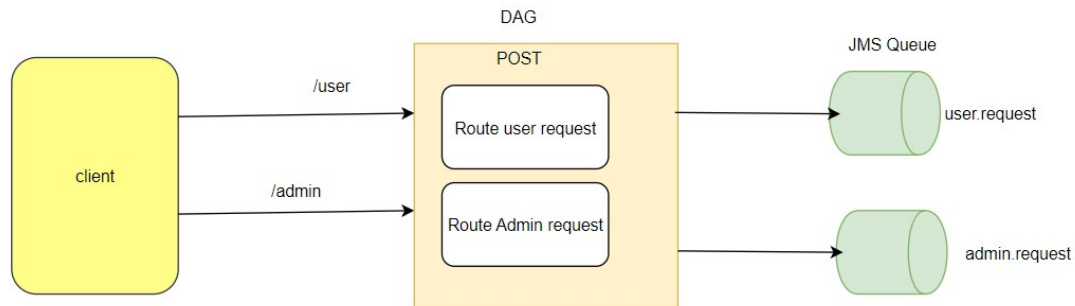


# ModifyUserOrder



## Integration Flow

- Rest DSL will be used for exposing the service as REST API. The request for the service comes to the exposed RESTConsumerRoute.
- After receiving the request, the service will call Business Route.
- Then it validates the message and if validation fails, a corresponding error message is communicated to the consumer else the message is transformed as per the backend specification mappings.
- Once the transformation is done, next it moves to the invocation of the target service.
- It transforms the inbound request to its corresponding outbound.

## Integration Mechanism

Source	Target	Communication	Message Format	Message Exchange Pattern
Channels <b>/user</b>	DAG : modifyUserOrder	REST	JSON	Synchronous request-response
DAG : modifyUserOrder	JMS Queue user.request	XML over JMS	XML	Asynchronous request-response
Channels <b>/admin</b>	DAG : modifyUserOrder	REST	JSON	Synchronous request-response
DAG : modifyUserOrder	JMS Queue Admin.request	XML over JMS	XML	Asynchronous request-response

# Interface Service Design

## Flow Details

<b>Flow Name</b>	DAG : modifyUserOrder
<b>MEP</b>	Asynchronous request-response
<b>Source application Triggering Event</b>	REST web service
<b>Operation (Create, Delete, Update etc.)</b>	POST
<b>Route 1 JMS Queue</b>	user.request
<b>Route 2 JMS Queue</b>	admin.request
<b>Protocol</b>	HTTP and JMS

## Service Details

Service will be built in Camel3 using JAVA DSL. It will receive the request for modifyUserOrder details from client in JSON format and then transform into the XML format and send to the Outbound system(JMS Queue).

<b>Service Implementation</b>	Camel 3
<b>Service Name</b>	modifyUserOrder
<b>Service Type</b>	Camel context
<b>Service URL for user</b>	<a href="http://ip:port/DAG/int/orderingManagement/v1/modifyUsersOrder/user">http://ip:port/DAG/int/orderingManagement/v1/modifyUsersOrder/user</a>
<b>Service URL for admin</b>	<a href="http://ip:port/DAG/int/orderingManagement/v1/modifyUsersOrder/admin">http://ip:port/DAG/int/orderingManagement/v1/modifyUsersOrder/admin</a>

### Request/Response Common Headers

Headers	M/O	Description/Sample Values
X-Correlation-Id	O	GUID is a unique id received from the channel. If the channel not sends, then this is generated by the service.
X-Request-Id	M	Unique message-id received in Request
X-Source-System-Id	M	Channel that executed this service call. Used for tracking purposes. Eg: MSA, ECOMM
X-Transaction-Id		Generated at the DAG layer. To be passed to the backend as the request header.

