Beneficiaries and utilities

List Available billers

Rest service:

Methods (-X): GET

URL: http://10.10.150.22:8281/billers/list-billers

Response

```
<biller xmlns="http://ws.wso2.org/dataservice/readBillers">
    <billerList>
        <MsgBody>
            <RecCount>2</RecCount>
            <SystemMarketing>
                <EnImg>http://www.asd.asd/asd.jpg</EnImg>
                <ArImg>http://www.asd.asd/asd.jpg</ArImg>
            </SystemMarketing>
            <BillersRec>
                <BillerRec>
                    <BillerInfo>
                        <Code>3</Code>
                        <StmtBankCode>2</StmtBankCode>
                        <Website>www.oman.com</Website>
                        <Email>walkofahi@madfooat.com</Email>
                        <Phone>+96898934420</Phone>
                    </BillerInfo>
                    <BillerName>
                        <EnShortName>ONEIC</EnShortName>
                        <ArShortName>اونيك</ArShortName>
                        <EnName>ONEIC</EnName>
                        <ArName>الشركه الوطنيه العمانيه للهندسه
والاستثمار</ArName>
                    </BillerName>
                    <BillerMarketing>

<EnLogo>https://cdn1.imggmi.com/uploads/2019/4/8/c9d1c867908d548b0f4aa5fdb0
ff2dda-full.jpg</EnLogo>
                    </BillerMarketing>
                    <BillerCategory>
                        <EnShortName>UTIL</EnShortName>
                        <ArShortName>أدوات</ArShortName>
                        <EnName>Utility</EnName>
                        <ArName>أدوات</ArName>
                    </BillerCategory>
                    <BillerServices>
```

```xml
                            <BillerService>
                                <ServiceInfo>
                                    <Code>30966</Code>
                                    <Type>Electricity</Type>
                                    <EnShortDesc>Electricity</EnShortDesc>
                                    <ArShortDesc>كهرباء</ArShortDesc>
                                    <EnDesc>Electricity</EnDesc>
                                    <ArDesc>كهرباء</ArDesc>
                                    <PaymentType>Postpaid</PaymentType>
                                </ServiceInfo>
                                <BillingInfo>
                                    <EnShortDesc>Subscription
number</EnShortDesc>

                                    <ArShortDesc>رقم الاشتراك</ArShortDesc>
                                    <EnDesc>Enter subscription number</EnDesc>
                                    <ArDesc>ادخل رقم الاشتراك</ArDesc>
                                </BillingInfo>
                            </BillerService>
                            <BillerService>
                                <ServiceInfo>
                                    <Code>30999</Code>
                                    <Type>Water</Type>
                                    <EnShortDesc>water</EnShortDesc>
                                    <ArShortDesc>مياه</ArShortDesc>
                                    <EnDesc>water</EnDesc>
                                    <ArDesc>مياه</ArDesc>
                                    <PaymentType>Postpaid</PaymentType>
                                </ServiceInfo>
                                <BillingInfo>
                                    <EnShortDesc>Subscription
number</EnShortDesc>

                                    <ArShortDesc>رقم الاشتراك</ArShortDesc>
                                    <EnDesc>Enter subscription number</EnDesc>
                                    <ArDesc>ادخل رقم الاشتراك</ArDesc>
                                </BillingInfo>
                            </BillerService>
                            <BillerService>
                                <ServiceInfo>
                                    <Code>31038</Code>
                                    <Type>OmantelPostpaid</Type>
                                    <EnShortDesc>Omantel GSM</EnShortDesc>
                                    <ArShortDesc>عمانتل هاتف</ArShortDesc>
                                    <EnDesc>Omantel GSM</EnDesc>
                                    <ArDesc>عمانتل هاتف</ArDesc>
                                    <PaymentType>Postpaid</PaymentType>
                                </ServiceInfo>
                                <BillingInfo>
                                    <EnShortDesc>Enter your
number</EnShortDesc>

                                    <ArShortDesc>ادخل رقم الاشتراك</ArShortDesc>
                                    <EnDesc>Enter your number</EnDesc>
                                    <ArDesc>ادخل رقم الاشتراك</ArDesc>
                                </BillingInfo>
                            </BillerService>
```

```xml
<BillerService>
    <ServiceInfo>
        <Code>31039</Code>
        <Type>OmantelTelecom</Type>
        <EnShortDesc>Omantel landline</EnShortDesc>
        <ArShortDesc>عمانتل ثابت</ArShortDesc>
        <EnDesc>Omantel landline</EnDesc>
        <ArDesc>عمانتل ثابت</ArDesc>
        <PaymentType>Postpaid</PaymentType>
    </ServiceInfo>
    <BillingInfo>
        <EnShortDesc>Enter your number</EnShortDesc>
        <ArShortDesc>ادخل رقم الاشتراك</ArShortDesc>
        <EnDesc>Enter your number</EnDesc>
        <ArDesc>ادخل رقم الاشتراك</ArDesc>
    </BillingInfo>
</BillerService>
<BillerService>
    <ServiceInfo>
        <Code>31037</Code>
        <Type>OmantelInternet</Type>
        <EnShortDesc>Omantel internet</EnShortDesc>
        <ArShortDesc>عمانتل انترنت</ArShortDesc>
        <EnDesc>Omantel internet</EnDesc>
        <ArDesc>عمانتل انترنت</ArDesc>
        <PaymentType>Postpaid</PaymentType>
    </ServiceInfo>
    <BillingInfo>
        <EnShortDesc>Enter your number</EnShortDesc>
        <ArShortDesc>ادخل رقم الاشتراك</ArShortDesc>
        <EnDesc>Enter your number</EnDesc>
        <ArDesc>ادخل رقم الاشتراك</ArDesc>
    </BillingInfo>
</BillerService>
<BillerService>
    <ServiceInfo>
        <Code>31040</Code>
