



Virtual Card Web Services

Specifications & Field Definitions

Document Version 2.9
12/12/2021

Document Information

Date	Version	Author	Notes
06/30/2015	v1.0	Steven Harris	First draft created
07/27/2015	v2.0	Steven Harris	Added Get Virtual Card Detail List operation, updated error codes table
02/02/2016	v2.1	Steven Harris	Corrected error: discountAmount changed to discAmount in Add Virtual Card request
05/19/2016	v2.2	Steven Harris	Added Resend Remittance request and response record
11/22/2016	v2.3	Steven Harris	Updated Add Virtual Card request and response record
2/13/2017	v2.4	Steven Harris	Added fields needed for virtual card for travel requests (pg. 5)
1/25/2018	v2.5	Steven Harris	Added Update Virtual Card request and response record
5/18/2018	v2.6	Steven Harris	Corrected error on firstName and lastName fields in Add Virtual Card request.
11/09/2018	v2.7	Steven Harris	Updated max length for all Boolean fields, max length and descriptions for specific xsd:string fields.
11/27/2019	v2.8	Steven Harris	Added Add Virtual Card Asynchronous and Get Payment Status by UID operations.
12/12/2021	V2.9	Steven Harris	Changed "future use" fields to "do not use"

Disclaimer

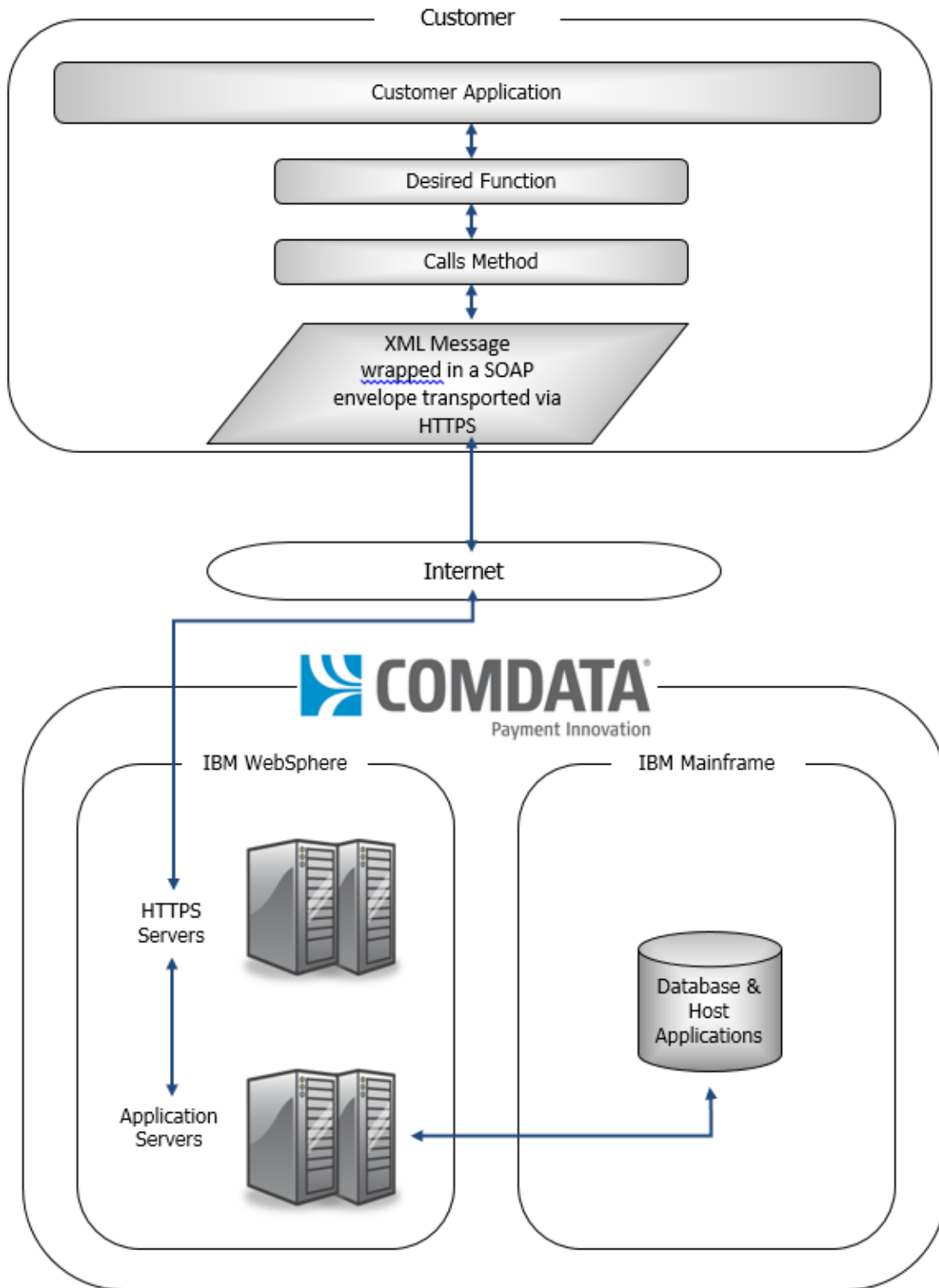
The information furnished herein is proprietary and confidential and is intended for Comdata customers only. It should not be duplicated, published, or disclosed in whole or in part without the prior written permission of Comdata.

Contents

COMDATA VIRTUAL CARD WEB SERVICES OVERVIEW.....	3
COMDATA VIRTUAL CARD WEB SERVICES SECURITY.....	4
COMDATA VIRTUAL CARD WEB SERVICES ENDPOINT AND WSDL.....	4
COMDATA VIRTUAL CARD WEB SERVICES GENERAL REQUIREMENTS.....	5
COMDATA VIRTUAL CARD WEB SERVICES FUNCTIONAL OVERVIEW.....	5
ADD VIRTUAL CARD	6
ADD VIRTUAL CARD ASYNCHRONOUS.....	12
GET PAYMENT STATUS BY UID.....	17
GET VIRTUAL CARD DETAIL LIST	19
RESEND REMITTANCE	24
UPDATE VIRTUAL CARD	26
APPENDIX A. - ERROR MESSAGES	27
APPENDIX B. - BLOCK REASON CODES AND DESCRIPTIONS.....	29

