



SMARTCIRCUIT™

Service Integration Guide

TABLE OF CONTENTS

1	Project Purpose	4
2	SmartCircuit Process Flows.....	5
3	Assumptions and Dependancies	8
4	SmartCircuit Access and Integration.....	9
4.1	Static Inclusion	9
4.2	Dynamic Inclusion	10
4.3	Single Page Architecture.....	10
4.4	Browser Support	11
4.5	Residency of the Insured	11
5	SmartCircuit HTML Elements	12
5.1	Log level.....	12
5.2	Price verification.....	12
5.3	Tokens	13
5.4	Type	13
6	SmartCircuit Event Types	14
7	Event Listening	15
7.1	azpComponentReady	15
7.2	azpInsuranceSelected and azpInsuranceDeclined	15
7.3	azpLoadingDefaultOffer	16
7.4	azpPurchaseResponse	16
7.5	azpNoteDeclineResponse.....	16
7.6	azpFatalError	16
8	Event Sending	17
8.1	azpQuoteRequest	17
8.2	azpPurchaseRequest.....	17
8.3	azpNoteDeclineRequest	17
9	Event Examples.....	19
9.1	Quote Request Example for Travel Products (JSON).....	20

TABLE OF CONTENTS

9.2 Purchase Request Example for Travel Products (JSON)..... 23

Appendix A Quote Request Data Dictionary..... 26

Appendix B Purchase Request Data Dictionary 39

Appendix C Purchase Response Data Dictionary..... 54

Appendix D Quote Response Status Messages 56

Appendix E Purchase Response Status Messages..... 57

1 Project Purpose

The purpose of this document is to describe the partner integration of insurance offers into the travel booking path. A typical integration for insurance consists of several parts, including the following:

- Quote Request/Response
- Note Decline Request/Response
- Purchase Request/Response

Allianz Partners (AzP) will collaborate with the partner to implement a web-component-based integration model, SmartCircuit™. This will allow the partner to use client-side scripting languages to send event information to SmartCircuit to provide an insurance offer. SmartCircuit will pass key values from the quote request/response and provide an HTML offer back to the partner. The partner will send an event, including relevant payment information, to SmartCircuit if the customer chooses to purchase insurance, and AzP will process the purchase and set up an insurance policy for the customer.

This document contains all the information needed to integrate with SmartCircuit, including code examples for quote, purchase, and page integration.

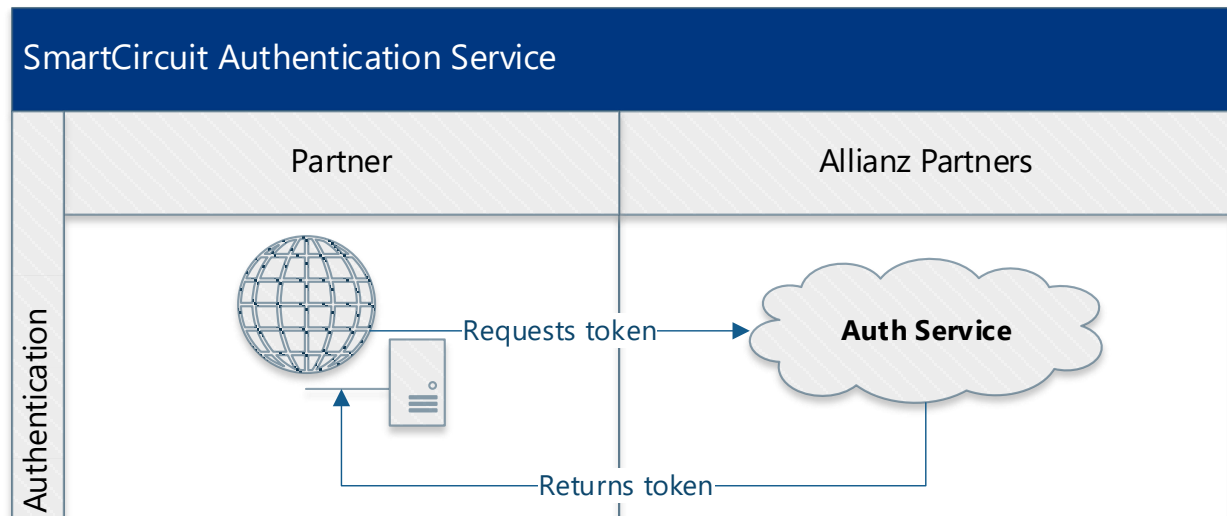
2 SmartCircuit Process Flows

The following section describes the SmartCircuit process flows for authentication and event interaction for insurance quotes and purchases.