### Request Parameters

Parent Element	SubElement	SubChildElement	Type	M/O	Length
orderType			String	M	100
userId			String	M	6
subscriberId			String	M	24
orderId			String	M	12
msisdn			String	O	64
imsi			String	O	20
iccid			String	O	20
staffIdAmb			String	O	80
smsNotifySettingsFlag			Boolean	O	
relatedParty[0]			List	O	
	@referredType		String	M	
	id		String	M	24
languageAbility[0]			List	O	

	languageCode		String	M	10
lifecycleInfo[0]			List	O	
	expiry		String	O	14
	state		String	O	5
	<b>reason</b>		String	O	5
partyCharacteristic[ n ]			List	O	
	name		String	O	64
	value		String	O	256
creditLimit			Object	O	
	value		Decimal	O	10
	threshold		String	O	2
thirdProxyParty			Object	O	
	name		String	M	192
	relationship		String	O	2
	individualIdentification[ 0 ]		List	O	
		identificationType	String	O	10
		identificationId	String	O	64
payment				O	
	paymentCollectionList[ n ]		List	O	
		channelId	String	O	10
		branchCode	String	O	20
	paymentMethodDetails		Object	M	
		paymentMethod	String	M	10

		paymentAmount	Decimal	O	10
		bankCode	String	O	8
		bankName	String	O	64
		cardType	String	O	4
		cardNumber	String	O	20
		chequeNumber	String	O	20
		remarks	String	O	64

## User Json request:

POST DAG/int/orderingManagement/v1/modifyUsersOrder/user

Content-Type: application/json

X-Request-Id: CRMReqId1

X-Source-System-Id: CRM

```
{
  "orderType": "MODIFY_SUBSCRIBER_PARAMETERS",
  "userId": "xxxx",
  "subscriberId": "313324445",
  "orderType": "XXXXXXX",
  "msisdn": "XXXXXXXXXXXXXXXXXXXXXXXXXXXX",
  "imsi": "XXXXXXXXXX",
  "iccid": "XXXXXXXXXX",
  "staffIdAmb": "XXXXXXX",
  "smsNotifySettingsFlag": true,
  "relatedParty": [
    {
      "@referredType": "Customer",
      "id": "9522"
    }
  ],
  "languageAbility": [
    {
      "languageCode": "4"
    }
  ],
  "lifecycleInfo": [
    {
      "expiry": "expiry Date of the Subscriber",
      "state": "B01",
      "reason": "RES"
    }
  ]
}
```

```
],
"partyCharacteristic": [
  {
    "name": "subscriberSegment",
    "value": "3"
  },
  {
    "name": "isPendingQApproved",
    "value": "XX"
  },
  {
    "name": "remark",
    "value": "XX"
  },
  {
    "name": "salesmanCode",
    "value": "SCode001"
  },
  {
    "name": "dealerCode",
    "value": "KA001-J0015"
  },
  {
    "name": "userId",
    "value": "USER001"
  }
],
"creditLimit": {
  "value": "1000",
  "threshold": "10"
},
"thirdProxyParty": {
  "name": "PK KUMar",
  "relationship": "PARENTS",
  "individualIdentification": [
    {
      "identificationType": "NRIC",
      "identificationId": "840401045157"
    }
  ]
},
"payment": {
  "paymentCollectionList": [
    {
      "channelId": "898933",
      "branchCode": "2323",
      "paymentMethodDetails": {
        "paymentMethod": "string",
        "paymentAmount": 9999999999,
        "bankCode": "string",
        "bankName": "string",

```

```

    "cardType": "string",
    "cardNumber": "string",
    "chequeNumber": "string",
    "remarks": "string"
  }
}
]
}
}

```

## Admin Request

Parent Element	SubElement	SubChildElement	Type	M/O	Length
adminId			String	M	12
feesList[n]			List	O	
	feeType		String	M	21
	feeItemCode		String	O	10
	feeAmount		Decimal	O	10
	originalFeeAmount		Decimal	O	10
	discountAmount		Decimal	O	10
	waive		Object	O	
		manualWaiveAmount	Decimal	O	10
		waiveReason	String	O	192
	resource		Object	O	
		resourceModelId	String	O	64
		resourceType	String	O	24
		resourceCode	String	O	24
	offerId		String	O	10
	paymentType		String	O	1
	taxInfoList[ n ]		List	O	

		taxCode	String	O	10
		taxName	String	O	64
		taxAmount	Decimal	O	10

#### Admin JSON Request

POST DAG/int/orderingManagement/v1/modifyUsersOrder/admin

Content-Type: application/json

X-Request-Id: BRMReqId1

X-Source-System-Id: BRM

```
{
  "adminId": "xxx",
  "feesList": [
    {
      "feeType": "HDL",
      "feeItemCode": "string",
      "feeAmount": 0,
      "originalFeeAmount": 0,
      "discountAmount": 0,
      "chargeToAccountFlag": "1",
      "waive": {
        "manualWaiveAmount": 0,
        "waiveReason": "string"
      },
      "resource": {
        "resourceModelId": "string",
        "resourceType": "string",
        "resourceCode": "string"
      },
      "offerId": "XXX",
      "paymentType": "CASH",
      "taxInfoList": [
        {
          "taxCode": "string",
          "taxName": "string",
          "taxAmount": 10
        }
      ]
    }
  ]
}
```



