SAP Business Network

Order Confirmation, Seller integration aspects Knowledge for Suppliers

SCC Seller Integration Team, SAP
March 2024

CONFIDENTIAL

Agenda

Is Confirmation requested ?

The Order Confirmation message is allowed or required in SAP Business Network :

- By Instruction in the Purchase Order in **<ControlKeys>** part, within *<OCInstruction value="allowed">* field

  3 values are possible :
  - allowed
  - notAllowed
  - requiredBeforeASN

- By **rule defined in SAP Business Network** which requires Order Confirmation

"*Require suppliers to create an order confirmation for the PO before creating an invoice*."
"Require suppliers to fully confirm line items before fulfillment"
"Require suppliers to create an order confirmation before creating a ship notice."

- By **rule defined in SAP Business Network**, confirmation could have to be done at ***schedule line-item level***

"Require suppliers to send order confirmations for material orders at the schedule line-item level"

In this case, tolerances can be set-up to be validated at schedule line-item level by the following rule :
"Validate tolerance for quantity, delivery date, or both at the schedule-line level"

Note : When attribute *OCinstruction* value is *requiredBeforeASN*, and/or the rule is set-up, Order Confirmation for the Purchase Order line Item is required before sending a Ship Notice for that line - Otherwise the Ship Notice will be rejected by SAP Business Network

Order Confirmation and Reconfirmation cases

- Confirmations usually include acceptance, change, merge or split of delivery dates.
- Multiple date changes can be sent using multiple Order Confirmation transmissions.

Case 1

PO Sample		
	Quantity	Delivery Date
Line Item 1	100	May 15
Line Item 2	200	May 16

Purchase Order

```
<OrderRequest>
    <OrderRequestHeader orderDate="2020-05-01T12:00:00+00:00" orderID="Order_Id" orderType="regular" type="new">
        <--------/>
    </OrderRequestHeader>
    <ItemOut quantity="100.000" requestedDeliveryDate="2020-05-15T12:00:00+00:00" lineNumber="00010">
        <ItemID>
            <---------/>
        </ItemID>
        <ItemDetail>
            <---------/>
        </ItemDetail>
        <ScheduleLine quantity="100.000" requestedDeliveryDate="2020-05-15T12:00:00+00:00" lineNumber="0001">
            <UnitOfMeasure>PCE</UnitOfMeasure>
        </ScheduleLine>
    </ItemOut>
    <ItemOut quantity="200.000" requestedDeliveryDate="2020-05-16T12:00:00+00:00" lineNumber="00020">
        <ItemID>
            <---------/>
        </ItemID>
        <ItemDetail>
            <---------/>
        </ItemDetail>
        <ScheduleLine quantity="200.000" requestedDeliveryDate="2020-05-16T12:00:00+00:00" lineNumber="0001">
            <UnitOfMeasure>PCE</UnitOfMeasure>
        </ScheduleLine>
        <ItemOutIndustry/>
    </ItemOut>
</OrderRequest>
```

1st Order Confirmation : Line item 1: Accept as is Line Item 2: confirmed in another OC			**Update Order confirmation : Line Item 1: Split of accepted delivery date Line Item 2: Confirm the 1st date**		
Line Item 1	100	May 15	**Line Item 1**		
			Delivery Date 1	50	May 12
			Delivery Date 2	50	May 14
			Line Item 2	200	May 16

1st Order Confirmation

```
<ConfirmationRequest>
    <ConfirmationHeader noticeDate="2020-05-05T05:42:10-07:00" type="detail" operation="new" confirmID="OC Order_Id"/>
    <OrderReference orderID="Order_Id">
        <DocumentReference payloadID=""/>
    </OrderReference>
    <ConfirmationItem quantity="100.000" lineNumber="10">
        <UnitOfMeasure>PCE</UnitOfMeasure>
        <ConfirmationStatus deliveryDate="2020-05-15T05:00:00-07:00" type="accept" quantity="100.000">
            <UnitOfMeasure>PCE</UnitOfMeasure>
        </ConfirmationStatus>
    </ConfirmationItem>
</ConfirmationRequest>
```

Update Order Confirmation

```
<ConfirmationRequest>
    <ConfirmationHeader noticeDate="2020-05-05T05:42:10-07:00" type="detail" operation="update" confirmID="OC Order_Id"/>
    <OrderReference orderID="Order_Id">
        <DocumentReference payloadID=""/>
    </OrderReference>
    <ConfirmationItem quantity="100.000" lineNumber="10">
        <UnitOfMeasure>PCE</UnitOfMeasure>
        <ConfirmationStatus deliveryDate="2020-05-12T05:00:00-07:00" type="accept" quantity="50.000">
            <UnitOfMeasure>PCE</UnitOfMeasure>
        </ConfirmationStatus>
        <ConfirmationStatus deliveryDate="2020-05-14T05:00:00-07:00" type="accept" quantity="50.000">
            <UnitOfMeasure>PCE</UnitOfMeasure>
        </ConfirmationStatus>
    </ConfirmationItem>
    <ConfirmationItem quantity="200.000" lineNumber="20">
        <UnitOfMeasure>PCE</UnitOfMeasure>
        <ConfirmationStatus deliveryDate="2020-05-16T05:00:00-07:00" type="accept" quantity="200.000">
            <UnitOfMeasure>PCE</UnitOfMeasure>
        </ConfirmationStatus>
    </ConfirmationItem>
</ConfirmationRequest>
```

Case 2

PO Sample		
	Quantity	Delivery Date
Line Item 1	100	May 15
Line Item 2	200	May 16


```xml
<OrderRequest>
    <OrderRequestHeader orderDate="2020-05-01T12:00:00+00:00" orderID="Order_Id" orderType="regular" type="new">
        <--------/>
    </OrderRequestHeader>
    <ItemOut quantity="100.000" requestedDeliveryDate="2020-05-15T12:00:00+00:00" lineNumber="00010">
        <ItemID>
            <---------/>
        </ItemID>
        <ItemDetail>
            <---------/>
        </ItemDetail>
        <ScheduleLine quantity="100.000" requestedDeliveryDate="2020-05-15T12:00:00+00:00" lineNumber="0001">
            <UnitOfMeasure>PCE</UnitOfMeasure>
        </ScheduleLine>
    </ItemOut>
    <ItemOut quantity="200.000" requestedDeliveryDate="2020-05-16T12:00:00+00:00" lineNumber="00020">
        <ItemID>
            <---------/>
        </ItemID>
        <ItemDetail>
            <---------/>
        </ItemDetail>
        <ScheduleLine quantity="200.000" requestedDeliveryDate="2020-05-16T12:00:00+00:00" lineNumber="0001">
            <UnitOfMeasure>PCE</UnitOfMeasure>
        </ScheduleLine>
        <ItemOutIndustry/>
    </ItemOut>
</OrderRequest>
```


