Estimated Delivery Dates

Before ordering a product, a shopper may appreciate visibility as to when they would receive it. The Kibo Composable Commerce Platform can calculate estimated delivery dates for any STH, BOPIS, and Delivery items that allow you to offer promised dates to your shoppers. These dates and the inputs used to calculate them are provided for you to use as needed and display on the storefront's product details, cart, and checkout pages.

This can help with cases such as when a large item such as a couch may have a further-out delivery date. This is supported for all OMS (with or without a catalog) and eComm+OMS implementations.

Estimated Delivery Date Calculations

The system calculates both a Fulfillment Date and the total Estimated Delivery Date, which can then be displayed on your storefront's product details, cart, and checkout pages. These dates are independently calculated for each item in the cart, allowing you to give the shopper the option to ship them separately or not.

The rest of this guide will explain how to configure processing times, transfer times, and location cut off times. If you want to quickly refer to parameter definitions and calculations, you can expand the collapsible table below.

Parameters ar	nd Calculations
Field	Description
Shopper Location	The shopper's address or zip code, required for any Direct Ship or Delivery Estimated Delivery Date calculation.
Processing Time	Time taken to fulfill shipments at a location, measured in hours. Set separately on locations for Direct Ship, BOPIS, Transfer, and Delivery.
Cut Off Time	The start and end times of a given day during which a location is fulfilling Direct Ship, BOPIS, Transfer, and/or Delivery shipments. If the current time or processing time is past the cut off time for the location, the item's processing time will start the next day that the location is open. This is optional and if not set, it is considered unconstrained.

Field	Description
Order Cut Off Date	The latest time at which the order can be placed and still meet the Estimated Delivery Date, calculated as Closing Cut Off Time - Processing Time.
Transfer Time	The time taken to transfer a Direct Ship, BOPIS, or Delivery shipment from a Transfer Location to a Receiving Location, measured in hours. Default transfer times between location types can be set up, as well as overrides for transfers between specific locations.
Carrier Shipping Time	The time it takes for the carrier to get a Direct Ship order to the shopper, based on their address or zip code. This is determined by the carrier and shipping method, such as FedEx 2 Day shipping.
Delivery Time	The time it takes for the delivery provider to get a Delivery order to the shopper. This is determined by the provider.
Remorse Period	A period of time, measured in minutes, in which orders can be cancelled before shipments are created. This is configured with the Configurable Shipments feature.
Fulfillment Date (Current Inventory)	Current Date + Processing Time
Fulfillment Date (Future Inventory)	Last Future Date + Processing Time
Fulfillment Date (Current Inventory) with Remorse Period	Current Date + Remorse Period + Processing Time
Fulfillment Date (Future Inventory) with Remorse Period	Future Date + Remorse Period + Processing Time

Field	Description
Transfer Fulfillment Date	Current Date + Transfer Processing Time
Fulfillment Date (with Consolidation)	Current Date + Last (Transfer Fulfillment Date + Transfer Time) across transfer locations + Processing Time
Estimated Delivery Date (BOPIS)	Current Date + Processing Time
Estimated Delivery Date (Direct Ship / STH)	Fulfillment Date + Carrier Shipping Time
Estimated Delivery Date (Delivery)	Fulfillment Date + Delivery Time

Fulfillment Date

The Fulfillment Date is calculated for each item and fulfillment type. For BOPIS, this is the date that the item is ready to be picked up. For Direct Ship, this is the date that the item is ready to be shipped (i.e. picked up by carrier). For Delivery, this is the date that the item is ready to be Delivered (i.e. picked up by Delivery Provider).

- Fulfillment Date for Current Inventory = Current Date + Processing Time
- Fulfillment Date for Future Inventory = Future Date + Processing Time

In the case of bundles and products with extras, the system will compare the Fulfillment Dates for each item and use the latest date for the entire bundle or product with extras.