**Synchronous Acknowledgement**

1202 Accepted

2X-Transaction-Id : 78478757057

## Internal Mapping Information

Please note that the below nomenclature is followed to define the mapping sheet.

**v:** Request from consumer **x:** Request to JMS

DAG_admin/user.Request	User/admin XML Request Header
X-Correlation-Id	x.ModifySubscriberRequest.AccessSessionRequest.accessChannel
X-Request-Id	x.ModifySubscriberRequest.AccessSessionRequest.operatorCode
X-Source-System-Id	x.ModifySubscriberRequest.AccessSessionRequest.password
X-Transaction-Id	x.ModifySubscriberRequest.AccessSessionRequest.transactionId
DAG User Request	JMS XML Request
orderType	x.InboundOrderModifySubscriberInfoRequest.orderTypeCode
userId	x.InboundOrderModifySubscriberInfoRequest.userId
v.subscriberId	x.InboundOrderModifySubscriberInfoRequest.SubscriberInfo.subscriberId
v.relatedParty[@referredType="Customer"].id	x.InboundOrderModifySubscriberInfoRequest.SubscriberInfo.customerId
v.imsi	x.InboundOrderModifySubscriberInfoRequest.SubscriberInfo.imsi

v.msisdn	x.InboundOrderModifySubscriberInfoRequest .SubscriberInfo.msisdn
v.iccid	x.InboundOrderModifySubscriberInfoRequest .SubscriberInfo.iccid
v.languageAbility[0].languageCode	x.InboundOrderModifySubscriberInfoRequest .SubscriberInfo.subscriberLanguage
v.partyCharacteristic[@name="subscriberSegment"].value	x.InboundOrderModifySubscriberInfoRequest .SubscriberInfo.subscriberSegment
v.lifecycleInfo[0].state	x.InboundOrderModifySubscriberInfoRequest .SubscriberInfo.subscriberStatus
v.lifecycleInfo[0].expiry	x.InboundOrderModifySubscriberInfoRequest .SubscriberInfo.expiryDate
v.lifecycleInfo[0].reason	x.InboundOrderModifySubscriberInfoRequest .SubscriberInfo. <u>reason</u>
v.creditLimit.value	x.InboundOrderModifySubscriberInfoRequest .SubscriberInfo.finalCLQuota
v.creditLimit.threshold	x.InboundOrderModifySubscriberInfoRequest .SubscriberInfo.creditLimitNotifyPercentages
v.smsNotifySettingsFlag	x.InboundOrderModifySubscriberInfoRequest .SubscriberInfo.smsNotifyopenFlag
v.billType	x.InboundOrderModifySubscriberInfoRequest .SubscriberInfo.billType
v.staffIdAmb	x.InboundOrderModifySubscriberInfoRequest .SubscriberInfo.staffIdAmb
v.partyCharacteristic[@name="isPendingQApproved"].value	x.InboundOrderModifySubscriberInfoRequest .TransactionCommonInfo[0].isPendingQApproved
v.partyCharacteristic[@name="remark"].value	x.InboundOrderModifySubscriberInfoRequest .TransactionCommonInfo[0].remark
v.partyCharacteristic[@name="dealerCode"].value	x.InboundOrderModifySubscriberInfoRequest .TransactionCommonInfo[0].dealerCode