Purchase Order

1st Order Confirmation : Line item 1: Accepted lower quantity Line Item 2: confirmed in another OC		
Line Item 1	80	May 15

Update Order confirmation : Line Item 1: Split of accepted delivery date Line Item 2: Confirm the 1st date		
Line Item 1		
Delivery Date 1	50	May 12
Delivery Date 2	30	May 14


```xml
<ConfirmationRequest>
    <ConfirmationHeader noticeDate="2020-05-05T05:42:10-07:00" type="detail" operation="new" confirmID="OC Order_Id"/>
    <OrderReference orderID="Order_Id">
        <DocumentReference payloadID=""/>
    </OrderReference>
    <ConfirmationItem quantity="80.000" lineNumber="10">
        <UnitOfMeasure>PCE</UnitOfMeasure>
        <ConfirmationStatus deliveryDate="2020-05-15T05:00:00-07:00" type="accept" quantity="80.000">
            <UnitOfMeasure>PCE</UnitOfMeasure>
        </ConfirmationStatus>
    </ConfirmationItem>
</ConfirmationRequest>
```


1st Order Confirmation


```xml
<ConfirmationRequest>
    <ConfirmationHeader noticeDate="2020-05-05T05:42:10-07:00" type="detail" operation="update" confirmID="OC Order_Id"/>
    <OrderReference orderID="Order_Id">
        <DocumentReference payloadID=""/>
    </OrderReference>
    <ConfirmationItem quantity="80.000" lineNumber="10">
        <UnitOfMeasure>PCE</UnitOfMeasure>
        <ConfirmationStatus deliveryDate="2020-05-12T05:00:00-07:00" type="accept" quantity="50.000">
            <UnitOfMeasure>PCE</UnitOfMeasure>
        </ConfirmationStatus>
        <ConfirmationStatus deliveryDate="2020-05-14T05:00:00-07:00" type="accept" quantity="30.000">
            <UnitOfMeasure>PCE</UnitOfMeasure>
        </ConfirmationStatus>
    </ConfirmationItem>
    <ConfirmationItem quantity="200.000" lineNumber="20">
        <UnitOfMeasure>PCE</UnitOfMeasure>
        <ConfirmationStatus deliveryDate="2020-05-16T05:00:00-07:00" type="accept" quantity="200.000">
            <UnitOfMeasure>PCE</UnitOfMeasure>
        </ConfirmationStatus>
    </ConfirmationItem>
</ConfirmationRequest>
```


Update Order Confirmation

Case 3

PO Sample		
	Quantity	Delivery Date
Line Item 1	100	May 15
Line Item 2	200	
Schedule line 1	120	May 07
Schedule line 2	80	May 16

Purchase Order


```xml
<OrderRequest>
    <OrderRequestHeader orderDate="2020-05-01T12:00:00+00:00" orderID="Order_Id" orderType="regular" type="new">
            <--------/>
    </OrderRequestHeader>
    <ItemOut quantity="100.000" requestedDeliveryDate="2020-05-15T12:00:00+00:00" lineNumber="00010">
        <ItemID>
            <---------/>
        </ItemID>
        <ItemDetail>
            <---------/>
        </ItemDetail>
        <ScheduleLine quantity="100.000" requestedDeliveryDate="2020-05-15T12:00:00+00:00" lineNumber="0001">
            <UnitOfMeasure>PCE</UnitOfMeasure>
        </ScheduleLine>
    </ItemOut>
    <ItemOut quantity="200.000" requestedDeliveryDate="2020-05-16T12:00:00+00:00" lineNumber="00020">
        <ItemID>
            <---------/>
        </ItemID>
        <ItemDetail>
            <---------/>
        </ItemDetail>
        <ScheduleLine quantity="120.000" requestedDeliveryDate="2020-05-07T12:00:00+00:00" lineNumber="0001">
            <UnitOfMeasure>PCE</UnitOfMeasure>
        </ScheduleLine>
        <ScheduleLine quantity="80.000" requestedDeliveryDate="2020-05-16T12:00:00+00:00" lineNumber="0002">
            <UnitOfMeasure>PCE</UnitOfMeasure>
        </ScheduleLine>
        <ItemOutIndustry/>
    </ItemOut>
</OrderRequest>
```


1st Order Confirmation : Line item 1: Accept as is Line Item 2: confirmed in another OC			**Update Order confirmation : Line Item 1: Change even if already accepted Line Item 2: Confirm on 1 date**		
Line Item 1	100	May 15	**Line Item 1**		
			Delivery Date 1	50	May 12
			Delivery Date 2	50	May 14
			Line Item 2	200	May 16

1st Order Confirmation


```xml
<ConfirmationRequest>
    <ConfirmationHeader noticeDate="2020-05-05T05:42:10-07:00" type="detail" operation="new" confirmID="OC Order_Id"/>
    <OrderReference orderID="Order_Id">
        <DocumentReference payloadID=""/>
    </OrderReference>
    <ConfirmationItem quantity="100.000" lineNumber="10">
        <UnitOfMeasure>PCE</UnitOfMeasure>
        <ConfirmationStatus deliveryDate="2020-05-15T05:00:00-07:00" type="accept" quantity="100.000">
            <UnitOfMeasure>PCE</UnitOfMeasure>
        </ConfirmationStatus>
    </ConfirmationItem>
</ConfirmationRequest>
```


