



# CSP On-Demand API

Developer Guide

Feb 2024

## Document Version: 1.32

## Valid For API Version: 1.3.38

## Document Modified History

Changed By	Items Changed	Date
Chris Gillespie	Added: IP White Listing Message Signing (X.509) XML Signature  Modified: SendFax() – Corrected <i>MaxLengh</i> on @DevlaredNumber Appendices – Advanced Card Controls (moved) Appendices – TripPay rebranded Appendices – WebPay rebranded CPO	01 <sup>st</sup> July 2020 (1_29)
Chris Gillespie	Modified:  Corrected Get Card Activity request formatting.	16 Jun 2021 (1_30)
Chris Gillespie	Modified: Removed reference to SingleUseOnly ACC	01 Sep 2021 (1_31)
Chris Gillespie	Updated document template	02 March 2022 (1_32)

# Index

- DOCUMENT VERSION: 1.32** ..... 2
- VALID FOR API VERSION: 1.3.38** ..... 2
- DOCUMENT MODIFIED HISTORY** ..... 2
- INDEX** ..... 3
  - BRIEF ..... 5
  - ASSUMPTIONS ..... 5
- CSP ON-DEMAND API** ..... 6
  - PURPOSE ..... 6
  - TRANSPORT ..... 6
  - SECURITY ..... 6
    - Card Pool Access* ..... 7
    - IP White Listing* ..... 7
    - Message Signing (X.509) XML Signature* ..... 8
- MESSAGES** ..... 9
  - SOAP ENVELOPE ..... 9
    - Audit Header* ..... 10
    - SOAP Action HTTP Header* ..... 10
  - ERRORS ..... 10
  - VERSIONING ..... 11
  - TIME ZONE ..... 11
  - MOBILE IMPLEMENTATION MODEL ..... 12
- GENERIC PROCESS** ..... 12
  - GET CARD ..... 12
    - Input* ..... 12
    - Output* ..... 15
- HOTEL PROCESS** ..... 17
  - GET CARD ..... 17
    - Input* ..... 17
    - Output* ..... 21
  - SEND FAX ..... 23
    - Fax Number Format* ..... 23
    - Test Fax Number* ..... 23
    - Send Email using SendFax* ..... 23
      - Input* ..... 23
      - Output* ..... 24
- AIR PROCESS** ..... 25
  - GET CARD ..... 25
    - Input* ..... 25
    - Output* ..... 29
- RAIL PROCESS** ..... 30
  - GET CARD ..... 30
    - Input* ..... 30
    - Output* ..... 34
- CAR RENTAL PROCESS** ..... 35
  - GET CARD ..... 36
    - Input* ..... 36
    - Output* ..... 40
- GET DEPLOYMENT** ..... 42
  - GET DEPLOYMENT ..... 42
    - Input* ..... 42
    - Output* ..... 42
- UPDATE DEPLOYMENT** ..... 46
  - UPDATE DEPLOYMENT ..... 46
    - Input* ..... 46

- Output* ..... 51
- GET BIN**..... **52**
- GET BIN ..... 53
- Input* ..... 53
- Output* ..... 53
- GET CARD ACTIVITY** ..... **54**
- SUPPORTED CARD ISSUERS ..... 54
- GET CARD ACTIVITY ..... 54
- Input* ..... 54
- Output* ..... 54
- GET MESSAGE QUEUE** ..... **55**
- GET MESSAGE QUEUE..... 55
- Input* ..... 56
- Output* ..... 56
- GET CARD POOL BALANCE**..... **57**
- GET CARD POOL BALANCE ..... 57
- Input* ..... 57
- Output* ..... 58
- APPENDICES** ..... **59**
- ENUMERATIONS ..... 59
- Deployment Status* ..... 59
- Deployment Types* ..... 59
- Card Types* ..... 59
- FINANCIAL PARTNERS ..... 59
- TOLERANCES ..... 60
- ANCILLARIES AND SERVICE FEES ..... 61
- AIR DATA..... 61
- Air Route Format* ..... 61
- Air Ancillaries – EMD Group Codes*..... 62
- Air Ancillaries – EMD Reason for Issuance Codes*..... 62
- FINANCIAL PARTNER DATA SUBMISSION ..... 62
- WebPay Override*..... 63
- AirPlus International Supported Mapping (Europe)*..... 63
- AirPlus International Supported Mapping (US)*..... 63
- American Express vPayment Supported Mapping* ..... 64
- American Express vNG Platform Supported Mapping* ..... 64
- Citi Supported Mapping*..... 64
- Royal Bank of Scotland Supported Mapping*..... 64
- WEX Europe Supported Mapping* ..... 65
- WEX Inc. Supported Mapping*..... 65
- CONFERMA PAY ONLINE APPROVAL SUPPORT ..... 65
- CONFERMA PAY MOBILE APP SUPPORT ..... 66
- Mobile OS Support*..... 66
- AIRPLUS INTERNATIONAL UATP SWITCH..... 66
- ADVANCED CARD CONTROLS ..... 67

## Brief

This document outlines the CSP On-Demand API. This API facilitates the creation and management of virtual card numbers.

The CSP On-Demand development process is designed for ease of use and speed of integration. As a business to business application it is written to allow users to quickly take advantage of powerful card based technologies while minimising the impact on corporate recourses and development time.

This document describes five scenarios for the deployment of card technologies, four are specific to their industries (Air, Hotel, Rail and Car Rental) and a Generic process for all other application development. The Air, Hotel, Rail and Car Rental scenarios serve to highlight how the Generic process can be developed in specific industry sectors where further system integration is required.

## Assumptions

This document assumes the reader is of technical ability with a view of implementing the stated design as either the owner or consumer of the API.

This API is written with consideration to expand to more spend types.

The API is a stateless service.

## CSP On-Demand API

### Purpose

It is required for third parties to connect to the Conferma platform via web services to facilitate card deployments for payments of varied products.

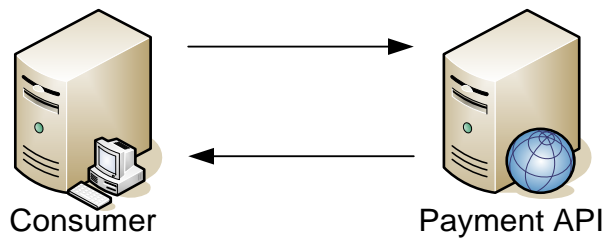
Communication of cards to suppliers can be initiated by the Conferma Settlement Platform (CSP) at a specified time or the system will return a card to the consumer of the API immediately.

The API will facilitate the ability for dynamic card deployment of a generic structure; to say that the consumer will simply ask for a card and pass generic data values to the API to be stored with to the deployment record. Conferma will respond with a card for use.

The API will allow connectivity to varied card suppliers. Please review the appendices for the latest listing.

### Transport

Communication to CSP On-Demand is via HTTP with TLS (HTTPS). HTTPS is an open protocol accessible by a large number of programming languages. This will ensure simple data transfer that is encrypted between client and server, in both directions.



The data transmitted to Conferma will be XML. The XML will conform to SOAP Basic Profile 1.1.

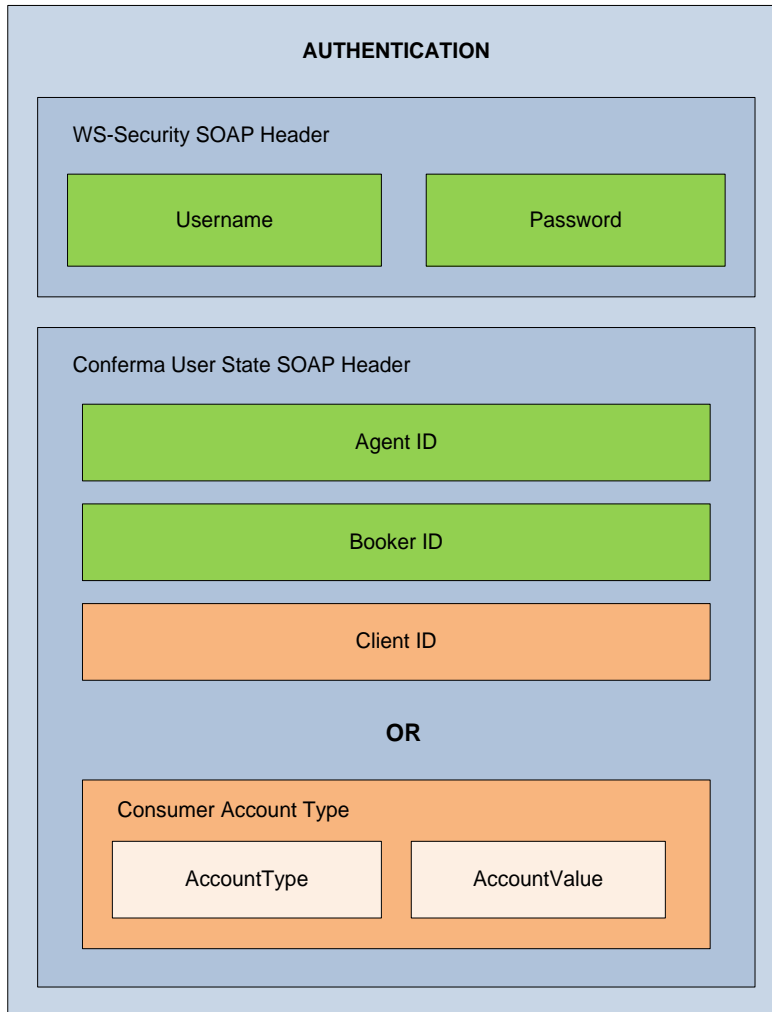
### Security

Using HTTPS, the data will be encrypted at the client for transport and decrypted at the server. The request must contain a Username and Password using the WS-Security header. This will identify the User to the Conferma Settlement Platform and enable processing of the request. Users with invalid requests will be denied access.

The security model implemented is named Username-Over-Transport.

## Card Pool Access

A number of values are required to access a card pool. The request contains the mandatory GREEN values in the below diagram. In addition, one of the ORANGE values can be submitted.



Access to a collection of cards can be determined by a SOAP header stating a Client ID. The Client ID is issued by Conferma.

Alternatively, if the consumer of the web service does not want to manage the Conferma Client ID, they can instead use the *ConsumerAccountCode* element in the *ConfermaUserStateHeader*. This object allows third parties to store their client identifiers within CSP, associated to the client account, reducing the development cost. For instance Company A may have an identifier of 123456 at Demo Travel Ltd. The identifier can be stored at Conferma and the following XML can be passed to Conferma.

```
<ConsumerAccountCode Type="DEMOTRAVELID" Code="123456" />
```

For an XML example, see SOAP Envelope for further information.

## IP White Listing

The CSP On Demand API is controlled to only allow access from registered IP addresses. These IP addresses will be associated to each integration.

Attempts to communicate to the API from a unrecognised IP address will be denied.

IP addresses of integrating parties must be provided during certification.

## Message Signing (X.509) XML Signature

The API supports the digital signing of each SOAP message using a standard Signature header.

An x.509 certificate must be produced by the integrating party; the public certificate will be shared with Conferma Pay.

Conferma Pay follow a formal cryptography request process as part of third-party integration. A Cryptography Artefact Request (CAR) form will be issued, do not share certificates with any party that is not named on the CAR document.

The XML signature verification process will also enforce the following algorithm whitelist:

### Signature Methods

<http://www.w3.org/2001/04/xmldsig-more#rsa-sha256>

<http://www.w3.org/2001/04/xmldsig-more#rsa-sha384>

<http://www.w3.org/2001/04/xmldsig-more#rsa-sha512>

### Digest Methods

<http://www.w3.org/2001/04/xmlenc#sha256>

### Colonization Methods

<http://www.w3.org/2001/10/xml-exc-c14n#>

Use of other algorithms for signature generation will cause the signature to be rejected.

The entire SOAP document must be considered when creating the signature.

### Signature Example

```
<Signature xmlns="http://www.w3.org/2000/09/xmldsig#">
  <SignedInfo>
    <CanonicalizationMethod Algorithm="http://www.w3.org/2001/10/xml-exc-c14n#" />
    <SignatureMethod Algorithm="http://www.w3.org/2001/04/xmldsig-more#rsa-sha256" />
    <Reference URI="">
      <Transforms>
        <Transform Algorithm="http://www.w3.org/2000/09/xmldsig#enveloped-signature" />
      </Transforms>
      <DigestMethod Algorithm="http://www.w3.org/2001/04/xmlenc#sha256" />
      <DigestValue>{DigestValue}</DigestValue>
    </Reference>
  </SignedInfo>
  <SignatureValue>{SignatureValue}</SignatureValue>
  <KeyInfo>
    <X509Data>
      <X509Certificate>{X509Certificate}</X509Certificate>
    </X509Data>
  </KeyInfo>
</Signature>
```



## Messages

CSP On-Demand will have a number of methods available for consumers to call. These messages are detailed below. All messages will be wrapped in a SOAP envelope.

### SOAP Envelope

SOAP (Simple Object Access Protocol) is a protocol specification for exchanging structured information in the implementation of Web Services in computer networks. It relies on eXtensible Markup Language (XML) as its message format relies on SSL over HTTP for message negotiation and transmission.

Below is an example of a CSP On-Demand SOAP Envelope.

```
<?xml version="1.0" encoding="utf-8" ?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:wsa="http://schemas.xmlsoap.org/ws/2004/08/addressing" xmlns:wsse="http://docs.oasis-
open.org/wss/2004/01/oasis-200401-wss-wssecurity-secext-1.0.xsd" xmlns:wsu="http://docs.oasis-
open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd">
  <soap:Header>
    <!-- User State Header ->
    <ConfermaUserStateHeader xmlns="http://cpapi.conferma.com/">
      <!-- Unique ID for consumer. ->
      <AgentID>{AGENTID}</AgentID>
      <!-- Unique ID for client. This value will change pending what client the
consumer selects. ->
      <ClientID>{CLIENTID}</ClientID>
      <!-- Unique ID for booker - this will pair with the consumer. ->
      <BookerID>{BOOKERID}</BookerID>
      <!--Consumer based card account selection. ->
      <!-- @Type = Declare the type of account code being used to select the card.
Eg SABREDK ->
      <!-- @Code = Deckare the account code to select the card account. ->
      <ConsumerAccountCode Type="{AccountType}" Code="{AccountCode}" />
    </ConfermaUserStateHeader>
    <!-- Audit Header ->
    <!-- @PlatformUsername = Local username within your system. Eg johnsmith ->
    <!-- @Context = Text description why the action is being performed. ->
    <Audit PlatformUsername="{PlatformUsername}" Context="{Context}"
xmlns="http://cpapi.conferma.com/" />
    <wsa:Action>http://cpapi.conferma.com/GetCard</wsa:Action>
    <wsa:MessageID>urn:uuid:54126908-df1c-4cab-b527-4d0a03ff787e</wsa:MessageID>
    <wsa:ReplyTo>

    <wsa:Address>http://schemas.xmlsoap.org/ws/2004/08/addressing/role/anonymous</wsa:Address>
    </wsa:ReplyTo>
    <wsa:To>https://test-papi.conferma.com/v1/Service.asmx</wsa:To>
    <wsse:Security soap:mustUnderstand="1">
      <wsse:UsernameToken
xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-
1.0.xsd" wsu:Id="SecurityToken-8ff8bb79-1396-421c-8889-af340e3ac8d4">
        <!-- API Username. Unique to a consumer. ->
        <wsse:Username>APIKEY: {APIKEY} | CONSUMER: {CONSUMER} | SERVER: {SERVER}</wsse:Username>
        <!-- API Password. Unique to a consumer. ->
        <wsse:Password Type="http://docs.oasis-open.org/wss/2004/01/oasis-
200401-wss-username-token-profile-1.0#PasswordText">{PASSWORD}</wsse:Password>
        <wsse:Nonce>bvv4ppkZdHptvQSB/OxxAA==</wsse:Nonce>
      </wsse:UsernameToken>
    </wsse:Security>
  </soap:Header>
  <soap:Body>

    <!--BODY CONTENT ->

  </soap:Body>
</soap:Envelope>
```

### Audit Header

The *Audit* SOAP Header within every request to Conferma. It can be used to record the individual Username within the Consumers system and the Context of why the request is being made.

Field Name	Level	Max Length	Description
@PlatformUsername	0	50	Mandatory. Username within the Consumer system.
@Context	0	100	Mandatory. Reason why the request is being made.

### XML Example

```
<Audit PlatformUsername="JohnSmith" Context="New booking" xmlns="http://cpapi.conferma.com/" />
```

The Audit information recorded at a Deployment level and is viewable within WebPay.

### SOAP Action HTTP Header

Each API request made to the CSP On-Demand API must contain a SOAPAction HTTP header. This header in combination with the SOAP Envelope directs the message to the correct web method interface.

The HTTP request headers should be similar to the below.

```
POST /v1_3/Service.asmx HTTP/1.1
Host: test-papi.conferma.com
Content-Type: text/xml; charset=utf-8
Content-Length: 1024
SOAPAction: "http://cpapi.conferma.com/GetCard"
```

The SOAPAction header value must match the appropriate API call that is being requested, as per the list below. The SOAPAction header value must be within double-quotes.