Comdata Virtual Card Web Services Overview

Comdata Web Services Architecture



Comdata Virtual Card Web Services Security

The Comdata Virtual 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>2011-07-20T23:06:08.083Z</wsu:Created>
    </wsse:UsernameToken>
  </wsse:Security>
</soapenv:Header>
```

Comdata Virtual Card Web Services Endpoint and WSDL

Certification Environment

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

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

Production Environment

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

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

Comdata Virtual Card Web Services General Requirements

- All alphabetical characters in element values should be in upper case.
- 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.
- In the event that a host response code/response message is not descriptive enough, please contact your Comdata Representative for a greater explanation.
- SOAP Fault Elements are utilized to communicate fault error and/or fault status information.
- **Note:** Use the following fields in bold for virtual card for travel related requests:
 - Hotel Information – **Supplier Name**
 - Hotel Phone Number – **Supplier Phone Number**
 - Guest Name – **Subscriber Name**
 - Confirmation Number – **Invoice Number**
 - Travel Agency – **Subscriber Account**
 - Booking Agent – **Subscriber Address Line 2**
 - Check in Date – **Due Date**
 - Check out Date – **Payment Date**
 - Comments – **Invoice Comments**
 - Room Cost – **Net Amount**
 - Payment Restrictions – **GL Code**

Comdata Virtual Card Web Services Functional Overview

Card Based Functions		Relevant Card Type		
Function	Web Service Method	Comdata Proprietary Cards	Comdata MasterCard (physical & ghost)	Comdata Virtual MasterCard
Add Virtual Card	addVirtualCards			✓
Add Virtual Card Asynchronous	addVirtualCardAsyn			✓
Get Payment Status by UID	getPaymentStatusByUID			✓
Get Virtual Card Detail List	virtualCardGetVirtualCardDetailList			✓
Resend Remittance	resendRemittance			✓
Update Virtual Card	updateVirtualCard			✓

Add Virtual Card

The Add Virtual Card function is used to request a Comdata Virtual MasterCard.

Function:	Add Virtual Card
Web Service Method:	addVirtualCards
Applicable Card Type:	Comdata Virtual MasterCard
Other Notes:	

Request Record – Add Virtual Card

<i>Element Name</i>	<i>Data Type</i>	<i>Max Len</i>	<i>Req</i>	<i>Comment / Example Value</i>
<cards>				
<card> *1 card per request				
accountCode	xsd:string	5	Y	Comdata-assigned Account code
custId	xsd:string	5	Y	Comdata-assigned Customer ID
vendorNumber	xsd:string	30	N	Vendor Number (Supplier Code)
locationCode	xsd:string	25	N	Vendor Sub Number (Location Code)
firstName	xsd:string	20	Y	First name of cardholder. Must be at least three characters. Alphanumeric plus spaces allowed.
lastName	xsd:string	20	Y	Last name of cardholder. Must be at least two characters. Alphanumeric plus spaces allowed.
vendorAddress	vcdom:address	n/a	N	Supplier Address fields (recommended for supplier support)
vendorName	xsd:string	50	N	Supplier Name (required if requesting a remittance advice)
remitEmailTo	xsd:string	50	N	Supplier Email Address1 (required if requesting a remittance advice)
remitEmailCc	xsd:string	50	N	Supplier Email Address 2 (CC)
vendorPhone	xsd:string	10	N	Supplier Phone Number (recommended for supplier support)
vendorFax	xsd:string	10	N	Supplier Fax Number
sendFaxRemittance	xsd:boolean	n/a	N	true = Yes, false = No
taxId	xsd:string	9	N	Tax ID (recommended for supplier support)
paymentDate	xsd:string	10	N	Payment Date (MM/DD/YYYY)
repairOrderNumber	xsd:string	10	N	Repair Order Number
vehicleNumber	xsd:string	17	N	Vehicle/Unit Number
promptedDriverId	xsd:string	17	N	Prompted Driver ID
validateInvoiceData	xsd:boolean	5	N	Do not use

<i>Element Name</i>	<i>Data Type</i>	<i>Max Len</i>	<i>Req</i>	<i>Comment / Example Value</i>
cardExpirationDate	xsd:string	4	N	Card Expiration date provided by customer (MMYY) Overrides AP Buyer Setup selection of Card Expiration Month. Defaults to 3 months if not provided.
numberOfTransactions	xsd:string	3	N	Number Of Transactions Per Card
mustBeExactAmountForAuth	xsd:boolean	5	N	true/false value true – The POS amount must equal the total net amount of the invoices false – The POS amount may be less than or equal to the total net amount of the invoices Default is false
useGLCode1AsDefault	xsd:boolean	5	N	true/false value true – GL Code 1 is the default GL Code assigned Y false – No default is assigned. Default value is false
mcc	xsd:string	4	N	Restrict card usage to vendors assigned to a specific MCC
miscCost	xsd:decimal	10	N	9999999v99
totalLaborCost	xsd:decimal	10	N	9999999v99
totalPartsCost	xsd:decimal	10	N	9999999v99
totalTaxCost	xsd:decimal	7	N	9999v99
openForAirline	xsd:boolean	5	N	Restrict card usage to vendors that are assigned this MCC Group true - open, false - closed
openForBusinessServices	xsd:boolean	5	N	Restrict card usage to vendors that are assigned this MCC Group true - open, false - closed
openForCarRentals	xsd:boolean	5	N	Restrict card usage to vendors that are assigned this MCC Group true - open, false - closed
openForFinancialServices	xsd:boolean	5	N	Restrict card usage to vendors that are assigned this MCC Group true - open, false - closed
openForFuel	xsd:boolean	5	N	Restrict card usage to vendors that are assigned this MCC Group true - open, false - closed
openForHotels	xsd:boolean	5	N	Restrict card usage to vendors that are assigned this MCC Group true - open, false - closed
openForLegalAndInsurance	xsd:boolean	5	N	Restrict card usage to vendors that are assigned this MCC Group true - open, false - closed
openForMaintenance	xsd:boolean	5	N	Restrict card usage to vendors that are assigned this MCC Group true - open, false - closed

<i>Element Name</i>	<i>Data Type</i>	<i>Max Len</i>	<i>Req</i>	<i>Comment / Example Value</i>
openForMedical	xsd:boolean	5	N	Restrict card usage to vendors that are assigned this MCC Group true - open, false - closed
openForMisc	xsd:boolean	5	N	Restrict card usage to vendors that are assigned this MCC Group true - open, false - closed
openForMiscTransportation	xsd:boolean	5	N	Restrict card usage to vendors that are assigned this MCC Group true - open, false - closed
openForRestaurants	xsd:boolean	5	N	Restrict card usage to vendors that are assigned this MCC Group true - open, false - closed
warrantyPeriod	xsd:string	8	N	Warranty period (optional)
warrantyReport	xsd:boolean	5	N	true = Yes, false = No
cardParams	xsd:list		N	Do not use
<invoice> Note: There can be 1-999 of invoices per request				
invoiceNumber	xsd:string	20	Y	Invoice Number
invoiceDate	xsd:string	10	Y	Invoice Date (MM/DD/YYYY)
dueDate	xsd:string	10	Y	Due Date (MM/DD/YYYY)
paymentNumber	xsd:string	10	N	Payment Number
invoiceComments	xsd:string	60	N	Invoice Comments
poNumber	xsd:string	15	N	Purchase Order Number
grossAmount	xsd:decimal	10	Y	Gross Amount: 99999999v99
netAmount	xsd:decimal	10	Y	Net Amount: 99999999v99
discAmount	xsd:decimal	10	Y	Discount Amount: 99999999v99