Update Order Confirmation


```xml
<ConfirmationRequest>
    <ConfirmationHeader noticeDate="2020-05-05T05:42:10-07:00" type="detail" operation="update" confirmID="OC Order_Id"/>
    <OrderReference orderID="Order_Id">
        <DocumentReference payloadID=""/>
    </OrderReference>
    <ConfirmationItem quantity="100.000" lineNumber="10">
        <UnitOfMeasure>PCE</UnitOfMeasure>
        <ConfirmationStatus deliveryDate="2020-05-12T05:00:00-07:00" type="accept" quantity="50.000">
            <UnitOfMeasure>PCE</UnitOfMeasure>
        </ConfirmationStatus>
        <ConfirmationStatus deliveryDate="2020-05-14T05:00:00-07:00" type="accept" quantity="50.000">
            <UnitOfMeasure>PCE</UnitOfMeasure>
        </ConfirmationStatus>
    </ConfirmationItem>
    <ConfirmationItem quantity="200.000" lineNumber="20">
        <UnitOfMeasure>PCE</UnitOfMeasure>
        <ConfirmationStatus deliveryDate="2020-05-16T05:00:00-07:00" type="accept" quantity="200.000">
            <UnitOfMeasure>PCE</UnitOfMeasure>
        </ConfirmationStatus>
    </ConfirmationItem>
</ConfirmationRequest>
```

Case 4

PO Sample		
	Quantity	Delivery Date
Line Item 1	100	May 15
Line Item 2	200	
Schedule line 1	120	May 07
Schedule line 2	80	May 16

Purchase Order

```
<OrderRequest>
    <OrderRequestHeader orderDate="2020-05-01T12:00:00+00:00" orderID="Order_Id" orderType="regular" type="new">
            <---------/>
    </OrderRequestHeader>
    <ItemOut quantity="100.000" requestedDeliveryDate="2020-05-15T12:00:00+00:00" lineNumber="00010">
        <ItemID>
            <---------/>
        </ItemID>
        <ItemDetail>
            <---------/>
        </ItemDetail>
        <ScheduleLine quantity="100.000" requestedDeliveryDate="2020-05-15T12:00:00+00:00" lineNumber="0001">
            <UnitOfMeasure>PCE</UnitOfMeasure>
        </ScheduleLine>
    </ItemOut>
    <ItemOut quantity="200.000" requestedDeliveryDate="2020-05-16T12:00:00+00:00" lineNumber="00020">
        <ItemID>
            <---------/>
        </ItemID>
        <ItemDetail>
            <---------/>
        </ItemDetail>
        <ScheduleLine quantity="120.000" requestedDeliveryDate="2020-05-07T12:00:00+00:00" lineNumber="0001">
            <UnitOfMeasure>PCE</UnitOfMeasure>
        </ScheduleLine>
        <ScheduleLine quantity="80.000" requestedDeliveryDate="2020-05-16T12:00:00+00:00" lineNumber="0002">
            <UnitOfMeasure>PCE</UnitOfMeasure>
        </ScheduleLine>
        <ItemOutIndustry/>
    </ItemOut>
</OrderRequest>
```

1st Order Confirmation : Line Item 1: Split Delivery Date Line Item 2: Accept as is			**Update Order confirmation : Line Item 1: Change delivery date Line Item 2: No change – Needs to be resend**		
Line Item 1			**Line Item 1**		
Delivery Date 1	50	May 12	**Delivery Date 1**	60	May 13
Delivery Date 2	50	May 15	**Delivery Date 2**	40	May 15
Line Item 2			Line Item 2		
Delivery Date 1	120	May 07	Delivery Date 1	100	May 07
Delivery Date 2	80	May 16	Delivery Date 2	100	May 16

1st Order Confirmation

```
<ConfirmationRequest>
    <ConfirmationHeader noticeDate="2020-05-05T05:42:10-07:00" type="detail" operation="new" confirmID="OC Order_Id"/>
    <OrderReference orderID="Order_Id">
        <DocumentReference payloadID=""/>
    </OrderReference>
    <ConfirmationItem quantity="100.000" lineNumber="10">
        <UnitOfMeasure>PCE</UnitOfMeasure>
        <ConfirmationStatus deliveryDate="2020-05-12T05:00:00-07:00" type="accept" quantity="50.000">
            <UnitOfMeasure>PCE</UnitOfMeasure>
        </ConfirmationStatus>
        <ConfirmationStatus deliveryDate="2020-05-15T05:00:00-07:00" type="accept" quantity="50.000">
            <UnitOfMeasure>PCE</UnitOfMeasure>
        </ConfirmationStatus>
    </ConfirmationItem>
    <ConfirmationItem quantity="200.000" lineNumber="20">
        <UnitOfMeasure>PCE</UnitOfMeasure>
        <ConfirmationStatus deliveryDate="2020-05-07T05:00:00-07:00" type="accept" quantity="120.000">
            <UnitOfMeasure>PCE</UnitOfMeasure>
        </ConfirmationStatus>
        <ConfirmationStatus deliveryDate="2020-05-16T05:00:00-07:00" type="accept" quantity="80.000">
            <UnitOfMeasure>PCE</UnitOfMeasure>
        </ConfirmationStatus>
    </ConfirmationItem>
</ConfirmationRequest>
```

Update Order Confirmation

```
<ConfirmationRequest>
    <ConfirmationHeader noticeDate="2020-05-05T05:42:10-07:00" type="detail" operation="update" confirmID="OC Order_Id"/>
    <OrderReference orderID="Order_Id">
        <DocumentReference payloadID=""/>
    </OrderReference>
    <ConfirmationItem quantity="100.000" lineNumber="10">
        <UnitOfMeasure>PCE</UnitOfMeasure>
        <ConfirmationStatus deliveryDate="2020-05-13T05:00:00-07:00" type="accept" quantity="60.000">
            <UnitOfMeasure>PCE</UnitOfMeasure>
        </ConfirmationStatus>
        <ConfirmationStatus deliveryDate="2020-05-15T05:00:00-07:00" type="accept" quantity="40.000">
            <UnitOfMeasure>PCE</UnitOfMeasure>
        </ConfirmationStatus>
    </ConfirmationItem>
    <ConfirmationItem quantity="200.000" lineNumber="20">
        <UnitOfMeasure>PCE</UnitOfMeasure>
        <ConfirmationStatus deliveryDate="2020-05-07T05:00:00-07:00" type="accept" quantity="100.000">
            <UnitOfMeasure>PCE</UnitOfMeasure>
        </ConfirmationStatus>
        <ConfirmationStatus deliveryDate="2020-05-16T05:00:00-07:00" type="accept" quantity="100.000">
            <UnitOfMeasure>PCE</UnitOfMeasure>
        </ConfirmationStatus>
    </ConfirmationItem>
</ConfirmationRequest>
```

Order Confirmation and Reconfirmation cases - at schedule-line level

- Confirmations usually include acceptance, change, merge or split of delivery dates.
- Multiple date changes can be sent using multiple Order Confirmation transmissions.

