

AcuWeb XML API Specification

Document details

Revision History

Version	Release Date	Author	Comments/Amends
1	8 Apr 09	Lee Tudor	Initial Version

Table of Contents

1	AcuWeb XML API.....	4
1.1	Overview.....	4
1.2	Purpose.....	4
1.3	Location.....	4
1.4	Format.....	4
2	Messages.....	5
2.1	Ping.....	5
2.1.1	<i>Request Format</i>	5
2.1.2	<i>Request Example</i>	5
2.1.3	<i>Response Format</i>	5
2.1.4	<i>Response Example</i>	6
2.1.5	<i>Configuration Options</i>	6
2.2	StaticLists.....	7
2.2.1	<i>Request Format</i>	7
2.2.2	<i>Request Example</i>	7
2.2.3	<i>Response Format</i>	7
2.2.4	<i>Response Example</i>	8
2.3	PropertyList.....	9
2.3.1	<i>Request Format</i>	9
2.3.2	<i>Request Example</i>	9
2.3.3	<i>Response Format</i>	9
2.3.4	<i>Response Example</i>	10
2.3.5	<i>Configuration Options</i>	10
2.4	Search.....	11
2.4.1	<i>Request Format</i>	11
2.4.2	<i>Request Example</i>	11
2.4.3	<i>Response Format</i>	12
2.4.4	<i>Response Example</i>	13
2.4.5	<i>Configuration Options</i>	13
2.5	Property.....	15
2.5.1	<i>Request Format</i>	15
2.5.2	<i>Request Example</i>	15
2.5.3	<i>Response Format</i>	15
2.5.4	<i>Response Example</i>	16
2.5.5	<i>Configuration Options</i>	16
2.6	Price.....	17

2.6.1	<i>Request Format</i>	17
2.6.2	<i>Request Example</i>	17
2.6.3	<i>Response Format</i>	18
2.6.4	<i>Response Example</i>	19
2.6.5	<i>Configuration Options</i>	19
2.7	Booking	21
2.7.1	<i>Request Format</i>	21
2.7.2	<i>Request Example</i>	24
2.7.3	<i>Response Format</i>	25
2.7.4	<i>Response Example</i>	25
2.7.5	<i>Configuration Options</i>	25
2.8	Brochure	27
2.8.1	<i>Request Format</i>	27
2.8.2	<i>Request Example</i>	28
2.8.3	<i>Response Format</i>	28
2.8.4	<i>Response Example</i>	28
2.8.5	<i>Configuration Options</i>	28
2.9	Recall	30
2.9.1	<i>Request Format</i>	30
2.9.2	<i>Request Example</i>	30
2.9.3	<i>Response Format</i>	30
2.9.4	<i>Response Example</i>	32
2.9.5	<i>Configuration Options</i>	33
2.10	Payment	34
2.10.1	<i>Request Format</i>	34
2.10.2	<i>Request Example</i>	35
2.10.3	<i>Response Format</i>	35
2.10.4	<i>Response Example</i>	35
2.10.5	<i>Configuration Options</i>	36

1 AcuWeb XML API

1.1 Overview

The AcuWeb XML API is a REST (http://en.wikipedia.org/wiki/Representational_State_Transfer) style interface for availability, booking and other related functions into the Accumen and Tr@veller Lite management systems from Web Applications UK. The API provides the means to expose a rich set of functions to the web and can be integrated to directly, or implemented by means of the Web Booking Engine. Specifications are available for the related Acumen FoxWS API and the Web Booking Engine.

1.2 Purpose

This document contains all the details for any party to be able to understand the operation and implement any of the messages within in the XML API. Examples of both request and response are provided for each message. This document also lists the configuration options that are available to fine tune the functionality of these messages.

1.3 Location

The XML gateway is located at <http://acuweb.webapplicationsuk.com/{VendorCode}/API/>

The configuration page is at <http://acuweb.webapplicationsuk.com/{VendorCode}/config.asp>

Vendor codes are assigned on sign-up for the web solution and refer to a single copy of the reservation system.

The interface also supports https to encrypt and secure the transmitted data, this is especially important for messages that contain credit card details or personal information.

1.4 Format

Each message comprises of 2 components, the query (compulsory) and the post data (optional).

The query contains the name of the message and provides the basic parameters, this is the URL that is used to invoke the API.

The post data can be left empty for most messages except those that post transactional data back to the database like Booking and Brochure. This is an XML document that is posted securely to the server over https.

2 Messages

2.1 Ping

The ping message is a way of checking the status of the platform with a quick end-to-end test. It also exposes some basic configuration options that are used to manage the booking process.