Web Method	SOAP Action Value
GetBIN	"http://cpapi.conferma.com/GetBIN"
GetCard	"http://cpapi.conferma.com/GetCard"
GetCardActivity	"http://cpapi.conferma.com/GetCardActivity"
GetDeployment	"http://cpapi.conferma.com/GetDeployment"
GetMessageQueue	"http://cpapi.conferma.com/GetMessageQueue"
Ping	"http://cpapi.conferma.com/Ping"
SendFax	"http://cpapi.conferma.com/SendFax"
UpdateDeployment	"http://cpapi.conferma.com/UpdateDeployment"

### Errors

The CSP On-Demand API uses SOAP Faults for errors that occur with requests, be it the consumer sending invalid data, breaking business rules or issues with the CSP On-Demand API we will report back via the SOAP Fault format with accurate data.

The data includes:-

- A flag stating who is at fault; server or client.
- An appropriate error code.
- An error message.

- Suggested solution to correct the error.

```
<soap:Fault>
<faultcode>soap:Client</faultcode>
<faultstring>EXML015: The arrival date is set to less than todays date.</faultstring>
<detail>
<Error Code="EXML015" Description="The arrival date is set to less than todays date." Solution="Set
the arrival date to greater or equal to todays date." />
</detail>
</soap:Fault>
```

The typical SOAP Fault design has been expanded a little by actually implementing an extra XML element inside the *detail* element. The *Error* element notes varied attributes, which when used appropriately can enable strong handing of consumer application workflow (such as throwing appropriate user errors).

Error codes within the CSP On-Demand API are detailed in the separate *CSPOn-DemandAPI-ErrorCodes* document.

The error codes follow a particular format; E<fault area><error number>.

Error Example	Fault Area	Description
EXML001	XML Request Document	There is a problem with the xml document the consumer sent to Conferma.
ECSP001	CSP	CSP encountered an error.
EBRL001	Business Rule	A fault occurred with a business rule. The request may not conform to the rules.
ESEC001	Security	A permissions error occurred.
ETPS001	Third Party System	A third party system threw an error.
EDAO001	Database	Conferma encountered an error with the database (the consumer should never see this error – but should be aware of the code).
ECOM001	Network Communication	A communication error occurred, possibly between the CSP On-Demand API and CDTS.

## Versioning

As newer versions become available consumers will be informed, enabling them to upgrade if they wish to conform to the latest schema and take advantage of the latest features.

Older versions of the schema will continue to be supported by the Conferma team and will continue to run at the same address (rarely should older application addresses change, but in the case this occurs, developers should not hardcode the CSP On-Demand API URL).

The format of the version address is below:-

```
Format: https://<domain>/<version>/Service.asmx
Example: https://cpapi.conferma.com/v1/Service.asmx
```

## Time Zone

The CSP On-Demand API operates in GMT.

To ensure card date restrictions are applied correctly, ensure *Request.General.PaymentRange@StartDate* and *Request.General.PaymentRange@EndDate* XML attributes both set as the current GMT date.

## Mobile Implementation Model

Applications executing locally on a mobile device cannot connect directly to the CSP On-Demand API. You must not store or expose CSP On-Demand API credentials on a mobile device.

Implementations into mobile applications must be via a server based proxy which you must maintain.

## Generic Process

The Generic Process is an immediate deployment.

The Generic Process is the simplest implementation to any development where there is a necessity to place a traceable virtual card into the payment process. Cards can be used in circumstances such as accommodation, air, car rental and rail purchasing.

## Get Card

To submit a generic card request the *GetCard* web method should be used.

### Input

Field Name	Level	Max Length	Description
@Type	0	Enum	Mandatory. Declares the type of immediate deployment. This should be set to General.
@ReturnCVV	0	Bool	Optional. Declare whether to return the CVV.
@ReturnBillingAddress	0	Bool	Optional. Declare whether to return the Billing Address of the card.
@Version	0	Integer	Mandatory. Set to current version: "2".
General	0		Mandatory. Generic information about the deployment.
General/Name	1	50	Mandatory. A title to describe the purchase.
General/ConsumerReference	1	50	Mandatory. A reference to uniquely describe the purchase from the consumers system.
General/PaymentRange@StartDate	1	16	Mandatory. The date the card needs to be deployed from in the format YYYY-MM-DD. Date only; do not include a time component.
General/PaymentRange@EndDate	1	16	Mandatory. The date the card needs to be returned to the pool in the format YYYY-MM-DD. Date only; do not include a time component.
General/Amount@Value	1	10	Mandatory. Amount to assign to the card.
General/Amount@Currency	1	=3	Mandatory. Currency of assign amount.
General/InvoiceAmount@Value (v.2)	1	10	Optional. Additional amount field to allow capture of invoice amount where a

			different deployment amount is required.
General/InvoiceAmount@Currency (v.2)	1	=3	Optional. Currency of assigned invoice amount.
General/Customer	1		Optional. Customer information.
General/Customer@ID	1	50	Optional. MVP.ID of customer to associate to the deployment. Useful for a single card account being used for multiple customers.
General/Customer@Name	1	50	Optional. Name of customer to associate to the deployment. Useful for a single card account being used for multiple customers.
General/PNR	1		Optional. PNR information.
General/PNR@Locator	1	20	Optional. MVP. PNR Locator.
General/PNR@WorkArea	1	10	Optional. MVP. Booking location of PNR, PCC or OfficeID.
General/PNR@SegmentStatus	1	Enum (NotSet, Online or Passive)	Optional. MVP. Status of segment.
General/Platform	1		Optional. Platform information.
General/Platform@Username	1	50	Optional. MVP. Username of user deploying card via requesting application.
Identifiers	0		Optional. MVP. Optional data fields the consumer can submit.
Identifiers[0]/Identifier@Key	1	50	Optional. MVP. The identifier key value.
Identifiers[0]/Identifier@Value	1	200	Optional. MVP. The identifier value.
Identifiers[0]/Identifier@ReportKey	1	50	Optional. MVP. The identifier report key (used for Card Issuer data handoff. Contact Conferma for more information).
Supplier	0		Optional. MVP. Supplier information about the deployment.
Supplier@ID	0	50	Optional. MVP. Your ID for the supplier.
Supplier@Name	0	100	Optional. MVP. Name for the supplier.
Supplier/Reference	1	50	Optional. MVP. The reference the supplier provides for the purchase.
Supplier/Address	1		Optional. The address details for the supplier.
Supplier/Address/Address1	2	100	Optional. MVP. Line 1 of the suppliers address.
Supplier/Address/Address2	2	100	Optional. Line 2 of the suppliers address.
Supplier/Address/City	2	100	Optional. MVP. Suppliers address city name.
Supplier/Address/PostalOrZipCode	2	30	Optional. MVP. Suppliers postal or zip code.

Supplier/Address/CountryCode	2	=2	Optional. MVP. ISO country code of supplier.
Supplier/Address/Telephone	2	30	Optional. Suppliers telephone number.
Supplier/Address/Fax	2	30	Optional. Suppliers fax number.
Supplier/Address/Email	2	100	Optional. Suppliers email address.
Ancillaries	0		Optional. Ancillary's collection.
Ancillaries[0]/Ancillary	1		Mandatory. Ancillary object.
Ancillaries[0]/Ancillary@Reference	1	50	Mandatory. Your reference for the ancillary.
Ancillaries[0]/Ancillary@Description	1	200	Mandatory. Description of the ancillary.
Ancillaries[0]/Ancillary@Status	1	Enum	Mandatory. Status of the ancillary; Confirmed or Cancelled.
Ancillaries[0]/Ancillary/Amount	2		Mandatory. Amount object to detail the price of the ancillary.
Ancillaries[0]/Ancillary/ Amount@Value	2	10	Mandatory. Cost of the Ancillary.
Ancillaries[0]/Ancillary/ Amount@Currency	2	=3	Mandatory. 3 character ISO currency code related to the ancillary cost.
ServiceFees	0		Optional. Collection of <i>ServiceFee</i> objects.
ServiceFees[0]/ServiceFee	1		Mandatory. If a <i>ServiceFee</i> is <i>relevant</i> , the <i>ServiceFee</i> node should be created. Multiple <i>ServiceFee</i> objects can be added to a Deployment
ServiceFees[0]/ServiceFee@Reference	1	50	Mandatory. Unique Reference for the Service Fee.
ServiceFees[0]/ServiceFee@Description	1	100	Mandatory. Description of the service fee.
ServiceFees[0]/ServiceFee@ChargeDate	1	10	Mandatory. Date the Service Fee accrued.
ServiceFees[0]/ServiceFee@Amount	2		Mandatory. Amount object of the Service Fee.
ServiceFees[0]/ServiceFee@Amount @Value	2	10	Mandatory. Cost of the Service Fee.
ServiceFees[0]/ServiceFee@Amount @Currency	2	=3	Mandatory. 3 character ISO currency code.

**Example XML**

```

<GetCard>
  <GetCardRequest Type="General" ReturnCVW="true" Version="1" >
    <General>
      <Name>Bales of Hay</Name>
      <ConsumerReference>13245654</ConsumerReference>
      <PaymentRange StartDate="2009-01-18" EndDate="2009-01-24" />
      <Amount Value="850.00" Currency="GBP" />
      <PNR Locator="ABCDEF" />
      <Platform Username="stuardavenport" />
      <Customer ID="1234ABC" Name="Big Corp" />
    </General>
    <Identifiers>
      <Identifier Key="MyCustomKey1" Value="MyCustomValue1" />
      <Identifier Key="MyCustomKey2" Value="MyCustomValue2" />
      <Identifier Key="MyCustomKey3" Value="MyCustomValue3" />
    </Identifiers>
  </GetCardRequest>
</GetCard>

```

```

    <Identifier Key="MyCustomKey4" Value="MyCustomValue4" />
    <Identifier Key="MyCustomKey5" Value="MyCustomValue5" />
  </Identifiers>
</GetCardRequest>
</GetCard>

```

## Output

In response to the *GetCard* web method the following response is returned. Any errors will have been raised in a SOAP Fault.

The response will contain a card that has been uniquely assigned to the purchase for use in the consumers transaction.

Field Name	Level	Description
@Type	0	The type of transaction made.
DeploymentID	0	Declares CPAPI Deployment ID.
General	0	Contains the submitted details.
General/Name	1	Consumer stated deployment name.
General/ConsumerReference	1	Consumer stated reference.
General/PaymentRange@StartDate	1	Date of card deployment.
General/PaymentRange@EndDate	1	Date of card pool return.
General/Amount@Value	1	Booked amount.
General/Amount@Currency	1	Booked amount currency.
General/InvoiceAmount@Value (v.2)	1	Invoice amount. Only visible when version 2 specified on request.
General/InvoiceAmount@Currency (v.2)	1	Invoice amount currency. Only visible when version 2 specified on request.
Card	0	Deployed card details
Card/Name	1	Name on card.
Card/Number	1	Long number across the front of the card.
Card/Type	1	Type of card. AX CA VI etc...
Card/ExpiryDate@Month	1	Card expiry month.
Card/ExpiryDate@Year	1	Card expiry year.
Card/CVV	1	Card verification value.
Card/Provider@ID	1	Conferma card issuer ID.
Card/Provider@Name	1	Conferma card issuer name.
Card/BillingAddress	1	Billing address of card details.
Card/BillingAddress@AccountHolder	1	Enum of AccountHolder. Either <i>TravelAgency</i> or <i>Corporate</i> .
Card/BillingAddress/Address1	2	Address line 1.
Card/BillingAddress/Address2	2	Address line 2.
Card/BillingAddress/City	2	City name.
Card/BillingAddress/PostalOrZipCode	2	Postal code or zip code.
Card/BillingAddress/CountryCode	2	ISO country code of account.
Card/BillingAddress/Telephone	2	Telephone number of card owner.
Card/BillingAddress/Fax	2	Fax number of card owner.

Card/ControlAttributes	2	Optional. Requires minimum <i>Version=1</i> set on the XML request.  Card Issuer must support real-time credit limits for this element to return.
Card/ControlAttributes @CardPoolAmount	2	Conversion of requested amount in Card Pool Currency.
Card/ControlAttributes @CardPoolCurrencyCode	2	Billing currency code of the Card Pool.
Card/ControlAttributes @CurrentExchangeRate	2	Current exchange rate between requested currency code and Card Pool billing currency.
Card/ControlAttributes @AssignedCreditLimitAmount	2	Total amount, including system tolerances, that was added to the virtual card.

Refer to the appendices for information on card types.

**XML Example**

```

<GetCardResponse Type="General">
  <DeploymentID>987654328</DeploymentID>
  <General>
    <Name>Bales of Hay</Name>
    <ConsumerReference>13245688</ConsumerReference>
    <PaymentRange StartDate="2009-01-18" EndDate="2009-01-24" />
    <Amount Value="850.00" Currency="GBP" />
    <PNR Locator="ABCDEF" />
    <Platform Username="stuardavenport" />
    <Customer ID="1234ABC" Name="Big Corp" />
  </General>
  <Card>
    <Name>Company A Card</Name>
    <Number>1111222233334444</Number>
    <Type>VI</Type>
    <ExpiryDate Month="1" Year="2009" />
    <CVV>123</CVV>
    <Provider ID="999" Name="Card Issuer Name" />
  </Card>
</GetCardResponse>

```



## Hotel Process

The Hotel Process is an immediate deployment.

This mode of immediate deployment supports a structure of hotel bookings. The data submitted is structured around hotel bookings and will be represented as so in both the CSP Matching & Reconciliation tool and reports.

If you intend Conferma to send faxes for hotel bookings, you must utilise this mode.

## Get Card

To submit a hotel card request the *GetCard* web method should be used. The core structure is similar to that of the Generic Process.

### Input

Field Name	Level	Max Length	Description
@Type	0	Enum	Mandatory. Declares the type of immediate deployment. This should be set to Hotel.
@ReturnCVV	0	Bool	Optional. Declare whether to return the CVV.
@ReturnBillingAddress	0	Bool	Optional. Declare whether to return the Billing Address of the card.
@Version	0	Integer	Mandatory. Set to current version: "2".
General	0		Mandatory. Generic information about the deployment.
General/Name	1	50	Mandatory. A title to describe the purchase.
General/ConsumerReference	1	50	Mandatory. A reference to uniquely describe the purchase from the consumers system.
General/PaymentRange@StartDate	1	16	Mandatory. The date the card needs to be deployed from in the format YYYY-MM-DD. Date only; do not include a time component.
General/PaymentRange@EndDate	1	16	Mandatory. The date the card needs to be returned to the pool in the format YYYY-MM-DD. Date only; do not include a time component.
General/Amount@Value	1	10	Mandatory. Amount to assign to the card.
General/Amount@Currency	1	=3	Mandatory. Currency of assign amount.
General/InvoiceAmount@Value (v.2)	1	10	Optional. Additional amount field to allow capture of invoice amount where a different deployment amount is required.
General/InvoiceAmount@Currency (v.2)	1	=3	Optional. Currency of assigned invoice amount.

General/Customer	1		Optional. MVP. Customer information.
General/Customer@ID	1	50	Optional. MVP. ID of customer to associate to the deployment. Useful for a single card account being used for multiple customers.
General/Customer@Name	1	50	Optional. Name of customer to associate to the deployment. Useful for a single card account being used for multiple customers.
General/PNR	1		Optional. PNR information.
General/PNR@Locator	1	20	Optional. MVP. PNR Locator.
General/PNR@WorkArea	1	10	Optional. MVP. Booking location of PNR, PCC or Office ID.
General/PNR@SegmentStatus	1	Enum ( <i>NotSet</i> , <i>Online</i> or <i>Passive</i> )	Optional. MVP. Status of segment.
General/Platform	1		Optional. Platform information.
General/Platform@Username	1	50	Optional. MVP. Username of user deploying card via requesting application.
Identifiers	0		Optional. Optional data fields the consumer can submit.
Identifiers[0]/ Identifier@Key	1	50	Optional. MVP. The identifier key value.
Identifiers[0]/ Identifier@Value	1	200	Optional. MVP. The identifier value.
Identifiers[0]/ Identifier@ReportKey	1	50	Optional. The identifier report key (used for Card Issuer data handoff. Contact Conferma for more information).
Supplier	0		Optional. Supplier information about the deployment.
Supplier@ID	0	50	Optional. MVP. Your custom ID for the hotel.
Supplier@Name	0	100	Optional. MVP. Hotel name.
Supplier/Reference	1	50	Optional. MVP. The reference the supplier provides for hotel booking.  If you cannot submit it at this point, submit via the <i>UpdateDeployment</i> method.  This must be present before a fax can be sent.
Supplier/Address	1		Optional. The address details for the hotel.
Supplier/Address/Address1	2	100	Optional. MVP. Line 1 of the hotels address.
Supplier/Address/Address2	2	100	Optional. Line 2 of the hotels address.
Supplier/Address/City	2	100	Optional. MVP. Hotels address city name.
Supplier/Address/PostalOrZipCode	2	30	Optional. MVP. Hotels postal or zip code.