<i>Element Name</i>	<i>Data Type</i>	<i>Max Len</i>	<i>Req</i>	<i>Comment / Example Value</i>
vcInvoiceNumber	xsd:string	15	N	<p>Virtual Card Invoice Number. This field may be used by the Buyer to explicitly identify invoices that will be aggregated when paying multiple invoices to the same Supplier.</p> <p>Whatever is sent in this field will be stored in the AC18 file as the Invoice Number for this MasterCard. If this field is left blank, then the AC18 Invoice number field will also be blank for the Virtual MasterCard (VMC).</p> <p>Note: Whatever is entered in the Virtual Card Invoice No. field for the first record processed for each Supplier Code in an AP Input file will be stored in the AC18 as the Invoice Number for that VMC. This rule applies even to single invoices assigned to a VMC for a Supplier. For a single invoice associated with a VMC, the buyer should therefore enter the same number as the Invoice Number field. Forward Slash (/) and Backward Slash (\) characters must not be entered for "ComdataDirect" transactions.</p>
glCode1	xsd:string	60	N	General Ledger Account1
glCodeAmount1	xsd:decimal	10	N	General Ledger Amount1 99999999v99
glCode2	xsd:string	60	N	General Ledger Account2
glCodeAmount2	xsd:decimal	10	N	General Ledger Amount2 99999999v99
glCode3	xsd:string	60	N	General Ledger Account3
glCodeAmount3	xsd:decimal	10	N	General Ledger Amount3 99999999v99
glCode4	xsd:string	60	N	General Ledger Account4
glCodeAmount4	xsd:decimal	10	N	General Ledger Amount4 99999999v99
invoiceParams	xsd:list		N	Do not use
<subscriber> Note: Optional in some cases				
subscriberFirstName	xsd:string	15	N	Subscriber first name
subscriberLastName	xsd:string	20	N	Subscriber last name
subscriberAddress	vcdom:address	n/a	N	Subscriber Address fields
phone	xsd:string	10	N	Subscriber Phone
subscriberAccountNumber	xsd:string	50	N	Subscriber Account Number
subscriberParams	xsd:list		N	Do not use
</subscriber>				
</invoice>				
</card>				
</cards>				
<options>				

<i>Element Name</i>	<i>Data Type</i>	<i>Max Len</i>	<i>Req</i>	<i>Comment / Example Value</i>
maskCard	xsd:boolean	5	N	true = card number is masked (example: 123456XXXXXX1234) false = unmask card number. Default is true
optionsParams	xsd:list		N	Do not use
</options>				
<cardAddParams>				
cardAddParamName	xsd:string		N	Do not use
cardAddParamValue	xsd:string		N	Do not use
</cardAddParams>				
vcdom:address				
addressLine1	xsd:string	50	Y	First line of the address
addressLine2	xsd:string	50	N	Second line of the address
city	xsd:string	40	Y	Address City
state	xsd:string	5	Y	Address State
zip	xsd:string	10	Y	Address zip code

Response Record - Add Virtual Card

<i>Element Name</i>	<i>Data Type</i>	<i>Max Len</i>	<i>Comment / Example Value</i>
<>			
<>			
status	xsd:string	20	Success or Failure
requestID	xsd:string	14	Unique identifier to inquire the status of the cardAdd request
numberOfCardsRequested	xsd:string	10	The number of cards requested in the request
cardAddResponseParams	xsd:list		Do not use
errorMessage	xsd:string	80	Displays only if the status is a failure. See Appendix A for possible errors.
errorCode	xsd:string	10	Displays only if the status is a failure. See Appendix A for possible errors.
<cardsReturned> Note: Will be present only if the status is Success			
</cardReturned> Note: Card element for each numberOfCardsRequested			
accountCode	xsd:string	10	Account number of the added card
custId	xsd:string	10	Customer ID of the added card
cardNumber	xsd:string	20	Card number of the added card
cardToken	xsd:string	10	Card token of the added card
CVC2	xsd:string	3	3-digit security code for card validation
cardStatus	xsd:string	30	Card Status: Active, Blocked, Fraud, Permanent Block
cardExpirationDate	xsd:string	4	Expiration date of the added card, format: MMY
cardsReturnedParams	xsd:list		Do not use

Element Name	Data Type	Max Len	Comment / Example Value
<cardError>			
errorCode	xsd:string	5	Code of response
errorMessage	xsd:string	80	Description of error
</cardError>			
</cardReturned>			
</cardsReturned>			

Add Virtual Card Asynchronous

The Add Virtual Card Asynchronous function is used to request a Comdata Virtual Mastercard and immediately receive a request UID to inquire on the status of the payment.

Function:	Add Virtual Card
Web Service Method:	addVirtualCardsASync
Applicable Card Type:	Comdata Virtual MasterCard
Other Notes:	

Request Record – Add Virtual Card Asynchronous

<i>Element Name</i>	<i>Data Type</i>	<i>Max Len</i>	<i>Req</i>	<i>Comment / Example Value</i>
<cards>				
<card> *1 card per request				
accountCode	xsd:string	5	Y	Comdata-assigned Account code
custId	xsd:string	5	Y	Comdata-assigned Customer ID
vendorNumber	xsd:string	30	N	Vendor Number (Supplier Code)
locationCode	xsd:string	25	N	Vendor Sub Number (Location Code)
firstName	xsd:string	20	Y	First name of cardholder. Must be at least three characters. Alphanumeric plus spaces allowed.
lastName	xsd:string	20	Y	Last name of cardholder. Must be at least two characters. Alphanumeric plus spaces allowed.
vendorAddress	vcdom:address	n/a	N	Supplier Address fields (recommended for supplier support)
vendorName	xsd:string	50	N	Supplier Name (required if requesting a remittance advice)
remitEmailTo	xsd:string	50	N	Supplier Email Address1 (required if requesting a remittance advice)
remitEmailCc	xsd:string	50	N	Supplier Email Address 2 (CC)
vendorPhone	xsd:string	10	N	Supplier Phone Number (recommended for supplier support)
vendorFax	xsd:string	10	N	Supplier Fax Number
sendFaxRemittance	xsd:boolean	n/a	N	true = Yes, false = No
taxId	xsd:string	9	N	Tax ID (recommended for supplier support)
paymentDate	xsd:string	10	N	Payment Date (MM/DD/YYYY)
repairOrderNumber	xsd:string	10	N	Repair Order Number
vehicleNumber	xsd:string	17	N	Vehicle/Unit Number
promptedDriverId	xsd:string	17	N	Prompted Driver ID
validateInvoiceData	xsd:boolean	5	N	Do not use

<i>Element Name</i>	<i>Data Type</i>	<i>Max Len</i>	<i>Req</i>	<i>Comment / Example Value</i>
cardExpirationDate	xsd:string	4	N	Card Expiration date provided by customer (MMYY) Overrides AP Buyer Setup selection of Card Expiration Month. Defaults to 3 months if not provided.
numberOfTransactions	xsd:string	3	N	Number Of Transactions Per Card
mustBeExactAmountForAuth	xsd:boolean	5	N	true/false value true – The POS amount must equal the total net amount of the invoices false – The POS amount may be less than or equal to the total net amount of the invoices Default is false
useGLCode1AsDefault	xsd:boolean	5	N	true/false value true – GL Code 1 is the default GL Code assigned Y false – No default is assigned. Default value is false
mcc	xsd:string	4	N	Restrict card usage to vendors assigned to a specific MCC
miscCost	xsd:decimal	10	N	9999999v99
totalLaborCost	xsd:decimal	10	N	9999999v99
totalPartsCost	xsd:decimal	10	N	9999999v99
totalTaxCost	xsd:decimal	7	N	9999v99
openForAirline	xsd:boolean	n/a	N	Restrict card usage to vendors that are assigned this MCC Group true - open, false - closed
openForBusinessServices	xsd:boolean	n/a	N	Restrict card usage to vendors that are assigned this MCC Group true - open, false - closed