Important note : Scheduled line structure should follow the exact structure (values) from PO

Case 1

PO Sample	Quantity	Delivery Date
Line Item 1	100	May 15
Line Item 2	200	May 16

```
<OrderRequest>
    <OrderRequestHeader orderDate="2020-05-01T12:00:00+00:00" orderID="Order_Id" orderType="regular" type="new">
            <--------/>
    </OrderRequestHeader>
    <ItemOut quantity="100.000" requestedDeliveryDate="2020-05-15T12:00:00+00:00" lineNumber="10">
        <ItemID>
            <---------/>
        </ItemID>
        <ItemDetail>
            <---------/>
        </ItemDetail>
        <ScheduleLine quantity="100.000" requestedDeliveryDate="2020-05-15T12:00:00+00:00" lineNumber="0001">
            <UnitOfMeasure>PCE</UnitOfMeasure>
        </ScheduleLine>
    </ItemOut>
    <ItemOut quantity="200.000" requestedDeliveryDate="2020-05-16T12:00:00+00:00" lineNumber="20">
        <ItemID>
            <---------/>
        </ItemID>
        <ItemDetail>
            <---------/>
        </ItemDetail>
        <ScheduleLine quantity="200.000" requestedDeliveryDate="2020-05-16T12:00:00+00:00" lineNumber="0001">
            <UnitOfMeasure>PCE</UnitOfMeasure>
        </ScheduleLine>
    </ItemOut>
</OrderRequest>
```

1st Order Confirmation : Line item 1: Accept as is Line Item 2: not confirmed yet			**Update Order confirmation : Line Item 1: Split of accepted delivery date Line Item 2: Confirm the 1st date**		
Line Item 1	100	May 15	**Line Item 1**		
			Delivery Date 1	50	May 12
			Delivery Date 2	50	May 14
			Line Item 2	200	May 16

1st Order Confirmation

```
<ConfirmationRequest>
    <ConfirmationHeader noticeDate="2020-05-05T05:42:10-07:00" type="detail" operation="new" confirmID="OC Order_Id"/>
    <OrderReference orderID="Order_Id">
        <DocumentReference payloadID=""/>
    </OrderReference>
    <ConfirmationItem quantity="100.000" lineNumber="10">
        <UnitOfMeasure>PCE</UnitOfMeasure>
        <ConfirmationStatus deliveryDate="2020-05-15T05:00:00-07:00" type="accept" quantity="100.000">
            <UnitOfMeasure>PCE</UnitOfMeasure>
            <ScheduleLineReference lineNumber="0001" requestedDeliveryDate="2020-05-15T05:00:00-07:00" quantity="100.000"/>
        </ConfirmationStatus>
    </ConfirmationItem>
</ConfirmationRequest>
```

Update Order Confirmation

```
<ConfirmationRequest>
    <ConfirmationHeader noticeDate="2020-05-05T05:42:10-07:00" type="detail" operation="update" confirmID="OC Order_Id"/>
    <OrderReference orderID="Order_Id">
        <DocumentReference payloadID=""/>
    </OrderReference>
    <ConfirmationItem quantity="100.000" lineNumber="10">
        <UnitOfMeasure>PCE</UnitOfMeasure>
        <ConfirmationStatus deliveryDate="2020-05-12T05:00:00-07:00" type="accept" quantity="50.000">
            <UnitOfMeasure>PCE</UnitOfMeasure>
            <ScheduleLineReference lineNumber="0001" requestedDeliveryDate="2020-05-15T05:00:00-07:00" quantity="100.000"/>
        </ConfirmationStatus>
        <ConfirmationStatus deliveryDate="2020-05-14T05:00:00-07:00" type="accept" quantity="50.000">
            <UnitOfMeasure>PCE</UnitOfMeasure>
            <ScheduleLineReference lineNumber="0001" requestedDeliveryDate="2020-05-15T05:00:00-07:00" quantity="100.000"/>
        </ConfirmationStatus>
    </ConfirmationItem>
    <ConfirmationItem quantity="200.000" lineNumber="20">
        <UnitOfMeasure>PCE</UnitOfMeasure>
        <ConfirmationStatus deliveryDate="2020-05-16T05:00:00-07:00" type="accept" quantity="200.000">
            <UnitOfMeasure>PCE</UnitOfMeasure>
            <ScheduleLineReference lineNumber="0001" requestedDeliveryDate="2020-05-16T05:00:00-07:00" quantity="200.000"/>
        </ConfirmationStatus>
    </ConfirmationItem>
</ConfirmationRequest>
```

Case 2

PO Sample		
	Quantity	Delivery Date
Line Item 1	100	May 15
Line Item 2	200	
Schedule line 1	120	May 07
Schedule line 2	80	May 16

1st Order Confirmation : Line item 1: Accept as is Line Item 2: not confirmed yet			**Update Order confirmation : Line Item 1: Split of accepted delivery date Line Item 2: Confirm on 1 date**		
Line Item 1	100	May 15	**Line Item 1**		
			Delivery Date 1	50	May 12
			Delivery Date 1	50	May 14
			Line Item 2	200	May 16

Purchase Order


```xml
<OrderRequest>
    <OrderRequestHeader orderDate="2020-05-01T12:00:00+00:00" orderID="Order_Id" orderType="regular" type="new">
            <--------/>
    </OrderRequestHeader>
    <ItemOut quantity="100.000" requestedDeliveryDate="2020-05-15T12:00:00+00:00" lineNumber="10">
        <ItemID>
            <---------/>
        </ItemID>
        <ItemDetail>
            <---------/>
        </ItemDetail>
        <ScheduleLine quantity="100.000" requestedDeliveryDate="2020-05-15T12:00:00+00:00" lineNumber="0001">
            <UnitOfMeasure>PCE</UnitOfMeasure>
        </ScheduleLine>
    </ItemOut>
    <ItemOut quantity="200.000" requestedDeliveryDate="2020-05-16T12:00:00+00:00" lineNumber="20">
        <ItemID>
            <---------/>
        </ItemID>
        <ItemDetail>
            <---------/>
        </ItemDetail>
        <ScheduleLine quantity="120.000" requestedDeliveryDate="2020-05-07T12:00:00+00:00" lineNumber="0001">
            <UnitOfMeasure>PCE</UnitOfMeasure>
        </ScheduleLine>
        <ScheduleLine quantity="80.000" requestedDeliveryDate="2020-05-16T12:00:00+00:00" lineNumber="0002">
            <UnitOfMeasure>PCE</UnitOfMeasure>
        </ScheduleLine>
    </ItemOut>
</OrderRequest>
```