2.1.1 Request Format

This message takes no query parameters and no post data

2.1.2 Request Example

`/ping.aspx`

2.1.3 Response Format

Name	Data Type	Notes	Version
Online	Boolean		1
SearchLink	String	The URL for the search message.	1
FirstArrivalDate	Date	The first date available for bookings from configuration (Today+LeadTime or FirstArrivalDate)	1
LastArrivalDate	Date	The last date available for bookings from configuration	1
Defaults\		Always 1 set of defaults	
Currency	String	The base currency for any exposed costs values	1
SiteCode	String	The site code that will be used for search/property messages that contain no specific site or region	1
RegionCode	String	The region code that will be used for search/property messages that contain no specific site or region	1
PropertyType	String	The property type that will be used for search/property messages that contain no specific property type	1

2.1.4 Response Example

```
<?xml version="1.0" encoding="utf-8" ?>
<Ping>
  <Online>True</Online>
  <SearchLink>Search.aspx?Date=$Date&Nights=$Nights</SearchLink>
  <FirstArrivalDate>2009-01-01</FirstArrivalDate>
  <LastArrivalDate>2009-12-31</LastArrivalDate>
  <Defaults>
    <Currency>GBP</Currency>
    <SiteCode></SiteCode>
    <RegionCode></RegionCode>
    <PropertyType></PropertyType>
  </Defaults>
</Ping>
```

2.1.5 Configuration Options

Name	Data Type	Notes	Version
First-Arrival-Date	Date	Sets the earliest date allowed for bookings on the web	1
Last-Arrival-Date	Date	Sets the latest date allowed for bookings on the web	1
Lead-Time	Integer	Sets the minimum number of days in advance that web bookings can be made	1
Currency	String	System base currency	1
Default-SiteCode	String	The site code that will be used for search/property messages that contain no specific site or region	1
Default-RegionCode	String	The region code that will be used for search/property messages that contain no specific site or region	1
Default-UnitType	String	Sets the unit type to be used on a search when no specific value is requested	1

2.2 StaticLists

The lists message fetches the static lookup lists from the database, these are optional parameters for use in other messages. Current lists returned are:

Region Codes - *Search*

Site Codes - *Search*

Unit Types - *Search*

2.2.1 Request Format

This message takes no query parameters and no post data

2.2.2 Request Example

`/lists.aspx`

2.2.3 Response Format

Name	Data Type	Notes	Version
Regions\Region\		0 or more static regions	1
Code	String	The code for this region, can be passed into the search message	1
Name	String	The name for this region	1
Sites\Site\		0 or more static sites	1
Code	String	The code for this site, can be passed into the search message	1
Name	String	The name for this site	1
PropertyTypes\PropertyType\		0 or more static property types	1
Code	String	The code for this unit type, can be passed into the search message	1
Name	String	The name for this unit type	1

2.2.4 Response Example

```
<?xml version="1.0" encoding="utf-8" ?>
<StaticLists>
  <Regions>
    <Region>
      <Code>DOR</Code>
      <Name>Dordogne</Name>
    </Region>
    <Region>
      <Code>BRI</Code>
      <Name>Brittany</Name>
    </Region>
  </Regions>
  <Sites>
    <Site>
      <Code>WILL</Code>
      <Name>The Willows Holiday Park</Name>
    </Site>
    <Site>
      <Code>SUNN</Code>
      <Name>Sunny Resort Park</Name>
    </Site>
  </Sites>
  <PropertyTypes>
    <PropertyType>
      <Code>H</Code>
      <Name>Hire Unit</Name>
    </PropertyType>
    <PropertyType>
      <Code>P</Code>
      <Name>Pitch</Name>
    </PropertyType>
  </PropertyTypes>
</StaticLists>
```

2.3 PropertyList

The propertylist message is a basic product list that will return products and indicative prices similar to the search message but without availability checks, its main purpose is to provide product information to populate brochure or property map pages.

It takes query parameters but no post data.

2.3.1 Request Format

Name	Data Type	Mandatory	Notes	Version
RegionCode	String	Defaults from config	Optional region code filter	1
SiteCode	String	Defaults from config	Optional site code filter	1
PropertyType	String	Defaults from config	Optional unit type filter	1

2.3.2 Request Example

`/propertylist.aspx`

2.3.3 Response Format

Name	Data Type	Notes	Version
Property\		0 or more properties	1
PropertyLink	String	The URL for the Property message.	1
PropertyCode	String		1
PropertyName	String		1
Nights	Integer	Duration relating to the indicative price.	1
Price	Decimal	Indicative price in base currency (e.g. Prices from)	1
Overview	String	Short description of property	1
Attributes\Attribute\		0 or more attributes	1
Notifications\Notification\	String	0 or more notes / warning messages for bookings on this property	1
RegionCode	String	The region code for this property	1

SiteCode	String	The site code for this property	1
PropertyType	String	The associated property type	1

2.3.4 Response Example

```
<?xml version="1.0" encoding="utf-8" ?>
<PropertyList>
  <Property>
    <PropertyLink>Property.aspx?PropertyCode=LA001</PropertyLink>
    <PropertyCode>LA001</PropertyCode>
    <PropertyName>Edgehill</PropertyName>
    <Nights>7</Nights>
    <Price currency="GBP">299.00</Price>
    <Overview>This is a small cottage blah blah blah</Overview>
    <Attributes>
      <Attribute>Garden</Attribute>
    </Attributes>
    <RegionCode>BRI</RegionCode>
    <SiteCode>WILL</SiteCode>
    <PropertyType>H</PropertyType>
  </Property>
  <Property>
    <PropertyLink>Property.aspx?PropertyCode=BN001</PropertyLink>
    <PropertyCode>BN001</PropertyCode>
    <PropertyName>Abbot's Retreat</PropertyName>
    <Nights>7</Nights>
    <Price currency="GBP">339.00</Price>
    <Overview>This is a small cottage blah blah blah</Overview>
    <Attributes>
      <Attribute>Pool</Attribute>
    </Attributes>
    <Notifications>
      <Notification>Please note that the pool is closed for maintenance</Notification>
    </Notifications>
    <RegionCode>BRI</RegionCode>
    <SiteCode>WILL</SiteCode>
    <PropertyType>H</PropertyType>
  </Property>
</PropertyList>
```