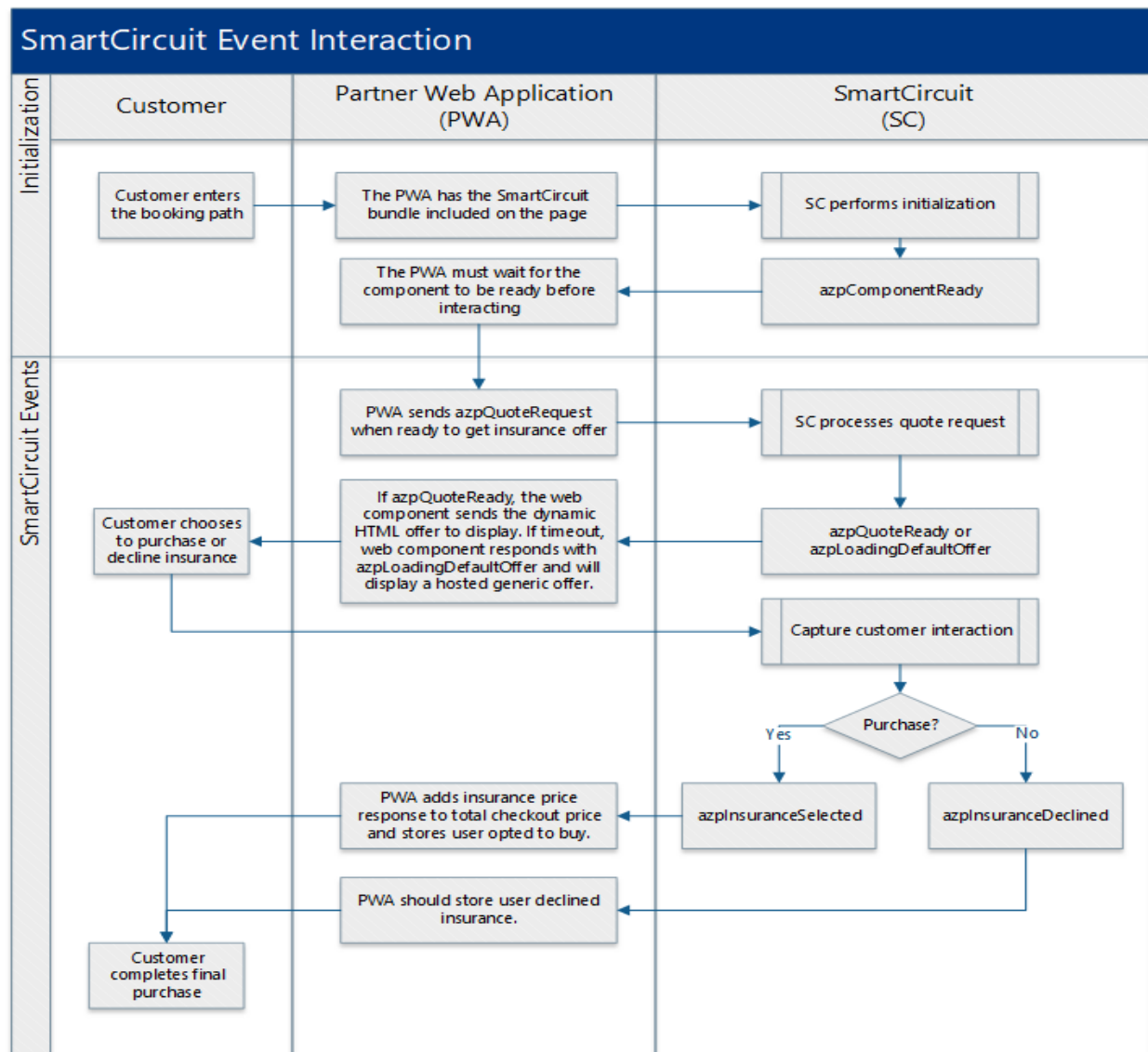
Partners will access SmartCircuit with a token (access and refresh) obtained from Allianz Partners' authentication service.

