Configuration Quick Reference

How Product Track Owners send and receive serialized data with EPCIS messages

Revision 02

tracelink | Help

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Revisions

Date	Revision	Description
17 Mar 2019	01	Initial document.
04 Aug 2023	02	Added notes under the following sections: • Send EPCIS Messages to a Partner • Send EPCIS Messages to Another Owner • Receive EPCIS Messages from a Partner

Getting Started

Owner Prerequisites

Product Track Owners must perform the following tasks before sending or receiving EPCIS messages.

ⓘ The **Where** sections demonstrate where to go to complete the task. Select the Help icon ( ) on that screen for more information on individual fields.

Add Products

Add product master data for the serialized products. Each serialized product must have a US - NDC 542 identifier.

Where

1. Go to *Master Data Exchange* > *Products*.
2. Select the ADD PRODUCT button.

Make Sure Serial Numbers are Available

Serial numbers must have a **Serial Number Status** of Commissioned and an **Item Status** of Available to be shipped in the EPCIS message.

ⓘ Only a prerequisite for Owners *sending* EPCIS messages.

Where

- Go to *Serialized Operations Manager* > *Queries*.

Configure *Product Track* Maps

TraceLink must configure maps for the *Product Track* EPCIS messages if Owners send messages to or receive messages from a Partner that also owns *Product Track*.

Where

1. Go to *Company Administration* > *Info Exchange*.
2. Select the **CONFIGURE INFO EXCHANGE PROFILES** button.
3. Select the Update Profile Settings link in the **Actions** column.

Partner Prerequisites

Partners that do not own *Product Track* must perform the following task before sending or receiving EPCIS messages from *Product Track* Owners.

Prepare the Partner's Enterprise Serialization Manager (ESM) System

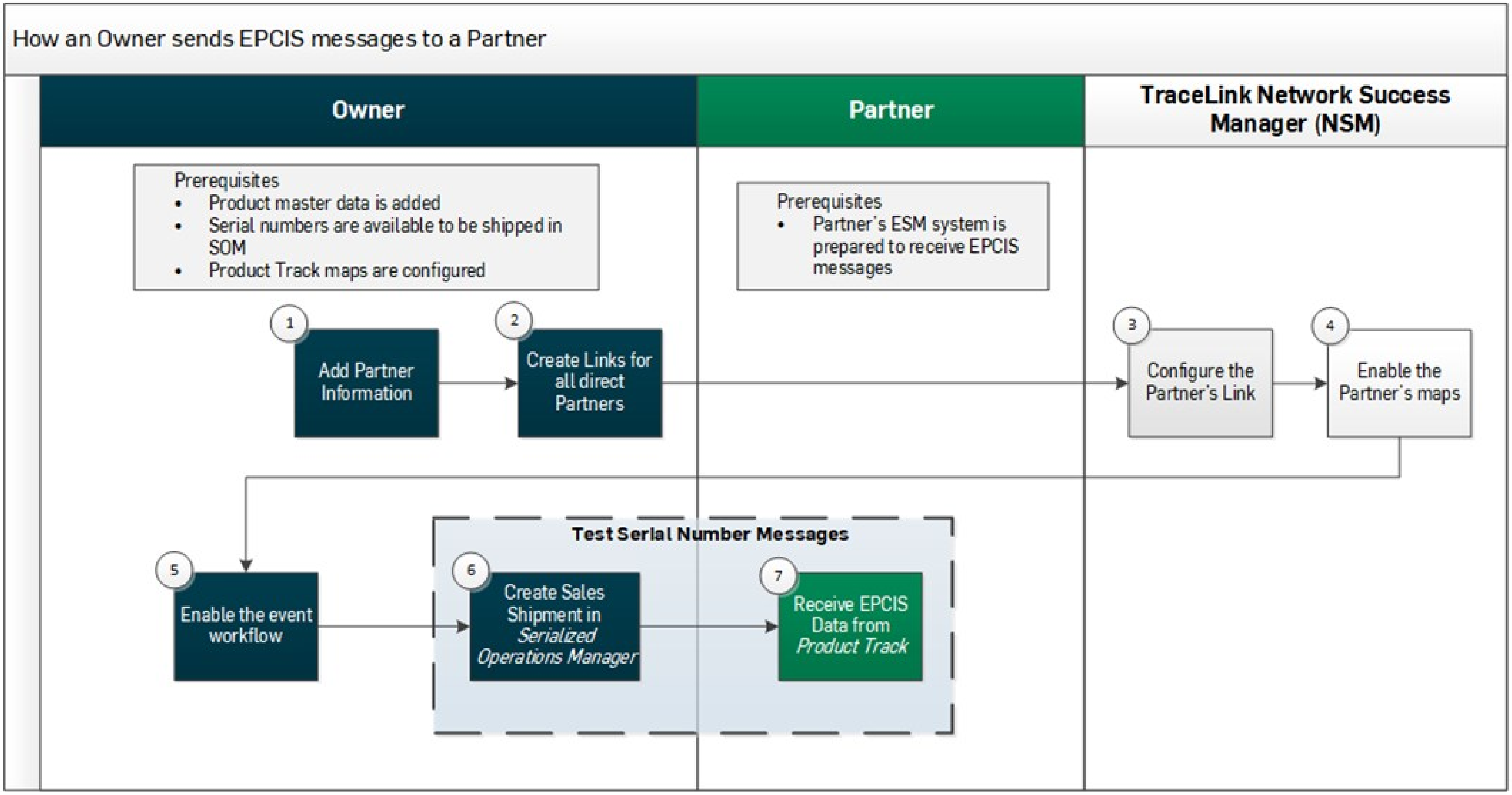
The Partner's ESM system must be prepared to send or receive EPCIS messages.