Supplier/Address/CountryCode	2	=2	Optional. MVP. ISO country code of hotel.
Supplier/Address/Telephone	2	30	Optional. Hotel telephone number.
Supplier/Address/Fax	2	30	Optional. MVP. Hotel fax number.
Supplier/Address/Email	2	100	Optional. Hotels email address.
Hotel	0		Mandatory. Hotel booking information.
Hotel/CareOfName	1	200	Optional. Name of company the booking is for if card account is held by agency.  UK TOMS requirement.
Hotel/Comments	1	4000	Optional. MVP. Any additional text that should be placed onto the fax. Such as special requirements.
Hotel/ContactName	1	100	Optional. Contact name for the booking.
Hotel/PaymentInstructions	1	200	Optional. MVP. Payment instructions with regards to charging the card, e.g. "ROOM ONLY" or "DBB NO ALCOHOL".
Hotel/Rate	1		Mandatory. Information about the rate.
Hotel/Rate/BookingPlatformName	2	50	Optional. MVP. Name where the booking was made, e.g. "SABRE" or "TELEPHONE"
Hotel/Rate/RoomType	2	30	Optional. MVP. Room type.
Hotel/Rate/RateInformation	2	200	Optional. MVP. Text that describes the rate booked.
Hotel/Rate/CancellationPolicy	2	200	Optional. MVP. Cancellation policy.
Hotel/Rate/CancellationReference	2	30	Optional. MVP. Cancellation reference.
Hotel/Rate/StayRange	2		Mandatory. Dates of stay.
Hotel/Rate/StayRange@StartDate	2	10	Mandatory. Arrival date.
Hotel/Rate/StayRange@EndDate	2	10	Mandatory. Departure date.
Travellers	0		Optional. List of travellers.
Travellers[0]/Traveller@Salutation	1	10	Mandatory. Title of traveller.
Travellers[0]/Traveller@Forename	1	30	Mandatory. Forename of traveller.
Travellers[0]/Traveller@Surname	1	30	Mandatory if using travellers. Surname of traveller.
Travellers[0]/Traveller@Email	1	100	Optional. Email address of traveller.  <i>Note: You will need to provide this value for TripPay support.</i>
Ancillaries	0		Optional. Ancillary's collection.
Ancillaries[0]/Ancillary	1		Mandatory. Ancillary object.
Ancillaries[0]/Ancillary@Reference	1	50	Mandatory. Your reference for the ancillary.
Ancillaries[0]/Ancillary@Description	1	200	Mandatory. Description of the ancillary.

Ancillaries[0]/Ancillary@Status	1	Enum	Mandatory. Status of the ancillary; Confirmed or Cancelled.
Ancillaries[0]/Ancillary/Amount	2		Mandatory. Amount object to detail the price of the ancillary.
Ancillaries[0]/Ancillary/ Amount@Value	2	10	Mandatory. Cost of the Ancillary.
Ancillaries[0]/Ancillary/ Amount@Currency	2	=3	Mandatory. 3 character ISO currency code related to the ancillary cost.
ServiceFees	0		Optional. Collection of ServiceFee objects.
ServiceFees[0]/ServiceFee	1		Mandatory. If a ServiceFee is relevant, the ServiceFee node should be created. Multiple ServiceFee objects can be added to a Deployment
ServiceFees[0]/ServiceFee@Reference	1	50	Mandatory. Unique Reference for the Service Fee.
ServiceFees[0]/ServiceFee@Description	1	100	Mandatory. Description of the service fee.
ServiceFees[0]/ServiceFee@ChargeDate	1	10	Mandatory. Date the Service Fee accrued.
ServiceFees[0]/ServiceFee@Amount	2		Mandatory. Amount object of the Service Fee.
ServiceFees[0]/ServiceFee@Amount @Value	2	10	Mandatory. Cost of the Service Fee.
ServiceFees[0]/ServiceFee@Amount @Currency	2	=3	Mandatory. 3 character ISO currency code.

**Example XML**

```

<GetCard>
  <GetCardRequest Type="Hotel" ReturnCVV="false" Version="1" >
    <General>
      <Name>CONFERMA TEST DEPLOYMENT</Name>
      <ConsumerReference>90e5c114-2</ConsumerReference>
      <Amount Value="131" Currency="GBP" />
      <PaymentRange StartDate="2011-02-16" EndDate="2011-02-27" />
      <PNR Locator="ABCDEF" />
      <Platform Username="stuardavenport" />
      <Customer ID="1234ABC" Name="Big Corp" />
    </General>
    <Identifiers>
      <Identifier Key="Room Rate" Value="QARA64" />
      <Identifier Key="Cost Centre" Value="4657765" />
    </Identifiers>
    <Supplier ID="16531" Name="Midland Hotel Manchester">
      <Address>
        <AddressLine1>Peter St</AddressLine1>
        <AddressLine2 />
        <City>Manchester</City>
        <PostalOrZipCode>M1</PostalOrZipCode>
        <CountryCode>GB</CountryCode>
        <Telephone>01611234567</Telephone>
        <Fax>01612134567</Fax>
      </Address>
      <Reference />
    </Supplier>
    <Travellers>
      <Traveller Salutation="Mr" Forename="Stuart" Surname="Davenport" />
    </Travellers>
  </GetCardRequest>
</GetCard>

```

```

</Travellers>
<Hotel>
  <Rate>
    <BookingPlatform>SABRE</BookingPlatform>
    <Stay StartDate="2011-02-16T00:00:00" EndDate="2011-02-27T00:00:00" />
    <RoomType>SINGLE ROOM</RoomType>
    <RateInformation>BREAFAST INC. WIFI</RateInformation>
    <CancellationPolicy>CANX 4PM DAY OF ARRIVAL</CancellationPolicy>
  </Rate>
  <CareOfName>ABC Corp.</CareOfName>
  <ContactName>STUART DAVENPORT</ContactName>
  <PaymentInstruction>ROOM ONLY</PaymentInstruction>
  <Comments>Guest prefers a ground floor room.</Comments>
</Hotel>
</GetCardRequest>
</GetCard>

```

### Output

In response to the *GetCard* web method the following response is returned. Any errors will have been raised in a SOAP Fault.

The response will contain a card that has been uniquely assigned to the purchase for use in the consumers' transaction.

Field Name	Level	Description
@Type	0	The type of transaction made.
DeploymentID	0	Declares CPAPI Deployment ID.
General	0	Contains the submitted details.
General/Name	1	Consumer stated deployment name.
General/ConsumerReference	1	Consumer stated reference.
General/PaymentRange@StartDate	1	Date of card deployment.
General/PaymentRange@EndDate	1	Date of card pool return.
General/Amount@Value	1	Booked amount.
General/Amount@Currency	1	Booked amount currency.
General/InvoiceAmount@Value (v.2)	1	Invoice amount. Only visible when version 2 specified on request.
General/InvoiceAmount@Currency (v.2)	1	Invoice amount currency. Only visible when version 2 specified on request.
Card	0	Deployed card details
Card/Name	1	Name on card.
Card/Number	1	Long number across the front of the card.
Card/Type	1	Type of card. AX CA VI etc...
Card/ExpiryDate@Month	1	Card expiry month.
Card/ExpiryDate@Year	1	Card expiry year.
Card/CVV	1	Card verification value.
Card/Provider@ID	1	Conferma card issuer ID.
Card/Provider@Name	1	Conferma card issuer name.

Card/BillingAddress	1	Billing address of card details.
Card/BillingAddress@AccountHolder	1	Enum of AccountHolder. Either <i>TravelAgency</i> or <i>Corporate</i> .
Card/BillingAddress/Address1	2	Address line 1.
Card/BillingAddress/Address2	2	Address line 2.
Card/BillingAddress/City	2	City name.
Card/BillingAddress/PostalOrZipCode	2	Postal code or zip code.
Card/BillingAddress/CountryCode	2	ISO country code of account.
Card/BillingAddress/Telephone	2	Telephone number of card owner.
Card/BillingAddress/Fax	2	Fax number of card owner.
Card/ControlAttributes	2	Optional. Requires minimum <i>Version=1</i> set on the XML request.  Card Issuer must support real-time credit limits for this element to return.
Card/ControlAttributes @CardPoolAmount	2	Conversion of requested amount in Card Pool Currency.
Card/ControlAttributes @CardPoolCurrencyCode	2	Billing currency code of the Card Pool.
Card/ControlAttributes @CurrentExchangeRate	2	Current exchange rate between requested currency code and Card Pool billing currency.
Card/ControlAttributes @AssignedCreditLimitAmount	2	Total amount, including system tolerances, that was added to the virtual card.

Refer to the appendices for information on card types.

**XML Example**

```

<GetCardResponse Type="Hotel">
  <DeploymentID>90e5c114-2</DeploymentID>
  <General>
    <Name>CONFERMA TEST DEPLOYMENT</Name>
    <ConsumerReference>13245688</ConsumerReference>
    <PaymentRange StartDate="2011-02-16" EndDate="2011-02-27" />
    <Amount Value="131.00" Currency="GBP" />
    <PNR Locator="ABCDEF" />
    <Platform Username="stuardavenport" />
    <Customer ID="1234ABC" Name="Big Corp" />
  </General>
  <Card>
    <Name>Company A Card</Name>
    <Number>1111222233334444</Number>
    <Type>VI</Type>
    <ExpiryDate Month="1" Year="2012" />
    <CVV>123</CVV>
    <Provider ID="999" Name="Card Issuer Name" />
  </Card>
</GetCardResponse>

```

## Send Fax

Traditional booking systems do not declare to hotel merchants that the card used to reserve the booking, for guarantee or deposit, is the payment card that should be billed. Therefore an out-of-band message must be sent to the hotel merchant to instruct the hotel merchant to bill the virtual card and not prompt the traveller for a payment card to cover costs. The default form of communication is fax.

Conferma provides faxing functionality via the *SendFax* web method. If your application already supports faxing, you may choose not to use the Conferma fax service.

Utilising data from the Deployment, Conferma construct a fax and send it to either a number declared on the Supplier record, or to a declared telephone number in the *SendFax* request. It is important to ensure that prior to initiating a *SendFax* request, the Deployment is complete with the booking data.

The layout of the Conferma fax is static, however Travel Agency elements can be customised, such as logo, contact information and invoice requirements. The Conferma fax contains the appropriate card issuer logo and virtual card image.

### Fax Number Format

The fax number must be prefixed with the appropriate international dial code. If the fax number is not prefixed with the international dial code the fax will fail.

The fax number must start with either;

- **0044 1614453941** (two zeros followed by the international dial code)
- **44 1614453941** (the international dial code with no zeros)
- **+44 1614453941** (a + symbol followed by the international dial code)

### Test Fax Number

A test fax number is also available which allows a *SendFax* request to be made, a fax set to *Sent* status, but no real fax being submitted.

The test fax number is 1234567890.

Contact Conferma for more information or fax examples.

*Important Note: Failed faxes are notified via Email. The email should be sent to either a travel team within looking after the corporate account or the individual Agent booker.*

### Send Email using SendFax

The *SendFax* request has support for email messages to the merchant. Where a merchant has opted-in to receive credit card detail via Conferma Connect, the full card details will be available within the email, otherwise the last four digits and expiry date will only be available.

Merchants can opt-in to Conferma Connect at <https://www.confermaconnect.com>

To use *SendFax* to deliver emails, set the *FaxNumberOption=DeclaredNumber* and the *DeclaredNumber* attribute value to the merchant's email address.

### Input

Field Name	Level	Max Length	Description
FaxInstruction	0		Mandatory. Fax instruction.

FaxInstruction@DeploymentID	0	20	Mandatory. Deployment ID to send the fax for.
FaxInstruction @FaxType	0	Enum	Mandatory. Fax document type. “Hotel” = Hotel confirmation “HotelAmendment” = Hotel Amendment “HotelCancellation” = Cancellation fax “HotelCVV” = CVV fax
FaxInstruction @FaxNumberOption	0	Enum	Mandatory. What number to use. “SupplierFax” = number on the Supplier. “DeclaredNumber” = declared in request
FaxInstruction @DeclaredNumber	0	100	Mandatory. If FaxNumberOption=DeclaredNumber this should be set to the fax or email the message should be sent to.
FaxInstruction @FailedFaxEmailAddress	0	100	Mandatory. If the fax fails, an email will be sent to warn of the failure.

**Example XML**

```
<SendFax>
  <SendFaxRequest>
    <FaxInstruction DeploymentID="1119978"
      FaxType="Hotel"
      FaxNumberOption="DeclaredNumber"
      DeclaredNumber="00441614473941"
      FailedFaxEmailAddress="stuart.davenport@conferma.com" />
  </SendFaxRequest>
</SendFax>
```

**Output**

In response to the *SendFax* web method the following response is returned. Any errors will have been raised in a SOAP Fault.

The response will contain a flag containing the success state.

Field Name	Level	Description
Queued	0	If the fax has been successfully queued.

**XML Example**

```
<SendFaxResult>
  <Queued>true</Queued>
</SendFaxResult>
```



## Air Process

Air card deployment is an immediate deployment.

This mode of immediate deployment supports a structure of air bookings. The data submitted is structured around air and will be represented as such in both the CSP Matching & Reconciliation tool and reports. In addition these deployments will be supplemented with card transaction level 3 data (provided by the card provider where possible).

### Get Card

To submit an air card request the *GetCard* web method should be used. The core structure is similar to that of the Generic Process.

*Note: The Air.OutboundJourney and Air.ReturnJourney objects have been deprecated (23<sup>rd</sup> March 2015). Please use the Air.Route field.*

### Input

Field Name	Level	Max Length	Description
@Type	0	Enum	Mandatory. Declares the type of immediate deployment. This should be set to Air.
@ReturnCVV	0	Bool	Optional. Declare whether to return the CVV.
@ReturnBillingAddress	0	Bool	Optional. Declare whether to return the Billing Address of the card.
@Version	0	Integer	Mandatory. Set to current version: "2".
General	0		Mandatory. Generic information about the deployment.
General/Name	1	50	Mandatory. A title to describe the purchase.
General/ConsumerReference	1	50	Mandatory. A reference to uniquely describe the purchase from the consumers system.
General/PaymentRange@StartDate	1	10	Mandatory. The date the card needs to be deployed from in the format YYYY-MM-DD. Date only; do not include a time component.
General/PaymentRange@EndDate	1	10	Mandatory. The date the card needs to be returned to the pool in the format YYYY-MM-DD. Date only; do not include a time component.
General/Amount@Value	1	10	Mandatory. Amount to assign to the card.
General/Amount@Currency	1	=3	Mandatory. Currency of assign amount.
General/InvoiceAmount@Value (v.2)	1	10	Optional. Additional amount field to allow capture of invoice amount where a different deployment amount is required.
General/InvoiceAmount@Currency (v.2)	1	=3	Optional. Currency of assigned invoice amount.
General/Customer	1		Optional. Customer information.
General/Customer@ID	1	50	Optional. MVP. ID of customer to associate to the deployment. Useful for a single card account being used for multiple customers.

General/Customer@Name	1	50	Optional. Name of customer to associate to the deployment. Useful for a single card account being used for multiple customers.
General/PNR	1		Optional. PNR information.
General/PNR@Locator	1	20	Optional. MVP. PNR Locator.
General/PNR@WorkArea	1	10	Optional. MVP. Booking location of PNR, PCC or OfficeID.
General/PNR@SegmentStatus	1	Enum (NotSet, Online or Passive)	Optional. MVP. Status of segment.
General/Platform	1		Optional. Platform information.
General/Platform@Username	1	50	Optional. MVP. Username of user deploying card via requesting application.
Air	0		Mandatory. Air information.
Air/Route	1		Mandatory. Full route detail. See appendices for <i>Conferma Air Route Format</i> .
Air/Fare	1		Optional. Fare information.
Air/Fare/CalculationLine	2	1000	Optional. MVP. Fare calculation line.
Air/Fare/TourCode	2	20	Optional. MVP. Fare tour code.
Air/Fare/EndorsementsRestrictions	2	100	Optional. MVP. Fare endorsement and/or restrictions description.
Travellers	0		Mandatory. Traveller information.
Travellers/Traveller[0]@Salutation	1	10	Optional. Salutation of traveller.
Travellers/Traveller[0]@Forename	1	30	Mandatory. Forename of traveller.
Travellers/Traveller[0]@Surname	1	30	Mandatory. Surname of traveller.
Travellers/Traveller[0]@Email	1	100	Optional. Email address of traveller.  <i>Note: You will need to provide this value for TripPay support.</i>
Supplier	0		Optional. Supplier information about the deployment.
Supplier@ID	0	50	Mandatory. 2 character IATA airline code.
Supplier@Name	0	50	Optional. Name of the airline.
Supplier/Reference	1	50	Optional. MVP. The reference the supplier provides for the purchase.
Supplier/Address	1		Optional. The address details for the supplier.
Supplier/Address/Address1	2	100	Optional. Line 1 of the suppliers address.
Supplier/Address/Address2	2	100	Optional. Line 2 of the suppliers address.
Supplier/Address/City	2	100	Optional. Suppliers address city name.
Supplier/Address/PostalOrZipCode	2	30	Optional. Suppliers postal or zip code.
Supplier/Address/CountryCode	2	=2	Optional. ISO country code of supplier.
Supplier/Address/Telephone	2	30	Optional. Suppliers telephone number.
Supplier/Address/Fax	2	30	Optional. Suppliers fax number.
Supplier/Address/Email	2	100	Optional. Suppliers email address.
Identifiers	0		Optional. Optional data fields the consumer can submit.