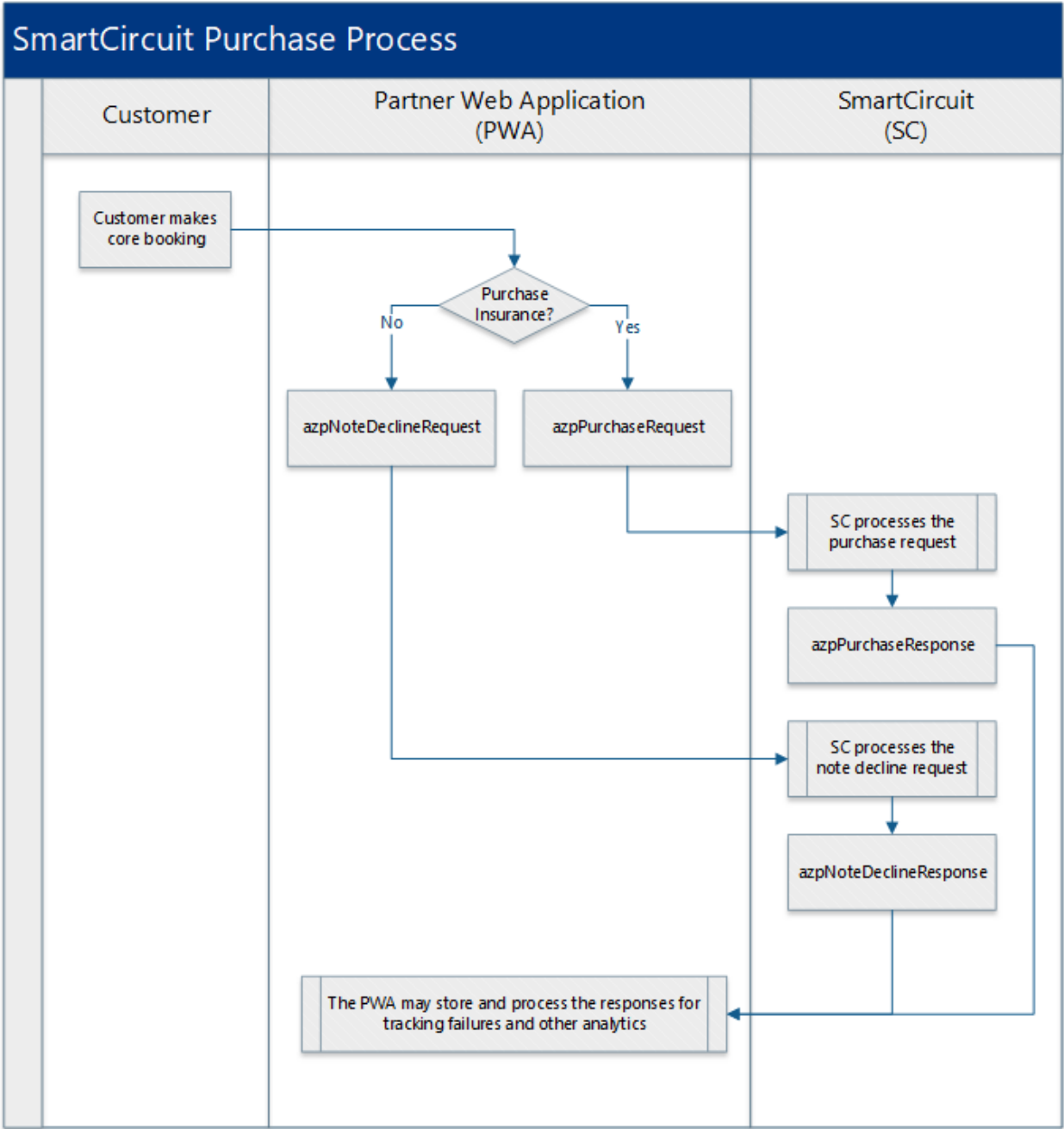
The refresh token, valid for 24 hours, can be used to request a new access token, which is valid for 1 hour.

