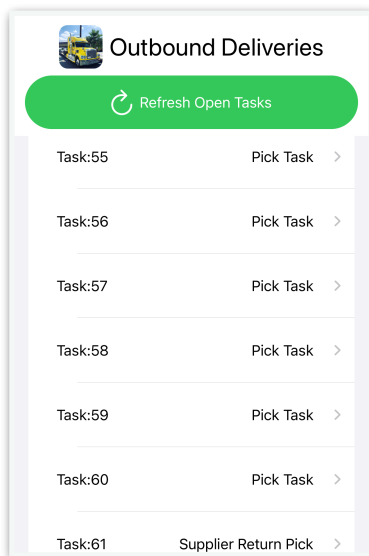


# Outbound Deliveries iOS App for SAP® Business ByDesign

The Outbound Deliveries iOS App for SAP® Business ByDesign has been designed to enhance your warehouse's outbound delivery process by enabling confirmations of deliveries directly from your mobile device. It is available on the App Store at <https://apps.apple.com/us/app/outbound-delivery/id1551235355>



Before confirming outbound deliveries it is recommended that you resynchronise the app with your SAP Business ByDesign system by pressing the 'Refresh Outbound Tasks'. This will then download all the new and in process outbound deliveries, for the site you have configured in the application settings, allowing you to confirm deliveries whether or not you are in range of your network.

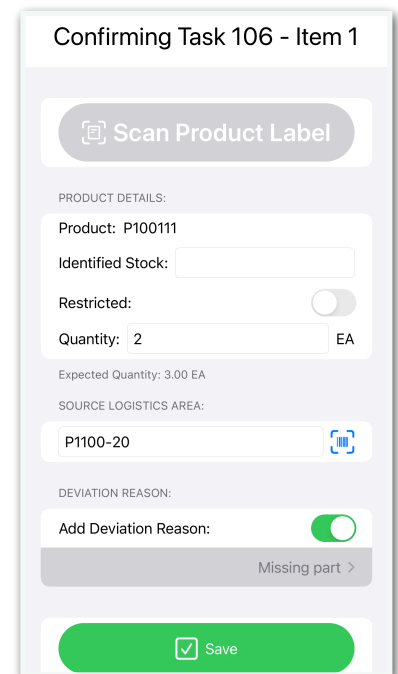
You can then select the outbound task to confirm and then choose which item from the order you are confirming.

Once in the item confirmation screen, you can then confirm the quantity received, whether it is restricted stock, the target logistics area you will be picking the stock to (if you are using two step pick/load) and a deviation reason if the delivery

is complete but not all the requested quantity is available.

As you confirm each delivery item, the information is automatically uploaded to your SAP Business ByDesign system in the background, but if for any reason you are offline then the confirmation details are stored within the app until the next time you are online at which point you can upload the data to your system.

The iOS app directly connects to your SAP Business ByDesign system so any data stored offline is local to your mobile device and not stored on any third party systems.



# App Settings

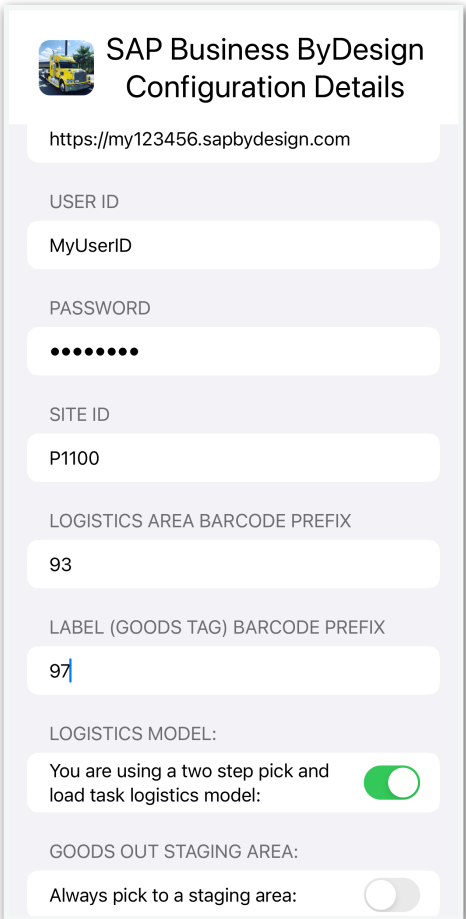
When you first use the Outbound Delivery iOS App you will be required to enter the details for your SAP Business ByDesign system. Please see the later section “SAP® Business ByDesign Configuration” for information on what needs to be completed in order to set your system up for use with the app.