If the Partner is not ready to send or receive EPCIS messages, they can use the *Community* Transaction History Portal.

Configuration

Send EPCIS Messages to a Partner

This flowchart displays how a *Product Track* Owner sends EPCIS serialization data to a Partner that does not own *Product Track* or other TraceLink apps.



ⓘ The **Where** sections demonstrate where to go to complete the task. Select the Help icon (?) on that screen for more information on individual fields.

Owner

Step 1: Add Partner Information

Add the Partner's company and location information to *Master Data Exchange* and *Company Administration*.

Where

1. Go to *Master Data Exchange* > *Partner*.
2. Select the ADD PARTNER COMPANY button.

   ⓘ If the partner doesn't exist in the **Manage Partners** page, ADD PARTNER COMPANY adds the partner to the **Manage Partners** page.

   When you add an identifier for the partner in Partner Master Data, the partner finds the corresponding Company and adds it to the proper entry in the **Manage Partners** page.

Owner

Step 2: Create Links for all Direct Partners

Product Track Owners can create Links to multiple Partners at once, without needing the Partners to accept Link invitations.

Where

1. Go to *Company Administration* > *ServiceLinks*.
2. Select the CREATE SERVICELINKS button.

   After selecting CREATE SERVICELINKS, TraceLink searches for the company on the network. If the company is not found on the network, a **No Records Found** message displays.

Step 3: Configure the Partner's Link

A TraceLink Network Success Manager configures the Partner's Link to *Product Track*. This Link must have a GLN in the **Service ID** or the **Service Alias** field.

Where

1. Go to *Company Administration* > *Services*.
2. Select the Configure Subscription link in the **Actions** column for the correct Link.

   Make sure that the **SOM Serialized Sales Shipment Event** on the "Transaction Delivery Rules" tab is enabled to automatically deliver messages.

Step 4: Enable Maps

A TraceLink Network Success Manager enables *Product Track* maps for the Partner.

Where

1. Go to *Company Administration* > *Info Exchange*.
2. Select the CONFIGURE INFO EXCHANGE PROFILES button.
3. Select the Update Profile Settings link in the **Actions** column.

Owner

Step 5: Enable the Event Workflow

Enable the *Serialized Operations Manager* Sales Shipment EPCIS event workflow.

