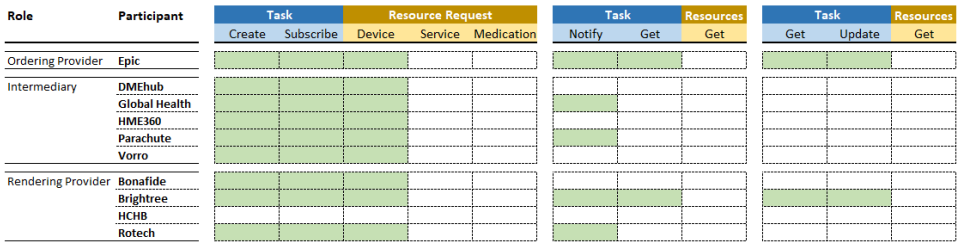
Artifacts of focus





Clinical input requested (if any)	Not Required
Patient input requested (if any)	Not Applicable
Expected participants	EHR vendors, DME suppliers or DME order management systems, home health agency technology suppliers. If interested please email at nganguly@scopeinfotechinc.com. Based on your confirmed participation, please fill out the table below.

Participant Name	Participant Email	Organization Name	Participant Role (Ordering/Rendering Provider/Intermediary)
Johnny (Chung Ko)	chung.ko@rotech.com	Rotech Healthcare	Rendering Provider
Neil Howard (Primary) Cooper Thompson	nhoward@epic.com cooper@epic.com	Epic	Ordering Provider
Matt Pestritto Josh Lee Jon Chan	matt@parachutehealth.com josh.lee@parachutehealth.com jon.chan@parachutehealth.com	Parachute Health	Rendering Provider/Intermediary
Ming Yu	mingyu@hchb.com	HomeCare HomeBase	Rendering Provider
Ken Hodel (Track Lead)	kenneth.hodel@dmehub.com	DMEhub	Ordering Provider/Intermediary
Zane Schott (Track Lead)	zane.schott@hme360.com	HME360	Intermediary
Gary Bartlett Harold Lownds	gbartlett@brightree.com hlownds@brightree.com	Brightree	Rendering Provider
Billy Waldrop	bwaldrop@vorrohealth.com	Vorro Health	Integration Provider/Intermediary
Eddy Hsu	ehsu@bonafide.com	Bonafide	Rendering Provider
Ravi Kafle	ravi_kafle@outlook.com	Global Health	Intermediary

Zulip stream	Zulip chat: https://chat.fhir.org/#narrow/stream/236612-DME-Orders.20on.20FHIR
FINAL REPORT out link	
FINAL REPORT Participation	
Track Orientation Details	Track Orientation Session Recording

Track Details

System Roles

Role 1: Ordering System – creates and send FHIR based orders for DME and/or Home Health Services (should prepare in advance but may build at connectathon)

Role 2: Rendering System – receives and interprets the FHIR based orders for DME and/or Home Health Services and performs the requested actions (should prepare in advance but may build at connectathon)

Role 3: Intermediary System – receives order and routes it to the correct Rendering System(s) – may split/modify order and/or convert order and to other format based on capability of the Rendering System(s) (should prepare in advance but may build at connectathon)

Scenarios

Scenario 1 Step 1: Home Oxygen Order

Action: Ordering System creates a POA order and Task for Home Oxygen Therapy including PAO DeviceRequest as the basis for the order and POST the Task to the endpoint of the Rendering System or Intermediary System.

Precondition: None

Success Criteria: Rendering System or Intermediary System receives a valid Task for Home Oxygen Therapy using the PAO Task profile

Bonus point: Ordering System updates status of Task locally based on HTTP return code (200x: received, 40x: failed)

Success Criteria: Ordering System recognizes HTTP code and sets Task.status accordingly

Scenario 1 Step 2: Rendering System or Intermediary System retrieves Order and associated documentation

Action: GET the Device Request that is the .focus of the Task

Success Criteria: Demonstrate ability to retrieve (GET) the DeviceRequest that is the focus of the Task

Bonus point: GET associated clinical documentation referenced by DeviceRequest.supportingInfo (Observation resource (O2 Saturation)

Success Criteria: Demonstrates ability to get Observation

Scenario 1 Step 3: Ordering System subscribes to the Task

Action: Create a Subscription to the Task and POST it to the Rendering System or Intermediary System.

Success Criteria: Receive a valid Subscription to the Task

Scenario 1 Step 4: Rendering System or Intermediary System sends a notification to the Ordering System

Action: Rendering System or Intermediary System updates the Task status and statusReason and sends a Subscription notification to the Ordering System indicating that the Task resource has been updated.

Success Criteria: Ordering Systems receiving a valid notification

Bonus point: Ordering System GETs the Task pointed to by the notification.

Success Criteria: Demonstrate retrieving the updated Task resource pointed to by the notification

Scenario 2 Step 1-4: Hospital Discharge Order for Home Health Physical Therapy

Same steps as for the Home Oxygen Order but focused on Home Health using the PAO ServiceRequest profile

Bonus Point: includes exchange of documentation supporting the order (suggestion to include specific resources that support the order for Physical Therapy (e.g. condition, observation, procedure, encounter)

Scenario 3 Step 1-4: Medication Order for Immunosuppressives

Same steps as for the Home Oxygen Order but focused on Immunosuppressives using the PAO MedicationRequest profile

Bonus Point: includes exchange of documentation supporting the order (suggestion to include specific resources that support the order for Immunosuppressives (e.g., .basedOn: condition)

TestScript(s)

Use basic Aegis test scripts for the R4 release: https://wildfhir4.aegis.net/fhir4-0-0-gui/index.jsf

Security and Privacy Considerations

Identify any expectations around security (e.g. will TLS, mutual-TLS, OAuth, etc. be required to participate)