The Partner Web Application will then include the access token in its HTML code during initialization.



The following flows illustrate the event interaction for quote and purchase processes.





3 Assumptions and Dependencies

- The partner will provide credit card information.
- Allianz Partners (AzP) is merchant of record for insurance purchases.
- The partner will display AzP's full HTML offer in the agreed-upon page placement.
- The partner will use the element values and format outlined in this document to communicate with SmartCircuit to ensure the success of the implementation.
- SmartCircuit will be hosted by AzP.
- The partner will utilize the provided events to update the shopping cart with insurance cost and to notify AzP of an insurance or core booking purchase, resulting in a purchase request or note decline event as needed. Examples of these calls and events are found in this document.
- If changes to fields or standard values are planned, AzP will be notified of changes prior to implementation.
- If SmartCircuit is unable to respond in a timely manner with an optimized insurance offer request, SmartCircuit will render a default offer.
- There will be two versions of SmartCircuit, distinguishable by file name, with one for UAT and one for production. Any changes to these will be versioned as new bundles and introduced to each environment.
- In order to have a successful implementation, AzP and the partner will work concurrently and collaboratively to test the integration of SmartCircuit. This has historically been best accomplished by allowing AzP access to the partners test site.

4 SmartCircuit Access and Integration

The SmartCircuit bundle will be hosted by Allianz Partners on AWS (Amazon Web Services) CDN (Content Delivery Network).

There are two methods to integrate SmartCircuit: static and dynamic. Generally, a static inclusion is sufficient because the size of the SmartCircuit bundle is small enough to not affect performance of the page. However, if the partner feels that SmartCircuit should only load when the page flow requires, a dynamic inclusion can also be used. The two methods are illustrated below.

4.1 Static Inclusion

For static inclusion, the component should be statically referenced in the header of each page where a specific action (e.g. Quote and Purchase) will occur.

To statically include AzP's SmartCircuit, use the following format:

```
<html>
  <head>
    ...
    <script src="https://sc-
uat.allianzpartnergateway.com/wci/bundles/default/allianzinsurance-uat-
default.js"></script>
  </head>
  <body>
    ...
    <allianz-insurance "accam"="code" "allow-price-validation" = "true |
false" "access-token"="accessToken" "type"="TRAVEL | EVENT" "log-
level"= "debug | info | warn | error"></allianz-insurance>
    ...
  </body>
</html>
```

4.2 Dynamic Inclusion

Dynamic inclusion injects the component into the page header when needed for a specific action (e.g.: Quote & Purchase). This ensures better user experience as only what is necessary at any given time is being downloaded and aids with resource management. To dynamically include AzP's SmartCircuit, here is a suggested format:

index.js

```
var node = document.createElement('script');
node.src = `https://sc-
uat.allianzpartnergateway.com/wci/bundles/default/allianzinsurance-uat-
default.js`;
node.async = true;
document.getElementsByTagName('head')[0].appendChild(node);
```

index.html

```
<html>
<body>
<allianz-insurance "accam"="code" "allow-price-validation" = "true | false"
"access-token"="accessToken" "type"="TRAVEL | EVENT" "log-level"= "debug |
info | warn | error" ></allianz-insurance>

</body>
</html>
```

4.3 Single Page Architecture

Consideration needs to be made if the partner uses a Single Page architecture.

In the scenario that a customer moves to a different page after SmartCircuit has initialized and eventually opens another page with Smart Circuit, there will be two listeners up for the same event. It is possible that the customer receives a different quote based on their search criteria.