v.partyCharacteristic[@name="userId"].value	x.InboundOrderModifySubscriberInfoRequest.TransactionCommonInfo[0].userId
v.partyCharacteristic[@name="salesmanCode"].value	x.InboundOrderModifySubscriberInfoRequest.TransactionCommonInfo[0].salesmanCode
v.thirdProxyParty.name	x.InboundOrderModifySubscriberInfoRequest.ThirdPartyProxyInfo[0].name
v.thirdProxyParty.relationship	x.InboundOrderModifySubscriberInfoRequest.ThirdPartyProxyInfo[0].relationship
v.thirdProxyParty.individualIdentification[0].identificationType	x.InboundOrderModifySubscriberInfoRequest.ThirdPartyProxyInfo[0].idType
v.thirdProxyParty.individualIdentification[0].identificationId	x.InboundOrderModifySubscriberInfoRequest.ThirdPartyProxyInfo.idNumber
v.payment.paymentCollectionList[n].channelId	x.InboundOrderModifySubscriberInfoRequest.PaymentCollectionInfos[n].channelId
v.payment.paymentCollectionList[n].branchCode	x.InboundOrderModifySubscriberInfoRequest.PaymentCollectionInfos[n].branchCode
v.msisdn	x.InboundOrderModifySubscriberInfoRequest.PaymentCollectionInfos[n].msisdn
v.payment.paymentCollectionList[n].paymentMethodDetails.paymentMethod	x.InboundOrderModifySubscriberInfoRequest.PaymentDetailsInfos[n].paymentMethod
v.payment.paymentCollectionList[n].paymentMethodDetails.paymentAmount	x.InboundOrderModifySubscriberInfoRequest.PaymentDetailsInfos[n].feeAmt
v.payment.paymentCollectionList[n].paymentMethodDetails.bankCode	x.InboundOrderModifySubscriberInfoRequest.PaymentDetailsInfos[n].bankCode
v.payment.paymentCollectionList[n].paymentMethodDetails.bankName	x.InboundOrderModifySubscriberInfoRequest.PaymentDetailsInfos[n].bankName
v.payment.paymentCollectionList[n].paymentMethodDetails.cardType	x.InboundOrderModifySubscriberInfoRequest.PaymentDetailsInfos[n].cardType
v.payment.paymentCollectionList[n].p	x.InboundOrderModifySubscriberInfoRequest

aymentMethodDetails.cardNumber	.PaymentDetailsInfos[n].cardNo
v.payment.paymentCollectionList[n].paymentMethodDetails.chequeNumber	x.InboundOrderModifySubscriberInfoRequest.PaymentDetailsInfos[n].chequeNo
v.payment.paymentCollectionList[n].paymentMethodDetails.remarks	x.InboundOrderModifySubscriberInfoRequest.PaymentDetailsInfos[n].additionalRemark
DAG Admin Request	JMS XML Request
v.adminId	x.InboundAdminOrderInfoRequest.SubscriberInfo.adminId
v.feesList[n].feeType	x.InboundAdminOrderInfoRequest.SubscriberInfo.FeeInfo[n].feeType
v.feesList[n].feeItemCode	x.InboundAdminOrderInfoRequest.SubscriberInfo.FeeInfo[n].feeItemCode
v.feesList[n].feeAmount	x.InboundAdminOrderInfoRequest.SubscriberInfo.FeeInfo[n].feeAmt
v.feesList[n].originalFeeAmount	x.InboundAdminOrderInfoRequest.SubscriberInfo.FeeInfo[n].originalFeeAmt
v.feesList[n].discountAmount	x.InboundAdminOrderInfoRequest.SubscriberInfo.FeeInfo[n].discountAmt
v.feesList[n].waive.manualWaiveAmount	x.InboundAdminOrderInfoRequest.SubscriberInfo.FeeInfo[n].manualWaiveAmt
v.feesList[n].waive.waiveReason	x.InboundAdminOrderInfoRequest.SubscriberInfo.FeeInfo[n].waiveReason
v.feesList[n].chargeToAccountFlag	x.InboundAdminOrderInfoRequest.SubscriberInfo.FeeInfo[n].chargeToAccount
v.feesList[n].resource.resourceModelId	x.InboundAdminOrderInfoRequest.SubscriberInfo.FeeInfo[n].resModelId
v.feesList[n].resource.resourceType	x.InboundAdminOrderInfoRequest.SubscriberInfo.FeeInfo[n].resType
v.feesList[n].resource.resourceCode	x.InboundAdminOrderInfoRequest.SubscriberInfo.FeeInfo[n].resCode

v.feesList[n].offerId	x.InboundAdminOrderInfoRequest.SubscriberInfo.FeeInfo[n].offerId
v.feesList[n].paymentType	x.InboundAdminOrderInfoRequest.SubscriberInfo.FeeInfo[n].payType
v.feesList[n].taxInfoList[0].taxCode	x.InboundAdminOrderInfoRequest.SubscriberInfo.FeeInfo[n].taxCode
v.feesList[n].taxInfoList[0].taxName	x.InboundAdminOrderInfoRequest.SubscriberInfo.FeeInfo[n].taxName
v.feesList[n].taxInfoList[0].taxAmount	x.InboundAdminOrderInfoRequest.SubscriberInfo.FeeInfo[n].taxAmt