        <Type>OoredooPostpaid</Type>
        <EnShortDesc>Ooredoo postpaid</EnShortDesc>
        <ArShortDesc>اوريدو فاتوره</ArShortDesc>
        <EnDesc>Ooredoo postpaid</EnDesc>
        <ArDesc>اوريدو فاتوره</ArDesc>
        <PaymentType>Postpaid</PaymentType>
    </ServiceInfo>
    <BillingInfo>
        <EnShortDesc>Enter your number</EnShortDesc>
        <ArShortDesc>ادخل رقم الاشتراك</ArShortDesc>
        <EnDesc>Enter your number</EnDesc>
        <ArDesc>ادخل رقم الاشتراك</ArDesc>
    </BillingInfo>
</BillerService>
```

```xml
                    </BillerServices>
                </BillerRec>
                <BillerRec>
                    <BillerInfo>
                        <Code>4</Code>
                        <IntegrationType>Online</IntegrationType>
                        <StmtBankCode>2</StmtBankCode>
                        <Website>www.omanpush.com</Website>
                        <Email>wajdi.kofahi@oneic.com.om</Email>
                        <Phone>+96885493062</Phone>
                    </BillerInfo>
                    <BillerName>
                        <EnShortName>OmPush</EnShortName>
                        <ArShortName>بيلر</ArShortName>
                        <EnName>Oman push</EnName>
                        <ArName>عمان بيلر</ArName>
                    </BillerName>
                    <BillerMarketing>
                        <EnLogo>https://i.imgur.com/pXovLrD.jpg</EnLogo>
                    </BillerMarketing>
                    <BillerCategory>
                        <EnShortName>OTHR</EnShortName>
                        <ArShortName>أخرى</ArShortName>
                        <EnName>Other</EnName>
                        <ArName>أخرى</ArName>
                    </BillerCategory>
                    <BillerServices>
                        <BillerService>
                            <ServiceInfo>
                                <Code>31031</Code>
                                <Type>Electricity</Type>
                                <EnShortDesc>Electricity</EnShortDesc>
                                <ArShortDesc>كهرباء</ArShortDesc>
                                <EnDesc>Electricity</EnDesc>
                                <ArDesc>كهرباء</ArDesc>
                                <PaymentType>Postpaid</PaymentType>
                            </ServiceInfo>
                            <BillingInfo>
                                <EnShortDesc>Electricity</EnShortDesc>
                                <ArShortDesc>كهرباء</ArShortDesc>
                                <EnDesc>Electricity</EnDesc>
                                <ArDesc>كهرباء</ArDesc>
                            </BillingInfo>
                        </BillerService>
                        <BillerService>
                            <ServiceInfo>
                                <Code>31004</Code>
                                <Type>Individual</Type>
                                <EnShortDesc>Individual</EnShortDesc>
                                <ArShortDesc>فردي</ArShortDesc>
                                <EnDesc>Individual</EnDesc>
                                <ArDesc>فردي</ArDesc>
                                <PaymentType>Postpaid</PaymentType>
                            </ServiceInfo>
```

```
                                    <BillingInfo>
                                        <EnShortDesc>Individual</EnShortDesc>
                                        <ArShortDesc>فردي</ArShortDesc>
                                        <EnDesc>Individual</EnDesc>
                                        <ArDesc>فردي</ArDesc>
                                    </BillingInfo>
                                </BillerService>
                                <BillerService>
                                    <ServiceInfo>
                                        <Code>31030</Code>
                                        <Type>Water</Type>
                                        <EnShortDesc>Water</EnShortDesc>
                                        <ArShortDesc>مياه</ArShortDesc>
                                        <EnDesc>Water</EnDesc>
                                        <ArDesc>مياه</ArDesc>
                                        <PaymentType>Postpaid</PaymentType>
                                    </ServiceInfo>
                                    <BillingInfo>
                                        <EnShortDesc>Water</EnShortDesc>
                                        <ArShortDesc>مياه</ArShortDesc>
                                        <EnDesc>Water</EnDesc>
                                        <ArDesc>مياه</ArDesc>
                                    </BillingInfo>
                                </BillerService>
                                <BillerService>
                                    <ServiceInfo>
                                        <Code>30991</Code>
                                        <Type>Topup</Type>
                                        <EnShortDesc>z</EnShortDesc>
                                        <ArShortDesc>ب</ArShortDesc>
                                        <EnDesc>z</EnDesc>
                                        <ArDesc>ب</ArDesc>
                                        <PaymentType>Prepaid</PaymentType>

<BillingNoRequired>false</BillingNoRequired>

<ContainsPrepaidCats>false</ContainsPrepaidCats>
                                    </ServiceInfo>
                                    <BillingInfo>
                                        <EnShortDesc>z</EnShortDesc>
                                        <ArShortDesc>ب</ArShortDesc>
                                        <EnDesc>z</EnDesc>
                                        <ArDesc>ب</ArDesc>
                                    </BillingInfo>
                                </BillerService>
                            </BillerServices>
                        </BillerRec>
                    </BillersRec>
                </MsgBody>
            </billerList>
        </biller>
```