openForCarRentals	xsd:boolean	n/a	N	Restrict card usage to vendors that are assigned this MCC Group true - open, false - closed
openForFinancialServices	xsd:boolean	n/a	N	Restrict card usage to vendors that are assigned this MCC Group true - open, false - closed
openForFuel	xsd:boolean	n/a	N	Restrict card usage to vendors that are assigned this MCC Group true - open, false - closed
openForHotels	xsd:boolean	n/a	N	Restrict card usage to vendors that are assigned this MCC Group true - open, false - closed
openForLegalAndInsurance	xsd:boolean	n/a	N	Restrict card usage to vendors that are assigned this MCC Group true - open, false - closed
openForMaintenance	xsd:boolean	n/a	N	Restrict card usage to vendors that are assigned this MCC Group true - open, false - closed

<i>Element Name</i>	<i>Data Type</i>	<i>Max Len</i>	<i>Req</i>	<i>Comment / Example Value</i>
openForMedical	xsd:boolean	n/a	N	Restrict card usage to vendors that are assigned this MCC Group true - open, false - closed
openForMisc	xsd:boolean	n/a	N	Restrict card usage to vendors that are assigned this MCC Group true - open, false - closed
openForMiscTransportation	xsd:boolean	n/a	N	Restrict card usage to vendors that are assigned this MCC Group true - open, false - closed
openForRestaurants	xsd:boolean	n/a	N	Restrict card usage to vendors that are assigned this MCC Group true - open, false - closed
warrantyPeriod	xsd:string	8	N	Warranty period (optional)
warrantyReport	xsd:boolean	n/a	N	true = Yes, false = No
cardParams	xsd:list		N	Do not use
<invoice> Note: There can be 1-999 of invoices per request				
invoiceNumber	xsd:string	20	Y	Invoice Number
invoiceDate	xsd:string	10	Y	Invoice Date (MM/DD/YYYY)
dueDate	xsd:string	10	Y	Due Date (MM/DD/YYYY)
paymentNumber	xsd:string	10	N	Payment Number
invoiceComments	xsd:string	60	N	Invoice Comments
poNumber	xsd:string	15	N	Purchase Order Number
grossAmount	xsd:decimal	10	Y	Gross Amount: 99999999v99
netAmount	xsd:decimal	10	Y	Net Amount: 99999999v99
discAmount	xsd:decimal	10	Y	Discount Amount: 99999999v99

<i>Element Name</i>	<i>Data Type</i>	<i>Max Len</i>	<i>Req</i>	<i>Comment / Example Value</i>
vcInvoiceNumber	xsd:string	15	N	Virtual Card Invoice Number. This field may be used by the Buyer to explicitly identify invoices that will be aggregated when paying multiple invoices to the same Supplier. Whatever is sent in this field will be stored in the AC18 file as the Invoice Number for this MasterCard. If this field is left blank, then the AC18 Invoice number field will also be blank for the Virtual MasterCard (VMC). Note: Whatever is entered in the Virtual Card Invoice No. field for the first record processed for each Supplier Code in an AP Input file will be stored in the AC18 as the Invoice Number for that VMC. This rule applies even to single invoices assigned to a VMC for a Supplier. For a single invoice associated with a VMC, the buyer should therefore enter the same number as the Invoice Number field. Forward Slash (/) and Backward Slash (\) characters must not be entered for "ComdataDirect" transactions.
glCode1	xsd:string	60	N	General Ledger Account1
glCodeAmount1	xsd:decimal	10	N	General Ledger Amount1 99999999v99
glCode2	xsd:string	60	N	General Ledger Account2
glCodeAmount2	xsd:decimal	10	N	General Ledger Amount2 99999999v99
glCode3	xsd:string	60	N	General Ledger Account3
glCodeAmount3	xsd:decimal	10	N	General Ledger Amount3 99999999v99
glCode4	xsd:string	60	N	General Ledger Account4
glCodeAmount4	xsd:decimal	10	N	General Ledger Amount4 99999999v99
invoiceParams	xsd:list		N	Do not use
<subscriber> Note: Optional in some cases				
subscriberFirstName	xsd:string	15	N	Subscriber first name
subscriberLastName	xsd:string	20	N	Subscriber last name
subscriberAddress	vcdom:address	n/a	N	Subscriber Address fields
phone	xsd:string	10	N	Subscriber Phone
subscriberAccountNumber	xsd:string	50	N	Subscriber Account Number
subscriberParams	xsd:list		N	Do not use
</subscriber>				
</invoice>				
</card>				
</cards>				
<options>				

<i>Element Name</i>	<i>Data Type</i>	<i>Max Len</i>	<i>Req</i>	<i>Comment / Example Value</i>
maskCard	xsd:boolean	5	N	true = card number is masked (example: 123456XXXXXX1234) false = unmask card number. Default is true
optionsParams	xsd:list		N	Do not use
</options>				
<cardAddParams>				
cardAddParamName	xsd:string		N	Do not use
cardAddParamValue	xsd:string		N	Do not use
</cardAddParams>				
vcdom:address				
addressLine1	xsd:string	50	Y	First line of the address
addressLine2	xsd:string	50	N	Second line of the address
city	xsd:string	40	Y	Address City
state	xsd:string	5	Y	Address State
zip	xsd:string	10	Y	Address zip code

Response Record - Add Virtual Card Asynchronous

<i>Element Name</i>	<i>Data Type</i>	<i>Max Len</i>	<i>Comment / Example Value</i>
<>			
requestID	xsd:string	40	Unique identifier to inquire the status of the addVirtualCard request
numberOfCardsRequested	xsd:string	4	The number of cards requested in the request
</cardsReturned>			

Get Payment Status by UID

The Get Payment Status by UID function is used to inquire on the status of the AddVirtualCards payment request using a request ID.

Function:	Get virtual card payment status using a request ID.
Web Service Method:	getPaymentStatusByUID
Applicable Card Type:	Comdata Virtual MasterCard
Other Notes:	

Request Record – Get Payment Status By UID

Element Name	Data Type	Max Len	Required?	Comment / Example Value
requestUID	xsd:string		Y	UID received from Async request.
maskCard	xsd:boolean		N	Card should be masked or not.

Response Record – Get Payment Status By UID

Element Name	Data Type	Max Len	Req	Comment / Example Value
status	xsd:string	20	Y	
requestUID	xsd:string	40		
numberOfCardsRequested	xsd:string	4		
cardAddResponseParams	xsd:list		Y	Comdata-assigned Account code of the card
errorMessage	xsd:string	80	N	Comdata-assigned customer ID of the card. Can have multiple listed if no card number or card token is provided.
errorCode	xsd:cardStatus	10	N	Card status: ALL, ACTIVE, BLOCKED, LOST, DELETED, STOLEN, CLEAR, FRAUD, PARTIAL BLOCK, PERMANENT BLOCK, FUEL CODE MOVE (default is ALL) Note: Virtual card statuses: ACTIVE, BLOCKED, FRAUD, PERMANENT BLOCK You will only receive cards in the response for the status entered. Example, if the status is Block, you will only receive blocked cards in the detail list.
<cardsReturned> Note: Will only be present if the status is success.				
<cardReturned> Note: Card element for each numberOfCardsRequested				
Element Name	Data Type	Max Len	Comment/Example Value	
accountCode	xsd:string	10	The page number of the results to return. The card can be pulled on the same date it is added. Once the reply is sent, the card is available.	

<i>Element Name</i>	<i>Data Type</i>	<i>Max Len</i>	<i>Comment/Example Value</i>
custId	xsd:boolean	10	true = card number is masked (example: 123456XXXXXX1234) false = unmask card number. Default is true
cardNumber	xsd:string	20	List of card numbers that are being requested.
cardToken	xsd:string	10	Card
CVC2	xsd:String	3	CVC2
cardStatus	xsd:String	30	Card Status: ACTIVE, BLOCKED, LOST, STOLEN, CLEAR, FRAUD, PARTIAL BLOCK, PERMANENT BLOCK. FUEL CODE MOVE, CHARGE BACK