If you are using the Configurable Shipment feature, such as to provide a remorse period, then that time is also added into the Fulfillment Date calculation. This is the amount configured in the **Release orders** _ **mins after order submit** site setting. This means that the calculation for configurable shipments is Fulfillment Date = Current Date + Remorse Period + Processing Time.

Estimated Delivery Date

The Estimated Delivery Date for BOPIS shipments will be the same as the Fulfillment Date calculated above, because pickup does not require additional carrier or delivery time.

• BOPIS Estimated Delivery Date = Current Date + Processing Time

The Estimated Delivery Date for STH and Delivery shipments will be the sum of the Fulfillment Date and a Carrier Shipping Time or Delivery Time, both of which are determined by the carrier or delivery provider. The Carrier Shipping Time is based on the item's shipping method such as FedEx's 2 Day, Standard, and Express methods.

- STH Estimated Delivery Date = Fulfillment Date + Carrier Shipping Time
- Delivery Estimated Delivery Date = Fulfillment Date + Delivery Time

Special Case: Shipment Consolidation

Transfer times are considered when using shipment consolidation for STH, Delivery, or BOPIS. An additional Transfer Fulfillment Date field indicates when an item is fulfilled at a transfer location and ready to be transferred to the receiving location. This field is not displayed externally, only used in calculations.

• Transfer Fulfillment Date = Current Date + Transfer Processing Time

The Fulfillment Date at the receiving consolidation location accounts for transfer times to determine when it will have received all transfers. The processing time for the consolidation location will start from the time the last incoming transfer is received. Thus, the calculation for the final Fulfillment Date at the receiving consolidation location would be:

- Fulfillment Date = Current Date + Last (Transfer Fulfillment Date + Transfer Time) across transfer locations + Processing Time
- Note that the last incoming transfer is used for the item displayed on the product details page, while the last incoming transfer across all items is used on the cart and checkout pages.

The Estimated Delivery Date would then be calculated as expected for the fulfillment type, such as Fulfillment Date + Carrier Shipping Time for STH. If multiple location consolidation is being used, then the Estimated Delivery Date utilizes the latest date across all consolidation path.

Configure Delivery Date Parameters

This section describes how to configure a location's processing and cut off times, as well as the

transfer times between specific locations and/or location types.

Set Processing Times

The Processing Time is the time taken at a location to fulfill shipments, measured in hours. This can be set at the location level for Direct Ship, BOPIS, Transfer, and Delivery fulfillment types. To set a location's processing times:

1. Go to Main > Orders > Locations.

- 2. Either select an existing location or create a new location.
- 3. Enter the processing time in hours for Direct Ship, In Store Pickup, Delivery, and/or

Transfers as applicable depending on what your implementation is enabled for. The Transfers time entered here is the processing time only at the transfer location.

Processing Time		
Fulfillment Proce	ssing Time 🙃	
Direct Ship		hours
In Store Pickup		hours
Delivery		hours
Transfers		hours

4. Click **Save**.

Set Transfer Times

The Transfer Time is the time taken to transfer a shipment from a Transfer Location to the Receiving Location. For example, if the Transfer Time between Location A and Location B is three hours, then that means it takes three hours to transfer a shipment from Transfer Location A to Receiving Location B.

The system will consider transfer times set up between location types as defaults. Overrides can be set up between specific locations, in which case the system will apply the override instead of the default. For instance, you could set a default time for transfers between two location types (a Warehouse and a Store) and override if needed between two specific locations (Location A and Location B). This will apply to all fulfillment types.

1. Go to System > Settings > Transfer Times.

- Click the Default Transfer Times by Location Type tab. This tab displays a list of any existing location type-based transfer times, indicating the "from" and "to" location types and their associated time period.
- 3. Click Add Transfer Time.