4.4 Browser Support

The following browsers are currently supported:

- Chrome
- Safari
- Firefox
- Explorer¹
- Edge

4.5 Residency of the Insured

Travel insurance products, made available for US residents, are regulated by each individual state/jurisdiction of the United States. Products may have differing benefits, coverage limits and/or pricing based on the insured's state of residence. To properly facilitate accurate quotes & offers, we require that all of the below are provided as part of each Quote Request.

Attribute Name	Object Name	Data Type	Notes	Example
region	customerAddress	String	2 digit billing state code of the insured	VA
postalCode	customerAddress	String	Billing zip code of the insured	23111
businessUnit	requestDetail	String	2 digit country code	US

¹ Integrations using Angular are tested and supported for IE. Integration with pure Javascript or non-Angular platforms may require inclusion of additional libraries for IE support. However it's anticipated that future versions of Explorer will adhere to the standards used by Chrome, Firefox, Safari, and Edge.

5 SmartCircuit HTML Elements

SmartCircuit will be injected into a custom HTML element named ***allianz-insurance***. Place the following tag in the HTML where the quote is to be displayed:

```
<allianz-insurance "allow-price-validation" = "true | false" "access-  
token"="accessToken" "type"="TRAVEL" "log-level"= "debug | info | warn |  
error"></allianz-insurance>
```

Below will outline each name/value pair.

5.1 Log level

To output information to the console related to the actions of SmartCircuit, add the attribute ***log-level*** as highlighted in the example above. The following log level enumerators determine the level of detail output to the console with ***debug*** returning the most information and ***error*** only returning error information:

1. debug
2. info
3. warn
4. error

The general recommendation is to use 'debug' while developing the integration and to use 'warn' or 'error' in production to limit the logs printed to the console.

5.2 Price verification

If this option is enabled, then Smart Circuit will call a price verification endpoint upon receiving a purchase event.

The Partner's html code will include an element:

"allow-price-validation" = "true | false"

In case of a price mismatch, the following error message would be returned:

*"Price in Purchase Request does not match price was returned in quote request.
TotalPrice should be XXX passed as YYY"*

This is to maintain consistency between the quote and purchase.

5.3 Tokens

The Partner Web Application needs to include an access token, generated by a server-side authentication call, in its html code during initialization. This will serve as the client-side authentication for the service.

```
"access-token"="accessToken"
```

The partner will first make a server-side authentication call.

Request Example:

```
{
  "username": "username",
  "password": "password",
}
```

This will return an access token (valid for the next hour), and a refresh token (valid for 24 hours).

Response Example:

```
{
  "accessToken": "access token",
  "refreshToken": "refresh token",
  "expiresInSec": "3600",
  "TokenType": "Bearer"
}
```

The refresh token can be used for the full 24 hours to 'renew/refresh' the access token.

Request Example:

```
{
  "username": "username",
  "refreshToken": "refresh token",
}
```

Response Example:

```
{
  "accessToken": "access token",
  "expiresInSec": "3600",
  "TokenType": "Bearer"
}
```

Note: once an access token expires, it is required to call the authorize endpoint again using the refresh token that is still valid.

5.4 Type

This is used to indicate whether the service is intended for Travel or an Event:

```
"type"="TRAVEL | EVENT"
```

6 SmartCircuit Event Types

There are two event types that will occur during the insurance booking process, broken down into “Listening Events” and “Sending Events”. Reference the table below.

Listening events are events that the PWA (Partner’s Web Application) is “listening” for during the booking process. For example, a listening event will inform the PWA that SmartCircuit is ready to be loaded onto the page.

Sending Events are events sent from the PWA to SmartCircuit, containing the necessary information for quote, purchase, and note decline.

Event Name	Event Type
Component Ready	Listening
Quote Request	Sending
Insurance Selection/Declined	Listening
Default Offer	Listening
Purchase Request	Sending
Purchase Response	Listening
Note Decline Request	Sending
Note Decline Response	Listening
Error Responses	Listening

Each of these event types will be described in the following sections.

7 Event Listening

The Partner Web Application (PWA) must ensure it contains a function to listen for the following events:

- Component Ready
- Insurance Selection/Declined
- Default Offer
- Purchase Response
- Note Decline Response
- Error Responses

These events will be described in the following sections.