2.3.5 Configuration Options

Name	Data Type	Notes	Version
Default-SiteCode	String	The site code that will be used for search/property messages that contain no specific site or region	1
Default-RegionCode	String	The region code that will be used for search/property messages that contain no specific site or region	1
Default-UnitType	String	Sets the unit type to be used on a search when no specific value is requested	1
Currency	String	System base currency	1

2.4 Search

The search message is the basic date driven availability search which provides combined availability and pricing data. It provides a varying length list of matching records and allows for a display of alternatives if availability is close to the dates requested.

It will only return results where the holiday lies completely within the dates visible in the ping response.

It takes query parameters but no post data.

2.4.1 Request Format

Name	Data Type	Mandatory	Notes	Version
Date	Date	Defaults from config (Today+LeadTime or FirstArrivalDate)	The requested arrival date	1
FirstDate	Date	Defaults from config	Date window for alternatives	1
LastDate	Date	Defaults from config	Date window for alternatives	1
Nights	Integer	Defaults from config	The requested duration	1
FirstNights	Integer	Defaults from config	Duration window for alternatives	1
LastNights	Integer	Defaults from config	Duration window for alternatives	1
Ages	String		Comma seperated list of estimated/actual party ages.	1
Pets	Boolean		If specified will limit results to those with this pet policy	1
RegionCode	String	Defaults from config	Optional region code filter	1
SiteCode	String	Defaults from config	Optional site code filter	1
PropertyType	String	Defaults from config	Optional property type filter	1

2.4.2 Request Example

`/search.aspx?date=2009-06-01&nights=7&ages=30,30`

2.4.3 Response Format

Name	Data Type	Notes	Version
Stay\		0 or more available stays	1
PricingLink	String	The URL for the Price message.	1
PropertyLink	String	The URL for the Property message.	1
PropertyCode	String		1
PropertyName	String		1
Date	Date	Arrival date	1
Nights	Integer	Duration	1
Price	Decimal	Price in base currency	1
Availability	Character	A = Available U = Unavailable C = Call to Book R = on Request	1
Overview	String	Short description of property	1
Attributes\Attribute\		0 or more attributes	1
Notifications\Notification\	String	0 or more notes / warning messages for bookings on this property	1
RegionCode	String	The region code for this property	1
SiteCode	String	The site code for this property	1
PropertyType	String	The associated property type	1

2.4.4 Response Example

```
<?xml version="1.0" encoding="utf-8" ?>
<Search>
  <Stay>
    <PricingLink>Extras.aspx?PropertyCode=LA001&Date=2009-06-01&Nights=7</PricingLink>
    <PropertyLink>Property.aspx?PropertyCode=LA001</PropertyLink>
    <PropertyCode>LA001</PropertyCode>
    <PropertyName>Edgehill</PropertyName>
    <Date>2009-06-01</Date>
    <Nights>7</Nights>
    <Price currency="GBP">299.00</Price>
    <Availability>A</Availability>
    <Overview>This is a small cottage blah blah blah</Overview>
    <Attributes>
      <Attribute>Garden</Attribute>
    </Attributes>
    <RegionCode>BRI</RegionCode>
    <SiteCode>WILL</SiteCode>
    <PropertyType>H</PropertyType>
  </Stay>
  <Stay>
    <PricingLink>Extras.aspx?PropertyCode=BN001&Date=2009-06-01&Nights=7</PricingLink>
    <PropertyLink>Property.aspx?PropertyCode=BN001</PropertyLink>
    <PropertyCode>BN001</PropertyCode>
    <PropertyName>Abbot's Retreat</PropertyName>
    <Date>2009-06-01</Date>
    <Nights>7</Nights>
    <Price currency="GBP">339.00</Price>
    <Availability>A</Availability>
    <Overview>This is a small cottage blah blah blah</Overview>
    <Attributes>
      <Attribute>Pool</Attribute>
    </Attributes>
    <Notifications>
      <Notification>Please note that the pool is closed for maintenance</Notification>
    </Notifications>
    <RegionCode>BRI</RegionCode>
    <SiteCode>WILL</SiteCode>
    <PropertyType>H</PropertyType>
  </Stay>
</Search>
```

2.4.5 Configuration Options

Name	Data Type	Notes	Version
First-Arrival-Date	Date	Sets the earliest date allowed for bookings on the web	1
Last-Arrival-Date	Date	Sets the latest date allowed for bookings on the web	1
Lead-Time	Integer	Sets the minimum number of days in advance that web bookings can be made	1
Date-Flex	Integer	Sets the default date window for alternatives when no specifics are requested	1

Nights-Flex	Integer	Sets the default duration window for alternatives when no specifics are requested	1
Default-Nights	Integer	Sets the default number of nights for a search when no specific value is requested	1
Default-SiteCode	String	The site code that will be used for search/property messages that contain no specific site or region	1
Default-RegionCode	String	The region code that will be used for search/property messages that contain no specific site or region	1
Default-PropertyType	String	Sets the unit type to be used on a search when no specific value is requested	1
Currency	String	Acuweb base currency	1

2.5 Property

The property message returns basic property details from a given property code and a list of available start dates and and duration restrictions for booked online. The result takes into account the current availability picture as well as the arrival rules on this property.