Where

1. Go to *Company Administration* > *Workflow*.
2. Enable the following workflow:
    - **Event** – Product Shipped - Sale *or* ESM Product Shipped - Sale (if the Pharmaceutical Manufacturer does not use TraceLink as their System of Record)
    - **Event Source** – [Pharmaceutical Manufacturer] Serialized Operations Manager
    - **Resulting Action** – Generate SOM Shipment EPCIS Messages

Owner

Step 6: Test Serial Number Messages – Ship Product

Send a shipment with a **Sale Type** of Sale - In Country or Sale - Export to make sure that the Link is configured correctly.

Where

1. Go to *Serialized Operations Manager* > *Outbound Movement*.
2. Select the Create Delivery link.

Partner Step 7: Test Serial Number Messages – Receive Serialization Data

When the Owner sends the transfer shipment through *Serialized Operations Manager*, the shipment should prompt the configurable workflow that sends the serialization information to the Partner.

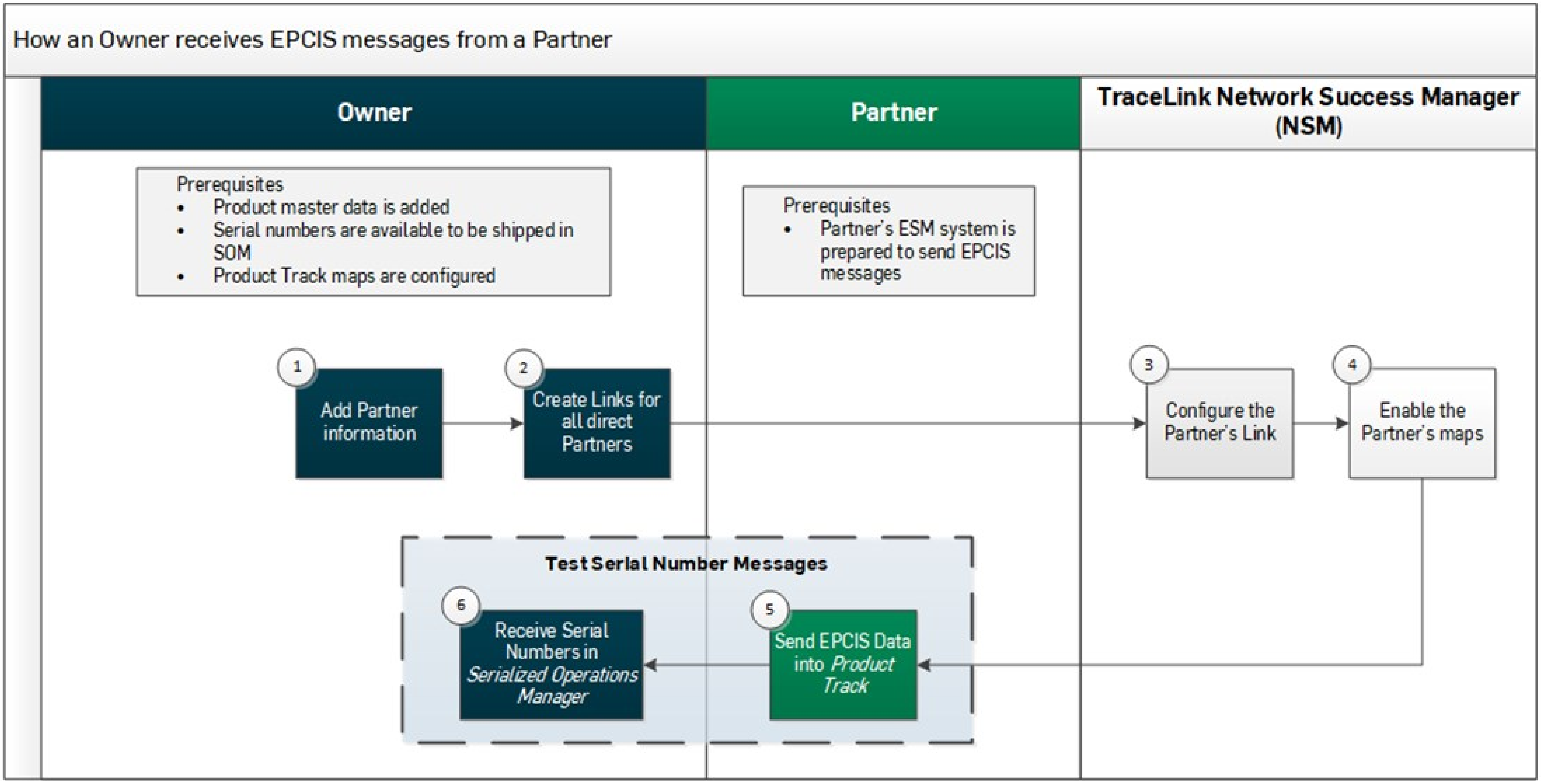
Where

1. Go to *US Product Track* > *View Transaction Exchanges*.
2. Select the View Transaction Exchange for Serialized Shipment icon ( ) in the **Actions** column.

> ⓘ Hover over the View icon ( ) to see whether the row represents the ASN or the Serialized Shipment.

Receive EPCIS Messages from a Partner

This flowchart displays how a *Product Track* Owner receives EPCIS serialization data from a Partner that does not own *Product Track* or other TraceLink apps.



ⓘ The **Where** sections demonstrate where to go to complete the task. Select the Help icon ( ) on that screen for more information on individual fields.

Owner

Step 1: Add Partner Information

Add the Partner's company and location information to *Master Data Exchange* and *Company Administration*.

Where

1. Go to *Master Data Exchange* > *Partner*.