Identifiers[0]/Identifier @Key	1	50	Optional. MVP. The identifier key value.
Identifiers[0]/Identifier @Value	1	200	Optional. MVP. The identifier value.
Identifiers[0]/Identifier @ReportKey	1	50	Optional. The identifier report key (used for Card Issuer data handoff. Contact Conferma for more information).
Ancillaries	0		Optional. Ancillary's collection.
Ancillaries[0]/Ancillary	1		Mandatory. Ancillary object.
Ancillaries[0]/Ancillary@Reference	1	50	Mandatory. Your reference for the ancillary.
Ancillaries[0]/Ancillary@Description	1	200	Mandatory. Description of the ancillary.
Ancillaries[0]/Ancillary@Status	1	Enum	Mandatory. Status of the ancillary; <i>Confirmed</i> or <i>Cancelled</i> .
Ancillaries[0]/Ancillary/Amount	2		Mandatory. Amount object to detail the price of the ancillary.
Ancillaries[0]/Ancillary/ Amount@Value	2	10	Mandatory. Cost of the Ancillary.
Ancillaries[0]/Ancillary/ Amount@Currency	2	=3	Mandatory. 3 character ISO currency code related to the ancillary cost.
Ancillaries[0]/Ancillary/ AirAncillary@StartLocation	2	=3	Optional. If the ancillary is associated (EMD-A) to a leg, then this should be set to the origin airport IATA code.
Ancillaries[0]/Ancillary/ AirAncillary@StartDate	2	10	Optional. If the ancillary is associated (EMD-A) to a leg, then this should be set to the origin airport departure date.
Ancillaries[0]/Ancillary/ AirAncillary@EndLocation	2	=3	Optional. If the ancillary is associated (EMD-A) to a leg, then this should be set to the arrival airport IATA code.
Ancillaries[0]/Ancillary/ AirAncillary@EMDGroup	2	2	Optional. The 2 character IATA EMD Group Code. See Appendices for a full listing.
Ancillaries[0]/Ancillary/ AirAncillary@EMDRFIC	2	1	Optional. The 1 character IATA EMD Reason For Issuance Code. See Appendices for a full listing.
ServiceFees	0		Optional. Collection of ServiceFee objects.
ServiceFees[0]/ServiceFee	1		Mandatory. If a ServiceFee is relevant, the ServiceFee node should be created. Multiple ServiceFee objects can be added to a Deployment
ServiceFees[0]/ServiceFee@Reference	1	50	Mandatory. Unique Reference for the Service Fee.
ServiceFees[0]/ServiceFee@Description	1	100	Mandatory. Description of the service fee.
ServiceFees[0]/ServiceFee@ChargeDate	1	10	Mandatory. Date the Service Fee accrued.
ServiceFees[0]/ServiceFee@Amount	2		Mandatory. Amount object of the Service Fee.
ServiceFees[0]/ServiceFee@Amount @Value	2	10	Mandatory. Cost of the Service Fee.
ServiceFees[0]/ServiceFee@Amount @Currency	2	=3	Mandatory. 3 character ISO currency code.

### Example XML

```

<GetCard>
  <GetCardRequest Type="Air" ReturnCVV="true" ReturnBillingAddress="false" Version="1" >
    <General>
      <Name>MAN-LHR Return</Name>
      <ConsumerReference>13245654</ConsumerReference>
      <PaymentRange StartDate="2010-06-10" EndDate="2009-06-17" />
      <Amount Value="120.00" Currency="GBP" />
      <PNR Locator="ABCDEF" />
      <Platform Username="stuardavenport" />
      <Customer ID="1234ABC" Name="Big Corp" />
    </General>
    <Air>
      <Route>MAN19JUN0730LHR19JUN1030BA1234F-MAN19JUN0730LHR19JUN1030BA1234E</Route>
      <Fare>
        <TourCode>CORP1</TourCode>
        <CalculationLine>MAN UA EWR UA SFO M3072.89UA SYD1134.00/-DFW AA CLT(US GSO
Q32.55 112.56US CLT Q32.55 171.16)US X/PHL US MAN Q158.65M 1727.74NUC6442.10END ROE0.658662
XFPHL4.5</CalculationLine>
        <EndorsementsRestrictions>NON REFUNDABLE</EndorsementsRestrictions>
      </Fare>
    </Air>
    <Travellers>
      <Traveller Salutation="Mr" Forename="John" Surname="Smith" Email="jsmith@email.com"
/>
    </Travellers>
    <Supplier ID="BA" Name="British Airways">
      <Address>
        <AddressLine1>BA HQ.</AddressLine1>
        <AddressLine2 />
        <City>London</City>
        <PostalOrZipCode>E1</PostalOrZipCode>
        <CountryCode>GB</CountryCode>
        <Telephone>02011234567</Telephone>
        <Fax>02012134567</Fax>
      </Address>
      <Reference />
    </Supplier>
    <Identifiers>
      <Identifier Key="Cost Centre" Value="SALES" />
      <Identifier Key="Project Code" Value="SHIPPING4" />
      <Identifier Key="Employee ID" Value="8475" />
    </Identifiers>
    <Ancillaries>
      <Ancillary Reference="1234567890123" Description="BAGGAGE" Status="Confirmed">
        <Amount Value="10.00" Currency="GBP" />
        <AirAncillary StartLocation="BRU" StartDate="2015-05-19T00:00:00"
EndLocation="MAN" EMDGroup="BG" EMDFIC="B" />
      </Ancillary>
    </Ancillaries>
    <ServiceFees>
      <ServiceFee Reference="13452" Description="BOOKING FEE" ChargeDate="2015-10-23"
AssociatedDeploymentID="0">
        <Amount Value="20.00" Currency="GBP" />
      </ServiceFee>
    </ServiceFees>
  </GetCardRequest>
</GetCard>

```

## Output

In response to the *GetCard* web method the following response is returned. Any errors will have been raised in a SOAP Fault.

The response will contain a card that has been uniquely assigned to the purchase for use in the consumers transaction.

Field Name	Level	Description
@Type	0	The type of transaction made.
DeploymentID	0	Declares CPAPI Deployment ID.
General	0	Contains the submitted details.
General/Name	1	Consumer stated deployment name.
General/ConsumerReference	1	Consumer stated reference.
General/PaymentRange@StartDate	1	Date of card deployment.
General/PaymentRange@EndDate	1	Date of card pool return.
General/Amount@Value	1	Booked amount.
General/Amount@Currency	1	Booked amount currency.
General/InvoiceAmount@Value (v.2)	1	Invoice amount. Only visible when version 2 specified on request.
General/InvoiceAmount@Currency (v.2)	1	Invoice amount currency. Only visible when version 2 specified on request.
Card	0	Deployed card details
Card/Name	1	Name on card.
Card/Number	1	Long number across the front of the card.
Card/Type	1	Type of card. AX CA VI etc...
Card/ExpiryDate@Month	1	Card expiry month.
Card/ExpiryDate@Year	1	Card expiry year.
Card/CVV	1	Card verification value.
Card/Provider@ID	1	Conferma card issuer ID.
Card/Provider@Name	1	Conferma card issuer name.
Card/BillingAddress	1	Billing address of card details.
Card/BillingAddress@AccountHolder	1	Enum of AccountHolder. Either <i>TravelAgency</i> or <i>Corporate</i> .
Card/BillingAddress/Address1	2	Address line 1.
Card/BillingAddress/Address2	2	Address line 2.
Card/BillingAddress/City	2	City name.
Card/BillingAddress/PostalOrZipCode	2	Postal code or zip code.
Card/BillingAddress/CountryCode	2	ISO country code of account.
Card/BillingAddress/Telephone	2	Telephone number of card owner.
Card/BillingAddress/Fax	2	Fax number of card owner.
Card/ControlAttributes	2	Optional. Requires minimum <i>Version=1</i> set on the XML request.  Card Issuer must support real-time credit limits for this element to return.

Card/ControlAttributes @CardPoolAmount	2	Conversion of requested amount in Card Pool Currency.
Card/ControlAttributes @CardPoolCurrencyCode	2	Billing currency code of the Card Pool.
Card/ControlAttributes @CurrentExchangeRate	2	Current exchange rate between requested currency code and Card Pool billing currency.
Card/ControlAttributes @AssignedCreditLimitAmount	2	Total amount, including system tolerances, that was added to the virtual card.

Refer to the appendices for information on card types.

**XML Example**

```

<GetCardResponse Type="Air">
  <DeploymentID>987654329</DeploymentID>
  <General>
    <Name>MAN-LHR Return</Name>
    <ConsumerReference>13245688</ConsumerReference>
    <PaymentRange StartDate="2010-06-10" EndDate="2010-06-17" />
    <Amount Value="120.00" Currency="GBP" />
    <PNR Locator="ABCDEF" />
    <Platform Username="stuardavenport" />
    <Customer ID="1234ABC" Name="Big Corp" />
  </General>
  <Card>
    <Name>Company A Card</Name>
    <Number>1111222233334444</Number>
    <Type>VI</Type>
    <ExpiryDate Month="1" Year="2009" />
    <CVV>123</CVV>
    <Provider ID="999" Name="Card Issuer Name" />
  </Card>
</GetCardResponse>
    
```

**Rail Process**

Rail card deployment is an immediate deployment.

This mode of immediate deployment supports a structure for rail bookings. The data submitted is structured around rail and will be represented as such in both the CSP Matching & Reconciliation tool and reports. In addition these deployments will be supplemented with card transaction level 3 data (provided by the card provider where possible).

**Get Card**

To submit a rail card request the *GetCard* web method should be used. The core structure is similar to that of the Generic Process.

**Input**

Field Name	Level	Max Length	Description
------------	-------	------------	-------------

@Type	0	Enum	Mandatory. Declares the type of immediate deployment. This should be set to Rail.
@ReturnCVV	0	Bool	Optional. Declare whether to return the CVV.
@ReturnBillingAddress	0	Bool	Optional. Declare whether to return the Billing Address of the card.
@Version	0	Integer	Mandatory. Set to current version: "2".
General	0		Mandatory. Generic information about the deployment.
General/Name	1	50	Mandatory. A title to describe the purchase.
General/ConsumerReference	1	50	Mandatory. A reference to uniquely describe the purchase from the consumers system.
General/PaymentRange@StartDate	1	10	Mandatory. The date the card needs to be deployed from in the format YYYY-MM-DD. Date only; do not include a time component
General/PaymentRange@EndDate	1	10	Mandatory. The date the card needs to be returned to the pool in the format YYYY-MM-DD. Date only; do not include a time component.
General/Amount@Value	1	10	Mandatory. Amount to assign to the card.
General/Amount@Currency	1	=3	Mandatory. Currency of assign amount.
General/InvoiceAmount@Value (v.2)	1	10	Optional. Additional amount field to allow capture of invoice amount where a different deployment amount is required.
General/InvoiceAmount@Currency (v.2)	1	=3	Optional. Currency of assigned invoice amount.
General/Customer	1		Optional. Customer information.
General/Customer@ID	1	50	Optional. MVP. ID of customer to associate to the deployment. Useful for a single card account being used for multiple customers.
General/Customer@Name	1	50	Optional. Name of customer to associate to the deployment. Useful for a single card account being used for multiple customers.
General/PNR	1		Optional. PNR information.
General/PNR@Locator	1	20	Optional. MVP. PNR Locator.
General/PNR@WorkArea	1	10	Optional. MVP. Booking location of PNR, PCC or OfficeID.
General/PNR@SegmentStatus	1	Enum (NotSet, Online or Passive)	Optional. MVP. Status of segment.
General/Platform	1		Optional. Platform information.
General/Platform@Username	1	50	Optional. MVP. Username of user deploying card via requesting application.
Rail	0		Mandatory. Rail information.
Rail/OutboundJourney @StartLocation	1	50	Mandatory. Name of departure station.
Rail /OutboundJourney @StartDateTime	1	16	Mandatory. Date and time of departure.
Rail /OutboundJourney @EndLocation	1	50	Mandatory. Name of arrival station.

Rail /OutboundJourney @EndDateTime	1	16	Mandatory. Date and time of arrival.
Rail/OutboundJourney/ Operator @Name	2	50	Optional. MVP. Name of the operator.
Rail/OutboundJourney/ Ticket@Cost	2	10	Optional. Cost of the ticket.
Rail/OutboundJourney/ Ticket@Class	2	Enum	Optional. MVP. Enumeration of TicketClass - <i>Economy</i> , <i>PremiumEconomy</i> , <i>Business</i> and <i>First</i> .  <i>Economy</i> will be the default type.
Rail/OutboundJourney/ Ticket@Description	2	100	Optional. MVP. Description of the purchased ticket.
Rail/ReturnJourney	1		Optional. Do not include if one way purchase.
Rail/ReturnJourney @StartLocation	1	50	Mandatory. Name of departure station
Rail/ReturnJourney @StartDateTime	1	16	Mandatory. Date and time of departure.
Rail/ReturnJourney @EndLocation	1	50	Mandatory. Name of arrival station. (return).
Rail/ReturnJourney @EndDateTime	1	16	Mandatory. Date and time of arrival.
Rail/OutboundJourney/ Operator @Name	2	50	Optional. MVP. Name of the operator.
Rail/OutboundJourney/ Ticket@Cost	2	10	Optional. Cost of the ticket.
Rail/OutboundJourney/ Ticket@Class	2	1	Optional. MVP. Enumeration of TicketClass - <i>Economy</i> , <i>PremiumEconomy</i> , <i>Business</i> and <i>First</i> .  <i>Economy</i> will be the default type.
Rail/OutboundJourney/ Ticket@Description	2	100	Optional. Description of the purchased ticket.
Travellers	0		Mandatory. Traveller information.
Travellers/Traveller[0] @Salutation	1	10	Optional. Salutation of traveller.
Travellers/Traveller[0] @Forename	1	30	Mandatory. Forename of traveller.
Travellers/Traveller[0] @Surname	1	30	Mandatory. Surname of traveller.
Travellers/Traveller[0] @Email	1	100	Optional. Email address of traveller.
Supplier	0		Optional. Supplier information about the deployment.
Supplier@ID	0	50	Optional. Your ID for the supplier.
Supplier@Name	0	100	Optional. MVP. Name for the supplier.
Supplier/Reference	1	50	Optional. MVP. The reference the supplier provides for the purchase.
Supplier/Address	1		Optional. The address details for the supplier.
Supplier/Address/ Address1	2	100	Optional. Line 1 of the suppliers address.
Supplier/Address/ Address2	2	100	Optional. Line 2 of the suppliers address.
Supplier/Address/ City	2	100	Optional. Suppliers address city name.
Supplier/Address/ PostalOrZipCode	2	30	Optional. Suppliers postal or zip code.
Supplier/Address/ CountryCode	2	=2	Optional. ISO country code of supplier.
Supplier/Address/ Telephone	2	30	Optional. Suppliers telephone number.
Supplier/Address/ Fax	2	30	Optional. Suppliers fax number.
Supplier/Address/Email	2	100	Optional. Suppliers email.



Identifiers	0		Optional. Optional data fields the consumer can submit.
Identifiers[0]/Identifier @Key	1	50	Optional. MVP. The identifier key value.
Identifiers[0]/Identifier @Value	1	200	Optional. MVP. The identifier value.
Identifiers[0]/Identifier @ReportKey	1	50	Optional. The identifier report key (used for Card Issuer data handoff. Contact Conferma for more information).
Ancillaries	0		Optional. Ancillary's collection.
Ancillaries[0]/Ancillary	1		Mandatory. Ancillary object.
Ancillaries[0]/Ancillary@Reference	1	50	Mandatory. Your reference for the ancillary.
Ancillaries[0]/Ancillary@Description	1	200	Mandatory. Description of the ancillary.
Ancillaries[0]/Ancillary@Status	1	Enum	Mandatory. Status of the ancillary; <i>Confirmed</i> or <i>Cancelled</i> .
Ancillaries[0]/Ancillary/Amount	2		Mandatory. Amount object to detail the price of the ancillary.
Ancillaries[0]/Ancillary/ Amount@Value	2	10	Mandatory. Cost of the Ancillary.
Ancillaries[0]/Ancillary/ Amount@Currency	2	=3	Mandatory. 3 character ISO currency code related to the ancillary cost.
ServiceFees	0		Optional. Collection of ServiceFee objects.
ServiceFees[0]/ServiceFee	1		Mandatory. If a ServiceFee is relevant, the ServiceFee node should be created. Multiple ServiceFee objects can be added to a Deployment
ServiceFees[0]/ServiceFee@Reference	1	50	Mandatory. Unique Reference for the Service Fee.
ServiceFees[0]/ServiceFee@Description	1	100	Mandatory. Description of the service fee.
ServiceFees[0]/ServiceFee@ChargeDate	1	10	Mandatory. Date the Service Fee accrued.
ServiceFees[0]/ServiceFee@Amount	2		Mandatory. Amount object of the Service Fee.
ServiceFees[0]/ServiceFee@Amount @Value	2	10	Mandatory. Cost of the Service Fee.
ServiceFees[0]/ServiceFee@Amount @Currency	2	=3	Mandatory. 3 character ISO currency code.