Transfer Times 🔎 S	earch			
Default Transfer Times by Location Type	Transfer Times by Location			
				Add Transfer Time
Transfer From		Transfer To 🗢	Transfer Time 🗢	•
Warehouse01 - Warehouse 1		Warehouse02 - Warehouse 2	72 Hours	:
< 1 > g				Dis <mark>a</mark> aying 1 - 1 of 1

- 4. Select the **From Location Type** and the **To Location Type**. While you can't duplicate a setting for the same permutation (such as "from: Warehouse, to: Store"), the inverse scenario will still be valid if a setting for it doesn't already exist ("from: Store, to: Warehouse").
- 5. Enter the **Transfer time** (a whole number that is at least 0) and **Transfer time unit** (hours or days). If you enter the time in days, it will be converted into hours upon saving.

Select From location Type *		
StoreLocationName001		× •
Select To location Type *		
StoreLocationName001		× -
Transfer Time *	Transfer time unit	*
2	Days	~
Location transfer time of 2 da	ays will be saved as 48 hours	5.

- 6. Click **Save**.
- 7. Repeat Steps 3-6 for any other location type defaults you want to add.

- If you need to set up overrides, click the Transfer Times by Location tab. This tab displays a list of any existing location-based transfer times, indicating the "from" and "to" locations and their associated time period.
- 9. Click Add Transfer Time.

E Transfer Times 🔎 Se	earch		
Default Transfer Times by Location Type	Transfer Times by Location		
			Add Transfer Time
Transfer From 🗢	Transfer To 🇢	Transfer Time 🗢	-
Location01 - Location 1	Location02 - Location 2	48 Hours	:
< 1 > 2			[playing 1 - 1 of 1

10. Select the **From Location** and the **To Location**. While you can't duplicate a setting for the same permutation (such as "from: Austin, to: Boston"), the inverse scenario will still be valid if a setting for it doesn't already exist ("from: Boston, to: Austin").

While locations can only be set to one location type by default, certain implementations may be enabled to set multiple location types. If this is the case, the Estimated Delivery Date calculation will only consider the first set location type while determining the location's transfer time.

11. Enter the **Transfer time** (a whole number that is at least 0) and **Transfer time unit** (hours or days). If you enter the time in days, it will be converted into hours upon saving.

Add Transfer Time by Lo	cation	×
Select From location *		
Location01		× •
Select To location *		
Location03		× 👻
Transfer Time *	Transfer time unit *	
6	Hours	•
	Cancel	Save

12. Click Save.

13. Repeat Steps 9-12 for any other location overrides you want to add.

The search bar on the Transfer Times page allows you to do a keyword search on the Transfer From and Transfer To fields using either location or location type names and codes. For example, you can find all transfer time settings that relate to Austin— Warehouse01 by looking up either "Austin" or "Warehouse01."

Set Cut Off Times

Fulfillment Cut Off Times define when a location is able to fulfill on each given day of the week, and may or may not be the same as the location's Hours of Operations (which are a different section of the location configurations). You can set daily Direct Ship, BOPIS, Transfer, and Delivery cut off times in the location configurations with calendar-based overrides.

Fulfillment Date and Estimated Delivery Date calculations factor in these cut off times. If the current time or processing time is past the cut off time for the location, the item's processing time will start the next day that the location is open. Once processing starts on a day, the system assumes that it will complete on that day.

Additionally, the system will use this information to calculate an Order Cut Off Date (Closing Cut

Off Time - Processing Time). This indicates the latest time at which the order can be placed and still meet the Estimated Delivery Date, allowing you to display messaging such as "Receive by February 28th if order placed by 3:00 PM today" on your storefront.

1. Go to Main > Orders > Locations.

- 2. Click a location or create a new one.
- 3. In the Fulfillment Cut Off Time section, set the **Time Zone**.

Fulfillment Cut Off Time Time Zone Central Standard Time Direct Ship Pickup Transfers Delivery Apply Cut Off Times To Pickup Transfers Delivery

- 4. Click the tab of the fulfillment type you want to configure hours for.
- 5. If you want your settings here to apply to any other fulfillment types as well, such as if the location operates with the same time block for Direct Ship and Pickup, then check the appropriate options in **Apply Cut Off Times to** setting. This will copy your selections to the checked fulfillment type.
- 6. For at least one day of the week, set the **from** and **to** times (which may also be Closed instead of a specific time of day) to indicate when the location is actively fulfilling orders. If any days are left blank, that means that there is no cut off for that day.
 - If you want to set the same times across multiple days, then you can set the times for one day and check the others you want to copy to using the boxes on the right. Then click **Apply hours to all checked**.