7.1 azpComponentReady

The PWA must wait to receive this event before interacting with SmartCircuit.

7.2 azpInsuranceSelected and azpInsuranceDeclined

The PWA must know if the user has selected insurance or not for display purposes (e.g., displaying the insurance price in the booking price breakdown). Additionally, the PWA must know if insurance is selected to determine whether to send a purchase request or a note decline request.

Example:

```
var insuranceSelected = false;
var insurancePrice = 0;

//Insurance Selected function
function insuranceSelectedFunc(event) {
  insuranceSelected = true;
  insurancePrice = event.detail.insurancePrice;
}

//Event listener for when the insurance radio button is
"yes".
window.document.addEventListener("azpInsuranceSelected",
insuranceSelectedFunc);
```

7.3 azpLoadingDefaultOffer

A default offer is necessary in case an integrated offer does not display. A default offer should only display if there is no response within the specified timeframe after a quote request is sent. SmartCircuit automatically provides a single default offer in the event of a timeout. This occurrence is rare but will help mitigate losses and disruption to the customer experience.

7.4 azpPurchaseResponse

Technically the PWA does not need to handle this event but should do so to confirm the purchase succeeded. If the purchase fails, the failure message will include a unique partner booking ID that can be used to reprocess payment later.

7.5 azpNoteDeclineResponse

Allianz Partners responds with a “SUCCESS” message if the azpNoteDeclineResponse was received.

7.6 azpFatalError

A fatal error indicates that something went wrong (typically a major issue with the quote service) and we are unable to display a quote. The PWA will likely want to hide any display elements related to insurance if this event is received.

8 Event Sending

The PWA will send the following events during a booking:

- Quote Request
- Purchase Request
- Note Decline Request

These events will be described in the following sections.

8.1 azpQuoteRequest

The azpQuoteRequest event should be sent as soon as both the azpComponentReady event has been received and the PWA has collected enough information to send a quote request. This allows SmartCircuit to receive an offer to display. This event should include a Quote Request object.

The following is an example for sending a quote request:

```
var jsonQuoteRequest = {...[JSON quote message here]...};
var quoteRequest = new CustomEvent('azpQuoteRequest', {
  detail: jsonQuoteRequest
});
document.dispatchEvent(quoteRequest);
```

8.2 azpPurchaseRequest

The azpPurchaseRequest event should be sent when the customer purchases the core booking and has selected insurance. This event should include a Purchase Request JSON object.

The following is an example of how to send a purchase request:

```
var jsonPurchaseRequest = {...[JSON message here]...};
var purchaseRequest = new
CustomEvent('azpPurchaseRequest', {
  detail: jsonPurchaseRequest
});
document.dispatchEvent(purchaseRequest);
```

8.3 azpNoteDeclineRequest

A Note Decline Request sent by the partner tells Allianz Partners that a customer has completed a purchase in the core booking path but has not purchased insurance. The partner will send a Note Decline Request each time insurance is declined (the “No” option selected) and a booking is completed. Allianz Partners matches details in the Note Decline with the original Quote Request to measure performance and drive

optimization. This event does not require any data, but examples of details passed include Customer Experience ID (CXID) and Response ID.

The following is an example of a note decline request:

```
var noteDeclineEvent = new  
customEvent('azpNoteDeclineRequest');  
document.dispatchEvent(noteDeclineEvent);
```

9 Event Examples

The following section describes custom event code examples.

Dispatch

```
var myEvent = new CustomEvent('MyEvent', { detail: { key:
value2 } })
document.dispatchEvent(myEvent);
```

Handle

```
handleMyEvent(event) {
    // do something with event.detail
}
document.addEventListener('MyEvent', handleMyEvent);
```

Example

To retrieve the insurance price from the quote response message, perform the following:

```
var insuranceSelected = false;
var quoteInsurancePrice = 0;

function insuranceSelectedFunc(event) {
    insuranceOptionSelected = true;
    insurancePrice = event.detail.insurancePrice;
}

window.document.addEventListener("azpInsuranceSelected",
insuranceSelectedFunc);
```

When the user clicks the “yes” radio button the listener will populate the quoteInsurancePrice variable with the value returned in the quote.