**Example XML**

```

<GetCard>
  <GetCardRequest Type="Rail" ReturnCVV="true" ReturnBillingAddress="false" Version="1" >
    <General>
      <Name>MAN-EUS Return</Name>
      <ConsumerReference>13245654</ConsumerReference>
      <PaymentRange StartDate="2010-06-10" EndDate="2009-06-17" />
      <Amount Value="87.00" Currency="GBP" />
      <PNR Locator="ABCDEF" />
      <Platform Username="stuardavenport" />
      <Customer ID="1234ABC" Name="Big Corp" />
    </General>
    <Rail>
      <OutboundJourney StartLocation="Manchester Piccadilly" StartDateTime="2011-07-22T14:03" EndLocation="London Euston" EndDateTime="2011-07-22T16:13">
        <Operator Name="Virgin Trains" />
        <Ticket Cost="43.50" Class="Business" Description="Advanced single. Seat 2A." />
      </OutboundJourney>
    </Rail>
  </GetCardRequest>
</GetCard>

```

```

    <ReturnJourney StartLocation="London Euston" StartDateTime="2011-07-23T21:03"
EndLocation="Manchester Piccadilly" EndDateTime="2011-07-23T16:13">
      <Operator Name="Virgin Trains" />
      <Ticket Cost="43.50" Class="First" Description="Advanced single. Seat 2A." />
    </ReturnJourney>
  </Rail>
  <Travellers>
    <Traveller Salutation="Mr" Forename="John" Surname="Smith" Email="jsmith@email.com"
  />
  </Travellers>
  <Supplier ID="RAILTICKET.COM" Name="Rail Ticket Website">
    <Address>
      <AddressLine1>Peter St</AddressLine1>
      <AddressLine2 />
      <City>Manchester</City>
      <PostalOrZipCode>M1</PostalOrZipCode>
      <CountryCode>GB</CountryCode>
      <Telephone>01611234567</Telephone>
      <Fax>01612134567</Fax>
    </Address>
    <Reference />
  </Supplier>
  <Identifiers>
    <Identifier Key="MyCustomKey1" Value="MyCustomValue1" />
    <Identifier Key="MyCustomKey2" Value="MyCustomValue2" />
    <Identifier Key="MyCustomKey3" Value="MyCustomValue3" />
  </Identifiers>
</GetCardRequest>
</GetCard>

```

## Output

In response to the *GetCard* web method the following response is returned. Any errors will have been raised in a SOAP Fault.

The response will contain a card that has been uniquely assigned to the purchase for use in the consumers' transaction.

Field Name	Level	Description
@Type	0	The type of transaction made.
DeploymentID	0	Declares CPAPI Deployment ID.
General	0	Contains the submitted details.
General/Name	1	Consumer stated deployment name.
General/ConsumerReference	1	Consumer stated reference.
General/PaymentRange@StartDate	1	Date of card deployment.
General/PaymentRange@EndDate	1	Date of card pool return.
General/Amount@Value	1	Booked amount.
General/Amount@Currency	1	Booked amount currency.
General/InvoiceAmount@Value (v.2)	1	Invoice amount. Only visible when version 2 specified on request.
General/InvoiceAmount@Currency (v.2)	1	Invoice amount currency. Only visible when version 2 specified on request.
Card	0	Deployed card details
Card/Name	1	Name on card.
Card/Number	1	Long number across the front of the card.
Card/Type	1	Type of card. AX CA VI etc...
Card/ExpiryDate@Month	1	Card expiry month.
Card/ExpiryDate@Year	1	Card expiry year.
Card/CVV	1	Card verification value.

Card/Provider@ID	1	Conferma card issuer ID.
Card/Provider@Name	1	Conferma card issuer name.
Card/BillingAddress	1	Billing address of card details.
Card/BillingAddress@AccountHolder	1	Enum of AccountHolder. Either <i>TravelAgency</i> or <i>Corporate</i> .
Card/BillingAddress/Address1	2	Address line 1.
Card/BillingAddress/Address2	2	Address line 2.
Card/BillingAddress/City	2	City name.
Card/BillingAddress/PostalOrZipCode	2	Postal code or zip code.
Card/BillingAddress/CountryCode	2	ISO country code of account.
Card/BillingAddress/Telephone	2	Telephone number of card owner.
Card/BillingAddress/Fax	2	Fax number of card owner.
Card/ControlAttributes	2	Optional. Requires minimum <i>Version=1</i> set on the XML request.  Card Issuer must support real-time credit limits for this element to return.
Card/ControlAttributes @CardPoolAmount	2	Conversion of requested amount in Card Pool Currency.
Card/ControlAttributes @CardPoolCurrencyCode	2	Billing currency code of the Card Pool.
Card/ControlAttributes @CurrentExchangeRate	2	Current exchange rate between requested currency code and Card Pool billing currency.
Card/ControlAttributes @AssignedCreditLimitAmount	2	Total amount, including system tolerances, that was added to the virtual card.

Refer to the appendices for information on card types.

**XML Example**

```

<GetCardResponse Type="Rail">
  <DeploymentID>987654329</DeploymentID>
  <General>
    <Name>MAN-EUS Return</Name>
    <ConsumerReference>13245688</ConsumerReference>
    <PaymentRange StartDate="2010-06-10" EndDate="2010-06-17" />
    <Amount Value="87.00" Currency="GBP" />
    <PNR Locator="ABCDEF" />
    <Platform Username="stuardavenport" />
    <Customer ID="1234ABC" Name="Big Corp" />
  </General>
  <Card>
    <Name>Company A Card</Name>
    <Number>1111222233334444</Number>
    <Type>VI</Type>
    <ExpiryDate Month="1" Year="2009" />
    <CVV>123</CVV>
    <Provider ID="999" Name="Card Issuer Name" />
  </Card>
</GetCardResponse>
    
```

## Car Rental Process

A Car Rental card deployment is an immediate deployment.

This mode of immediate deployment supports a structure for car rental purchases. The data submitted is structured around car rental and will be represented as such in both the CSP Matching & Reconciliation tool and reports. In addition these deployments will be supplemented with card transaction level 3 data (provided by the card provider where possible).

### Get Card

To submit a rail card request the *GetCard* web method should be used. The core structure is similar to that of the Generic Process.

#### Input

Field Name	Level	Max Length	Description
@Type	0	Enum	Mandatory. Declares the type of immediate deployment. This should be set to CarRental.
@ReturnCVV	0	Bool	Optional. Declare whether to return the CVV.
@ReturnBillingAddress	0	Bool	Optional. Declare whether to return the Billing Address of the card.
@Version	0	Integer	Mandatory. Always set to 1.
General	0		Mandatory. Generic information about the deployment.
General/Name	1	50	Mandatory. A title to describe the purchase.
General/ConsumerReference	1	50	Mandatory. A reference to uniquely describe the purchase from the consumers system.
General/PaymentRange@StartDate	1	10	Mandatory. The date the card needs to be deployed from in the format YYYY-MM-DD. Date only; do not include a time component.
General/PaymentRange@EndDate	1	10	Mandatory. The date the card needs to be returned to the pool in the format YYYY-MM-DD. Date only; do not include a time component.
General/Amount@Value	1	10	Mandatory. Amount to assign to the card.
General/Amount@Currency	1	=3	Mandatory. Currency of assign amount.
General/InvoiceAmount@Value (v.2)	1	10	Optional. Additional amount field to allow capture of invoice amount where a different deployment amount is required.
General/InvoiceAmount@Currency (v.2)	1	=3	Optional. Currency of assigned invoice amount.
General/Customer	1		Optional. Customer information.
General/Customer@ID	1	50	Optional. MVP. ID of customer to associate to the deployment. Useful for a

			single card account being used for multiple customers.
General/Customer@Name	1	50	Optional. Name of customer to associate to the deployment. Useful for a single card account being used for multiple customers.
General/PNR	1		Optional. PNR information.
General/PNR@Locator	1	20	Optional. MVP. PNR Locator.
General/PNR@WorkArea	1	10	Optional. MVP. Booking location of PNR, PCC or OfficeID.
General/PNR@SegmentStatus	1	Enum (NotSet, Online or Passive)	Optional. MVP. Status of segment.
General/Platform	1		Optional. Platform information.
General/Platform@Username	1	50	Optional. MVP. Username of user deploying card via requesting application.
CarRental	0		Mandatory. Care Rental information.
CarRental/Driver	1		Optional. Driver information.
CarRental/Driver@Age	1	3	Optional. Age of driver.
CarRental/Rental@StartLocation	1	50	Mandatory. Name of pick-up.
CarRental/Rental@StartDateTime	1	16	Mandatory. Date and time of pick-up.
CarRental/Rental@EndLocation	1	50	Mandatory. Name of drop-off.
CarRental/Rental@EndDateTime	1	16	Mandatory. Date and time of drop-off.
CarRental/Vehicle	1		
CarRental/Vehicle@Model	1	50	Optional. MVP. Model/specification of vehicle.
CarRental/Vehicle@Description	1	200	Optional. MVP. Description of vehicle.
CarRental/Vehicle@Registration	1	50	Optional. Registration number of vehicle.
CarRental/PickupLocation	1		Optional. The address for the vehicle pick-up.
CarRental/PickupLocation/Line1	2		Optional.
CarRental/PickupLocation/Line2	2		Optional.
CarRental/PickupLocation/City	2		Optional.
CarRental/PickupLocation/PostalOrZipCode	2		Optional.
CarRental/PickupLocation/CountryCode	2		Optional.
CarRental/PickupLocation/Telephone	2		Optional.
CarRental/PickupLocation/Fax	2		Optional.
CarRental/PickupLocation/Email	2		Optional.
CarRental/DropoffLocation	1		Optional. The address for the vehicle drop-off.

CarRental/DropoffLocation/Line1	2		Optional.
CarRental/DropoffLocation/Line2	2		Optional.
CarRental/DropoffLocation/City	2		Optional.
CarRental/DropoffLocation/PostalOrZipCode	2		Optional.
CarRental/DropoffLocation/CountryCode	2		Optional.
CarRental/DropoffLocation/Telephone	2		Optional.
CarRental/DropoffLocation/Fax	2		Optional.
CarRental/DropoffLocation/Email	2		Optional.
Travellers	0		Mandatory. Traveller information.
Travellers/Traveller[0] @Salutation	1	10	Optional. Salutation of traveller.
Travellers/Traveller[0] @Forename	1	30	Mandatory. Forename of traveller.
Travellers/Traveller[0] @Surname	1	30	Mandatory. Surname of traveller.
Supplier	0		Optional. Supplier information about the deployment.
Supplier@ID	0	50	Optional. Your ID for the supplier.
Supplier@Name	0	100	Optional. MVP. Name for the supplier.
Supplier/Reference	1	50	Optional. MVP. The reference the supplier provides for the purchase.
Supplier/Address	1		Optional. The address details for the supplier.
Supplier/Address/ Address1	2	100	Optional. Line 1 of the suppliers address.
Supplier/Address/ Address2	2	100	Optional. Line 2 of the suppliers address.
Supplier/Address/ City	2	100	Optional. Suppliers address city name.
Supplier/Address/ PostalOrZipCode	2	30	Optional. Suppliers postal or zip code.
Supplier/Address/ CountryCode	2	=2	Optional. ISO country code of supplier.
Supplier/Address/ Telephone	2	30	Optional. Suppliers telephone number.
Supplier/Address/ Fax	2	30	Optional. Suppliers fax number.
Supplier/Address/Email	2	100	Optional. Suppliers email.
Identifiers	0		Optional. Optional data fields the consumer can submit.
Identifiers[0]/Identifier @Key	1	50	Optional. MVP. The identifier key value.
Identifiers[0]/Identifier @Value	1	200	Optional. MVP. The identifier value.
Identifiers[0]/Identifier @ReportKey	1	50	Optional. The identifier report key (used for Card Issuer data handoff. Contact Conferma for more information).

Ancillaries	0		Optional. Ancillary's collection.
Ancillaries[0]/Ancillary	1		Mandatory. Ancillary object.
Ancillaries[0]/Ancillary@Reference	1	50	Mandatory. Your reference for the ancillary.
Ancillaries[0]/Ancillary@Description	1	200	Mandatory. Description of the ancillary.
Ancillaries[0]/Ancillary@Status	1	Enum	Mandatory. Status of the ancillary; Confirmed or Cancelled.
Ancillaries[0]/Ancillary/Amount	2		Mandatory. Amount object to detail the price of the ancillary.
Ancillaries[0]/Ancillary/ Amount@Value	2	10	Mandatory. Cost of the Ancillary.
Ancillaries[0]/Ancillary/ Amount@Currency	2	=3	Mandatory. 3 character ISO currency code related to the ancillary cost.
ServiceFees	0		Optional. Collection of ServiceFee objects.
ServiceFees[0]/ServiceFee	1		Mandatory. If a ServiceFee is relevant, the ServiceFee node should be created. Multiple ServiceFee objects can be added to a Deployment
ServiceFees[0]/ServiceFee@Reference	1	50	Mandatory. Unique Reference for the Service Fee.
ServiceFees[0]/ServiceFee@Description	1	100	Mandatory. Description of the service fee.
ServiceFees[0]/ServiceFee@ChargeDate	1	10	Mandatory. Date the Service Fee accrued.
ServiceFees[0]/ServiceFee@Amount	2		Mandatory. Amount object of the Service Fee.
ServiceFees[0]/ServiceFee@Amount @Value	2	10	Mandatory. Cost of the Service Fee.
ServiceFees[0]/ServiceFee@Amount @Currency	2	=3	Mandatory. 3 character ISO currency code.

**Example XML**

```

<GetCard>
  <GetCardRequest Type="CarRental" ReturnCVV="true" ReturnBillingAddress="true" Version="1"
  >
    <General>
      <Name>MAN-EUS Return</Name>
      <ConsumerReference>13245654</ConsumerReference>
      <PaymentRange StartDate="2010-06-10" EndDate="2009-06-17" />
      <Amount Value="87.00" Currency="GBP" />
      <PNR Locator="ABCDEF" />
      <Platform Username="stuardavenport" />
      <Customer ID="1234ABC" Name="Big Corp" />
    </General>
    <CarRental>
      <Driver Age="29" />
      <Rental StartLocation="Manchester Airport"
      StartDateTime="2010-06-19T09:30"
      EndLocation="Manchester Marriot Hotel"
      EndDateTime="2010-06-20T10:10" />
      <Vehicle Model="Saloon" Description="5 door car" Registration="CN12 CSP" />
    </CarRental>
    <Travellers>
  
```

```

    <Traveller Salutation="Mr" Forename="John" Surname="Smith" Email="jsmith@email.com"
  />
</Travellers>
<Supplier ID="CarRental.com" Name="Car Rental Company">
  <Address>
    <AddressLine1>Peter St</AddressLine1>
    <AddressLine2 />
    <City>Manchester</City>
    <PostalOrZipCode>M1</PostalOrZipCode>
    <CountryCode>GB</CountryCode>
    <Telephone>01611234567</Telephone>
    <Fax>01612134567</Fax>
  </Address>
  <Reference />
</Supplier>
<Identifiers>
  <Identifier Key="MyCustomKey1" Value="MyCustomValue1" />
  <Identifier Key="MyCustomKey2" Value="MyCustomValue2" />
  <Identifier Key="MyCustomKey3" Value="MyCustomValue3" />
</Identifiers>
</GetCardRequest>
</GetCard>

```

### Output

In response to the *GetCard* web method the following response is returned. Any errors will have been raised in a SOAP Fault.

The response will contain a card that has been uniquely assigned to the purchase for use in the consumers transaction.

Field Name	Level	Description
@Type	0	The type of transaction made.
DeploymentID	0	Declares CPAPI Deployment ID.
General	0	Contains the submitted details.
General/Name	1	Consumer stated deployment name.
General/ConsumerReference	1	Consumer stated reference.
General/PaymentRange@StartDate	1	Date of card deployment.
General/PaymentRange@EndDate	1	Date of card pool return.
General/Amount@Value	1	Booked amount.
General/Amount@Currency	1	Booked amount currency.
General/InvoiceAmount@Value (v.2)	1	Invoice amount. Only visible when version 2 specified on request.
General/InvoiceAmount@Currency (v.2)	1	Invoice amount currency. Only visible when version 2 specified on request.
Card	0	Deployed card details
Card/Name	1	Name on card.
Card/Number	1	Long number across the front of the card.
Card/Type	1	Type of card. AX CA VI etc...
Card/ExpiryDate@Month	1	Card expiry month.
Card/ExpiryDate@Year	1	Card expiry year.
Card/CVV	1	Card verification value.



Card/Provider@ID	1	Conferma card issuer ID.
Card/Provider@Name	1	Conferma card issuer name.
Card/BillingAddress	1	Billing address of card details.
Card/BillingAddress@AccountHolder	1	Enum of AccountHolder. Either <i>TravelAgency</i> or <i>Corporate</i> .
Card/BillingAddress/Address1	2	Address line 1.
Card/BillingAddress/Address2	2	Address line 2.
Card/BillingAddress/City	2	City name.
Card/BillingAddress/PostalOrZipCode	2	Postal code or zip code.
Card/BillingAddress/CountryCode	2	ISO country code of account.
Card/BillingAddress/Telephone	2	Telephone number of card owner.
Card/BillingAddress/Fax	2	Fax number of card owner.
Card/ControlAttributes	2	Optional. Requires minimum <i>Version=1</i> or above set on the XML request.  Card Issuer must support real-time credit limits for this element to return.
Card/ControlAttributes @CardPoolAmount	2	Conversion of requested amount in Card Pool Currency.
Card/ControlAttributes @CardPoolCurrencyCode	2	Billing currency code of the Card Pool.
Card/ControlAttributes @CurrentExchangeRate	2	Current exchange rate between requested currency code and Card Pool billing currency.
Card/ControlAttributes @AssignedCreditLimitAmount	2	Total amount, including system tolerances, that was added to the virtual card.