Modify Beneficiaries

API to modify beneficiaries and utility payments

Rest service:

URL: http://10.10.150.22:8281/ubill/biller

Methods (-X): POST

Headers (-H)

1. "Content-Type:text/xml"
2. "Accept:text/xml"

Request

```
<ns1:CCIMessage xmlns:ns1="http://CCIGATEWAY.CCI.WebServices/CCIServices">
  <ns1:Header>
    <ns1:MessageType>0200</ns1:MessageType>
    <ns1:TranCode>0027</ns1:TranCode>
    <ns1:TerminalId>MB</ns1:TerminalId>
    <ns1:SupervisorId>DBSYSUSR</ns1:SupervisorId>
    <ns1:ChannelId>DBSYS</ns1:ChannelId>
    <ns1:DateTime>15122019005915</ns1:DateTime>
    <ns1:STAN>571555</ns1:STAN>
  </ns1:Header>
  <ns1:Body>
    <ns1:Request>
      <ns1:CIF>0047138</ns1:CIF>
      <ns1:UtilityCompany>ONEIC</ns1:UtilityCompany>
      <ns1:ServiceType>ELECTRICITY</ns1:ServiceType>
      <ns1:ConsumerNumberType>MOBILENUMBER</ns1:ConsumerNumberType>
      <ns1:ConsumerNumber>96060979</ns1:ConsumerNumber>
      <ns1:Alias>electricity</ns1:Alias>
      <ns1:ActivityFlag>ADD</ns1:ActivityFlag>
    </ns1:Request>
  </ns1:Body>
</ns1:CCIMessage>
```

Field Name	Length	Details
MessageType	4	Fixed Value 0200 - Message type Identifier
TranCode	4	Fixed Value 0027 - Message type Identifier
TerminalId	2	For mobile banking "MB"
SupervisorId		Example DBSYSUSR
ChannelId		Example DBSYS