Direct Ship	Pickup Transfers Delivery			
Apply Cut Off Times To	🛛 🗌 Pickup 📕 Transfers 📕 Delivery			Select All
Monday	from CLOSED	✓ CLOSED	~	Apply hours to all checked
Tuesday	from 08:00 am	 ✓ 05:00 pm 	~	Apply hours to all checked
Wednesday	from 08:00 am	✓ 05:00 pm	~	Apply hours to all checked
Thursday	from 08:00 am	v 05:00 pm	~	Apply hours to all checked
Friday	from 08:00 am	v 05:00 pm	~	Apply hours to all checked
Saturday	from 08:00 am	v 05:00 pm	~	Apply hours to all checked
Sunday	from CLOSED	✓ CLOSED	~	Apply hours to all checked
Set Override Hours	View & Remove Override Hours			Submit

- If you want to set different cut off times on specific calendar dates, such as holidays, click Set Override Hours.
 - Enter the From and To times, and check which fulfillment types you want these times to. Click Add.
 - Repeat these steps to add more override dates as needed. You can remove any by clicking the X on the far right.
 - 3. Click **Save**.

Set Override Hours												×
Label	Selec	et Date		From Cuto	off Time		To Cutoff Time		Apply Override Hours	То		
Christmas Day	2025	-12-24	98	CLOSED		~	CLOSED	~	Direct Ship 📄 Pic	kup 🔲 Transfers	Delivery	Add
Label		Date			From Cutoff Time			To Cutoff Time		Fulfillment Type		
Christmas Day		2025-12-25T00:00:00.00	00Z		CLOSED			CLOSED		directship		:
Christmas Day		2025-12-25T00:00:00.00	00Z		CLOSED			CLOSED		bopis		
Christmas Day		2025-12-25T00:00:00.00	00Z		CLOSED			CLOSED		transfers		:
Christmas Day		2025-12-25T00:00:00.00	00Z		CLOSED			CLOSED		delivery		:
											Close	Save

4. Click View & Remove Override Hours to see a list of all existing overrides and filter the list by date. To remove one, expand the drop-down menu on the far right of the table row and click Delete Override.

View Override H	ours for Direct Ship				
Date Filter					
2025-11-30		🖺 to 2	025-12-30		
Filter Overrides					
Date	Label	From	Cutoff Time	To Cutoff Time	
025-12-24	christmas day	CLOS	SED	CLOSED	
0				Di Del	ete Override
÷.					te overni

- 8. When you are done, click **Submit** in the bottom right of the Fulfillment Cut Off Time section.
- 9. If you are done configuring all location configurations, click **Save** in the top right of the page.

Shipping Extensibility Applications

In order for Kibo to retrieve estimated transit times and delivery windows from your shipping carriers or delivery providers, you must install the appropriate STH or Delivery application.

The Delivery application requires you to have a Delivery Solutions account configured with locations and their time windows.

Install or Develop Applications

If you want to use either of Kibo's default applications, ask to install it for you and skip to the Configure Carriers section.

Alternatively, you can develop your own application(s) based on our open source code. This is an Estimated Delivery Date-specific variant of a Shipping Extensibility application. To do so:

- 1. Log in to Dev Center.
- 2. Go to **Develop** > **Applications**.
- 3. Click Create Application.
- 4. Enter an appropriate name and ID, such as the following examples.
 - Name: "STH EDD Extensibility" or "Delivery EDD Extensibility"
 - Application ID: "STHEddExtensibility" or "DeliveryEddExtensibility"
- 5. Click Save.