2. Select the ADD PARTNER COMPANY button.

   If the partner doesn't exist in the **Manage Partners** page, ADD PARTNER COMPANY adds the partner to the **Manage Partners** page.

   When you add an identifier for the partner in Partner Master Data, the partner finds the corresponding Company and adds it to the proper entry in the **Manage Partners** page.

Owner

Step 2: Create Links for all Direct Partners

Product Track Owners can create Links to multiple Partners at once, without needing the Partners to accept Link invitations.

Where

1. Go to *Company Administration* > *ServiceLinks*.
2. Select the CREATE SERVICELINKS button.

   After selecting CREATE SERVICELINKS, TraceLink searches for the company on the network. If the company is not found on the network, a **No Records Found** message displays.

Step 3: Configure the Partner's Link

A TraceLink Network Success Manager configures the Partner's Link to *Product Track*. This Link must have a GLN in the **Service ID** or the **Service Alias** field.

Where

1. Go to *Company Administration* > *Services*.
2. Select the Configure Subscription link in the **Actions** column for the correct Link.

   Make sure that the **SOM Serialized Sales Shipment Event** on the "Transaction Delivery Rules" tab is enabled to automatically deliver messages.

Step 4: Enable Maps

A TraceLink Network Success Manager enables *Product Track* maps for the Partner.

Where

1. Go to *Company Administration* > *Info Exchange*.
2. Select the CONFIGURE INFO EXCHANGE PROFILES button.
3. Select the Update Profile Settings link in the **Actions** column.

Partner

Step 5: Test Serial Number Messages – Ship Product

Send the serialization data with an EPCIS message to the Owner's *Product Track* app to make sure that the Link is configured correctly.