Field Name	Length	Details
DateTime	14	Request DateTime - ddmmYYYYHHMMSS
STAN	6	Unique Identifier on each day
CIF	7	CIF of the customer
UtilityCompany		ONEIC
ServiceType		Type of service to add to the customer's beneficiary from ONEIC. Example: ELECTRICITY
ConsumerNumberType		Type of account to identify the consumer number. Example: MOBILENUMBER
ConsumerNumber		Account number associated with the customer and the service type from ONEIC
Alias	45	alias name/ Nick Name to identify the beneficiary
ActivityFlag		Flag: ADD, UPDATE, DELETE

Response

```xml
<CCIMessageResponse xmlns="http://CCIGATEWAY.CCI.WebServices/CCIServices">
    <RdvMessageId/>
    <Header>
        <MessageType>0210</MessageType>
        <TranCode>0027</TranCode>
        <TerminalId>MB</TerminalId>
        <SupervisorId>DBSYSUSR</SupervisorId>
        <ChannelId>DBSYS</ChannelId>
        <DateTime>15122019005915</DateTime>
        <STAN>571555</STAN>
        <ErrorCode>000</ErrorCode>
        <ErrorMessage>Processed OK</ErrorMessage>
    </Header>
</CCIMessageResponse>
```

Field Name	Length	Details
MessageType	4	Fixed Value 0210 - Message type Identifier
TranCode	4	Fixed Value 0027 - Message type Identifier
TerminalId		Whatever was passed in Request
SupervisorId		Whatever was passed in Request
ChannelId		Whatever was passed in Request
DateTime	14	Whatever was passed in Request

Field Name	Length	Details
STAN	6	Whatever was passed in Request
ErrorCode	3	000 is success response
ErrorMessage		Processed OK for success and error description for other types of ErrorCode responses

Bill Fetch

Rest service:

URL: http://10.10.150.22:8281/ubill/show

Methods (-X): POST

Headers (-H)

1. "Content-Type:text/xml"
2. "Accept:text/xml"

Request

```
<CCIMessage>
    <Header>
        <MessageType>0200</MessageType>
        <TranCode>0023</TranCode>
        <TerminalId>MB</TerminalId>
        <SupervisorId>DBSYSUSR</SupervisorId>
        <ChannelId>DBSYS</ChannelId>
        <DateTime>24042019073757</DateTime>
        <STAN>907196</STAN>
    </Header>
    <Body>
        <Request>
            <UtilityCompany>3</UtilityCompany>
            <ServiceType>Electricity</ServiceType>
            <ConsumerNumberType>ACCOUNTNUMBER</ConsumerNumberType>
            <ConsumerNumber>35327</ConsumerNumber>
        </Request>
    </Body>
</CCIMessage>
```

Field Name	Length	Details
MessageType	4	Fixed Value 0200 - Message type Identifier
TranCode	4	Fixed Value 0023 - Message type Identifier
TerminalId		For mobile banking "MB"

Field Name	Length	Details
SupervisorId		Example DBSYSUSR
ChannelId		Example DBSYS
DateTime	14	Request DateTime - ddmmYYYYHHMMSS
STAN	6	Unique Identifier on each day
UtilityCompany		ONEIC
ServiceType		Type of service to add to the customer's beneficiary from ONEIC. Example: Electricity
ConsumerNumberType		Type of account to identify the consumer number. Example: MOBILENUMBER
ConsumerNumber		Account number associated with the customer and the service type from ONEIC

| for more information on ServiceType refer ONEIC documentation

Response

```
<Header>
    <MessageType>0210</MessageType>
    <TranCode>0023</TranCode>
    <TerminalId>MB</TerminalId>
    <SupervisorId>DBSYSUSR</SupervisorId>
    <ChannelId>DBSYS</ChannelId>
    <DateTime>24042019073757</DateTime>
    <STAN>907196</STAN>
    <ErrorMessage>Processed OK</ErrorMessage>
</Header>
<Body>
    <Response>
        <ONEICResponse>
            RESPONSE BODY
        </ONEICResponse>
    </Response>
</Body>
```

Field Name	Length	Details
MessageType	4	Fixed Value 0210 - Message type Identifier
TranCode	4	Fixed Value 0023 - Message type Identifier
TerminalId		Whatever was passed in Request
SupervisorId		Whatever was passed in Request

