The Rating XML Reference

This section documents the details of the Rating API messages, including the requests that clients send to UPS and the responses that UPS returns.

Authenticating Client Applications

UPS Developer APIs are only available for authorized UPS customers. To enforce this policy, UPS requires that every message that a client application sends include important authentication information. That information is contained in an AccessRequest XML document that must begin each message.

AccessRequest

```
AccessRequest
├─AccessLicenseNumber::string
├─UserId::string
└─Password::string
```

Each AccessRequest contains three child elements: an AccessLicenseNumber, a UserId, and a Password. The following figure shows an example AccessRequest document.

```
<?xml version="1.0" ?>
<AccessRequest xml:lang='en-US'>
    <AccessLicenseNumber>
        YOURACCESSLICENSENUMBER
    </AccessLicenseNumber>
    <UserId>
        YOURUSERID
    </UserId>
    <Password>
        YOURPASSWORD
    </Password>
</AccessRequest>
```

Rates and Service Selection

The Rating API relies on a single request and response. Client applications request rating information by sending a RatingServiceSelectionRequest message to UPS. UPS replies with a RatingServiceSelectionResponse message.

Example RatingServiceSelectionRequest Message

```
<?xml version="1.0" ?>
<AccessRequest xml:lang='en-US'>
    <AccessLicenseNumber>YOURACCESSLICENSENUMBER</AccessLicenseNumber>
```

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```
    <UserId>YOURUSERID</UserId>
    <Password>YOURPASSWORD</Password>
</AccessRequest>
<?xml version="1.0" ?>
<RatingServiceSelectionRequest>
    <Request>
        <TransactionReference>
            <CustomerContext>Rating and Service</CustomerContext>
            <XpciVersion>1.0</XpciVersion>
        </TransactionReference>
        <RequestAction>Rate</RequestAction>
        <RequestOption>Rate</RequestOption>
    </Request>
    <PickupType>
        <Code>01</Code>
        <Description>Daily Pickup</Description>
    </PickupType>
    <Shipment>
        <Description>Rate Shopping - Domestic</Description>
        <Shipper>
            <ShipperNumber>ISGB01</ShipperNumber>
            <Address>
                <AddressLine1>Southam Rd</AddressLine1>
                <AddressLine2 />
                <AddressLine3 />
                <City>Dunchurch</City>
                <StateProvinceCode>Warwickshire</StateProvinceCode>
                <PostalCode>CV226PD</PostalCode>
                <CountryCode>GB</CountryCode>
            </Address>
        </Shipper>
        <ShipTo>
            <CompanyName>Belgium</CompanyName>
            <AttentionName>nananananan</AttentionName>
            <PhoneNumber>7777778978</PhoneNumber>
            <Address>
                <AddressLine1>5, rue de la Bataille</AddressLine1>
                <AddressLine2 />
                <AddressLine3 />
                <City>Neufchateau</City>
                <PostalCode>6840</PostalCode>
                <CountryCode>BE</CountryCode>
            </Address>
        </ShipTo>
        <ShipFrom>
            <CompanyName>Imani's Imaginarium</CompanyName>
            <AttentionName>AT:United Kingdom</AttentionName>
            <PhoneNumber>3057449002</PhoneNumber>
            <FaxNumber>3054439293</FaxNumber>
            <Address>
                <AddressLine1>Southam Rd</AddressLine1>
                <AddressLine2 />
                <AddressLine3 />
                <City>Dunchurch</City>
                <StateProvinceCode>Warwickshire</StateProvinceCode>
                <PostalCode>CV226PD</PostalCode>
                <CountryCode>GB</CountryCode>
```


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```
            </Address>
        </ShipFrom>
        <Service><Code>65</Code></Service>
        <Package>
            <PackagingType>
                <Code>04</Code>
                <Description>UPS 25KG Box</Description>
            </PackagingType>
            <Description>Rate</Description>
            <PackageWeight>
                <UnitOfMeasurement>
                    <Code>KGS</Code>
                </UnitOfMeasurement>
                <Weight>23</Weight>
            </PackageWeight>
        </Package>
        <ShipmentServiceOptions />
    </Shipment>
</RatingServiceSelectionRequest>
```


Example RatingServiceSelectionResponse Message


```
<?xml version="1.0" ?>
<RatingServiceSelectionResponse>
    <Response>
        <TransactionReference>
            <CustomerContext>Rating and Service</CustomerContext>
            <XpciVersion>1.0</XpciVersion>
        </TransactionReference>
        <ResponseStatusCode>1</ResponseStatusCode>
        <ResponseStatusDescription>Success</ResponseStatusDescription>
    </Response>
    <RatedShipment>
        <Service>
            <Code>65</Code></Service>
        <BillingWeight>
            <UnitOfMeasurement><Code>KGS</Code></UnitOfMeasurement>
            <Weight>23.0</Weight>
        </BillingWeight>
        <TransportationCharges>
            <CurrencyCode>UKL</CurrencyCode>
            <MonetaryValue>73.65</MonetaryValue>
        </TransportationCharges>
        <ServiceOptionsCharges>
            <CurrencyCode>UKL</CurrencyCode>
            <MonetaryValue>0.00</MonetaryValue>
        </ServiceOptionsCharges>
        <TotalCharges>
            <CurrencyCode>UKL</CurrencyCode>
            <MonetaryValue>73.65</MonetaryValue>
        </TotalCharges>
        <GuaranteedDaysToDelivery>0</GuaranteedDaysToDelivery>
        <RatedPackage>
```


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```
            <TransportationCharges>
                <CurrencyCode>UKL</CurrencyCode>
                <MonetaryValue>0.00</MonetaryValue>
            </TransportationCharges>
            <ServiceOptionsCharges>
                <CurrencyCode>UKL</CurrencyCode>
                <MonetaryValue>0.00</MonetaryValue>
            </ServiceOptionsCharges>
            <TotalCharges>
                <CurrencyCode>UKL</CurrencyCode>
                <MonetaryValue>0.00</MonetaryValue>
            </TotalCharges>
            <Weight>23.0</Weight>
            <BillingWeight>
                <UnitOfMeasurement>
                    <Code>KGS</Code>
                </UnitOfMeasurement>
                <Weight>0.0</Weight>
            </BillingWeight>
        </RatedPackage>
    </RatedShipment>
</RatingServiceSelectionResponse>
```


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