It takes query parameters but no post data.

2.5.1 Request Format

Name	Data Type	Mandatory	Notes	Version
Code	String	Yes	The property code	1

2.5.2 Request Example

```
/property.aspx?code=BN001
```

2.5.3 Response Format

Name	Data Type	Notes	Version
BookingLink	String	The URL for the Booking message	1
PropertyCode	String		1
PropertyName	String		1
Overview	String	Short description of property	1
Attributes	Collection	Attribute list	1
Notification	String	List of notes or warning messages for bookings on this property	1
RegionCode	String	The region code for this property	1
SiteCode	String	The site code for this property	1
PropertyType	String	The associated property type	1
StartDates\Startdate\		0 or more available startdates	1
@Date	Date	The available start date for a booking	1
@Nights	String	If present, this represents the full list of available and valid durations for bookings starting on this date.	1

@MinNights	Integer	If present, this is the minimum number of nights for available holidays starting on this date	1
@MaxNights	Integer	If present, this is the maximum number of nights for available holidays starting on this date	1

2.5.4 Response Example

```
<?xml version="1.0" encoding="utf-8" ?>
<Property>
<BookingLink>Extras.aspx?PropertyCode=BN001&Date=$Date&Nights=$Nights</BookingLink>
  <PropertyCode>BN001</PropertyCode>
  <PropertyName>Abbot's Retreat</PropertyName>
  <Overview>This is a small cottage blah blah blah</Overview>
  <Attributes>
    <Attribute>Garden</Attribute>
  </Attributes>
  <Notifications>
    <Notification>Please note that the pool is closed for maintenance</Notification>
  </Notifications>
  <RegionCode>BRI</RegionCode>
  <SiteCode>WILL</SiteCode>
  <PropertyType>H</PropertyType>
  <StartDates>
    <StartDate Date="2009-06-01" Nights="3,7,10,14" />
    <StartDate Date="2009-06-07" Nights="3,7,10,14" />
    <StartDate Date="2009-06-14" Nights="3,7,10,14" />
    <StartDate Date="2009-06-21" Nights="3,7,10,14" />
    <StartDate Date="2009-06-28" Nights="3,7,10,14" />
    <StartDate Date="2009-07-01" MinNights="3" MaxNights="28" />
  </StartDates>
</Property>
```

2.5.5 Configuration Options

Name	Data Type	Notes	Version
First-Arrival-Date	Date	Sets the earliest date allowed for bookings on the web	1
Last-Arrival-Date	Date	Sets the latest date allowed for bookings on the web	1
Lead-Time	Integer	Sets the minimum number of days in advance that web bookings can be made	1

2.6 Price

The price message gives full pricing details from a unit code and contains all the data needed to create a booking message. It also contains an availability flag to indicate the current availability of this product.

It can be called in 2 modes, either with no post data that will return the base price (plus any compulsory extras) and a list of all available extras, or with a set of extras as post data that will contain the full booking cost as well as the list of extras.

2.6.1 Request Format

Name	Data Type	Mandatory	Notes	Version
Code	String	Yes	The property code	1
Date	Date	Yes	The requested arrival date	1
Nights	Integer	Yes	The requested duration	1
Ages	String		Comma seperated list of estimated/actual party ages.	1
Extras\Extra\			0 or more optional extras to price into the booking	1
Code	String	For each extra	The extra code	1
Quantity	Integer	For each extra	The extra quantity	1

2.6.2 Request Example

/price.aspx?code=BN001&date=2009-06-01&nights=7&ages=30,30

```
<?xml version="1.0" encoding="utf-8" ?>
<Price>
  <Extras>
    <Extra>
      <Code>HIGHC</Code>
      <Quantity>1</Quantity>
    </Extra>
    <Extra>
      <Code>COT</Code>
      <Quantity>1</Quantity>
    </Extra>
  </Extras>
</Price>
```

2.6.3 Response Format

Name	Data Type	Notes	Version
BookingLink	String	The URL for the Booking message	1
PropertyLink	String	The URL for the Property message	1
PropertyCode	String		1
PropertyName	String		1
Date	Date	Arrival date	1
Nights	Integer	Duration	1
Price	Decimal	Hire price in base currency	1
Total	Decimal	Total price in base currency	1
Deposit	Decimal	Initial payment required to confirm the booking	1
CCPercent	Decimal	Fee if paying by credit card (as opposed to debit card)	1
OfflinePayment	Boolean	Specifies if provisional bookings are allowed to be taken without an online card payment	1
AcceptedCards	String	Comma separated list of the card types that can be used for online payments	1
BalanceDue	Date	Date on which the balance payment is due	1
Availability	Character	A = Available U = Unavailable C = Call to Book R = on Request	1
Extras\Extra\		0 or more related extras	
Code	String	The code for this extra	1
Name	String	The name for this extra	1
MaxQuantity	Integer	The maximum number of this extra that can be requested	1
Compulsory	Integer	The number of extras of this type that are compulsory on the booking	1
Quantity	Integer	The number of these extras that are currently costed into the total price. (from post data and compulsory flag)	1
Price	Decimal	Price per extra in base currency	1