Owner

Step 6: Test Serial Number Messages – Receive Serial Numbers

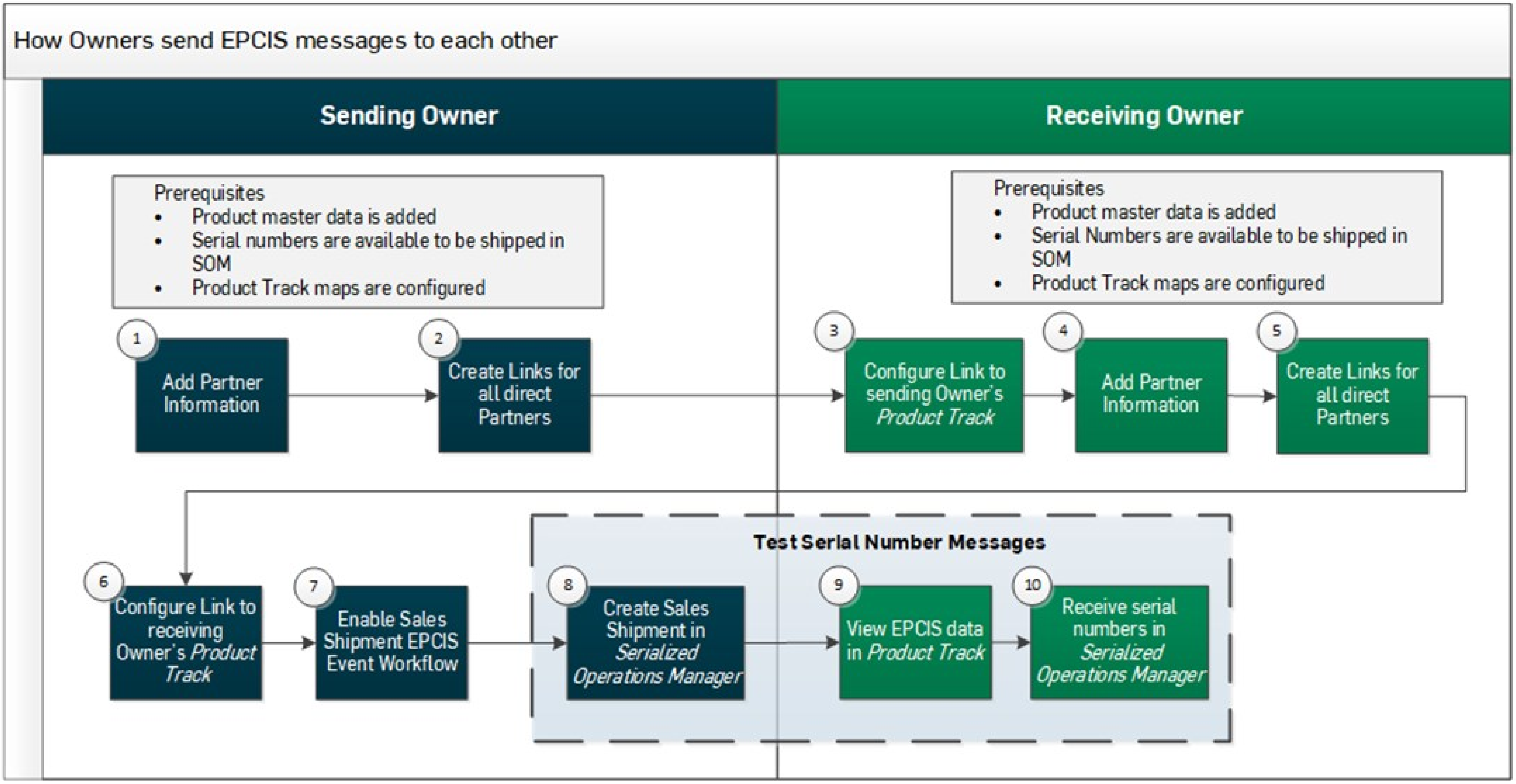
Receive the sales shipment from the Partner to make sure that the Link is configured correctly.

Where

1. Go to *Serialized Operations Manager* > *Inbound Movement*.
2. Select the Create Receipt link.

Send EPCIS Messages to Another Owner

This flowchart displays how a *Product Track* Owner sends EPCIS serialization data to another *Product Track* Owner.



ⓘ The **Where** sections demonstrate where to go to complete the task. Select the Help icon (?) on that screen for more information on individual fields.

Owner

Step 1: Add Partner Information

Add the Partner's company and location information to *Master Data Exchange* and *Company Administration*.