² “value” represents the object where the JSON request would be passed in a Quote Request.

9.1 Quote Request Example for Travel Products (JSON)

The following example is a standard travel JSON quote request.

```
{
  "customers":3 [{
    "address": {
      "region": "VA"4
    },
    "birthDate": "1997-12-01T",5
    "customerType": "PRIMARY",6
    "firstName": "Jane",7
    "gender": "Female",
    "lastName": "Doe",
    "memberships": [{
      "level": "TOP",
      "name": "ABC Airline",
      "type": "GOLD"
    }
  ],
  "phones": [{
    "isPrimary": true,
    "number": "8041234567",
    "type": "Home"
  }
],
  "sequence": 0,8
  "totalCost": 2000.0
},
  "providers": [{
    "isPrimary": true
  }
],
  "requestDetail": {
    "availablePoints": 0,
    "businessUnit": "US",9
  }
}
```

³ "customers" collections will detail the information of the primary ticketholder and then sequence all additional ticketholders.

⁴ Send the region / province of the customer's billing address.

⁵ Send the primary ticket holder's birthdate if available.

⁶ Designate PRIMARY for the primary ticket holder, followed by assigning OTHER for the remaining ticket holders.

⁷ Send the first name of the primary ticket holder.

⁸ This is a required element. The 1st value in sequence is 0 and then 1, 2, and so on.

⁹ Send the country code related to site location and/or customer residency on file.

```

    "currency": "USD", 10
    "cxid": "0",
    "dataSource": "TRAVEL",
    "language": "en", 11
    "offerVersionId": 0,
    "organizationId": 0,
    "redemptionPoints": 0.0,
    "requestCategories": ["Airfare"], 12
    "requestedDate": "2021-10-18T16:30:00-04:00", 13
    "requestOrigin": "Standard", 14
    "sessionId": "0b0c7d79e3585d29", 15
    "trafficSource": "Google", 16
    "transactionId": "1234567"
  },
  "travel": {
    "classOfService": "COACH_CLASS",
    "departureDate": "2022-10-02T20:00:00-4:00", 17
    "destination": {
      "code": "LAX",
      "country": "US",
      "region": "CA"
    },
    "includesConnection": false,
    "isDomestic": true,
    "membershipStatus": "Gold",
    "origin": {
      "code": "RIC",
      "country": "US",
      "region": "VA"
    },
    "refundable": "False",
    "returnDate": "2022-10-15T20:00:00-4:00", 18
    "rewardMiles": 0,
  }
}

```

¹⁰ Use the 3 character ISO currency code that corresponds to the Business Unit for the sale. Send the currency type.

¹¹ Send the value to denote language of site.

¹² Send Airfare to denote the airfare path.

¹³ Send the request date/time.

¹⁴ The location or logical entity within the partner's site where the request originated.

¹⁵ Session ID is unique to the customers browsing session, value cannot exceed 50 characters.

¹⁶ Send the source of traffic that drove the purchaser to the site i.e. (direct, banner ad). This information will be used as an indicator of purchaser behavior and customer characteristics.

¹⁷ Send departure local date/time with the UTC offset.

¹⁸ Send return local date/time with the UTC offset.

```
"totalCost": 2000.0, 19  
"travelAgent": "abc.com",  
"tripDuration": 0,  
"tripIndicator": "ROUND_TRIP" 20  
}  
}
```

¹⁹ Send the total trip cost including tax and fees for the customer. If the request is for the Award path, send tax and fees charged for the award booking.

²⁰ Send ONE_WAY, ROUND_TRIP, or MULTI_CITY in the TripIndicator element based on the trip itinerary.