Field Name	Length	Details
ChannelId		Whatever was passed in Request
DateTime	14	Whatever was passed in Request
STAN	6	Whatever was passed in Request
ErrorMessage	7	Processed OK for success
ONEICResponse		The response body of ONEIC

| for more information on ONEICResponse refer ONEIC documentation

In case of ONEIC Endpoint not reachable

The response after timeout of 120 seconds will be:

```
<CCIMessageResponse xmlns="http://CCIGATEWAY.CCI.WebServices/CCIServices">
    <Header>
        <MessageType>0210</MessageType>
        <ErrorCode>401</ErrorCode>
        <ErrorMessage>Rejected</ErrorMessage>
    </Header>
</CCIMessageResponse>
```

Bill Payment

Rest service:

URL: http://10.10.150.22:8281/ubill/payment

Methods (-X): POST

Headers (-H)

1. "Content-Type:text/xml"
2. "Accept:text/xml"

Request

```
<CCIMessage>
    <Header>
        <MessageType>0200</MessageType>
        <TranCode>0024</TranCode>
        <TerminalId>T1</TerminalId>
        <SupervisorId>MBSYS</SupervisorId>
        <ChannelId>MBSYS</ChannelId>
        <DateTime>24042019073757</DateTime>
        <STAN>101187</STAN>
    </Header>
```

```
        <Body>
            <Request>
                <TransactionId>3619420</TransactionId>
                <AccountNo>16digitaccountnumber</AccountNo>
                <UtilityCompany>3</UtilityCompany>
                <ServiceType>Water</ServiceType>
                <ConsumerNumberType>ACCOUNTNUMBER</ConsumerNumberType>
                <ConsumerNumber>35327</ConsumerNumber>
                <Amount>42</Amount>
                <PrevalidationFlag>true</PrevalidationFlag>
            </Request>
        </Body>
    </CCIMessage>
```

Field Name	Length	Details
MessageType	4	Fixed Value 0200 - Message type Identifier
TranCode	4	Fixed Value 0024 - Message type Identifier
TerminalId		For mobile banking "MB"
SupervisorId		Example DBSYSUSR
ChannelId		Example DBSYS
DateTime	14	Request DateTime - ddmmYYYYHHMMSS
STAN	6	Unique Identifier on each day
TransactionId	7	pass the transaction ID as received in the Bill Fetch response
AccountNo	16	16 digit alizz account number of the customer from which the customer wanted to pay
UtilityCompany		Pass the company ID sent as a response to billers list
ServiceType		Type of service to add to the customer's beneficiary from ONEIC. Example: ELECTRICITY
ConsumerNumberType		Type of account to identify the consumer number. Example: MOBILENUMBER
ConsumerNumber		Account number associated with the customer and the service type from ONEIC
Amount		Amount the customer is willing to pay
PrevalidationFlag		fixed value - true

Response

```
<CCIMessageResponse xmlns="http://CCIGATEWAY.CCI.WebServices/CCIServices">
    <Header>
```

```xml
            <MessageType>0210</MessageType>
            <TranCode></TranCode>
            <TerminalId></TerminalId>
            <SupervisorId></SupervisorId>
            <ChannelId></ChannelId>
            <DateTime></DateTime>
            <STAN></STAN>
            <ErrorCode>000</ErrorCode>
        </Header>
        <Body>
            <Response>
                <Branch>branchCode</Branch>
                <TransactionId>bankTransactionRef</TransactionId>
            </Response>
        </Body>
    </CCIMessageResponse>
```

Field Name	Length	Details
MessageType	4	Fixed Value 0210 - Message type Identifier
TranCode	4	Fixed Value 0023 - Message type Identifier
TerminalId		Whatever was passed in Request
SupervisorId		Whatever was passed in Request
ChannelId		Whatever was passed in Request
DateTime	14	Whatever was passed in Request
STAN	6	Whatever was passed in Request
ErrorCode	3	000 for success
Branch	3	Branch code of the transaction process
TransactionId		Bank Transaction ref

In case of ONEIC Endpoint not reachable

The response after timeout of 120 seconds will be:

```xml
<CCIMessageResponse xmlns="http://CCIGATEWAY.CCI.WebServices/CCIServices">
    <Header>
        <MessageType>0210</MessageType>
        <ErrorCode>401</ErrorCode>
        <ErrorMessage>Rejected</ErrorMessage>
    </Header>
</CCIMessageResponse>
```