1st Order Confirmation


```xml
<ConfirmationRequest>
    <ConfirmationHeader noticeDate="2020-05-05T05:42:10-07:00" type="detail" operation="new" confirmID="OC Order_Id"/>
    <OrderReference orderID="Order_Id">
        <DocumentReference payloadID=""/>
    </OrderReference>
    <ConfirmationItem quantity="100.000" lineNumber="10">
        <UnitOfMeasure>PCE</UnitOfMeasure>
        <ConfirmationStatus deliveryDate="2020-05-15T05:00:00-07:00" type="accept" quantity="100.000">
            <UnitOfMeasure>PCE</UnitOfMeasure>
            <ScheduleLineReference lineNumber="0001" requestedDeliveryDate="2020-05-15T05:00:00-07:00" quantity="100.000"/>
        </ConfirmationStatus>
    </ConfirmationItem>
</ConfirmationRequest>
```


Update Order Confirmation


```xml
<ConfirmationRequest>
    <ConfirmationHeader noticeDate="2020-05-05T05:42:10-07:00" type="detail" operation="update" confirmID="OC Order_Id"/>
    <OrderReference orderID="Order_Id">
        <DocumentReference payloadID=""/>
    </OrderReference>
    <ConfirmationItem quantity="100.000" lineNumber="10">
        <UnitOfMeasure>PCE</UnitOfMeasure>
        <ConfirmationStatus deliveryDate="2020-05-12T05:00:00-07:00" type="accept" quantity="50.000">
            <UnitOfMeasure>PCE</UnitOfMeasure>
            <ScheduleLineReference lineNumber="0001" requestedDeliveryDate="2020-05-15T05:00:00-07:00" quantity="100.000"/>
        </ConfirmationStatus>
        <ConfirmationStatus deliveryDate="2020-05-14T05:00:00-07:00" type="accept" quantity="50.000">
            <UnitOfMeasure>PCE</UnitOfMeasure>
            <ScheduleLineReference lineNumber="0001" requestedDeliveryDate="2020-05-15T05:00:00-07:00" quantity="100.000"/>
        </ConfirmationStatus>
    </ConfirmationItem>
    <ConfirmationItem quantity="200.000" lineNumber="20">
        <UnitOfMeasure>PCE</UnitOfMeasure>
        <ConfirmationStatus deliveryDate="2020-05-16T05:00:00-07:00" type="accept" quantity="120.000">
            <UnitOfMeasure>PCE</UnitOfMeasure>
            <ScheduleLineReference lineNumber="0001" requestedDeliveryDate="2020-05-07T05:00:00-07:00" quantity="120.000"/>
        </ConfirmationStatus>
        <ConfirmationStatus deliveryDate="2020-05-16T05:00:00-07:00" type="accept" quantity="80.000">
            <UnitOfMeasure>PCE</UnitOfMeasure>
            <ScheduleLineReference lineNumber="0002" requestedDeliveryDate="2020-05-16T05:00:00-07:00" quantity="80.000"/>
        </ConfirmationStatus>
    </ConfirmationItem>
</ConfirmationRequest>
```

Case 3

PO Sample	Quantity	Delivery Date
Line Item 1	100	May 15
Line Item 2	200	
Schedule line 1	120	May 07
Schedule line 2	80	May 16

Purchase Order

```
<OrderRequest>
    <OrderRequestHeader orderDate="2020-05-01T12:00:00+00:00" orderID="Order_Id" orderType="regular" type="new">
            <--------/>
    </OrderRequestHeader>
    <ItemOut quantity="100.000" requestedDeliveryDate="2020-05-15T12:00:00+00:00" lineNumber="10">
        <ItemID>
                <---------/>
        </ItemID>
        <ItemDetail>
                <---------/>
        </ItemDetail>
        <ScheduleLine quantity="100.000" requestedDeliveryDate="2020-05-15T12:00:00+00:00" lineNumber="0001">
            <UnitOfMeasure>PCE</UnitOfMeasure>
        </ScheduleLine>
    </ItemOut>
    <ItemOut quantity="200.000" requestedDeliveryDate="2020-05-16T12:00:00+00:00" lineNumber="20">
        <ItemID>
                <---------/>
        </ItemID>
        <ItemDetail>
                <---------/>
        </ItemDetail>
        <ScheduleLine quantity="120.000" requestedDeliveryDate="2020-05-07T12:00:00+00:00" lineNumber="0001">
            <UnitOfMeasure>PCE</UnitOfMeasure>
        </ScheduleLine>
        <ScheduleLine quantity="80.000" requestedDeliveryDate="2020-05-16T12:00:00+00:00" lineNumber="0002">
            <UnitOfMeasure>PCE</UnitOfMeasure>
        </ScheduleLine>
    </ItemOut>
</OrderRequest>
```

1st Order Confirmation : Line Item 1: Split Delivery Date Line Item 2: Accept as is			Update Order confirmation : Line Item 1: Change on delivery date Line Item 2: No change – Needs to be resend		
Line Item 1			**Line Item 1**		
Delivery Date 1	50	May 13	**Delivery Date 1**	50	May 11
Delivery Date 2	50	May 15	**Delivery Date 1**	50	May 14
Line Item 2			Line Item 2		
Schedule line 1	120	May 07	Schedule line 1	120	May 07
Schedule line 2	80	May 16	Schedule line 2	80	May 16