Refer to the appendices for information on card types.

**XML Example**

```

<GetCardResponse Type="CarRental">
  <DeploymentID>987654329</DeploymentID>
  <General>
    <Name>MAN-Manchester Piccadilly</Name>
    <ConsumerReference>13245688</ConsumerReference>
    <PaymentRange StartDate="2010-06-10" EndDate="2010-06-17" />
    <Amount Value="87.00" Currency="GBP" />
  <PNR Locator="ABCDEF" />
  <Platform Username="stuardtdavenport" />
  </General>
  <Card>
    <Name>Company A Card</Name>
    <Number>1111222233334444</Number>
    <Type>VI</Type>
    <ExpiryDate Month="1" Year="2009" />
    <CVV>123</CVV>
    <Provider ID="999" Name="Card Issuer Name" />
  </Card>
</GetCardResponse>

```

## Get Deployment

Once an immediate deployment has been successful, the selected payment card can be retrieved from the system at any time.

### Get Deployment

To re-retrieve the card from a previous deployment, use the *GetDeployment* method.

#### Input

Field Name	Level	Max Length	Description
@DeploymentID	0	10	Mandatory. ID of the deployment you wish to be returned.
@ReturnCVV	0	Bool	Optional. Declare whether to return the CVV.
@ReturnBillingAddress	0	Bool	Optional. Declare whether to return the billing address.
@ReturnInvoicing	0	Bool	Optional. Declare whether to return the invoicing information.

#### Example XML

```
<GetDeploymentRequest DeploymentID="123456" ReturnCVV="false"
ReturnBillingAddress="false" ReturnInvoicing="false" />
```

#### Output

In response to the *GetDeployment* web method the following response is returned. Any errors will have been raised in a SOAP Fault.

The response will contain the card that was been uniquely assigned to deployment.

Field Name	Level	Description
@DeploymentID	0	Declares CPAPI Deployment ID.
@Type	0	Declare the deployment type.
@Status	0	Declares the deployment status.
Card	0	Deployed card details
Card/Name	1	Name on card.
Card/Number	1	Long number across the front of the card.
Card/Type	1	Type of card. AX CA VI etc...
Card/ExpiryDate@Month	1	Card expiry month.
Card/ExpiryDate@Year	1	Card expiry year.
Card/StartDate@Month	1	Card start month.
Card/StartDate@Year	1	Card start year.
Card/CVV	1	Card verification value.
Card/Provider@ID	1	Conferma card issuer ID.
Card/Provider@Name	1	Conferma card issuer name.
Card/BillingAddress	1	Billing address of card details.

Card/BillingAddress@AccountHolder	1	Enum of AccountHolder. Either <i>TravelAgency</i> or <i>Corporate</i> .
Card/BillingAddress/Address1	2	Address line 1.
Card/BillingAddress/Address2	2	Address line 2.
Card/BillingAddress/City	2	City name.
Card/BillingAddress/PostalOrZipCode	2	Postal code or zip code.
Card/BillingAddress/CountryCode	2	ISO country code of account.
Card/BillingAddress/Telephone	2	Telephone number of card owner.
Card/BillingAddress/Fax	2	Fax number of card owner.
Card/ControlAttributes	2	Optional. Requires minimum <i>Version=1</i> set on the XML request.  Card Issuer must support real-time credit limits for this element to return.
Card/ControlAttributes @CardPoolAmount	2	Conversion of requested amount in Card Pool Currency.
Card/ControlAttributes @CardPoolCurrencyCode	2	Billing currency code of the Card Pool.
Card/ControlAttributes @CurrentExchangeRate	2	Current exchange rate between requested currency code and Card Pool billing currency.
Card/ControlAttributes @AssignedCreditLimitAmount	2	Total amount, including system tolerances, that was added to the virtual card.
General	0	Generic information about the deployment.
General/Name	1	A title to describe the purchase.
General/ConsumerReference	1	A reference to uniquely describe the purchase from the consumers system.
General/PaymentRange@StartDate	1	The date the card is deployed from.
General/PaymentRange@EndDate	1	The date the card is returned to the pool.
General/Amount@Value	1	Amount to assign to the card.
General/Amount@Currency	1	Currency of assign amount.
General/InvoiceAmount@Value (v.2)	1	Invoice amount. Only visible when version 2 specified on request.
General/InvoiceAmount@Currency (v.2)	1	Invoice amount currency. Only visible when version 2 specified on request.
General/Customer	1	Optional. Customer information.
General/Customer@ID	1	ID of customer to associate to the deployment. Useful for a single card account being used for multiple customers.
General/Customer@Name	1	Name of customer to associate to the deployment. Useful for a single card account being used for multiple customers.
General/PNR	0	Optional. PNR information.
General/PNR@Locator	1	PNR Locator.
General/PNR@WorkArea	1	Booking location of PNR, PCC or OfficeID.
General/PNR@SegmentStatus	1	Status of segment. Enum ( <i>NotSet</i> , <i>Online</i> or <i>Passive</i> )
General/Platform	0	Optional. Platform information.
General/Platform@Username	1	Username of user deploying card via requesting application.
Air	0	Optional. Air deployment information.
Air/Route	1	Full route detail. See appendices for <i>Conferma Air Route Format</i> .
Air/Fare	1	Fare information.
Air/Fare/CalculationLine	2	Fare calculation line.
Air/Fare/TourCode	2	Fare tour code.
Air/Fare/EndorsementsRestrictions	2	Fare endorsement and/or restrictions description.
CarRental	0	Car Rental information.

CarRental/Driver	1	Driver information.
CarRental/Driver@Age	1	Age of driver.
CarRental/Rental@StartLocation	1	Name of pick-up location.
CarRental/Rental@StartDateTime	1	Date and time of pick-up.
CarRental/Rental@EndLocation	1	Name of drop-off location.
CarRental/Rental@EndDateTime	1	Date and time of drop-off.
CarRental/Vehicle	1	Vehicle information
CarRental/Vehicle@Model	1	Model/specification of vehicle.
CarRental/Vehicle@Description	1	Description of vehicle.
CarRental/Vehicle@Registration	1	Registration number of vehicle.
Hotel	0	Optional. Hotel deployment information.
Hotel/CareOfName	1	Name of company the booking is for if card account is held by agency.  UK TOMS requirement.
Hotel/Comments	1	Any additional text that should be placed onto the fax. Such as special requirements.
Hotel/ContactName	1	Contact name for the booking.
Hotel/PaymentInstructions	1	Payment instructions with regards to charging the card, e.g. "ROOM ONLY" or "DBB NO ALCOHOL".
Hotel/Rate	1	Information about the rate.
Hotel/Rate/BookingPlatformName	2	Name where the booking was made, e.g. "SABRE" or "TELEPHONE"
Hotel/Rate/RoomType	2	Room type.
Hotel/Rate/RateInformation	2	Text that describes the rate booked.
Hotel/Rate/CancellationPolicy	2	Cancellation policy.
Hotel/Rate/CancellationReference	2	Cancellation reference.
Hotel/Rate/StayRange	2	Dates of stay.
Hotel/Rate/StayRange@StartDate	2	Arrival date.
Hotel/Rate/StayRange@EndDate	2	Departure date.
Rail	0	Optional. Rail deployment information.
Rail/OutboundJourney @StartLocation	1	Name of departure station.
Rail /OutboundJourney @StartDateTime	1	Date and time of departure.
Rail /OutboundJourney @EndLocation	1	Name of arrival station.
Rail /OutboundJourney @EndDateTime	1	Date and time of arrival.
Rail/OutboundJourney/Operator @Name	2	Name of the operator.
Rail/OutboundJourney/Ticket@Cost	2	Cost of the ticket.
Rail/OutboundJourney/Ticket@Class	2	Enumeration of TicketClass - <i>Economy</i> , <i>PremiumEconomy</i> , <i>Business</i> and <i>First</i> .  <i>Economy</i> will be the default type.
Rail/OutboundJourney/Ticket@Description	2	Description of the purchased ticket.
Rail/ReturnJourney	1	Do not include if one way purchase.
Rail/ReturnJourney@StartLocation	1	Name of departure station
Rail/ReturnJourney@StartDateTime	1	Date and time of departure.
Rail/ReturnJourney@EndLocation	1	Name of arrival station. (return).
Rail/ReturnJourney@EndDateTime	1	Date and time of arrival.
Rail/OutboundJourney/Operator @Name	2	Name of the operator.
Rail/OutboundJourney/Ticket@Cost	2	Cost of the ticket.
Rail/OutboundJourney/Ticket@Class	2	Enumeration of TicketClass - <i>Economy</i> , <i>PremiumEconomy</i> , <i>Business</i> and <i>First</i> .  <i>Economy</i> will be the default type.
Rail/OutboundJourney/Ticket@Description	2	Description of the purchased ticket.
Travellers	0	Optional. Traveller information.
Travellers/Traveller[0]@Salutation	1	Salutation of traveller.
Travellers/Traveller[0]@Forename	1	Forename of traveller.
Travellers/Traveller[0]@Surname	1	Surname of traveller.
Travellers/Traveller[0]@Email	1	Email of traveller.

Supplier	0	Optional. Supplier information about the deployment.
Supplier@ID	0	Custom ID for the supplier.
Supplier@Name	0	Name for the supplier.
Supplier/Reference	1	The reference the supplier provides for the purchase.
Supplier/Address	1	Optional. The address details for the supplier.
Supplier/Address/Address1	2	Line 1 of the suppliers address.
Supplier/Address/Address2	2	Line 2 of the suppliers address.
Supplier/Address/City	2	Suppliers address city name.
Supplier/Address/PostalOrZipCode	2	Suppliers postal or zip code.
Supplier/Address/CountryCode	2	ISO country code of supplier.
Supplier/Address/Telephone	2	Suppliers telephone number.
Supplier/Address/Fax	2	Suppliers fax number.
Supplier/Address/Email	2	Suppliers email address.
Identifiers	0	Optional data fields the consumer can submit.
Identifiers[0]/Identifier@Key	1	The identifier key value.
Identifiers[0]/Identifier@Value	1	The identifier value.
Identifiers[0]/Identifier@ReportKey	1	The identifier report key (used for Card Issuer data handoff. Contact Conferma for more information).
Invoicing	0	Optional. Invoicing information.
Invoicing@UploadCode	1	Invoice upload code for use on <a href="https://www.cspinvoice.com">https://www.cspinvoice.com</a> . Invoices will be made available in SNAP.

**XML Example**

```

<GetDeployment>
  <GetDeploymentResult Type="Hotel" DeploymentID="11179" Status="Deployed">
    <General>
      <Name>CONFERMA TEST DEPLOYMENT</Name>
      <ConsumerReference>a17d9093-9</ConsumerReference>
      <Amount Value="79.0000" Currency="GBP" />
      <PaymentRange StartDate="2011-03-14T00:00:00" EndDate="2011-03-16T00:00:00" />
    </General>
    <Card>
      <Name>CONFERMA LTD</Name>
      <Number>123123412341234</Number>
      <Type>VI</Type>
      <ExpiryDate Month="9" Year="2013" />
      <CVV />
    </Card>
    <Identifiers>
      <Identifier Key="Room Rate" Value="QARA86" />
      <Identifier Key="PCC" Value="ABC2" />
    </Identifiers>
    <Supplier ID="16531" Name="Midland Hotel Manchester">
      <Address>
        <AddressLine1>Peter St</AddressLine1>
        <AddressLine2 />
        <City>Manchester</City>
        <PostalOrZipCode>M1</PostalOrZipCode>
        <CountryCode>GB</CountryCode>
        <Telephone>01611234567</Telephone>
        <Fax>01612134567</Fax>
      </Address>
      <Reference />
    </Supplier>
  </GetDeploymentResult>
</GetDeployment>

```

```

</Supplier>
<Travellers>
  <Traveller Salutation="Mr" Forename="Stuart" Surname="Davenport" />
</Travellers>
<Hotel>
  <Rate>
    <BookingPlatform>SABRE</BookingPlatform>
    <Stay StartDate="2011-03-14T00:00:00" EndDate="2011-03-16T00:00:00" />
    <RoomType>SINGLE ROOM</RoomType>
    <RateInformation>BREAFAST INC. WIFI</RateInformation>
    <CancellationPolicy>CANX 4PM DAY OF ARRIVAL</CancellationPolicy>
  </Rate>
  <CareOfName>ABC Corp.</CareOfName>
  <ContactName>STUART DAVENPORT</ContactName>
  <PaymentInstruction>ROOM ONLY</PaymentInstruction>
  <Comments>Guest prefers a ground floor room.</Comments>
</Hotel>
</GetDeploymentResult>
</GetDeployment>

```

## Update Deployment

Once an immediate deployment has been successful, consumers can update the deployment. Whether consumers are using the Generic, Air, Car Rental, Hotel or Rail GetCard, this method is to be used.

This method allows consumers to change varied values on the deployment such as card check-out periods, status, amounts, identifiers, supplier information, air and hotel data.

Consumers cannot change the deployment type.

This method supersedes *UpdateDeploymentStatus web method*.

## Update Deployment

### Input

Field Name	Level	Max Length	Description
@Version	0	2	Mandatory. Set to 1 if you wish the card object to be returned. Current version = "2"
@ReturnCVV	0	Bool	Optional. If version >=1, then this <i>ReturnCVV</i> is referenced to check if the security code should be returned in the XML.
DeploymentID	0	10	Mandatory. Declares CPAPI Deployment ID.
Status	0	Enum	Mandatory. Declares the deployment status.

General	0		Optional. Generic information about the deployment.
General/Name	1	50	Optional. A title to describe the purchase.
General/ConsumerReference	1	50	Optional. A reference to uniquely describe the purchase from the consumers system.
General/PaymentRange@StartDate	1	10	Optional. The date the card is deployed from.
General/PaymentRange@EndDate	1	10	Optional. The date the card is returned to the pool.
General/Amount@Value	1	10	Optional. Amount to assign to the card.
General/Amount@Currency	1	=3	Optional. Currency of assign amount.
General/InvoiceAmount@Value (v.2)	1	10	Optional. Additional amount field to allow capture of invoice amount where a different deployment amount is required.
General/InvoiceAmount@Currency (v.2)	1	=3	Optional. Currency of assigned invoice amount.
General/Customer	1		Optional. Customer information.
General/Customer@ID	1	50	Optional. ID of customer to associate to the deployment. Useful for a single card account being used for multiple customers.
General/Customer@Name	1	50	Optional. Name of customer to associate to the deployment. Useful for a single card account being used for multiple customers.
General/PNR	1		Optional. PNR information.
General/PNR@Locator	1	20	Optional. PNR Locator.
General/PNR@WorkArea	1	10	Optional. Booking location of PNR, PCC or OfficeID.
General/PNR@SegmentStatus	1	Enum (NotSet, Online or Passive)	Optional. Status of segment.
General/Platform	1		Optional. Platform information.

General/Platform@Username	1	50	Optional. Username of user deploying card via requesting application.
Air	0		Optional. Air information.
Air/Route	1		Optional. Full route detail. See appendices for <i>Conferma Air Route Format</i> .
Air/Fare	1		Optional. Fare information.
Air/Fare/CalculationLine	2	1000	Optional. Fare calculation line.
Air/Fare/TourCode	2	20	Optional. Fare tour code.
Air/Fare/EndorsementsRestrictions	2	100	Optional. Fare endorsement and/or restrictions description.
CarRental	0		Mandatory. Car Rental information.
CarRental/Rental@StartLocation	1	50	Mandatory. Name of pick-up.
CarRental/Rental@StartDateTime	1	16	Mandatory. Date and time of pick-up.
CarRental/Rental@EndLocation	1	50	Mandatory. Name of drop-off.
CarRental/Rental@EndDateTime	1	16	Mandatory. Date and time of drop-off.
CarRental/Vehicle	1		Optional. Vehicle object.
CarRental/Vehicle@Model	1	50	Optional. Model/specification of vehicle.
CarRental/Vehicle@Description	1	200	Optional. Description of vehicle.
CarRental/Vehicle@Registration	1	20	Optional. Registration number of vehicle.
Hotel	0		Optional. Hotel booking information.
Hotel/CareOfName	1	200	Optional. Name of company the booking is for if card account is held by agency.  UK TOMS requirement.
Hotel/Comments	1	4000	Optional. Any additional text that should be placed onto the fax. Such as special requirements.
Hotel/ContactName	1	100	Optional. Contact name for the booking.
Hotel/PaymentInstructions	1	200	Optional. Payment instructions with regards to charging the card, e.g. "ROOM



			ONLY" or "DBB NO ALCOHOL".
Hotel/Rate	1		Optional. Information about the rate.
Hotel/Rate/BookingPlatformName	2	50	Optional. Name where the booking was made, e.g. "SABRE" or "TELEPHONE"
Hotel/Rate/RoomType	2	30	Optional. Room type.
Hotel/Rate/RateInformation	2	200	Optional. Text that describes the rate booked.
Hotel/Rate/CancellationPolicy	2	200	Optional. Cancellation policy.
Hotel/Rate/CancellationReference	2	30	Optional. Cancellation reference.
Hotel/Rate/StayRange	2		Optional. Dates of stay.
Hotel/Rate/StayRange @StartDate	2	10	Optional. Arrival date.
Hotel/Rate/StayRange @EndDate	2	10	Optional. Departure date.
Travellers	0		Optional. Traveller information.
Travellers/Traveller[0]@Salutation	1	10	Optional. Salutation of traveller.
Travellers/Traveller[0]@Forename	1	30	Optional. Forename of traveller.
Travellers/Traveller[0]@Surname	1	30	Optional. Surname of traveller.
Travellers/Traveller[0]@Email	1	100	Optional. Email of supplier.
Supplier	0		Optional. Supplier information about the deployment.
Supplier@ID	0	50	Optional. Custom ID for the supplier.
Supplier@Name	0	100	Optional. Name for the supplier.
Supplier/Reference	1	50	Optional. The reference the supplier provides for the purchase.
Supplier/Address	1		Optional. The address details for the supplier.
Supplier/Address/ Address1	2	100	Optional. Line 1 of the suppliers address.
Supplier/Address/ Address2	2	100	Optional. Line 2 of the suppliers address.
Supplier/Address/City	2	100	Optional. Suppliers address city name.
Supplier/Address/ PostalOrZipCode	2	30	Optional. Suppliers postal or zip code.
Supplier/Address/ CountryCode	2	=2	Optional. ISO country code of supplier.
Supplier/Address/ Telephone	2	30	Optional. Suppliers telephone number.

