



Proprietary Card Web Services Specifications & Field Definitions

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Document Information

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01/21/2015	Ver 1.0	Steven Harris	Document created
06/17/2015	Ver 1.1	Steven Harris	Document updated
6/30/2015	Ver 1.2	Steven Harris	Added IVR Web Services and Comchek Draft Authorization Request and Response
1/28/2016	Ver 1.3	Steven Harris	Updated Error Codes for Draft Registration operation

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Comdata Proprietary Card Web Services Security

The Comdata Proprietary Card web services are protected by both SSL secure connection and an authentication system to ensure that only authorized users may utilize these services.

- Secure Socket Layer (SSL) Data Transport – All data must be transported utilizing Secure Hyper Text Transport Protocol (HTTPS) which relies on the Secure Socket Layer (SSL) data communications protocol.
- WS-Security Basic Authentication – WS-Security is utilized to authenticate front-end access to web services. Comdata will provide authentication credentials, Username and Password values, which must be included in the WS-Security UsernameToken portion of the SOAP header.

- Here is a sample request header:

```
<soapenv:Header>
  <wsse: Security soapenv:mustUnderstand="1"
xmlns:wsse= "http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-secext-1.0.xsd">
  <wsse:UsernameToken wsu:Id="UsernameToken-3"
xmlns:wsu= "http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd">
  <wsse:Username>ICD2NOIG4</wsse:Username>
  <wsse:Password Type= "http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-username-token-profile-1.0#PasswordText">XXXXXXXXXX</wsse:Password>
  <wsu:Created>2014-08-18T14:06:08:083Z</wsu:Created>
  </wsse:UsernameToken>
</wsse:Security>
</soapenv:Header>
```

Comdata Proprietary Card Web Services Endpoint and WSDL

Certification Environment

URL for verifying the web service is running: <https://w8cert.icconnectdata.com/PropCardWS/index.jsp>

Endpoint: <https://w8cert.icconnectdata.com/PropCardWS/services/PropCardWS>

WSDL: <https://w8cert.icconnectdata.com/PropCardWS/PropCardWS.wsdl>

Production Environment

URL for verifying the web service is running: <https://w6.icconnectdata.com/PropCardWS/index.jsp>

Endpoint: <https://w6.icconnectdata.com/PropCardWS/services/PropCardWS>

WSDL: <https://w6.icconnectdata.com/PropCardWS/PropCardWS.wsdl>

Comdata Proprietary Card Web Services General Requirements

- For Boolean type fields, one must pass either true or false, all lowercase.
- For enum types, values are all uppercase.
- The SOAP implementation in Websphere 8.5 is compliant with the WS-I Basic Profile 1.0, which requires that all application-specific elements in the body must be namespace qualified to avoid name collision.
- For some requests, we expect lists of objects/items. A list of items is constructed in the following format:

```
<sampleList>
<sampleItem>
<attr1>xxxx</attr1>
<attr2>yyyy</attr2>
</sampleItem>
...
<sampleItem>
<attr1>aaaa</attr1>
<attr2>bbbb</attr2>
</sampleItem>
</sampleList>
```
- We strive to make our error messages as clear as possible. However, if you see a response message that is not descriptive enough, please contact your Comdata Representative for a greater explanation.

Draft Registration

Function:	Provides functionality to register a draft
Web Service Method:	draftRegistration
Description:	
Other Notes:	<ol style="list-style-type: none"> 1. All entries are validated before processing the draft registration request. 2. The draft related info will appear in the response only when the status is success. 3. In the event of a failure, instead of draft related info, the error code and error message will be shown in the response 4. Registration will be declined if the account is setup with a balance limit of Limited, Money Invoice is No, and you are trying to register an amount over 999.99.

Request Record – Draft Registration

<i>Element Name</i>	<i>Data Type</i>	<i>Req</i>	<i>Max Len</i>	<i>Comment / Example Value</i>
<draftRegistrationRequest>				
cardNumber	xsd:string	Y	16	Value assigned by Comdata.
draftNumber	xsd:string	Y	10	Comchek Draft Number (manual draft # only)
amount	xsd:string	Y	9	99999.99 (99,999.99 max)
balanceLimitIndicator	xsd:string	Y	1	N = Cash on Card Y=Express Cash
</draftRegistrationRequest>				

Response Record – Draft Registration

<i>Element Name</i>	<i>Data Type</i>	<i>Max Len</i>	<i>Comment / Example Value</i>
<draftRegistrationResponse>			
status	xsd:string		Displays the status of the request: "success" for a successful request and "failure" for a failed request
errorCode	xsd:string		Displays error codes only when there is a failed request
errorMessage	xsd:string		Displays error messages only when there is a failed request
<draftRegistration>			
cardNumber	xsd:int	16	Value assigned by Comdata
expressCashBalance	xsd:decimal		99999.99 (99,999.99) max balance
expressCashAvailable	xsd:decimal		99999.99 (99,999.99) max balance
expressCashLimit	xsd:decimal		99999.99 (99,999.99) max balance
</draftRegistration>			
</draftRegistrationResponse>			