6. While viewing the new application, click **Packages** > **Capabilities** > **Add Capability**.

status In dev	/elopment	:	APPLICATION V 1.0.0	ERSION	API VERSION 1.1947	.19340.4	SHARED SECRET	mozuadmin.DeliveryEddExtensibility.
Core	Active Packag	e: Release		~				`
Packages	Details	Behaviors	Events	Attributes	Capabilities	Assets		
Release Notes	Capabi	lity configu	rations		1			Add Capability

- 7. Select Shipping Adapter.
- 8. Click **Ok**. This displays the Shipping Adapter screen.
- 9. Leave the **Endpoint URL** blank and edit the default **Shipping Adapter Configuration** code to include the necessary features and configurations.
 - STH Configuration Example:

```
{
  "definition": {
     "description": "Extensible Carrier",
    "features": [ "ship" ],
     "logoUrl": null,
     "configFields": [
    ]
  },
  "serviceTypes": [
     {
       "serviceTypeCodeSuffix": "Standard",
       "deliveryDuration": "Standard",
       "localizations": [
          {
            "localeCode": "en-US",
            "name": "Standard"
          }
       ]
     },
     {
       "serviceTypeCodeSuffix": "3_Day",
       "deliveryDuration": "ThreeDay",
       "localizations": [
          {
            "localeCode": "en-US",
            "name": "3 Day"
          }
       ]
    },
     {
       "serviceTypeCodeSuffix": "2_Day",
       "deliveryDuration": "TwoDay",
       "localizations": [
          {
            "localeCode": "en-US",
            "name": "2 Day"
          }
       ]
     },
     {
       "serviceTypeCodeSuffix": "1 Day",
       "deliveryDuration": "OneDay",
       "localizations": [
          {
            "localeCode": "en-US",
            "name": "1 Day"
          }
       ]
    }
  ]
}
```

• Delivery Configuration Example:

```
{
    "definition": {
        "description": "Delivery Edd Application",
        "features": [ "delivery" ],
        "logoUrl": null,
        "confiaFields": [
```

```
{
        "name": "apiKey",
        "dataType": "string",
        "required": true,
        "localizations": [
          {
             "localeCode": "en-US",
             "label": "API Key",
             "description": "API Key"
          }
       ]
     },
{
        "name": "tenantld",
        "dataType": "string",
        "required": true,
        "localizations": [
          {
             "localeCode": "en-US",
             "label": "Tenant Id",
             "description": "Tenant Id"
          }
       ]
     }
  ]
},
"serviceTypes": [
  {
     "serviceTypeCodeSuffix": "Standard",
     "deliveryDuration": "Standard",
     "localizations": [
        {
          "localeCode": "en-US",
          "name": "Standard"
        }
     ]
  },
{
     "serviceTypeCodeSuffix": "3_Day",
     "deliveryDuration": "ThreeDay",
     "localizations": [
        {
          "localeCode": "en-US",
          "name": "3 Day"
        }
     ]
  },
  {
     "serviceTypeCodeSuffix": "2_Day",
     "deliveryDuration": "TwoDay",
     "localizations": [
        {
          "localeCode": "en-US",
          "name": "2 Day"
        }
     ]
  }
]
```

}

10. Click Save.

Configure Shipping Adapter	\bigotimes
Shipping Adapter Endpoint URL (Optional. Leave blank to use API extensions.):	
http://www.mysite.com/api	
* Shipping Adapter Configuration:	
<pre>{ "definition": { "description": "Delivery Edd Application", "logoUrl": null, "configFields": [{</pre>	Î
Cancel Save	

Then upload assets to the application:

- 1. Clone the STH or Delivery repository.
- 2. Add the appropriate mozu.config.json file to the directory.
- 3. Run grunt to upload.

And set the EasyPost API Key for applications to use:

- Make a POST call to .../api/platform/applications/authtickets with the payload
 {"appld":"<appld>","sharedSecret":"<sharedSecret>"}
- Make a POST call to .../api/platform/secureappdata/<appKeyId>/easypostConfig with the payload {"apiKey": "123456"}

Finally, submit your application for certification, install it, and enable it on your tenant(s) per the Shipping Extensibility application instructions.