cardExpirationDate	xsd:String	4	Expiration date of the added card
cardsReturnedParams	xsd:list		Do not use
<cardError>			
errorCode	xsd:string	5	Code of response
errorMessage	xsd:string	80	Message about why the card was not added
</cardError>			
</cardReturned>			
</cardsReturned>			

Get Virtual Card Detail List

The Get Virtual Card Detail List function is used to inquire the current attributes of an existing Comdata Virtual MasterCard. No card updates can be performed. It is an information only request.

Function:	Get Virtual Card Information
Web Service Method:	getVirtualCardDetailList
Applicable Card Type:	Comdata Virtual MasterCard
Other Notes:	

Request Record – Get Virtual Card Detail List

<i>Element Name</i>	<i>Data Type</i>	<i>Max Len</i>	<i>Req</i>	<i>Comment / Example Value</i>
cardLookupParam			N	
acctCustidList			Y	
accCustIdList datatype:				
AccountCodeElement	def:AccoutCodeElement	10		
AccountCodeElement datatype:				
accountCode	xsd:string	10	Y	Comdata-assigned Account code of the card
custId	xsd:string	10	N	Comdata-assigned customer ID of the card. Can have multiple listed if no card number or card token is provided.
Status	xsd:cardStatus	enum	N	Card status: ALL, ACTIVE, BLOCKED, LOST, DELETED, STOLEN, CLEAR, FRAUD, PARTIAL BLOCK, PERMANENT BLOCK, FUEL CODE MOVE (default is ALL) Note: Virtual card statuses: ACTIVE, BLOCKED, FRAUD, PERMANENT BLOCK You will only receive cards in the response for the status entered. Example, if the status is Block, you will only receive blocked cards in the detail list.
sortOption	xsd:sortOption	enum	N	ASC (ascending) or DESC (descending). Default is ASC
maxRows	xsd:string	10	N	Number of cards to return. Max of 10 card details
pageNumber	xsd:string	5	N	The page number of the results to return. The card can be pulled on the same date it is added. Once the reply is sent, the card is available.
maskCard	xsd:boolean	5	N	true = card number is masked (example: 123456XXXXXX1234) false = unmask card number. Default is true
cardNumberList	xsd:string	20	N	List of card numbers that are being requested.

Element Name	Data Type	Max Len	Req	Comment / Example Value
cardTokenList	xsd:string	10	N	Comdata-assigned card tokens for the cards being requested

Response Record – Get Virtual Card Detail List

Element Name	Data Type	Max Len	Comment / Example Value
status	xsd:string	7	Success or Failure
errorCode	xsd:string	5	Displays only if the status is Failure . See Appendix A for possible errors.
errorMessage	xsd:string	50	Displays only if the status is Failure . See Appendix A for possible errors.
card	defs:card		List of card details
card datatype:			
accountNumber	xsd:string	14	Comdata-assigned Account code for the virtual card
additionalAttributes	def:cardParam		Do not use
availableBalance	xsd:string	10	Available balance on the virtual card. Available balance is up to 99,999,999.99. Max amount of each transaction displayed on invoice is 99,999.99. ComdataDirect is 90,000.00.
cardBlockReasonCode	xsd:list	4	Reason code for blocked card
cardBlockReasonDesc		60	Description on blocked card reason code. See Appendix B for possible block codes and descriptions
cardHolder	xsd:string		
cardholder datatype:			
firstName	xsd:string	20	Value assigned to First Name field
lastName	xsd:string	20	Value assigned to Last Name field
cardIssueDate	xsd:string	6	Date the card was issued. mm/dd/yyyy
cardNumber	xsd:string	16	Full 16-digit Virtual MasterCard number. <i>Not a masked field.</i>
cardStatus	xsd:string	20	Card status requested: ALL, ACTIVE, BLOCKED, LOST, DELETED, STOLEN, CLEAR, FRAUD, PARTIAL BLOCK, PERMANENT BLOCK, FUEL CODE MOVE
cardToken	xsd:string	10	Comdata-assigned card token
custId	xsd:string	5	Comdata-assigned customer ID
promptedIDDriver	xsd:string	17	Prompted Driver ID
repairOrderNumber	xsd:string	10	Repair Order Number
vehicleNumber	xsd:string	17	Vehicle/Unit number
pONumber	xsd:string	15	Purchase order number for reporting
dollarAmount	xsd:decimal	10	9999999.99
expirationMMYY	xsd:string	4	Card's expiration date, mm/yy

<i>Element Name</i>	<i>Data Type</i>	<i>Max Len</i>	<i>Comment / Example Value</i>
merchantCardCategory	xsd:string	4	Same as SIC (standard industry code)
openForAirlineMerchantGroup	xsd:boolean	5	Card usage is restricted to this Merchant Category Group. true – open, false – closed
openForBusinessServicesMerchantGroup	xsd:boolean	5	Card usage is restricted to this Merchant Category Group. true – open, false – closed
openForCarRentalsMerchantGroup	xsd:boolean	5	Card usage is restricted to this Merchant Category Group. true – open, false – closed
openForFinancialServicesMerchantGroup	xsd:boolean	5	Card usage is restricted to this Merchant Category Group. true - open, false - closed
openForFuelMerchantGroup	xsd:boolean	5	Card usage is restricted to this Merchant Category Group. true - open, false - closed
openForHotelsMerchantGroup	xsd:boolean	5	Card usage is restricted to this Merchant Category Group. true - open, false - closed
openForLegalAndInsuranceMerchantGroup	xsd:boolean	5	Card usage is restricted to this Merchant Category Group. true - open, false - closed
openForMaintenanceMerchantGroup	xsd:boolean	5	Card usage is restricted to this Merchant Category Group. true - open, false - closed
openForMedicalMerchantGroup	xsd:boolean	5	Card usage is restricted to this Merchant Category Group. true - open, false - closed
openForMiscMerchantGroup	xsd:boolean	5	Card usage is restricted to this Merchant Category Group. true - open, false - closed
openForMiscTransportationMerchantGroup	xsd:boolean	5	Card usage is restricted to this Merchant Category Group. true - open, false - closed
openForRestaurantsMerchantGroup	xsd:boolean	5	Card usage is restricted to this Merchant Category Group. true - open, false - closed
cVC2	xsd:string	3	3-digit security code for card validation
miscCost	xsd:decimal	10	9999999.99
mustBeExactAmountForAuth	xsd:boolean	5	true - The POS amount must equal the total net amount of the invoices false (default) - The POS amount may be less than or equal to the total net amount of the invoices
numberOfTransactions	xsd:string	3	Number of transactions per card
totalLaborCost	xsd:decimal	10	9999999.99
totalPartsCost	xsd:decimal	10	9999999.99
totalTaxCost	xsd:decimal	7	9999.99
vendorInvoiceNumber	xsd:string	15	Vendor Invoice Number
vendorNumber	xsd:string	30	Vendor Number (Supplier Code)
warrantyPeriod	xsd:string	8	Warranty period, life of the warranty
warrantyReport	xsd:boolean	5	true = Yes, false = No
gLCode1	xsd:string	60	General Ledger Account1
gLCode1Amount	xsd:decimal	10	General Ledger Amount1 99999999v99
gLCode2	xsd:string	60	General Ledger Account2
gLCode2Amount	xsd:decimal	10	General Ledger Amount2 99999999v99

<i>Element Name</i>	<i>Data Type</i>	<i>Max Len</i>	<i>Comment / Example Value</i>
glCode3	xsd:string	60	General Ledger Account3
glCode3Amount	xsd:decimal	10	General Ledger Amount3 99999999v99
glCode4	xsd:string	60	General Ledger Account4
glCode4Amount	xsd:decimal	10	General Ledger Amount4 99999999v99

Get Virtual Card Detail List Sample Request and Response

Request:

Oneo