1st Order Confirmation

```
<ConfirmationRequest>
    <ConfirmationHeader noticeDate="2020-05-05T05:42:10-07:00" type="detail" operation="new" confirmID="OC Order_Id"/>
    <OrderReference orderID="Order_Id">
        <DocumentReference payloadID=""/>
    </OrderReference>
    <ConfirmationItem quantity="100.000" lineNumber="10">
        <UnitOfMeasure>PCE</UnitOfMeasure>
        <ConfirmationStatus deliveryDate="2020-05-13T05:00:00-07:00" type="accept" quantity="50.000">
            <UnitOfMeasure>PCE</UnitOfMeasure>
            <ScheduleLineReference lineNumber="0001" requestedDeliveryDate="2020-05-15T05:00:00-07:00" quantity="100.000"/>
        </ConfirmationStatus>
        <ConfirmationStatus deliveryDate="2020-05-15T05:00:00-07:00" type="accept" quantity="50.000">
            <UnitOfMeasure>PCE</UnitOfMeasure>
            <ScheduleLineReference lineNumber="0001" requestedDeliveryDate="2020-05-15T05:00:00-07:00" quantity="100.000"/>
        </ConfirmationStatus>
    </ConfirmationItem>
    <ConfirmationItem quantity="200.000" lineNumber="20">
        <UnitOfMeasure>PCE</UnitOfMeasure>
        <ConfirmationStatus deliveryDate="2020-05-07T05:00:00-07:00" type="accept" quantity="120.000">
            <UnitOfMeasure>PCE</UnitOfMeasure>
            <ScheduleLineReference lineNumber="0001" requestedDeliveryDate="2020-05-07T05:00:00-07:00" quantity="120.000"/>
        </ConfirmationStatus>
        <ConfirmationStatus deliveryDate="2020-05-16T05:00:00-07:00" type="accept" quantity="80.000">
            <UnitOfMeasure>PCE</UnitOfMeasure>
            <ScheduleLineReference lineNumber="0002" requestedDeliveryDate="2020-05-16T05:00:00-07:00" quantity="80.000"/>
        </ConfirmationStatus>
    </ConfirmationItem>
</ConfirmationRequest>
```

Update Order Confirmation

```
<ConfirmationRequest>
    <ConfirmationHeader noticeDate="2020-05-05T05:42:10-07:00" type="detail" operation="update" confirmID="OC Order_Id"/>
    <OrderReference orderID="Order_Id">
        <DocumentReference payloadID=""/>
    </OrderReference>
    <ConfirmationItem quantity="100.000" lineNumber="10">
        <UnitOfMeasure>PCE</UnitOfMeasure>
        <ConfirmationStatus deliveryDate="2020-05-11T05:00:00-07:00" type="accept" quantity="50.000">
            <UnitOfMeasure>PCE</UnitOfMeasure>
            <ScheduleLineReference lineNumber="0001" requestedDeliveryDate="2020-05-15T05:00:00-07:00" quantity="100.000"/>
        </ConfirmationStatus>
        <ConfirmationStatus deliveryDate="2020-05-14T05:00:00-07:00" type="accept" quantity="50.000">
            <UnitOfMeasure>PCE</UnitOfMeasure>
            <ScheduleLineReference lineNumber="0001" requestedDeliveryDate="2020-05-15T05:00:00-07:00" quantity="100.000"/>
        </ConfirmationStatus>
    </ConfirmationItem>
    <ConfirmationItem quantity="200.000" lineNumber="20">
        <UnitOfMeasure>PCE</UnitOfMeasure>
        <ConfirmationStatus deliveryDate="2020-05-07T05:00:00-07:00" type="accept" quantity="120.000">
            <UnitOfMeasure>PCE</UnitOfMeasure>
            <ScheduleLineReference lineNumber="0001" requestedDeliveryDate="2020-05-07T05:00:00-07:00" quantity="120.000"/>
        </ConfirmationStatus>
        <ConfirmationStatus deliveryDate="2020-05-16T05:00:00-07:00" type="accept" quantity="80.000">
            <UnitOfMeasure>PCE</UnitOfMeasure>
            <ScheduleLineReference lineNumber="0002" requestedDeliveryDate="2020-05-16T05:00:00-07:00" quantity="80.000"/>
        </ConfirmationStatus>
    </ConfirmationItem>
</ConfirmationRequest>
```

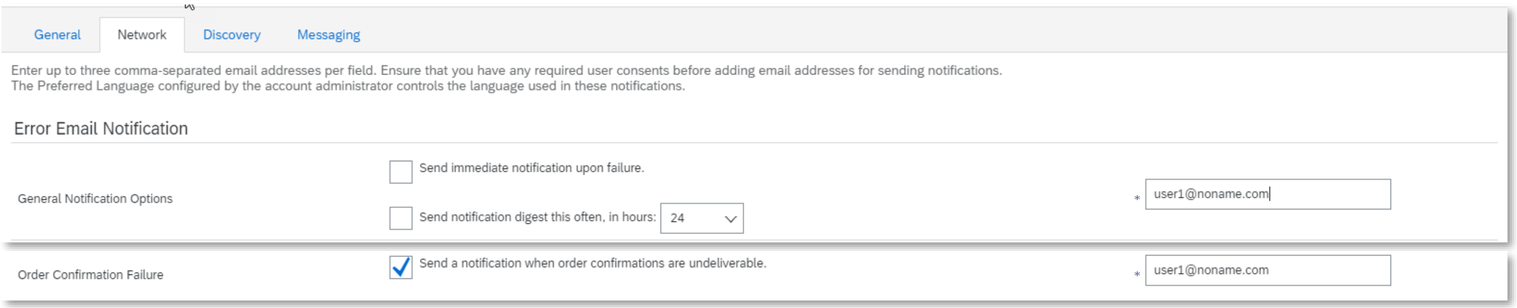
Order confirmation general rules:

- An Order Confirmation can only include items belonging to the same Purchase Order. (The message only allows to refer to a single Purchase Order number)
  The Purchase Order Id should be included in the Order Confirmation message :

```
<OrderReference orderID="Purchase_Order_Id">
```

- If a supplier has started generating Order Confirmations from his ERP, these Order Confirmations can't be edited from SAP Business Network.
  Similarly, if an Order Confirmation is initially created from SAP Business Network subsequent Order Confirmations coming from a supplier ERP will not be accepted by SAP Business Network.