Supplier/Address/ Fax	2	30	Optional. Suppliers fax number.
Supplier/Address/ Email	2	100	Optional. Suppliers email.
Identifiers	0		Optional data fields the consumer can submit.
Identifiers[0]/Identifier@Key	1	50	Optional. The identifier key value.
Identifiers[0]/Identifier@Value	1	200	Optional. The identifier value.
Identifiers[0]/Identifier@ReportKey	1		Optional. The identifier report key (used for Card Issuer data handoff. Contact Conferma for more information).
Ancillaries	0		Optional. Ancillary's collection.
Ancillaries[0]/Ancillary	1		Mandatory. Ancillary object.
Ancillaries[0]/Ancillary@Reference	1	50	Mandatory. Your reference for the ancillary.
Ancillaries[0]/Ancillary@Description	1	200	Mandatory. Description of the ancillary.
Ancillaries[0]/Ancillary@Status	1	Enum	Mandatory. Status of the ancillary; <i>Confirmed</i> or <i>Cancelled</i> .
Ancillaries[0]/Ancillary/Amount	2		Mandatory. Amount object to detail the price of the ancillary.
Ancillaries[0]/Ancillary/ Amount@Value	2	10	Mandatory. Cost of the Ancillary.
Ancillaries[0]/Ancillary/ Amount@Currency	2	=3	Mandatory. 3 character ISO currency code related to the ancillary cost.
Ancillaries[0]/Ancillary/ AirAncillary@StartLocation	2	=3	Optional – Air only. If the ancillary is associated (EMD-A) to a leg, then this should be set to the origin airport IATA code.
Ancillaries[0]/Ancillary/ AirAncillary@StartDate	2	10	Optional – Air only. If the ancillary is associated (EMD-A) to a leg, then this should be set to the origin airport departure date.
Ancillaries[0]/Ancillary/ AirAncillary@EndLocation	2	=3	Optional – Air only. If the ancillary is associated (EMD-A) to a leg, then this should be set to the arrival airport IATA code.

Ancillaries[0]/Ancillary/ AirAncillary@EMDGroup	2	2	Optional – Air only. The 2 character IATA EMD Group Code. See Appendices for a full listing.
Ancillaries[0]/Ancillary/ AirAncillary@EMDRFIC	2	1	Optional – Air only. The 1 character IATA EMD Reason For Issuance Code. See Appendices for a full listing.
ServiceFees	0		Optional. Collection of ServiceFee objects.
ServiceFees[0]/ServiceFee	1		Mandatory. If a ServiceFee is relevant, the ServiceFee node should be created. Multiple ServiceFee objects can be added to a Deployment
ServiceFees[0]/ServiceFee@Reference	1	50	Mandatory. Unique Reference for the Service Fee.
ServiceFees[0]/ServiceFee@Description	1	100	Mandatory. Description of the service fee.
ServiceFees[0]/ServiceFee@ChargeDate	1	10	Mandatory. Date the Service Fee accrued.
ServiceFees[0]/ServiceFee@Amount	2		Mandatory. Amount object of the Service Fee.
ServiceFees[0]/ServiceFee@Amount @Value	2	10	Mandatory. Cost of the Service Fee.
ServiceFees[0]/ServiceFee@Amount @Currency	2	=3	Mandatory. 3 character ISO currency code.

**Example XML**

```

<UpdateDeployment>
  <UpdateDeploymentRequest>
    <DeploymentID>11178</DeploymentID>
    <Status>CancelledWithSupplier</Status>
    <Hotel>
      <Rate>
        <CancellationReference>ABCDECXX</CancellationReference>
      </Rate>
    </Hotel>
  </UpdateDeploymentRequest>
</UpdateDeployment>
    
```

**Output**

In response to the *UpdateDeployment* web method the following response is returned. Any errors will have been raised in a SOAP Fault.

The response will contain a flag containing the success state.

Field Name	Level	Description
Updated	0	If the request was successful.
Card	0	Deployed card details
Card/Name	1	Name on card.
Card/Number	1	Long number across the front of the card.
Card/Type	1	Type of card. AX CA VI etc...
Card/ExpiryDate@Month	1	Card expiry month.
Card/ExpiryDate@Year	1	Card expiry year.
Card/StartDate@Month	1	Card start month.
Card/StartDate@Year	1	Card start year.
Card/CVV	1	Card verification value.
Card/Provider@ID	1	Conferma card issuer ID.
Card/Provider@Name	1	Conferma card issuer name.
Card/BillingAddress	1	Billing address of card details.
Card/BillingAddress@AccountHolder	1	Enum of AccountHolder. Either TravelAgency or Corporate.
Card/BillingAddress/Address1	2	Address line 1.
Card/BillingAddress/Address2	2	Address line 2.
Card/BillingAddress/City	2	City name.
Card/BillingAddress/PostalOrZipCode	2	Postal code or zip code.
Card/BillingAddress/CountryCode	2	ISO country code of account.
Card/BillingAddress/Telephone	2	Telephone number of card owner.
Card/BillingAddress/Fax	2	Fax number of card owner.
Card/ControlAttributes	2	Optional. Requires minimum <i>Version=1</i> set on the XML request.  Card Issuer must support real-time credit limits for this element to return.
Card/ControlAttributes @CardPoolAmount	2	Conversion of requested amount in Card Pool Currency.
Card/ControlAttributes @CardPoolCurrencyCode	2	Billing currency code of the Card Pool.
Card/ControlAttributes @CurrentExchangeRate	2	Current exchange rate between requested currency code and Card Pool billing currency.
Card/ControlAttributes @AssignedCreditLimitAmount	2	Total amount, including system tolerances, that was added to the virtual card.

**XML Example**

```
<UpdateDeploymentResult>
  <Updated>true</Updated>
</UpdateDeploymentResult>
```

**Get BIN**

The BIN range of a virtual card represents the first six digits of a virtual card’s Primary Account Number (PAN). The BIN range identifies the card issuer and type of card being used.

In some use cases where a final purchase price is impacted by the type of card used, it may be required check the BIN range being used for a particular Card Pool without generating a virtual card. The *GetBIN* web method enables this.

The standard Card Pool credentials and *Spend Type* should be sent in the message to return the correct BIN range.

In the main, a Card Pool will only generate cards of a single BIN range. An exception case exists for AirPlus International when generating a virtual card for Air. Additional validation takes place on the Conferma system to check if the airline supports UATP. If so, a UATP BIN will be returned instead of a MasterCard. See [AirPlus International UATP Switch](#) section in the appendices for more information.

## Get BIN

To check the BIN range for a Card Pool, use the *GetBIN* web method.

### Input

Field Name	Level	Max Length	Description
@Type	0	Enum	Mandatory. The <a href="#">Deployment Type</a> you are requesting, such as General, Air, Hotel.
Supplier@ID	0	2	Mandatory where @Type=Air only.  You must set the value to the 2 character IATA carrier code.

### Example XML

```
<GetBin>
  <GetBINRequest Type="Air">
    <Supplier ID="BA">
    </Supplier>
  </GetBINRequest>
</GetBin>
```

### Output

In response to the *GetBIN* web method the following response is returned. Any errors will have been raised in a SOAP Fault.

The response will contain a list of the BIN range and card scheme type.

Field Name	Level	Description
Type	0	The <a href="#">card scheme type</a> .
BIN	0	Six digit BIN range.

### XML Example

```
<GetBINResponse xmlns="http://cpapi.conferma.com/">
  <GetBINResult>
    <Type>VI</Type>
    <BIN>456712</BIN>
  </GetBINResult>
</GetBINResponse>
```

## Get Card Activity

Dependant on Card Issuer capability, it is possible to retrieve the real-time authorisation data from the virtual card by Deployment ID. Visibility on card activity helps reduce the need to contact the Card Issuer regarding merchant billing queries.

### Supported Card Issuers

The following Card Issuers have authorisation data exposed via this interface API.

- Barclaycard (Precisionpay)
- Bank of America (MasterCard Purchase Control)
- Citi (MasterCard Purchase Control)
- eNett International
- JP Morgan Chase
- Promsvyazbank (PS Bank)
- Royal Bank of Scotland (MasterCard Purchase Control)
- Silicon Valley Bank
- US Bank (AOC)
- WEX Europe

If a request is made for a non-supported Card Issuer, the *GetCardActivity* web method will return zero records.

For more information, please contact Conferma.

## Get Card Activity

To update the deployment status for a previous deployment, use the *GetCardActivity* web method.

*Important Note: This method should not be used for automatic polling of to check when cards are billed.*

### Input

Field Name	Level	Max Length	Description
@DeploymentID	0	10	Mandatory. ID of the deployment.

### Example XML

```
<GetCardActivity>
  <GetCardActivityRequest DeploymentID="1234567" />
</GetCardActivity>
```

### Output

In response to the *GetCardActivity* web method the following response is returned. Any errors will have been raised in a SOAP Fault.

The response will contain a list of Card Activity items, detailing the authorisation request and type.

Field Name	Level	Description
DeploymentID	0	The ID of the deployment.
CardActivities	0	List of queue items.
CardActivities[0]/CardActivity@MerchantAmount	1	The amount of the authorisation in the merchant's local billing currency.

CardActivities[0]/CardActivity@ MerchantCurrencyCode	1	The billing currency of the merchant.
CardActivities[0]/CardActivity@ MerchantNarrative	1	Merchant name/description.
CardActivities[0]/CardActivity@ MerchantCountryCode	1	2 character ISO country code where the merchant attempted to charge the card from.
CardActivities[0]/CardActivity@ MCC	1	Merchant Category Code associated with the merchant.
CardActivities[0]/CardActivity@ ActivityType	1	Enumeration of the type of activity performed against the card.  Options; Authorisation PreAuthorisation AVSOnly Transaction Refund  Note: Not all types will be supported by every Card Issuer.
CardActivities[0]/CardActivity@ Timestamp	1	Timestamp of the card activity. Time is related to the time-zone of the Card Issuers processor.
CardActivities[0]/CardActivity@ Description	1	Free text information provided by the Card Issuer.
CardActivities[0]/CardActivity@ Result	1	Free text value on the result of the card activity.

**XML Example**

```
<GetCardActivityResult DeploymentID="1234567">
  <CardActivities>
    <CardActivity MerchantAmount="400.00" MerchantCurrencyCode="USD"
MerchantCountryCode="US" MerchantNarrative="HILTON WALDORF NEW YORK" MCC="4029"
ActivityType="PreAuthorisation" Timestamp="2015-01-02t12:40:30" Description=""
Result="Authorise" />
    <CardActivity MerchantAmount="400.00" MerchantCurrencyCode="USD"
MerchantCountryCode="US" MerchantNarrative="HILTON WALDORF NEW YORK" MCC="4029"
ActivityType="Authorisation" Timestamp="2015-01-03t12:40:30" Description=""
Result="Authorise" />
  </CardActivities>
</GetCardActivityResult>
```

## Get Message Queue

If Conferma is being used for faxing, consumers can view the message delivery history of a particular deployment.

These status' can be managed via the *GetMessageQueue* web method.

## Get Message Queue

To retrieve the payment communication history of a deployment, use the *GetMessageQueue* method.

*Important Note: This method should not be used for automatic polling of the fax status. Failed faxes are notified via Email. The email should be sent to either a travel team within looking after the corporate account or the individual Agent booker. The email address can be specified during SendFax().*

### Input

Field Name	Level	Max Length	Description
@Version	0	2	Mandatory. Set to 1 if you wish the card object to be returned. Current version = "2"
DeploymentID	0	10	Mandatory. ID of the deployment.

### Example XML

```
<GetMessageQueue>
  <GetMessageQueueRequest Version="2">
    <DeploymentID>1234567</DeploymentID>
  </GetMessageQueueRequest>
</GetMessageQueue>
```

### Output

In response to the *GetMessageQueue* web method the following response is returned. Any errors will have been raised in a SOAP Fault.

The response will contain a list of queue items, their status and delivery date/time.

Field Name	Level	Description
DeploymentID	0	The ID of the deployment.
QueueRecords	0	List of queue items.
QueueRecords[0]/QueueRecord@DeliveryAddress	1	The number the fax was sent to.
QueueRecords[0]/QueueRecord@Status	1	Status of the deployment;  Sent = Delivered to the number. Queued = In queue, awaiting delivery. Failed = Message failed. Sending = Message is being delivered. Unknown = None of the above
QueueRecords[0]/QueueRecord@DeliveryDate	1	Date time the message was sent.
QueueRecords[0]/QueueRecord@DeliveryAddress	1	String. The address of communication sent. May be an email or fax number format.
QueueRecords[0]/QueueRecord@DocumentType	1	"Hotel" or "HotelAmendment" or "HotelCancellation" or "HotelCVV" or "SupplierPayment"
QueueRecords[0]/QueueRecord@CommunicationType	1	"Unknown" or "Fax" or "Email" or "SecureEmail" or "API" or "BatchFile"
QueueRecords[0]/QueueRecord@OverrideInvoked	1	True or false
QueueRecords[0]/QueueRecord@OriginalDeliveryAddress	1	String. The original communication address



		requested. May be an email or fax number format.
QueueRecords[0]/QueueRecord@PlatformName	1	Name where the request was made, e.g. "WEBPAY"
QueueRecords[0]/QueueRecord@TrackingStatus	1	"Unavailable" = No tracker records - trackers are not applicable i.e. it is a fax not an email. "Inactive" = no tracker hits. "Opened" = A tracker exists and there are associated hit records to the tracker i.e. the email was opened.
QueueRecords[0]/QueueRecord@TrackingDateTime	1	Date and time of the last tracking status

**XML Example**

```
<GetMessageQueueResult>
  <DeploymentID>1234567</DeploymentID>
  <QueueRecords>
    <QueueRecord DeliveryAddress="441614528798" Status="Sent"
DeliveryDate="2011-01-30T10:30:45"/>
    <QueueRecord DeliveryAddress="441614528798" Status="Queued" />
  </QueueRecords>
</GetMessageQueueResult>
```

## Get Card Pool Balance

If a pre-funded virtual card product is being used, the balance of the funding account can be retrieved.

Note: This operation is dependent on Card Issuer capability.

### Get Card Pool Balance

To retrieve the funding account balance for a Card Pool, use the *GetCardPoolBalance* method.

*Important Note: This method should not be used for automatic polling of the account balance.*

**Input**

Field Name	Level	Max Length	Description
@Type	0	Enum	Mandatory. Declares the spend type of the Card Pool.

**Example XML**

```
<GetCardPoolBalance>
  <GetCardPoolBalanceRequest Type="General" />
</GetCardPoolBalance>
```

## Output

In response to the *GetCardPoolBalance* web method the following response is returned. Any errors will have been raised in a SOAP Fault.

The response will contain a *GetCardPoolBalanceResult* providing the amount value and currency.

Field Name	Level	Description
Amount@Value	1	Amount available on the funding account.
Amount@Currency	1	Currency of assign amount.

## XML Example

```
<GetCardPoolBalanceResponse>
  <GetCardPoolBalanceResult>
    <Amount Value="50000.00" Currency="USD" />
  </GetCardPoolBalanceResult>
</GetCardPoolBalanceResponse>
```

## Appendices

### Enumerations

#### Deployment Status

The following Deployment Status' are represented in CSP On-Demand.

Status	Description
Deployed	Card generated and currently with the supplier. Card charges are expected.
CancelledWithSupplier	Card generated, submitted to the supplier, but the purchase was later cancelled.
FailedWithSupplier	Card generated, submitted to supplier, but the purchase failed.
NotUsed	Card generated but not passed to the Supplier.
FailedDeployment	An internal Conferma status

#### Deployment Types

Each virtual card that is generated is associated to a particular Deployment *Type*. The *Type* drives what type of data Conferma capture and potentially how the card is controlled. Capturing specific data based on purchase gives greater data quality and insight into purchases.