```
<soapenv:Body>
  <main:getVirtualCardDetailListRequest>
    <acctCustidList>
      <acctCustidElement>
        <accountCode>QA100</accountCode>
        <custId>002QA</custId>
        <custId>003QA</custId>
      </acctCustidElement>
    </acctCustidList>
    <status>ACTIVE</status>
    <sortOption>ASC</sortOption>
    <maxRows>1</maxRows>
    <pageNumber>1</pageNumber>
    <maskCard>>false</maskCard>
  </main:getVirtualCardDetailListRequest>
</soapenv:Body>
```

Response:

```
<soapenv:Body>
  <ns6:getVirtualCardDetailListResponse xmlns:ns6="http://vc.comdata.com/main/">
    <status>success</status>
    <pageCount>2058</pageCount>
    <pageNumber>1</pageNumber>
    <rowCount>1</rowCount>
    <card>
      <accountNumber>QA100</accountNumber>
      <availableBalance>123.45</availableBalance>
      <cardHolder>
        <firstName>REALTIME</firstName>
        <lastName>TEST</lastName>
      </cardHolder>
      <cardNumber>556766000029673</cardNumber>
      <cardStatus>ACTIVE</cardStatus>
    </card>
  </ns6:getVirtualCardDetailListResponse>
</soapenv:Body>
```