- If an Order Confirmation message gets blocked in error on SAP Business Network, it will not reach Buyer ERP. Rejection details can be found on the Ariba *SAP Integration Suite, Managed Gateway for Spend Management and SAP Business Network** Transaction Tracker and could be checked and also received with the Status Update Request Message
  If an Order Confirmation failed due to a wrong value send by the supplier, which means Order Confirmation is rejected by business rules, then it's possible to set up the following notification in SAP Business Network to receive it by email



**** SAP Integration Suite, Managed Gateway for Spend Management and SAP Business Network** hereafter referred to as **Managed Gateway for Spend&Network***

Order confirmation Header

An Order Confirmation is always linked to a unique Purchase Order, and a Purchase Order can be confirmed several times (if it's allow by rule in SAP Business Network Portal)

The Order confirmation Header indicates if the Purchase Order is confirmed for the first time or if previous Order Confirmation has been sent :

<ConfirmationHeader> operation must equal :
- "new" for the first Order Confirmation sent against a Purchase Order
- "update" or the following ones

```
<ConfirmationHeader noticeDate="2020-09-25T05:15:15-07:00" type="detail" operation="new" confirmID="Order_Confirmation_Id"/>
```

❑ **Summary of the rules on the "operation" attribute:**

- The operation attribute with a "new" value is only used when one or more lines are confirmed for the first time.
If an Order confirmation with the operation attribute with a "new" value is sent against a Purchase Order already confirmed or partially confirmed is going to fail.

- The operation attribute with an "update" value in used when at least one of the line of the Purchase Order has already been confirmed.
Confirming with "update" requires that all previously confirmed lines are included again in the Order Confirmation. In this case it may happen that an OC line confirms a delivery date in the past which could not be accepted by SAP Business Network (depending if the buyer has set up a rule to allowed it or not).

❑ **Example:**

Sequence of messages	PO	1st Order Confirmation	2nd Order Confirmation	3rd Order Confirmation
	New PO sent with 4 lines	Confirmation of line 1 and 2	Confirmation of line 3 and 4	New delivery date confirmed for Line 4
Operation value		new	update	update
Lines included in the message	Line 1	**Line 1**	Line 1	Line1
	Line 2	**Line 2**	Line 2	Line 2
	Line 3		**Line 3**	Line 3
	Line 4		**Line 4**	**Line 4**

Reconfirmation of a Purchase Order :

- A Purchase Order can be reconfirmed several times for different reasons:
  - It can be a reconfirmation initiated by the supplier due to a change in the delivery date, price, quantities (depending of what is allowed by the buyer by the control Keys or rules set up in SAP Business Network)
  - It can also be a reconfirmation needed following a Change Purchase Order sent by the buyer.
    Although the last PO version received by the supplier reflects exactly a previously sent confirmation, another confirmation could be required depending on Buyer requirement

SAP Business Network portal will store the history of all confirmations made for each PO line.

By reconfirming an Purchase Order, the supplier could have to confirm date in the past. Then, it's recommended delivery dates in the past to be accepted by the buyer

Reconfirmation initiated by a supplier:

In this case, logic for the operation has to follow the one, that has been described in the slide « Order confirmation Header »

Reconfirmation due to a change Order sent by the Buyer:

In this case, logic to follow for the Order Confirmation header depends on the rule « **Retain confirmation status for unchanged line items on change orders** » :

If this rule is unchecked :

The confirmation status of items on a previous order is not retained. Then each time when there is a change PO, the supplier will have to use OC "new" for the first confirmation against the same version

	Message	OC operation attribute	Message content			Comment
Step 1	PO1		PO Line 1	PO Line 2	PO Line 3	
Step 2	OC1	New	**PO Line 1**	**PO Line 2**	**PO Line 3**	Confirmation of all 3 lines.
Step 3	OC2	Update	PO Line 1	PO Line 2	**PO Line 3**	Reconfirmation for line 3 with a new delivery date. Line 1 and line 2 have to be included again.
Step 4	PO1 update		PO Line 1	PO Line 2	PO Line 3	Changes made on line 1
Step 5	OC3	New	**PO Line 1**	**PO Line 2**	**PO Line 3**	OC has to be sent as new. Sending the OC as update will fail as all statuses were reset by the new PO version

➢ *If the rule « Retain confirmation status for unchanged line items on change orders » is checked :*

- The confirmation status of unchanged line items on a previous order is retained on a subsequent change order.
- The confirmation status of changed line items is not retained in case of one of the following segment is changed in the Change Order

Section	Field
Line Item	• Quantity • Requested Delivery Date • Unit Price • Supplier Part ID • Auxiliary Part Number • Estimated Delivery Date • Description • Unit of Measure • Price Basis Quantity (Price Unit, Unit Conversion, and Price Unit Quantity) • Ship Date • Buyer Part Number • Manufacturer Part ID • Manufacturer Name
Schedule Lines	• *[Schedule line added]* • *[Schedule line removed]* • Quantity • Requested Delivery Date • Unit of Measure

- When this rule is checked, the confirmation status is also retained for any line item that has a rejected quantity (full or partial).

Below you will find the different behavior when "Retain confirmation status for unchanged line items on change orders" is active

Notes : A comparison between the PO versions must be performed on supplier side unless there is an indicator build by the buyer in the PO (if such indicator exists, it's described in Delta samples provides with the Integration Guidelines)

Reconfirmation Logic of a Purchase Order with “Retain confirmation status for unchanged line items on change orders” checked