2.6.4 Response Example

```
<?xml version="1.0" encoding="utf-8" ?>
<Price>
  <BookingLink>Booking.aspx?PropertyCode=BN001&Date=2009-06-01&Nights=7</BookingLink>
  <PropertyLink>Property.aspx?PropertyCode=BN001</PropertyLink>
  <PropertyCode>BN001</PropertyCode>
  <PropertyName>Abbot's Retreat</PropertyName>
  <Date>2009-06-01</Date>
  <Nights>7</Nights>
  <Price currency="GBP">339.00</Price>
  <Total currency="GBP">396.00</Total>
  <Deposit currency="GBP">60.00</Deposit>
  <CCPercent>1.95</CCPercent>
  <OfflinePayment>True</OfflinePayment>
  <AcceptedCards>MASTERCARD,VISA,MAESTRO</AcceptedCards>
  <BalanceDueDate>2009-05-01</BalanceDueDate>
  <Availability>A</Availability>
  <Extras>
    <Extra>
      <Code>PET</Code>
      <Name>Pet</Name>
      <MaxQuantity>1</MaxQuantity>
      <Compulsory>0</Compulsory>
      <Quantity>0</Quantity>
      <Price currency="GBP">15.00</Price>
    </Extra>
    <Extra>
      <Code>HIGHC</Code>
      <Name>High Chair</Name>
      <MaxQuantity>2</MaxQuantity>
      <Compulsory>0</Compulsory>
      <Quantity>1</Quantity>
      <Price currency="GBP">12.00</Price>
    </Extra>
    <Extra>
      <Code>COT</Code>
      <Name>Baby Cot</Name>
      <MaxQuantity>1</MaxQuantity>
      <Compulsory>0</Compulsory>
      <Quantity>1</Quantity>
      <Price currency="GBP">20.00</Price>
    </Extra>
    <Extra>
      <Code>FEE</Code>
      <Name>Booking Fee</Name>
      <MaxQuantity>1</MaxQuantity>
      <Compulsory>1</Compulsory>
      <Quantity>1</Quantity>
      <Price currency="GBP">25.00</Price>
    </Extra>
  </Extras>
</Price>
```

2.6.5 Configuration Options

Name	Data Type	Notes	Version
Currency	String	System base currency	1

Accepted-Cards	String	List of currently accepted card types	1
Offline-Payment	Boolean	If provisional bookings are accepted with no credit card authorisation.	1
CreditCard-Fee	Decimal	The percentage credit card fee for web bookings	1

2.7 Booking

The booking message creates reservation in the back office system, it has the capability to perform online authorisation of credit cards and contains personal information so should be invoked over https. It will send a confirmation email to the customer email address and optionally to the configured notification email address on completion.

It must contain a customer mailing block, a list of at least one passenger, an optional list of extras and a credit card payment block unless the price message indicated that provisional bookings can be taken with no payment.

It uses a post data block to contain and encrypt the information related to the booking.

2.7.1 Request Format

Name	Data Type	Mandatory	Notes	Version
Code	String	Yes	The property code	1
Date	Date	Yes	The requested arrival date	1
Nights	Integer	Yes	The requested duration	1
Customer\		Yes	Customer mailing details	1
Title	String	Yes	The title for this customer	1
Forename	String		The forename for this customer	1
Surname	String	Yes	The surname for this customer	1
Age	Integer	Age or DOB must be provided	The age for this customer	1
DOB	Date	Age or DOB must be provided	The customer's date of birth	1
Address1	String	Yes	First line of the customers address (e.g. property name)	1
Address2	String		Second line of the customers address (e.g. street name)	1
Address3	String		Third line of the customers address (e.g. area name)	1
City	String	Yes	Customer's address city	1
County	String		Customer's address county	1

Country	String		Customer's address country ISO code	1
Postcode	String	Yes	Customer's address postcode	1
Phone	String		Customer's contact phone number	1
Mobile	String		Customer's mobile phone number	1
Email	String		Customer's email address	1
Offers	Boolean		Opt-in flag for offers	1
Source	String		Source code	1
CarRegistration	String		Car registration plate number	1
Extras\Extra\			0 or more optional extras to include on the booking	1
Code	String	For each extra	The extra code	1
Quantity	Integer	For each extra	The extra quantity	1
Passengers\Passenger\		Yes	1 or more passengers in the party	1
Title	String	Yes	The title for this passenger	1
Forename	String		The forename for this passenger	1
Surname	String	Yes	The surname for this passenger	1
Age	Integer	Age or DOB must be provided	The age for this passenger	1
DOB	Date	Age or DOB must be provided	The customer's date of birth	1
Payment\			Payment card details for online payment	1
CardType	String	If a payment block is present	The card type from the available list in the price message	1
CardNumber	String	If a payment block is present	The card number with no spaces	1
CardHolder	String	If a payment block is present	The billing name as it is printed on the payment card	1
CV2	String	If a payment block is present	The security code on the back of the payment card including zero prefixes	1
Expiry	String	If a payment block is present	The expiry date in the format MMYYY	1