```
<cardToken>222D63M3U4</cardToken>
<custId>002QA</custId>
<promptedIDDriver>PROMPTEDID</promptedIDDriver>
<repairOrderNumber>REPORDD</repairOrderNumber>
<vehicleNumber>VEHNUM</vehicleNumber>
<poNumber>PONUM</poNumber>
<dollarAmount>123.45</dollarAmount>
<expirationMMYY>0207</expirationMMYY>
<merchantCardCategory/>
<openForAirlineMerchantGroup>>false</openForAirlineMerchantGroup>
<openForBusinessServicesMerchantGroup>>false</openForBusinessServicesMerchantGroup>
<openForCarRentalsMerchantGroup>>false</openForCarRentalsMerchantGroup>
<openForFinancialServicesMerchantGroup>>false</openForFinancialServicesMerchantGroup>
<openForFuelMerchantGroup>>true</openForFuelMerchantGroup>
<openForHotelsMerchantGroup>>false</openForHotelsMerchantGroup>
<openForLegalAndInsuranceMerchantGroup>>false</openForLegalAndInsuranceMerchantGroup>
<openForMaintenanceMerchantGroup>>false</openForMaintenanceMerchantGroup>
<openForMedicalMerchantGroup>>false</openForMedicalMerchantGroup>
<openForMiscMerchantGroup>>false</openForMiscMerchantGroup>
<openForMiscTransportationMerchantGroup>>false</openForMiscTransportationMerchantGroup>
<openForRestaurantsMerchantGroup>>false</openForRestaurantsMerchantGroup>
<cVC2>610</cVC2>
<miscCost>0.4</miscCost>
<mustBeExactAmountForAuth>>false</mustBeExactAmountForAuth>
<numTransactionsAllowedForAuth>1</numTransactionsAllowedForAuth>
<totalLaborCost>0.2</totalLaborCost>
<totalPartsCost>0.1</totalPartsCost>
<totalTaxCost>0.3</totalTaxCost>
<useGLCode1AsDefault>>false</useGLCode1AsDefault>
<vendorInvoiceNumber>VENDINV</vendorInvoiceNumber>
<vendorNumber>VENDNUM</vendorNumber>
<warrantyPeriod>WARPERIO</warrantyPeriod>
<warrantyReport>>false</warrantyReport>
</card>
</ns6:getVirtualCardDetailListResponse>
</soapenv:Body>
```

Resend Remittance

The Resend Remittance function enables you to resend remittance advices to vendors. Use this feature in the event a vendor has not processed a payment.

Function:	Resend Remittance
Web Service Method:	resendRemittance
Applicable Card Type:	Resend an email remittance advice.
Other Notes:	

Request Record – Resend Remittance

<i>Element Name</i>	<i>Data Type</i>	<i>Max Len</i>	<i>Req</i>	<i>Comment / Example Value</i>
<resendRemittanceRequest>				
accountCode	xsd:string	5	Y	Comdata-assigned account number
custId	xsd:string	5	Y	Comdata-assigned customer ID
cardIdentifierType	xsd:string	1	Y	Accepted values: C or c - Card number, T or t - Card Token
cardIdentifier	xsd:string	16	Y	Card number (16-digit card number) Card token (10-digit alphanumeric token)
remitEmailTo	xsd:string	50	Y	Supplier email address. Example: user@domain.com
ccEmailTo	xsd:string	50	N	Supplier Email Address 2 (CC); up to two allowed. Example: user@domain.com
maskCardInResponse	xsd:boolean	5	N	Controls whether the card number is masked in the web service response record.
<resendRemittanceParams>				
paramName	xsd:string	80	Y	Do not use
paramValue	xsd:string	5	Y	Do not use
</resendRemittanceParams>				
</resendRemittanceRequest>				

Response Record – Resend Remittance

If status element is Failure

<i>Element Name</i>	<i>Data Type</i>	<i>Max Len</i>	<i>Comment / Example Value</i>
<resendRemittanceResponse>			
status	xsd:string	7	Failure
errorCode	xsd:string	8	Numeric code indicating a particular error occurred with the request
errorMessage	xsd:string	80	Descriptive message explaining the error code
</resendRemittanceResponse>			

If status element is Success

<i>Element Name</i>	<i>Data Type</i>	<i>Max Len</i>	<i>Comment / Example Value</i>
<resendRemittanceResponse>			
status	xsd:string	7	Success
accountCode	xsd:string	5	Comdata-assigned account code
custId	xsd:string	5	Comdata-assigned customer ID
cardNumber	xsd:string	20	16-digit card number entered in request
cardToken	xsd:string	10	Card token associated to card number, if applicable
remitEmailTo	xsd:string	50	Supplier email address. Example: user@domain.com
ccEmailTo	xsd:string	50	Supplier Email Address 2 (CC); up to two allowed. Example: user@domain.com
<resendRemittanceResponseParams>			
paramName	xsd:string	80	Do not use
paramValue	xsd:anyType		Do not use
</resendRemittanceResponseParams>			
</resendRemittanceResponse>			

Update Virtual Card

The Update Virtual Card function is used to update the attributes of a Comdata Virtual MasterCard.

Function:	Updating Virtual Cards
Web Service Method:	updateVirtualCard
Description:	Ability to update Virtual Cards
Other Notes:	

Request Record – Update Virtual Card

<i>Element Name</i>	<i>Data Type</i>	<i>Max Len</i>	<i>Req</i>	<i>Comment / Example Value</i>
<updateVirtualCardRequest>				
cardIdentifierType	xsd:string	1	Y	Method for updating the virtual card. Accepted values: C or c - Card Number, T or t - Card Token
cardIdentifier	xsd:string	16	Y	Card number (16-digit card number) or Card token (10-digit alphanumeric token)
netAmount	xsd:string		N	Total dollar amount on card; 99999999v99
checkInDate	xsd:string		N	Update check in date on Virtual Card for Travel (VCT) virtual cards.
checkOutDate	xsd:string		N	Update check out date on Virtual Card for Travel (VCT) virtual cards.
numTransactions	xsd:string		N	Number of transactions for the card (max: 999)
vendorInvoiceNumber	xsd:string		N	Vendor Invoice Number
vendorNumber	xsd:string		N	Vendor Number (Supplier Code)
poNumber	xsd:string		N	Purchase order number for reporting
miscCost	xsd:string		N	Miscellaneous cost; 99999999v99
remitEmailTo	xsd:string		N	Supplier Email Address; example: user@domain.com
vendorFax	xsd:string		N	Supplier Fax Number
<cardAddParams>				
cardAddParamName	xsd:string		N	Do not use
cardAddParamValue	xsd:string		N	Do not use
</cardAddParams>				
</updateVirtualCardRequest>				

Response Record – Update Virtual Card

<i>Element Name</i>	<i>Data Type</i>	<i>Max Len</i>	<i>Comment / Example Value</i>
status	xsd:string	7	Success or Failure
errorCode	xsd:string	5	Displays only if the status is Failure . See Appendix A for possible errors.
errorMessage	xsd:string	50	Displays only if the status is Failure . See Appendix A for possible errors.

Appendix A. - Error Messages

Error Code	Error Message	Error Description
00075	No Credit/Cut off – Driver Call Company	This error will be returned if the account exceeds the credit limit and a transaction is requested on the account.