The app will allow you to process deliveries by site so please enter the site ID that you will be confirming deliveries for.

If you are scanning the logistics areas you are picking from, or scanning product barcode labels, then there is the option to include the barcode prefixes that may be used — please speak with your system administrator about this if you are not sure what prefix to enter.

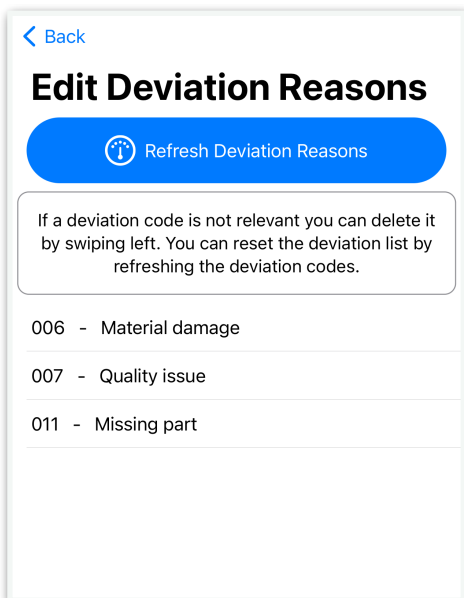
If you are using a two step logistics model, please select this option; again if you are not sure please speak with your system administrator or key user.

If you are also using a shipping staging area and will always pick items to this area then you have the option to enable this in the application settings. If you enable the toggle for the ‘Always pick to a staging area’ option, you can then enter the logistics area that you will always pick to. When confirming pick tasks you do have the option to override this if needed.



The screenshot shows the 'SAP Business ByDesign Configuration Details' screen. It includes a URL field with 'https://my123456.sapbydesign.com', a 'USER ID' field with 'MyUserID', a 'PASSWORD' field with masked characters, a 'SITE ID' field with 'P1100', a 'LOGISTICS AREA BARCODE PREFIX' field with '93', and a 'LABEL (GOODS TAG) BARCODE PREFIX' field with '97'. There are two toggle switches: 'LOGISTICS MODEL' (checked) with the text 'You are using a two step pick and load task logistics model:' and 'GOODS OUT STAGING AREA' (unchecked) with the text 'Always pick to a staging area:'.

Once you have entered all the required information please press the ‘Save Settings’ button to go back to the main app screen with the list of open outbound tasks.



The screenshot shows the 'Edit Deviation Reasons' screen. It has a 'Back' button at the top left. Below it is a blue button with a refresh icon and the text 'Refresh Deviation Reasons'. A text box explains: 'If a deviation code is not relevant you can delete it by swiping left. You can reset the deviation list by refreshing the deviation codes.' Below this are three list items: '006 - Material damage', '007 - Quality issue', and '011 - Missing part'.

# Deviation Reasons

Deviation reasons are used when confirming a partial delivery and the delivery is complete and you will not be picking any further items for it. Prior to using the app for the first time you need to synchronise the available deviation reasons with your system.


Due to the nature of the available web services in ByDesign the app will download all available deviation codes even if they are not relevant for outbound deliveries, so you will need to remove the deviation reasons that are not relevant by swiping left to delete them.

You can check which reasons are valid by matching the options in the ByDesign task confirmation screen.


# Confirmation Errors


Occasionally errors can occur which prevent the outbound delivery task confirmations from saving to your SAP Business ByDesign system. This could happen, for example, if the password has changed.

If this occurs you will see a button appear on the main task list view which will allow you to review these errors and either resubmit the task confirmation to your SAP Business ByDesign system or delete it if you have confirmed it manually already.



## Outbound Deliveries

 View Confirmation Errors

 Refresh Open Tasks

Task:57	Pick Task >
Task:58	Pick Task >
Task:59	Pick Task >
Task:60	Pick Task >
Task:61	Supplier Return Pick >

# SAP® Business ByDesign Configuration

In order for the app to work with your Business ByDesign system you will need to create a new communication arrangement.

You can view the official Communication Arrangements Quick Guide at: <https://help.sap.com/viewer/7c182c462ec043cba338a30b952068c7/2005/en-US/2dd4cb73722d1014938ec0c0927d57ed.html?q=communication%20arrangement>

Please ensure you set the user authentication method to be username and password.