Error Messages

Error Code	Error Message
000012	Invalid draft number
000109	Internal Server Error, user could not be authorized, please try again later
000111	User does not have access to requested customer ID
001002	May be one of the following: ADV AMT EXCEEDED (<i>advance amount exceeded</i>) INACTIVE CARD ... DRIVER CALL CO. (<i>card is inactive, driver should call their company</i>) INVALID CHECK NR (<i>invalid check number</i>)
002000	There was an error interacting with the database
003001	<fieldname> is not formatted properly
003003	Missing required values
003031	Invalid Balance Limit Indicator, Only 'Y' or 'N' allowed
003032	User does not have access to the requested Card
003033	Invalid Card Number
003034	Invalid amount, amount should be valid double grated than zero
999999	System Error

Comdata IVR Web Services

Comdata IVR Web Services Security

The Comdata IVR web services are protected by both SSL secure connection and an authentication system to ensure that only authorized users may utilize these services.

- Secure Socket Layer (SSL) Data Transport – All data must be transported utilizing Secure Hyper Text Transport Protocol (HTTPS) which relies on the Secure Socket Layer (SSL) data communications protocol.
- WS-Security Basic Authentication – WS-Security is utilized to authenticate front-end access to web services. Comdata will provide authentication credentials, Username and Password values, which must be included in the WS-Security UsernameToken portion of the SOAP header.
- Here is a sample request header:

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<soapenv:Header>
  <wsse: Security soapenv:mustUnderstand="1"
xmlns:wsse= "http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-secext-1.0.xsd">
  <wsse:UsernameToken wsu:Id="UsernameToken-3"
xmlns:wsu= "http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd">
  <wsse:Username>ICD2NOIG4</wsse:Username>
  <wsse:Password Type= "http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-username-token-profile-1.0#PasswordText">XXXXXXXXXX</wsse:Password>
  <wsu:Created>2011-07-20T23:06:08:083Z</wsu:Created>
  </wsse:UsernameToken>
</wsse:Security>
</soapenv:Header>
```

Comdata IVR Web Services Endpoint and WSDL

Certification Environment

URL for verifying the web service is running: <https://w8cert.icconnectdata.com/IVRWS/index.jsp>

Endpoint: <https://w8cert.icconnectdata.com/IVRWS>

WSDL: <https://w8cert.icconnectdata.com/IVRWS/IVRWS.wsdl>

Production Environment

URL for verifying the web service is running: <https://w6.icconnectdata.com/IVRWS/index.jsp>

Endpoint: <https://w6.icconnectdata.com/IVRWS>

WSDL: <https://w6.icconnectdata.com/IVRWS/IVRWS.wsdl>

Comdata IVR Web Services General Requirements

- For Boolean type fields, one must pass either true or false, all lowercase.
- For enum types, values are all uppercase.
- The SOAP implementation in Websphere 8.5 is compliant with the WS-I Basic Profile 1.0, which requires that all application-specific elements in the body must be namespace qualified to avoid name collision.
- For some requests, we expect lists of objects/items. A list of items is constructed in the following format:

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<sampleItem>
<attr1>aaaa</attr1>
<attr2>bbbb</attr2>
</sampleItem>
</sampleList>
```
- We strive to make our error messages as clear as possible. However, if you see a response message that is not descriptive enough, please contact your Comdata Representative for a greater explanation.

Authorize Comchek Draft

This operation allows users to enter a draft number for authorization. A successful authorization will return with a status of “success”, an authorization code, and the authorized amount. An unsuccessful authorization request will return a status of “failure”, an error code, and a description of the error.

Function:	Authorize a Comchek draft
Web Service Method:	authorizeComchekDraft
Other Notes:	

Request Record – Draft Registration

<i>Element Name</i>	<i>Data Type</i>	<i>Req</i>	<i>Max Len</i>	<i>Comment / Example Value</i>
<authorizeComchekDraftRequest>				
draftNumber	xsd:string	X	10	Draft number to authorize.
</authorizeComchekDraftRequest>				

Response Record – Draft Registration

<i>Element Name</i>	<i>Data Type</i>	<i>Max Len</i>	<i>Comment / Example Value</i>
<authorizeComchekDraftResponse>			
status	xsd:string		The value is either “success” or “failure”
errorCode	xsd:string		Only displays if the status is “failure”. See Error Codes Table for possible error codes
errorMessage	xsd:string		Only displays if the status is “failure”. See Error Codes Table for possible error codes
comchekDraftAuthorization	comchekDraftauthorization		Only displays if the status is success. This type has 3 sub-elements
Data Type: comchekDraftAuthorization			
draftNumber	xsd:string	10	Authorized draft number
comchekAuthorizationCode	xsd:string	5	Authorization code
authorizedAmount	xsd:decimal	decimal:length	Amount authorized
</comchekDraftAuthorization>			
</comchekDraftauthorizationResponse>			

Error Messages

<i>Error Code</i>	<i>Error Message</i>
000026	Draft Number Not Found
000027	Not Authorized
003001	Draft Number is not formatted properly
999999	System error