Configure Carriers

After an application is installed, create a carrier account with its credentials and connect it to your shipping methods:

- 1. Go to System > Settings > Shipping > Carrier Accounts.
- 2. Click Create New Carrier Account.

≡	Carrier accounts	Methods	Carriers	Zones	Product Rules	Carrier accounts	,	₹	Create New Carrier Account
Nickr	name				Carrier				:
USPS	Account				USPS				:

- 3. Select the Delivery or STH application in the **Carrier Types** drop-down menu.
- 4. Enter an appropriate **Nickname** for the carrier.
- If using Delivery, enter the API Key. This can be found in your Delivery Solutions admin portal under Settings > Integrations > API Keys.

=	Create Carrier Account	
	Carrier Types * Delivery Edd Extensibility	•
	Nickname *	
	Delivery Edd Extensibility Account	-
	API Key *	
	redacted	
	Tenant Id *	
	tenant123	

• If using STH, note that you do not have to enter an API Key as Kibo's account key will be used automatically.

Carrier Types *	
Sth Edd Extensibility	•
Nickname *	
Sth Edd Extensibility Account	

- 6. If using Delivery, also enter your Delivery Solutions **Tenant Id** from the admin portal.
- 7. Click Save.
- 8. Go to System > Settings > Shipping > Carriers > Shipping Methods and Rates.
- 9. Select the appropriate carrier from the drop-down menu.
- 10. Select the matching carrier account to link it.

Shipping Methods and Rates



11. Check Enable for Checkout.

12. Click Save.

Add API Extension

The API Extension used by both applications should have been automatically added to your tenant upon install:

1. Go to System > Customization > API Extensions.

2. Verify that embedded.commerce.catalog.storefront.shipping.shippingExtensibility.main

appears in the list and contains the custom function below. If not present, add it manually.

```
"actionId": "embedded.commerce.catalog.storefront.shipping.shippingExtensibility.main",
 "contexts": [
  {
"customFunctions": [
   "applicationKey": "<appKey>",
  "functionId": "embedded.commerce.catalog.storefront.shipping.shippingExtensibility.main",
   "enabled": true
 },
  {
   "applicationKey": "<appKey>",
   "functionId": "embedded.commerce.catalog.storefront.shipping.shippingExtensibility.main",
   "enabled": true
 }
]
   }
  1
}
```

Once all of this is set up, Kibo will be able to retrieve all of the shipping and delivery information for calculating Estimated Delivery Dates.

API Integration

The Kibo APIs include a dedicated endpoint to retrieve Estimated Delivery Dates, as well as the ability to offer different shipping methods on different items in an order which may be useful to display to your shoppers alongside the estimated dates.

Estimated Delivery Date API

The Estimated Delivery Date Suggestion API retrieves the Estimated Delivery Date (EDD) calculation for order items to display to customers on your storefront. In the case of STH and Delivery items, this request will suggest the optimal fulfillment location to assign it to based on your configured order routing rules and calculate its associated EDD. In the case of BOPIS items in which the customer has chosen a pickup location, the system will not go through routing logic to suggest an assignment location and will instead return the EDD for the chosen location.

The POST endpoint /commerce/orders/orderRouting/api/v1/routing/edd/suggestion accepts the order item information and customer shipping address, as shown in the example request below. See the API documentation for more details.

```
{
  "eddItems": [
     {
       "orderItemID": 1,
       "partNumber": null,
       "sku": null,
       "quantity": 3,
       "customItemData": null,
       "itemDependency": null,
       "backorderable": false,
       "upc": "L0693614"
    }
  ],
  "shippingAddress": {
     "addressID": null,
     "customerID": null,
     "addressLine1": "100 First Avenue",
     "phone": "(111) 222-3333",
    "city": "Calgary",
    "state": "AB",
     "postalCode": "AB T1Y 6M6",
     "countryCode": "CA",
     "latitude": 51.081550,
     "longitude": -113.990430
  },
  "orderType": "DIRECTSHIP",
  "futureDateLimit": "2026-08-22T00:00:00Z",
  "orderID": 20782,
  "total": 29.95
}
```