Valid	String		The valid from or issue date (if present) in the format MMY	1
Issue	String		The issue number (if present) including zero prefixes	1
Amount	Decimal	Defaults to OR Must be at least the deposit in the price message.	The amount to pay as a deposit on the booking (credit cards will have the payment fee specified in the price message added to this value)	1
Postcode	String		The card billing address postcode	1

2.7.2 Request Example

/booking.aspx?code=BN001&date=2009-06-01&nights=7

```
<?xml version="1.0" encoding="utf-8" ?>
<Booking>
  <Customer>
    <Title>Mr</Title>
    <Forename>Lee</Forename>
    <Surname>Tudor</Surname>
    <DOB>1975-06-01</DOB>
    <Age>33</Age>
    <Address1>Some Property</Address1>
    <Address2>Some Street</Address2>
    <Address3>Some Area</Address3>
    <City>Some Town</City>
    <County>Some County</County>
    <Country>gb</Country>
    <Postcode>OL2 1XG</Postcode>
    <Phone>01234567890</Phone>
    <Mobile>01234567890</Mobile>
    <Email>lee.tudor@hotmail.com</Email>
    <Offers>True</Offers>
  </Customer>
  <Extras>
    <Extra>
      <Code>COT</Code>
      <Qty>1</Qty>
    </Extra>
    <Extra>
      <Code>HIGHC</Code>
      <Qty>1</Qty>
    </Extra>
  </Extras>
  <Passengers>
    <Passenger>
      <Title>Mr</Title>
      <Forename>Lee</Forename>
      <Surname>Tudor</Surname>
      <DOB>1975-06-01</DOB>
      <Age>33</Age>
    </Passenger>
    <Passenger>
      <Title>Mrs</Title>
      <Forename>K</Forename>
      <Surname>Tudor</Surname>
      <DOB>1975-06-01</DOB>
      <Age>33</Age>
    </Passenger>
  </Passengers>
  <Payment>
    <CardType>MC</CardType>
    <CardNumber>4111111111111111</CardNumber>
    <CardHolder>Mr L Tudor</CardHolder>
    <CV2>012</CV2>
    <Expiry>0109</Expiry>
    <Valid>0106</Valid>
    <Issue>01</Issue>
    <Amount>60.00</Amount>
  </Payment>
</Booking>
```

2.7.3 Response Format

Name	Data Type	Notes	Version
CustomerRef	String	The URL for the Booking message	1
BookingRef	String	The URL for the Property message	1
Value	Decimal	Total value of the booking	1
Payment	Decimal	Total authorised payment	1
AuthCode	String	The online bank authorisation code	1
Balance	Decimal	The balance remaining to pay on the booking	1
Confirmation	String	The text body of the confirmation email	1

2.7.4 Response Example

```
<?xml version="1.0" encoding="utf-8" ?>
<Booking>
  <CustomerRef>TUD012</CustomerRef>
  <BookingRef>12345</BookingRef>
  <Value>396.00</Value>
  <Payment>60.00</Payment>
  <AuthCode>01237</AuthCode>
  <Balance>336.00</Balance>
  <Confirmation> blah blah blah blah - full confirmation email text will be here </Confirmation>
</Booking>
```

2.7.5 Configuration Options

Name	Data Type	Notes	Version
Currency	String	Acuweb base currency	1
Booking-Confirmation	String	Confirmation email template	1
Notification-Email	String	Internal email address to cc confirmation	1
Booking-Notification	String	Email notification mode Email-Only = Just email, don't book into system Email-Always = Always email Email-Failure = Only email if system error occurs	1
Offline-Payment	Boolean	If provisional bookings are accepted with no credit card authorisation.	1

Accepted-Cards	String	List of payment card types that can be accepted	1
CreditCard-Fee	Decimal	The percentage credit card fee for web bookings	1
Payment-Gateway	String	The payment gateway for online card authorisation, currently only 'Protx' is supported	1
Protx-Vendor	String	The Protx account code to be used when the payment gateway is 'Protx', this code is supplied by protx. Live: {vendorcode};live Text: {vendorcode};test Simulator: {vendorcode};simulator	1
Preauth-Only	Boolean	Will force all online authorisations to be pre-auth, which is just a card check without actual collection. Normally this is just used for 'R' = Request availability items.	1

2.8 Brochure

The brochure message creates or deduplicates a customer record in the back office system and flags this for brochure dispatch. As it contains personal information it should be invoked over https.

It contains a similar set of data to the customer block in the booking message

It uses a post data block to contain and encrypt the information.