00498	Customer Number is required	
00582	Code word cannot be blank	
00671	Account Number is required	
01067	Security Code is Invalid	
01092	Supplier Code cannot be blank	
01099	Invoice Number cannot be blank	
01100	Invalid Invoice Date Format	
01101	Invalid Due Date Format	
01103	Supplier email address 1 has invalid format	
01104	Supplier email address 2 has invalid format	
01106	INVALID SUPPLIER MAIL ADDRESS	This error code will be returned if a biller is found with the provided Supplier Code and Location Code (if provided), but the biller is set to receive remittances through mail and both the mailing address and physical address on file for this biller is invalid.
01108	No Email Address Found for Email Enrolled Vendor	This error code will be returned if a biller is found with the provided Supplier Code and Location Code (if provided) and is set to receive remittances through email but an email is not associated with that biller in the Comdata Vendor Portal and is not provided on Message.
01117	Invalid Vendor Information Provided.	This will be returned for any record that does not have an email1 and no biller information can be found with the provided Vendor Number and Location Sub Number (if provided).
01140	TOTAL INVOICE AMOUNT FOR THIS SUPPLIER IS NOT > ZERO	This error will be returned for any records on a PS20 that are on the same card where the total net amount for that card is less than or equal to 0.
01154	Invalid vendor enrollment status	Only Applicable to ComdataDirect customers. This error code will be returned if a ComdataDirect payment request received for a vendor is not in Enrolled Status.
01155	No vendor banking information available	Only Applicable to ComdataDirect customers. This error code will be returned if a ComdataDirect payment request received but no Bank Information found for the vendor.
01156	Incomplete vendor banking information	Only Applicable to ComdataDirect customers. This error code will be returned if a ComdataDirect payment request received but no Valid Bank Information found for the vendor.

Error Code	Error Message	Error Description
01162	Duplicate Payment Request Record	This error will be returned only if the check for duplicates option is selected in AP Buyer Setup. When this option is selected, duplicate records are not allowed. There are seven fields that are checked for duplication: Account Nbr, Customer Id, Supplier Code, Invoice Nbr, Virtual Card Invoice Nbr, Due Date, and Net Amount.
01163	No customer vendor information	Only Applicable to ComdataDirect customers. This error code will be returned if a ComdataDirect payment request received for a vendor not found in the system.
01180	Subscriber Name is required	Note: Applies to BPP (Bill Pay Provider) only.
01181	Subscriber Account Number at the Biller is required	Note: Applies to BPP (Bill Pay Provider) only.
01188	Gross Amount is Invalid	This error will be returned if a non-numeric value was provided in the Gross amount field. Negative symbols are allowed.
01189	Net Amount is Invalid	This error will be returned if a non-numeric value was provided in the Net amount field. Negative symbols are allowed.
01190	Discount Amount is Invalid	This error will be returned if a non-numeric value was provided in the discAmount field. Negative symbols are allowed.
01191	Invalid Invoice Number	This error will be returned if the Invoice Number value contains back or front slash characters ("\" or "/"). This applies to ComdataDirect transactions only. MasterCard transactions are not impacted by this validation.
01192	Invalid Virtual Card Invoice Number	This error will be returned if the Virtual Card Invoice Number value contains back or front slash characters ("\" or "/"). This applies to Comdata Direct transactions only. MasterCard transactions are not impacted by this validation.
01196	MESSAGE_FORMAT_ERROR	This error will be returned if the message received by the API is not following the specification.
000022	Card not found	The card was not found in the system as specified.
000105	Account code is required	
000112	User does not have access to this operation or has exceeded request limit	
003001	<fieldname> is not formatted properly	The error message varies depending on which field is improperly formatted.
003011	No access to any customer IDs	
003003	XML request does not contain the required tags	The error message varies depending on which field is missing.
003045	One or more invalid customer IDs	
003046	One or more invalid card numbers	
003047	One or more invalid card tokens	
006102	Card could not be parsed properly	Equivalent to a system error
006104	System communication error	Equivalent to a system error

Error Code	Error Message	Error Description
006111	Updating virtual card failed	
006112	Unable to find Card Token	
006113	checkInDate is a past date	checkInDate should not be a past date.
006114	checkOutDate is before the checkInDate.	checkOutDate should not be before the checkInDate.
99999	System Error - Contact Comdata	Returned for any records that the card could not be created for. Please contact Comdata to resolve this issue.
Default	Payment Request Cannot be processed. Please Contact Comdata.	This includes all other errors that are not covered with other error codes. Contact Comdata to resolve this issue.

Appendix B. – Block Reason Codes and Descriptions

Card Block Reason Code	Card Block Reason Description
1	Comdata Automated Block - Unknown Reason
2	Comdata Internal – Payee Opt Out
3	Comdata Automated Block – Net Credit Remaining Rule
4	Comdata Automated Block – Force Post – Under Card Rule
5	Payment Limit Cap
6	Overpayment
7	Partial Payment
8	Online Only
9	Security
10	Advisory Details Not Matching
11	Threshold
56	VP Prefund Block
57	VP Auto Block
100	CR – Payee Opt Out
101	CR – Incorrect Payee
102	CR – Void Card
103	CR – Duplicate Payment
104	CR – Payment Reissued
200	Vehicle out of Service
201	New Vehicle
203	Vehicle Sold
204	Vehicle Transferred
205	Temporary Vehicle
300	Card Damaged
400	New Cardholder
401	Cardholder Transfer
402	Cardholder Leave
403	Cardholder Vacation
404	Cardholder Termed
405	Cardholder Out of Service
9000	Expired Card Block