The system will perform its fulfillment calculations and return an estimatedDeliveryDate object for each order item and location, as shown in the below example. Use the http.commerce.routing.eddsuggestion API Extensions to customize these responses if needed, such as to display the optimal estimated fulfillment date or time on your storefront.

The estimatedDeliveryDates object includes both the EDD and the orderCutoffDate that indicates the latest time at which the order can be placed and still meet the expected EDD. This allows you to display messaging such as "Receive by February 28th if order placed by 3:00 PM today" on your storefront. For Delivery items, an estimated deliveryWindow will be returned as well.

```
{
  "assignmentSuggestions": {
     "1":[
       {
          "orderItemID": 1,
          "locationID": 12345,
          "locationCode": "123",
          "quantity": 3,
          "route": "DIRECTSHIP",
          "futureDate": null,
          "futureDateString": null,
          "shipmentGroup": null,
          "data": null,
          "estimatedDeliveryDates": [
            {
               "estimatedDeliveryDate": "2025-02-28T00:00:00Z",
               "carrier": "UPS",
               "serviceType": "2Day",
               "orderCutoffDate": "2025-02-05T00:53:22Z"
            }
          ]
       }
     ]
  },
  "futureAssignmentSuggestions": {},
  "stateChangeSuggestions": {},
  "availableLocations": [],
  "emptyResponse": false
}
```

Item-Level Shipping Methods

As Estimated Delivery Dates evaluate carrier and shipping method options at the item level, you can set multiple shipping methods across different items in the same order. For instance, you can configure your storefront to allow the shopper to select 2-Day shipping for a specific item because they want its faster Estimated Delivery Date, while waiting longer for their other items.

If you want to do this as part of an eCommerce implementation, then shipping options can be updated on individual order items (as well as passing the Estimated Delivery Date and Order Routing location suggestion) during checkout via the Update Shipping and Suggestions endpoint with a request similar to the example below.

```
{
    "shippingMethodCode": "be609bb3ed9e436493f7ac67007f91ce",
    "shippingMethodName": "Flat Rate-$15",
    "expectedDeliveryDate": "2025-04-25T00:00:00.000Z",
    "suggestions": [
        {
            "locationCode": "Warehouse002",
            "quantity": "1",
            "productCode": "product_02"
        }
    ]
}
```

Recall that all items in a product bundle will use the same Expected Delivery Date, such as in the

below example:

```
"shippingMethodCode": "be609bb3ed9e436493f7ac67007f91ce",
  "shippingMethodName": "Flat Rate-$15",
  "expectedDeliveryDate": "2025-04-30T00:00:00.000Z",
  "suggestions": [
    {
     "locationCode": "Warehouse001",
     "quantity": "1",
     "productCode": "component 01"
    },
    {
     "locationCode": "Warehouse001",
     "quantity": "1",
     "productCode": "component 02"
    }
  ]
}
```

If updating a Delivery item, the delivery window returned by the EDD Suggestion endpoint should be included as well.

```
{
  "shippingMethodCode": "be609bb3ed9e436493f7ac67007f91ce",
  "shippingMethodName": "Flat Rate-$15",
  "expectedDeliveryDate": "2025-04-25T00:00:00.000Z",
  "deliveryWindow": {
   "startTime": "2025-04-25T13:00:00.000Z",
   "endTime": "2025-04-25T14:00:00.000Z",
  },
  "suggestions": [
   {
    "locationCode": "Warehouse002",
    "quantity": "1",
    "productCode": "product 02"
   }
  ]
}
```

In OMS-Only implementations, the same information can be supplied in the Create Order request as line item data.

```
{
```