2.8.1 Request Format

Name	Data Type	Mandatory	Notes	Version
Customer\		Yes	Customer mailing details	1
Title	String	Yes	The title for this customer	1
Forename	String		The forename for this customer	1
Surname	String	Yes	The surname for this customer	1
Age	Integer		The age for this customer	1
DOB	Date		The customer's date of birth	1
Address1	String	Yes	First line of the customers address (e.g. property name)	1
Address2	String		Second line of the customers address (e.g. street name)	1
Address3	String		Third line of the customers address (e.g. area name)	1
City	String	Yes	Customer's address city	1
County	String		Customer's address county	1
Country	String		Customer's address country ISO code	1
Postcode	String	Yes	Customer's address postcode	1
Phone	String		Customer's contact phone number	1
Mobile	String		Customer's mobile phone number	1
Email	String		Customer's email address	1
Offers	Boolean		Opt-in flag for sales offers	1
Source	String		Source code	1

2.8.2 Request Format

/brochure.aspx

```
<?xml version="1.0" encoding="utf-8" ?>
<Brochure>
  <Customer>
    <Title>Mr</Title>
    <Forename>Lee</Forename>
    <Surname>Tudor</Surname>
    <DOB>1975-06-01</DOB>
    <Age>33</Age>
    <Address1>Some Property</Address1>
    <Address2>Some Street</Address2>
    <Address3>Some Area</Address3>
    <City>Some Town</City>
    <Country>Some County</Country>
    <Country>gb</Country>
    <Postcode>OL2 1XG</Postcode>
    <Phone>01234567890</Phone>
    <Mobile>01234567890</Mobile>
    <Email>lee.tudor@hotmail.com</Email>
    <Offers>True</Offers>
  </Customer>
</Brochure>
```

2.8.3 Response Format

Name	Data Type	Notes	Version
CustomerRef	String	The URL for the Booking message	1

2.8.4 Response Example

```
<?xml version="1.0" encoding="utf-8" ?>
<Brochure>
  <CustomerRef>13012</CustomerRef>
</Brochure>
```

2.8.5 Configuration Options

Name	Data Type	Notes	Version
Currency	String	Acuweb base currency	1
Brochure-Confirmation	String	Confirmation email template	1
Notification-Email	String	Internal email address to cc confirmation	1

Brochure-Notification	String	Email notification mode Email-Only = Just email, don't book into system Email-Always = Always email Email-Failure = Only email if system error occurs	1
-----------------------	--------	--	---

2.9 Recall

The recall message allows you to pull back details of an existing booking

It uses a post data block to contain and encrypt the information.

2.9.1 Request Format

Name	Data Type	Mandatory	Notes	Version
BookingRef	String	Yes	The reference for the booking to recall	1
CustomerRef	String	Yes	The customer reference for the booking as a double check	1

2.9.2 Request Example

/recall.aspx

```
<?xml version="1.0" encoding="utf-8" ?>
<Recall>
  <BookingRef>12345</BookingRef>
  <CustomerRef>TUD012</CustomerRef>
</Recall>
```

2.9.3 Response Format

Name	Data Type	Notes	Version
Customer\		Always 1 customer node	1
Ref	String	The customer reference code	1
Title	String	The title for this customer	1
Forename	String	The forename for this customer	1
Surname	String	The surname for this customer	1
Age	Integer	The age for this customer	1
DOB	Date	The customer's date of birth	1
Address1	String	First line of the customers address (e.g. property name)	1

Address2	String	Second line of the customers address (e.g. street name)	1
Address3	String	Third line of the customers address (e.g. area name)	1
City	String	Customer's address city	1
County	String	Customer's address county	1
Country	String	Customer's address country ISO code	1
Postcode	String	Customer's address postcode	1
Phone	String	Customer's contact phone number	1
Mobile	String	Customer's mobile phone number	1
Booking\		Always 1 booking node	1
Ref	String	The booking reference code	1
PropertyCode	String	The booking property code	1
PropertyName	String	The booking property name	1
Date	Date	Arrival date	1
Nights	Integer	Duration	1
Total	Decimal	Total price in base currency	1
Balance	Decimal	Balance value in base currency	1
CCPercent	Decimal	Fee if paying by credit card (as opposed to debit card)	1
AcceptedCards	String	Comma seperated list of the card types that can be used for online payments	1
BalanceDue	Date	Date on which the balance payment is due	1
Extras\Extra\		0 or more extras on the booking	1
Code	String	The code for this extra	1
Name	String	The name for this extra	1
Quantity	Integer	The number of these extras that are currently costed into the total price. (from post data and compulsory flag)	1
Price	Decimal	Price per extra in base currency	1