Conferma operate a Generic type and Travel specific categories.

Status	Description
Generic	The Generic type is used for miscellaneous purchases or B2B spend.
Air	Captures information relating to air tickets; scheduled or LCC.
CarRental	Captures data related to the rental of a car or ground transportation, such as taxis or transfers.
Hotel	Captures data related to a hotel stay.
Rail	Captures data related to a rail booking.
ServiceFee	Supporting where a virtual card is generated solely to allow a travel agency to bill a service fee.

#### Card Types

The following card types are supported in CSP On-Demand.

Type Code	Scheme Name
AX	American Express
CA	MasterCard
CW	Conferma Wallet
DC	Diners Club
UA	UATP
VI	Visa

UATP cards are only returned for AirPlus International (AIDA) accounts which are used for Air spend only. UATP cards are only returned for UATP supporting airlines.

Conferma Wallet cards (Payment Tokens) can only be used where the merchant interfaces with the Conferma Authorisation API.

### Financial Partners

The following financial partners are supported in CSP On-Demand.

- Absa Bank

- AirPlus International
- American Express
  - vPayment Platform
  - vNG Platform
- Axis Bank
- Banco Bradesco
- Bank of America
- Bank of Montreal
- Bank of the West
- Barclaycard Commercial
- BNP Paribas
- Broxel Financial Services
- Citi
- Comdata
- Commonwealth Bank of Australia
- Diners Club International
- eNett International
- JP Morgan Chase
- HSBC
- ING Poland
- Lloyds Banking Group
- Promsvyazbank (PS Bank)
- Royal Bank of Scotland
- Santander
- SEB
- Silicon Valley Bank
- Swisscard
- US Bank
- Wirecard AG
- Wells Fargo
- WestPac
- WEX Europe
- WEX Inc.

For further information on our Financial Partners, such as country and currency support, please access the Conferma Setup Portal or contact your Conferma account manager.

## Tolerances

CSP supports a number of Card Pool level tolerances that can be pre-configured within the Conferma platform.

Tolerances allow for additional pads to be placed on the card credit limit and activation dates (Start and End).

*Note: Tolerances are only available for Card Issuers with real-time credit limit support.*

The below table details the types of Tolerances available in CSP.

Tolerance Type	Description
% Increase	Add X percentage of the requested amount to the card.
% Foreign Exchange	If the requested amount currency code does not match the billing currency code, add X percentage of the requested amount to the card.
Static Amount Increase	Add X amount to the requested amount on the card.
Static Per Night Amount	For each night stay or journey, add X amount to the requested amount. <i>Note: Available only for travel related spend categories.</i>
Static Override	Always place X amount on the card, irrelevant of the requested amount.

Start Date Extend	Number of days to bring forward the cards activation date, calculated from the requested Start Date.
End Date Extend	Number of days to add to requested End Date, extending the activation period.

To configure a Tolerance, please contact your Conferma Account Manager or the Conferma support team. A Tolerance can be changed in the future, however only takes effect on new deployed or amended cards after the change date.

### Ancillaries and Service Fees

When creating or updating a Deployment, it is possible to associate Service Fees or Ancillaries with the same Deployment (virtual card).

An ancillary may be an extra bag for a flight or internet access during a hotel stay.

A service fee will reflect the charge a TMC will make for providing the service.

Multiple ancillaries and service fees can be associated to the same Deployment.

The amounts that are declared in both an ancillary and service fee are added to the Deployment amount automatically. There is no need to include the ancillary and service fee cost to the *General.Amount@Value* field. CSP will also automatically employ currency conversion of the ancillary and service fee amounts if these are declared in a differing currency to the Deployment or Card Pool billing currency.

### Air Data

#### Air Route Format

Conferma only support detailed breakdown of an outbound and return journey within the API, however Conferma also support a free text data field that allows for the storage of detailed journey information. The format is intended to be easily read without requiring prior knowledge of the format.

The data can be used for detailed reporting.

#### Example

```
MAN19JUN0730LHR19JUN1030BA1234F-MAN19JUN0730LHR19JUN1030BA1234E-
MAN19JUN0730LHR19JUN1030BA1234E
```

The format supports up to 18 legs in a journey. Each leg is separated by a hyphen.

#### Leg Element Breakdown (*MAN19JUN0730LHR19JUN1030BA1234E*)

Field Part	Length	Description
MAN	3	3 character departure airport code.
19	2	Departure month day number.
JUN	3	3 character name of departure month.
0730	4	24 hour time of departure
LHR	3	3 character arrival airport code.
19	2	Arrival month day number.
JUN	3	3 character name of arrival month.
1030	4	24 hour time of arrival.
BA	3	Airline code.
1234	4	Flight number.
E	1	Class of travel. <i>E=Economy, P=Premium Economy, B=Business, F=First</i>

### Air Ancillaries – EMD Group Codes

The below table details the standard IATA EMD Group Codes. These codes can be submitted with an Ancillary object when requesting a virtual card for Air.

Group Code	Group Name
BD	Bundled Services
BF	Branded Fares
BG	Baggage
CO	Carbon Offset
FF	Frequent Flyer
GT	Ground Transportation
IE	In-Flight Entertainment
LG	Lounge
MD	Medical
ML	Meal/Beverage
PT	Pets
RO	Rule Override
SA	Seat Assignment
SB	Standby
ST	Store Merchandise
TS	Travel Services
UN	Unaccompanied Escort Services
UP	Upgrades

### Air Ancillaries – EMD Reason for Issuance Codes

The below table details the standard IATA EMD Reason for Issuance Codes. These codes can be submitted with an Ancillary object when requesting a virtual card for Air.

Reason for Issuance Code	Description
A	Air Transportation
B	Surface/Non-Air Services
C	Baggage
D	Financial Impact
E	Airport Services
F	Merchandise
G	In-Flight Entertainment
I	Individual Airline Use

### Financial Partner Data Submission

It is possible with some Financial Partners to submit data into their systems, allowing them to report directly enhanced data via either their own electronic reporting systems or to be printed on the paper statement.

Implementation of this functionality is as per the clients requirements.

Data can be mapped to the Financial Partners systems by using the *Identifiers* collection in the *GetCard()* and *UpdateDeployment()* methods. The *ReportKey* attribute for each *Identifier* can be used to map your data to their system. The below XML snippet details an example of data being mapped to AirPlus International data fields.

```
<Identifiers>
  <Identifier Key="Cost Centre" Value="QARA86" ReportKey="DBI_KS" />
  <Identifier Key="Project Code" Value="ABC2" ReportKey="DBI_PK" />
</Identifiers>
```

```
</Identifiers>
```

### WebPay Override

If your application does not support the ability to submit a *ReportKey*, it is possible for the CSP On-Demand API to automatically set the appropriate *ReportKey* on receiving your request.

You must inform Conferma the name/label (*Key*) and *ReportKey* of the Custom Data Fields you will be submitting for a particular Card Pool. These Custom Data Fields can be configured for presentation in WebPay and set with default *ReportKey*.

When a *GetCard()* or *UpdateDeployment()* request is made containing *Identifiers* with no *ReportKey*, the CSP On-Demand API will perform a lookup against the Card Pool and *Key* value. If a *ReportKey* exists then the system will automatically set the *ReportKey* on the *Identifier*.

### AirPlus International Supported Mapping (Europe)

The below Report Keys are supported with AirPlus International Europe accounts.

AirPlus International Field	Description	ReportKey
AE (Accounting Unit)	Alpha numeric (Max 17 characters)	DBI_AE
AU (Order number)	Alpha numeric (Max 17 characters)	DBI_AU
DS (Department code)	Alpha numeric (Max 17 characters)	DBI_DS
IK (Internal account)	Alpha numeric (Max 17 characters)	DBI_IK
KS (Cost Centre)	Alpha numeric (Max 17 characters)	DBI_KS
PK (Employee Number)	Alpha numeric (Max 17 characters)	DBI_PK
PR (Project Code)	Alpha numeric (Max 17 characters)	DBI_PR
RZ (Destination)	Alpha numeric (Max 17 characters)	DBI_KZ

### AirPlus International Supported Mapping (US)

The below Report Keys are supported with AirPlus International US accounts. AirPlus International US accounts are issued via WEX Inc.

AirPlus US Field	Description	ReportKey
Reference 1	Alpha numeric (Max 17 characters)	REF1
Reference 2	Alpha numeric (Max 17 characters)	REF2
Reference 3	Alpha numeric (Max 17 characters)	REF3
Reference 4	Alpha numeric (Max 17 characters)	REF4
Reference 5	Alpha numeric (Max 17 characters)	REF5

### American Express vPayment Supported Mapping

The American Express vPayment API supports three Custom Data Fields, however the first field is reserved for Conferma.

The below Report Keys are supported with American Express accounts.

American Express Field	Description	ReportKey
User Defined Field 2	Alpha numeric (Max 17 characters)	REF2
User Defined Field 3	Alpha numeric (Max 17 characters)	REF3

### American Express vNG Platform Supported Mapping

The American Express vNG API supports ten Custom Data Fields. Other vNG fields are prepopulated from the standard Deployment data fields.

The below Report Keys are supported with American Express accounts.

Each field can be up to 40 characters in length.

American Express Field	Description	ReportKey
User Defined Field 5	Alpha numeric	UDF5
User Defined Field 6	Alpha numeric	UDF6
User Defined Field 7	Alpha numeric	UDF7
User Defined Field 8	Alpha numeric	UDF8
User Defined Field 9	Alpha numeric	UDF9
User Defined Field 10	Alpha numeric	UDF10
User Defined Field 11	Alpha numeric	UDF11
User Defined Field 12	Alpha numeric	UDF12
Accounting Field 3	Alpha numeric	AF3
Accounting Field 7	Alpha numeric	AF7

### Citi Supported Mapping

The below Report Keys are supported with Citi accounts. Each *Reference* field can be up to 50 characters in length.

Citi Field	Description	ReportKey
Reference 1	Custom data field 1	REF1
Reference 2	Custom data field 2	REF2
Reference 3	Custom data field 3	REF3
Reference 4	Custom data field 4	REF4
Reference 5	Custom data field 5	REF5
Reference 6	Custom data field 6	REF6
Reference 7	Custom data field 7	REF7
Reference 8	Custom data field 8	REF8
Reference 9	Custom data field 9	REF9
Reference 10	Custom data field 10	REF10

### Royal Bank of Scotland Supported Mapping

The below Report Keys are supported with Royal Bank of Scotland. The below data will flow through to MasterCard SmartData Online.

RBS Field	Description	ReportKey
-----------	-------------	-----------



Reference 1	Custom data field 1	REF1
Reference 2	Custom data field 2	REF2
Reference 3	Custom data field 3	REF3
Reference 4	Custom data field 4	REF4
Reference 5	Custom data field 5	REF5

### WEX Europe Supported Mapping

The below Report Keys are supported with WEX Europe accounts.

RBS Field	Description	ReportKey
Reference 1	Custom data field 1	REF1
Reference 2	Custom data field 2	REF2
Reference 3	Custom data field 3	REF3
Reference 4	Custom data field 4	REF4
Reference 5	Custom data field 5	REF5

### WEX Inc. Supported Mapping

The below Report Keys are supported with WEX Inc. accounts. Each Reference can be up to 17 characters in length.

WEX Inc. Field	Description	ReportKey
Reference 1	Alpha numeric	REF1
Reference 2	Alpha numeric	REF2
Reference 3	Alpha numeric	REF3
Reference 4	Alpha numeric	REF4
Reference 5	Alpha numeric	REF5
Reference 6	Alpha numeric	REF6
Reference 7	Alpha numeric	REF7

### Conferma Pay Online Approval Support

Conferma Pay Online is a central hub of CSP, allowing manual card creation via a web browser or native mobile application. Conferma Pay Online supports an approval process whereby the requested amount is validated against the individual limit associated to the requesting User. If above the Users limit the request is redirected to the Users manager for approval. The Users manager can approve via the web browser or a native mobile application.

The CSP On-Demand API has been updated to support the Conferma Pay Online approval process.

To support the Conferma Pay Online approval process, the Conferma Pay Online username of the requestor should be submitted during *GetCard()* or *UpdateDeployment()*. The exact and existing Username within the platform must be submitted via a SOAP Header named *WebPay*. The *WebPay* header object must be placed within the *soap:Header* element.

#### XML Example

```
<soap:Header>
  <Audit PlatformUsername="localusername" Context="New request"
xmlns="http://cpapi.conferma.com/" />
  <ConfermaUserStateHeader xmlns="http://cpapi.conferma.com/">
    <AgentID>123</AgentID>
    <ClientID>123</ClientID>
    <BookerID>123</BookerID>
    <ConsumerAccountCode Type="INTERNALID" Code="123ABC" />
  </ConfermaUserStateHeader>
</soap:Header>
```

```
<WebPay Username="webpayusername" xmlns="http://cpapi.conferma.com/" />
</soap:Header>
```

## Conferma Pay Mobile App Support

The Conferma Pay app is a mobile application that allows Travellers to gain access to their Deployment (booking) details and assigned virtual card information.

Deployments created via the CSP On Demand API will be automatically associated to Conferma Pay app User accounts.

To ensure your application supports the “Conferma Pay app Auto-connect” feature, ensure you set the Travellers corporate email domain within the *Travellers[0].Traveller.Email* attribute. This can be set during *GetCard()* or *UpdateDeployment()*.

### XML Example

```
<Travellers>
  <Traveller Salutation="Ms" Forename="Abbi" Surname="Daniels"
  Email="abbi.daniels@email.com" />
</Travellers>
```

Where supported, once a connection between Deployment and User has been made, a push notification will be sent to the Users device.

Please note: Conferma Pay app users must pre-register via <https://app.confermapay.com/>.

Contact Conferma for more information on the Conferma Pay app.

## Mobile OS Support

Please visit <https://app.confermapay.com/Versions.aspx> for more information on supported mobile platforms.

## AirPlus International UATP Switch

AirPlus International issues both UATP and MasterCard cards. Conferma have partnered with AirPlus International to automatically select the correct card scheme based on the merchant who will bill the virtual card.

The UATP Switch functionality is only available for AirPlus International card pools and where the spend category is Air.

Conferma manages a list of supporting UATP carriers. The *GetCard()* request must state 2-character validating airline carrier code in the *Supplier@ID* attribute. Where CSP finds a matching UATP supporting airline, the system will not request a MasterCard from AirPlus International’s AIDA system, instead it will immediately return the associated UATP card number.

It is important to provide an accurate *Supplier@ID* in your request as this may lead to declines with the merchant, if AirPlus International MasterCard cards are blocked.

The UATP card will have a card number, expiry date, scheme type and holder name. A UATP card number does NOT have an associated CVV code. If you request a CVV code in a *GetCard()* request, the system will not return a CVV where the *CardType* is UA.

After the merchant has confirmed a booking, it is vital that the Deployment *Supplier.Reference* field is updated with the correct booking reference/ticket number provided by the merchant. The matching process for UATP cards is purely based on the ticket number.

## Advanced Card Controls

The CSP On Demand API enables the delivery of virtual cards from many different card issuing platforms. Some partners on the Conferma Pay network offer tighter control over virtual card use, allow additional spend control to be applied.

Through the *AdvancedCardControls* property in any *GetCard()* request, it is possible to specify additional controls enabled by the connected card issuer platform.

For a full list of controls available for your banking partner, contact the Conferma Pay implementations team.

### Input

Field	Level	Max Length	Description
AdvancedCardControls	0	n/a	Optional. VCN control setting.
AdvancedCardControls[0]/CardControl@ Key	1	50	Optional. String. The Card Control key
AdvancedCardControls[0]/CardControl@ Value	1	50	Optional. String. The Card Control value

### Output

Field	Level	Description
Card/ControlAttributes/AdvancedCardControls	3	VCN control setting
Card/ControlAttributes/AdvancedCardControls[0]/CardControl@ Key	4	String. The Card Control key
Card/ControlAttributes/AdvancedCardControls[0]/CardControl@ Value	4	String. The Card Control value

### Example XML

```

<GetCard>
  <GetCardRequest Type="General" ReturnCVW="true" Version="1" >
    <General>
      <Name>Bales of Hay</Name>
      <ConsumerReference>13245654</ConsumerReference>
      <PaymentRange StartDate="2009-01-18" EndDate="2009-01-24" />
      <Amount Value="850.00" Currency="GBP" />
      <PNR Locator="ABCDEF" />
      <Platform Username="stuardavenport" />
      <Customer ID="1234ABC" Name="Big Corp" />
    </General>
    <Identifiers>
      <Identifier Key="MyCustomKey1" Value="MyCustomValue1" />
      <Identifier Key="MyCustomKey2" Value="MyCustomValue2" />
      <Identifier Key="MyCustomKey3" Value="MyCustomValue3" />
      <Identifier Key="MyCustomKey4" Value="MyCustomValue4" />
      <Identifier Key="MyCustomKey5" Value="MyCustomValue5" />
    </Identifiers>
    <AdvancedCardConotrls>
      CardControl Key="[Key]" Value=" [Value]" />
    </AdvancedCardConotrls>
  </GetCardRequest>
</GetCard>

```