Where

1. Go to *Master Data Exchange* > *Partner*.
2. Select the ADD PARTNER COMPANY button.

   ⓘ If the partner doesn't exist in the **Manage Partners** page, ADD PARTNER COMPANY adds the partner to the **Manage Partners** page.

   When you add an identifier for the partner in Partner Master Data, the partner finds the corresponding Company and adds it to the proper entry in the **Manage Partners** page.

Owner

Step 2: Create Links for all Direct Partners

Product Track Owners can create Links to multiple Partners at once, without needing the Partners to accept Link invitations.

Where

1. Go to *Company Administration* > *ServiceLinks*.
2. Select the CREATE SERVICELINKS button.

   ⓘ After selecting CREATE SERVICELINKS, TraceLink searches for the company on the network. If the company is not found on the network, a **No Records Found** message displays.

Owner

Step 3: Configure the Link to the Sending Owner's *Product Track*

Configure the company's Link to the sending Owner's *Product Track*. This Link must have a GLN in the **Service ID** or the **Service Alias** field.

Where

1. Go to *Company Administration* > *Services*.
2. Select the Configure Subscription link in the **Actions** column for the correct Link.

   ⓘ Make sure that the **SOM Serialized Sales Shipment Event** on the "Transaction Delivery Rules" tab is enabled to automatically deliver messages.

Owner

Step 4: Add Partner Information

Add the Partner's company and location information to *Master Data Exchange* and *Company Administration*.

Where

1. Go to *Master Data Exchange* > *Partner*.
2. Select the ADD PARTNER COMPANY button.

   ⓘ If the partner doesn't exist in the **Manage Partners** page, ADD PARTNER COMPANY adds the partner to the **Manage Partners** page.

   When you add an identifier for the partner in Partner Master Data, the partner finds the corresponding Company and adds it to the proper entry in the **Manage Partners** page.

Owner

Step 5: Create Links for all Direct Partners

Product Track Owners can create Links to multiple Partners at once, without needing the Partners to accept Link invitations.

Where

1. Go to *Company Administration* > *ServiceLinks*.
2. Select the CREATE SERVICELINKS button.

   After selecting CREATE SERVICELINKS, TraceLink searches for the company on the network. If the company is not found on the network, a **No Records Found** message displays.

Owner

Step 6: Configure the Link to the Receiving Owner's *Product Track*

Configure the company's Link to the receiving Owner's *Product Track*. This Link must have a GLN in the **Service ID** or the **Service Alias** field.

Where

1. Go to *Company Administration* > *Services*.
2. Select the Configure Subscription link in the **Actions** column for the correct Link.

   Make sure that the **SOM Serialized Sales Shipment Event** on the "Transaction Delivery Rules" tab is enabled to automatically deliver messages.

Owner

Step 7: Enable the Event Workflow

Enable the *Serialized Operations Manager* Sales Shipment EPCIS event workflow.

Where

- Go to *Company Administration* > *Workflow*.

Owner

Step 8: Test Serial Number Messages – Ship Product

Send a shipment with a **Sale Type** of Sale - In Country or Sale - Export to make sure that the Link is configured correctly. The shipment should prompt the configurable workflow that sends the serialization information to the receiving Owner.

Where

1. Go to *Serialized Operations Manager* > *Outbound Movement*.
2. Select the Create Delivery link.

Owner

Step 9: Test Serial Number Messages – View Serialization Data

View the serialized data in *Product Track*.

Where

1. Go to *US Product Track* > *View Transaction Exchanges*.
2. Select the View Transaction Exchange for Serialized Shipment icon ( ) in the **Actions** column.

> ⓘ Hover over the View icon ( ) to see whether the row represents the ASN or the Serialized Shipment.

Owner

Step 10: Test Serial Number Messages – Receive Serial Numbers

Receive the sales shipment from the sending Owner to make sure that the Link is configured correctly.

Where

1. Go to *Serialized Operations Manager* > *Inbound Movement*.
2. Select the Create Receipt link.