2.9.4 Response Example

```

<?xml version="1.0" encoding="utf-8" ?>
<Recall>
  <Customer>
    <Ref>TUD012</Ref>
    <Title>Mr</Title>
    <Forename>Lee</Forename>
    <Surname>Tudor</Surname>
    <DOB>1975-06-01</DOB>
    <Age>33</Age>
    <Address1>Some Property</Address1>
    <Address2>Some Street</Address2>
    <Address3>Some Area</Address3>
    <City>Some Town</City>
    <County>Some County</County>
    <Country>gb</Country>
    <Postcode>OL2 1XG</Postcode>
    <Phone>01234567890</Phone>
    <Mobile>01234567890</Mobile>
    <Email>lee.tudor@hotmail.com</Email>
  </Customer>
  <Booking>
    <Ref>12345</Ref>
    <PropertyCode>BN001</PropertyCode>
    <PropertyName>Abbot's Retreat</PropertyName>
    <Date>2009-06-01</Date>
    <Nights>7</Nights>
    <Total currency="GBP">396.00</Total>
    <Balance currency="GBP">336.00</Deposit>
    <CCPercent>1.95</CCPercent>
    <AcceptedCards>MASTERCARD, VISA, MAESTRO</AcceptedCards>
    <BalanceDueDate>2009-05-01</BalanceDueDate>
  </Booking>
  <Extras>
    <Extra>
      <Code>HIGHC</Code>
      <Name>High Chair</Name>
      <Quantity>1</Quantity>
      <Price currency="GBP">12.00</Price>
    </Extra>
    <Extra>
      <Code>FEE</Code>
      <Name>Booking Fee</Name>
      <Quantity>1</Quantity>
      <Price currency="GBP">25.00</Price>
    </Extra>
  </Extras>
  <Passengers>
    <Passenger>
      <Title>Mr</Title>
      <Forename>Lee</Forename>
      <Surname>Tudor</Surname>
      <DOB>1975-06-01</DOB>
      <Age>33</Age>
    </Passenger>
    <Passenger>
      <Title>Mrs</Title>
      <Forename>K</Forename>
      <Surname>Tudor</Surname>
      <DOB>1975-06-01</DOB>
      <Age>33</Age>
    </Passenger>
  </Passengers>
</Recall>

```

2.9.5 Configuration Options

Name	Data Type	Notes	Version
Currency	String	System base currency	1
Accepted-Cards	String	List of currently accepted card types	1
CreditCard-Fee	Decimal	The percentage credit card fee for web bookings	1

2.10 Payment

The payment message enables customers to enter a card balance payment on an existing booking. It performs online authorisation of credit cards and contains personal information so should be invoked over https. It will send a confirmation email to the customer email address and optionally to the configured notification email address on completion.

It uses a post data block to contain and encrypt the information related to the payment.

2.10.1 Request Format

Name	Data Type	Mandatory	Notes	Version
BookingRef	String	Yes	The booking reference number	1
CardNumber	String	If a payment block is present	The card number with no spaces	1
CardHolder	String	If a payment block is present	The billing name as it is printed on the payment card	1
CV2	String	If a payment block is present	The security code on the back of the payment card including zero prefixes	1
Expiry	String	If a payment block is present	The expiry date in the format MMY	1
Valid	String		The valid from or issue date (if present) in the format MMY	1
Issue	String		The issue number (if present) including zero prefixes	1
Amount	Decimal	Defaults to OR Must be at least the deposit in the price message.	The amount to pay as a deposit on the booking (credit cards will have the payment fee specified in the price message added to this value)	1
Postcode	String		The card billing address postcode	1

2.10.2 Request Example

/payment.aspx

```
<?xml version="1.0" encoding="utf-8" ?>
<Payment>
  <BookingRef>12345</BookingRef>
  <CardType>MC</CardType>
  <CardNumber>4111111111111111</CardNumber>
  <CardHolder>Mr L Tudor</CardHolder>
  <CV2>012</CV2>
  <Expiry>0109</Expiry>
  <Valid>0106</Valid>
  <Issue>01</Issue>
  <Amount>60.00</Amount>
</Payment>
```

2.10.3 Response Format

Name	Data Type	Notes	Version
CustomerRef	String	The URL for the Booking message	1
BookingRef	String	The URL for the Property message	1
Value	Decimal	Total value of the booking	1
Payment	Decimal	Total authorised payment	1
AuthCode	String	The online bank authorisation code	1
Balance	Decimal	The balance remaining to pay on the booking	1

2.10.4 Response Example

```
<?xml version="1.0" encoding="utf-8" ?>
<Booking>
  <BookingRef>12345</BookingRef>
  <Value>396.00</Value>
  <Payment>336.00</Payment>
  <AuthCode>01237</AuthCode>
  <Balance>0.00</Balance>
</Booking>
```

2.10.5 Configuration Options

Name	Data Type	Notes	Version
Currency	String	Acuweb base currency	1
Booking-Confirmation	String	Confirmation email template	1
Notification-Email	String	Internal email address to cc confirmation	
Booking-Notification	String	Email notification mode Email-Only = Just email, don't book into system Email-Always = Always email Email-Failure = Only email if system error occurs	1
Offline-Payment	Boolean	If provisional bookings are accepted with no credit card authorisation.	1
Accepted-Cards	String	List of payment card types that can be accepted	1
CreditCard-Fee	Decimal	The percentage credit card fee for web bookings	1
Payment-Gateway	String	The payment gateway for online card authorisation, currently only 'Protx' is supported	1
Protx-Vendor	String	The Protx account code to be used when the payment gateway is 'Protx', this code is supplied by protx. Live: {vendorcode};live Test: {vendorcode};test Simulator: {vendorcode};simulator	1
Preauth-Only	Boolean	Will force all online authorisations to be pre-auth, which is just a card check without actual collection. Normally this is just used for 'R' = Request availability items.	1