		Message	OC operation attribute	Message content			Comment
Case 1	Step 1	PO1		PO Line 1	PO Line 2	PO Line 3	
	Step 2	OC1	new	**PO Line 1**	**PO Line 2**	**PO Line 3**	Confirmation of all 3 lines.
	Step 3	OC2	update	PO Line 1	PO Line 2	**PO Line 3**	Reconfirmation for line 3 with a new delivery date. Line 1 and line 2 have to be included again.
	Step 4	PO1 update		PO Line 1	PO Line 2	PO Line 3	Changes made on lines 1, 2, 3 (on one of the key fields) is causing the confirmation status to be reset on all 3 lines
	Step 5	OC3	new	**PO Line 1**	**PO Line 2**	**PO Line 3**	OC has to be sent as new. Sending the OC as update will fail as all statuses were reset by the new PO version
Case 2	Step 1	PO1		PO Line 1	PO Line 2	PO Line 3	
	Step 2	OC1	new	**PO Line 1**	**PO Line 2**	**PO Line 3**	Confirmation of all 3 lines.
	Step 3	PO1 update		PO Line 1	PO Line 2	PO Line 3	Changes made on lines 1, 2, 3 (on a non key field like comments, or incoterms) is causing the confirmation status to remain the same
	Step 4	OC2	update	PO Line 1	**PO Line 2**	PO Line 3	Supplier would like to modify some information in the OC regarding Line 2. OC has to be sent as update as the confirmation status was not reset
Case 3	Step 1	PO1		PO Line 1	PO Line 2		
	Step 2	OC1	new	**PO Line 1**			Confirmation of line 1 only
	Step 3	PO1 update			PO Line 2		PO line 1 is deleted. No change in PO line 2
	Step 4	OC2	new		**PO Line 2**		Confirmation of line 2
Case 4	Step 1	PO1		PO Line 1	PO Line 2		
	Step 2	OC1	new	**PO Line 1**	**PO Line 2**		Confirmation of all 2 lines
	Step 3	PO1 update			PO Line 2	PO Line 3	PO line 1 is deleted. No change in PO line 2. PO line 3 is added
	Step 4	OC2	update		PO Line 2	**PO Line 3**	Confirmation of line 3. Line 2 has to be included again
Case 5	Step 1	PO1		PO Line 1	PO Line 2	PO Line 3	
	Step 2	OC1	new	PO Line 1			Confirmation of only one line
	Step 3	OC2	update	PO Line 1	**PO Line 2**		Confirmation of line 2. Line 1 is included again
	Step 4	OC2	update	PO Line 1	PO Line 2	**PO Line 3**	Confirmation of line 3. Line 1,2 are included again

Confirmation

- It’s very important to align and understand the complexity of the confirmation process.

Depending of the « header Statuts », « Item Level Status » are possible or not.
And following « Item Level Status”, « delivery date » is required, mandatory or not, allowed to be includued, and then ItemIn detail are required or not

- On the 2 following slides, the tables are basically covering most of the scenarios valid for integrated vendors for OC process :

    - ✓ *Table 1 :* General Case
    - ✓ *Table 2 :* With Type “allDetail” sent at header level (the possibility to send “allDetail” at header level as to be confirmed with your buyer)

Order confirmation scenarios (confirmationRequest)

	Supplier Action	Confirmation Header Status	Item Level Status	Delivery date	Item Section
Accept	Accepted without any change	accept	1. accept (Mandatory if delivery date required in the rules for the OC) 2. No line item	1. Yes, Mandatory if delivery date required in the rules for the OC 2. n/a	No
Confirm	Confirmed with changes to the delivery date	detail	accept	Mandatory	No
		detail	detail	Mandatory	Not mandatory unless if required by Buyer’s ERP
	Confirm with changes to the quantity (within tolerance)	detail	accept	Mandatory if delivery date required in the rules for the OC	No
		detail	detail	Mandatory if delivery date required in the rules for the OC	Not mandatory unless required by Buyer’s ERP
		Remaining quantity not confirmed between confirmed and requested quantity	unknown / reject	No	Not mandatory unless required by Buyer’s ERP
			backordered	Mandatory if delivery date required in the rules for the OC	Not mandatory unless required by Buyer’s ERP
	Confirm with changes to the price (within tolerance)	detail	detail	Mandatory if delivery date required in the rules for the OC	Mandatory
Reject	Reject full PO	reject	1. reject 2. No line item	1. No, deliveryDate should not be included 2. n/a	No
	Reject at line level	detail	reject	No, deliveryDate should not be included	No

Order confirmation scenarios (confirmationRequest)

With Type “allDetail” sent at header level

	Supplier Action	Confirmation Header Status	Item Level Status	Delivery date	Item Section
Confirm with or without changes	Confirmed with or without changes to the delivery date	allDetail	accept	Mandatory if delivery date required in the rules for the OC	Mandatory
		allDdetail	allDetail	Mandatory if delivery date required in the rules for the OC	Mandatory
	Confirmed with or without changes to the delivery date	allDetail	accept	Mandatory	Mandatory
		allDetail	allDetail	Mandatory	Mandatory
	Confirm with changes to the quantity (within tolerance)	allDetail	accept	Mandatory	Mandatory
		allDetail	allDetail	Mandatory	Mandatory
		Remaining quantity not confirmed between confirmed and requested quantity	unknown / reject	No	Mandatory for reject
			backordered	Mandatory	Mandatory
	Confirm with changes to the price (within tolerance)	allDetail	allDetail	Mandatory	Mandatory
Reject	Reject at line level	allDetail	reject	No	Mandatory

Tolerances – Control Keys

Orders might contain **Control Keys**
When Control Keys are provided in the Purchase Order, they overwrite rules enabled in SAP Business Network Portal

There are a few exceptions, for example:

- If OCInstruction =“allowed” but rule “Require suppliers to fully confirm line items before fulfillment” is checked, then OC is required before ASN, INV, etc.
- If OCInstruction =“allowed”, but rule “Require suppliers to create an order confirmation before creating a ship notice” is checked, then OC is required before ASN.

In these cases OC is mandatory

The Control Keys section provides:

- ✓ Instructions on whether the supplier should send an Order Confirmation
- ✓ Tolerances allowed by the Buyer in the supplier Order confirmation on Price, Quantity or Date

This is important to be taken into account by the suppliers to send back an Order Confirmation.

If Quantity, Price or Date is confirmed outside values allowed be Control Keys or by the rules set up in SAP Business Network Portal, Order Confirmation will be rejected by SAP Business Network Portal and will have Status “failed” in Managed Gateway for Spend&Network.

Buyer can require to confirm at Schedule line level and apply tolerances on Schedule lines

Control Keys:

```
<ControlKeys>
    <OCInstruction value="allowed">
        <Lower>
            <Tolerances>
                <QuantityTolerance>
                    <Percentage percent="10.0"/>
                </QuantityTolerance>
            </Tolerances>
        </Lower>
        <Upper>
            <Tolerances>
                <QuantityTolerance>
                    <Percentage percent="10.0"/>
                </QuantityTolerance>
            </Tolerances>
        </Upper>
    </OCInstruction>
    <InvoiceInstruction/>
</ControlKeys>
```

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