### User XML sample

```
<?xml version="1.0" encoding="UTF-8"?>
  <InboundUserOrder>
    <InboundOrderModifySubscriberInfoRequest>
      <orderTypeCode>MODIFY_SUBSCRIBER_PARAMETERS</orderTypeCode>
      <userId>123232</userId>
      <SubscriberInfo>
        <subscriberId>10030399</subscriberId>
        <customerId>10430399</customerId>
        <imsi>10430399</imsi>
        <msisdn></msisdn>
        <iccid></iccid>
        <subscriberLanguage></subscriberLanguage>
        <subscriberSegment></subscriberSegment>
        <subscriberStatus>B01</subscriberStatus>
        <reason></reason>
        <expiryDate></expiryDate>
        <smsNotifyeventType></smsNotifyeventType>
        <finalCLQuota></finalCLQuota>
        <creditLimitNotifyPercentages></creditLimitNotifyPercentages>
        <billType></billType>
        <staffIdAmb></staffIdAmb>
      </SubscriberInfo>
      <TransactionCommonInfo>
        <isPendingQApproved></isPendingQApproved>
        <remark></remark>
      </TransactionCommonInfo>
      <dealerCode></dealerCode>
      <userId></userId>
    </InboundOrderModifySubscriberInfoRequest>
  </InboundUserOrder>
</xml>
```

```

    <salesmanCode></salesmanCode>
  <ThirdPartyProxyInfo>
    <name></name>
    <idType></idType>
    <idNumber></idNumber>
    <relationship></relationship>
  </ThirdPartyProxyInfo>
    <PaymentCollectionInfos>
      <channelId></channelId>
      <branchCode></branchCode>
    </PaymentCollectionInfos>
    <PaymentDetailsInfos>
      <paymentMethod></paymentMethod>
      <feeAmt></feeAmt>
      <bankCode></bankCode>
      <bankName></bankName>
      <cardType></cardType>
      <cardNo></cardNo>
      <chequeNo></chequeNo>
      <additionalRemark></additionalRemark>
    </PaymentDetailsInfos>
  </InboundOrderModifySubscriberInfoRequest>
</ InboundUserOrder >

```

## Admin XML Sample

```

<?xml version="1.0" encoding="UTF-8"?>
<InboundAdminOrder>
  <InboundAdminOrderInfoRequest>
    <adminId>1444124124</adminId>
    <FeeInfo>
      <feeType>OCC</feeType>
      <feeItemCode>600001</feeItemCode>
      <feeAmt>200</feeAmt>
      <originalFeeAmt>200</originalFeeAmt>
      <discountAmt>0</discountAmt>
      <manualWaiveAmt>0</manualWaiveAmt>
      <waiveReason/>
      <resModelId/>
      <resType/>
      <resCode/>
      <offerId/>
      <payType>1</payType>
      <taxList>
        <taxCode>ZRL</taxCode>
      </taxList>
    </FeeInfo>
  </InboundAdminOrderInfoRequest>
</InboundAdminOrder>

```

```

        <taxName>Zero rated local</taxName>
        <taxAmt>10</taxAmt>
    </taxList>
</FeeInfo>
</InboundAdminOrderInfoRequest>
</InboundAdminOrder>

```

## Business Fault

For any failures related to business validation faults, the response will be returned to the calling API and service processing will be aborted. Common Auditing will be called and error Event will be raised by the Service in all kinds of error scenarios

Target Error Code	Target Component	HTTP Code	Exception Type	Reference Error Code	Reference Error Desc	Additional Info
EX00000	ESB	500	Unknown	00000	Unknown Error	Exception happened while processing the request
EX00001	ESB	500	Technical	00001	Connection Error	Exception happened while processing the request
EX00002	ESB	500	Technical	00002	Internal Error	Exception happened while processing the request
EX00003	ESB	400	Technical	00003	Validation error	Exception happened while processing the request