The web services, or APIs, required for the Outbound Delivery app are:

- Query Site Logistics Tasks
- Manage Site Logistics Tasks
- Query Code Lists
- Read Goods Tags
- Query Identified Stocks
- Query Materials

To create the communications arrangement, please follow these steps:

1. Go to Application and User Management - Communication Systems
2. Create a new communication system:
  - 2.1.ID: OBDAPP
  - 2.2.Host Name: OBDAPP
  - 2.3.System Access Type: Internet
  - 2.4.Add a System Instance with ID: OBDAPP and Preferred Application Protocol: 5 - Web Service
  - 2.5.Click Save and then activate it (Actions button)
  - 2.6.Finally click Save and Close

Basic Information		Internal Comment
ID: *	<input type="text" value="OBDAPP"/>	
SAP Business Suite:	<input type="checkbox"/>	
Host Name:	<input type="text" value="OBDAPP"/>	
System Access Type: *	<input type="text" value="Internet"/>	
<b>Technical Contact</b>		
First Name:	<input type="text"/>	
Last Name:	<input type="text"/>	
Email:	<input type="text"/>	
Phone:	<input type="text"/>	
Fax:	<input type="text"/>	
<b>System Instances</b>		
<input type="button" value="Add Row"/>   <input type="button" value="Remove"/>		
System Instance ID		Preferred Application Protocol
OBDAPP		5 - Web Service

3. Now go to Application and User Management - Communication Scenarios
4. Create a new communications scenario:
  - 4.1. Communication Scenario Name: OBDAPP
  - 4.2. Add the following operations (there are the Service Descriptions):
    - 4.2.1. Query Site Logistics Task
    - 4.2.2. Manage Site Logistics Task
    - 4.2.3. Query Code Lists
    - 4.2.4. Read Goods Tag
    - 4.2.5. Query Identified Stocks
    - 4.2.6. Query Materials
  - 4.3. Click Save and Close to finish

Communication Scenario Name:

Assigned Operations

Release Status	Operation Description	Service Description	Service Name
<input type="checkbox"/>	Maintain site logistics tasks	Manage Site Logistics Tasks	ManageSiteLogisticsTaskIn
<input type="checkbox"/>	Find code lists	Query Code Lists	QueryCodeListIn
<input type="checkbox"/>	Find identified stocks	Query Identified Stocks	QueryIdentifiedStocksIn
<input type="checkbox"/>	Find materials	Query Materials	QueryMaterialIn
<input type="checkbox"/>	Find site logistics tasks	Query Site Logistics Tasks	QuerySiteLogisticsTaskIn

5. Go to Application and User Management - Communication Arrangements
6. Click New to create a new communication arrangement:
  - 6.1. Communication scenario = OBDAPP

New Communication Arrangement:

1 Select Scenario | 2 Define Business Data | 3 Define Technical Data | 4 Review | 5 Confirmation

< Previous | Next > | Finish ? | Close | Preview | Check Completeness ? | Save as Draft ?

Communication Scenarios

Communication Scenario	Communication Type
OBDAPP	Application Integration

- 6.2. Click Next
- 6.3. System Instance ID = OBDAPP

The screenshot shows the 'Define Business Data' step of the 'New Communication Arrangement' wizard. The progress bar indicates the current step is 2 of 5. The 'System Instance ID' field is highlighted with a red asterisk and contains the value 'OBDAPP'. Other fields include 'Communication System' (OBDAPP) and 'My Communication Data' (My Communication Data).

- 6.4. Click Next
- 6.5. Authentication Method = User ID and Password
- 6.6. Click Edit Credentials to set the password
- 6.7. Click Next
- 6.8. Click Finish

The screenshot shows the 'Define Technical Data' step of the 'New Communication Arrangement' wizard. The 'Communication Method' is set to 'Direct Connection'. Under 'Inbound Communication: Basic Settings', 'Inbound Communication Enabled' is checked, 'Application Protocol' is 'Web Service', and 'Authentication Method' is 'User ID and Password'. The 'User ID' is '\_OBDAPP' and the 'Edit Credentials' button is highlighted. A table at the bottom shows 'Services Used'.

Service	Settings	Status
Query Materials	Uses Basic Settings	Enabled
Querv Site Logistics Tasks	Uses Basic Settings	Enabled

Now use the user ID \_OBDAPP and the password you entered in step 6.6 in the app settings!

Please note that you need to ensure that *Automatic Identification* is scoped into your system, please see <https://apps.support.sap.com/sap/support/knowledge/en/0002919205> for more information.