9.2 Purchase Request Example for Travel Products (JSON)

The following RESTful JSON is an example an event customer purchase request sent by the partner to Allianz Partners.

```
{
  "BusinessUnit": "US",
  "TransactionID": "1234567",
  "Purchases": {
    "Purchase": [{
      "PartnerBookingID": "ABC20301", 21
      "InsuranceBookingDetails": {
        "PurchaseDateTime": "2021-10-18T16:30:00",
        "Status": "NEW",
        "Type": "ADD",
        "Currency": "USD",
        "TotalCoverageAmount": "2000", 22
        "TotalPrice": "96.11", 23
        "TotalPremiumPrice": "96.11",
        "Purchaser": 24 {
          "FirstName": "Jane",
          "LastName": "Doe",
          "BillingAddress": {
            "Street": "1987 Summit Ave",
            "City": "St Paul",
            "Region": "MN",
            "PostalCode": "55105",
            "Country": "US"
          },
          "EmailAddress": "noreply@allianz.com",
          "PhoneNumber": "8041234567"
        },
        "FulfillmentMethod": "EMAIL",
        "PaymentMethod": "CC", 25
        "CreditCard": 26 {
          "CardholderName": "Jane Doe",
          "ExpireMonth": "5",
          "ExpireYear": "2021",
          "CardNumber": "4012XXXXXX0026",

```

²¹ Unique identifier for the travel booking that is generated by the partner. This number must be unique per ticket purchase. Value cannot exceed 25 characters.

²² Send the total trip cost including tax and fees that was sent in the quote request for this purchase.

²³ Cost of insurance pulled from the quote response.

²⁴ Name and address information for the purchaser of the travel insurance.

²⁵ Send the payment method for the insurance purchase.

²⁶ Send the credit card object with all standard details.

```

        "CardType": "VI"
    },
    "TravelBookingDetails":27{
        "Currency": "USD",
        "TotalTripCost": "2000",
        "Method": "ONLINE",
        "DepositDate": "2021-10-18"
    },
    "TravelDetails": {
        "DepartureDate": "2022-10-02",
        "ReturnDate": "2022-10-15",
        "Origin": {
            "Code": "RIC",
            "Region": "VA",
            "Country": "US"
        },
        "Destination": {
            "Code": "LAX",
            "Region": "CA",
            "Country": "US"
        },
        "Providers": {
            "Provider": [{
                "Name": "www.abc.com"
            }]
        }
    },
    "ProductDetails": {
        "Product": [{
            "Sequence": "0",
            "InsuredDetails": {
                "Insured": [{
                    "InsuredSequence": "0",
                    "InsuredType": "PRIMARY",28
                    "FirstName": "Jane",29
                    "LastName": "Doe",30
                    "Birthdate": "1997-12-01",31
                    "InsuredAddress": {

```

²⁷ Send the travel details in this object.

²⁸ Send InsuredType PRIMARY.

²⁹ Send the first name of the ticket purchaser.

³⁰ Send the last name of the ticket purchaser.

³¹ Send the birth date of the ticket purchaser.

```

        "Street": "1987 Summit Ave",
        "City": "St Paul",
        "Region": "MN",
        "PostalCode": "55105",
        "Country": "US"
    },
    "PhoneNumber": "8041234567"
}

]

},
"CoverageAmount": "2000", 32
"Price": "96.11", 33
"PremiumPrice": "96.11"
}

]

}

]

}

```

³² Send the total trip cost including tax and fees that was sent in the quote request.

³³ Insurance price for the insurance pulled from the quote response.

Appendix A Quote Request Data Dictionary

The following data dictionary represents the full set of elements available in the AzP JSON web service.

Note: These Data elements are needed for the token request.

Element	Type	Definition
userName	string	The user name assigned to the partner by AzP.
password	string	Password set by AzP for the Partner. AzP will validate each token request using Partner's ACCAM User Id and Password.

Element	Type	Definition
Location	object	
city	string	The city in the travel itinerary.
code	string	The airport code or other identifier for the location.
country	string	The 2 letter abbreviation or code country for the location.
region	string	The abbreviation or code for state province or region.
Address	object	
address1	string	First line of address. Do not persist for customer.
address2	string	Second line of address. Do not persist for customer.
city	string	Address city. Do not persist for customer.
country	string	The country for this address.
postalCode	string	The postal code for this address. Do not persist for customer.
region	string	The abbreviation or code for state province or region. Referenced in Origin elements in for travel.
Membership	object	
level	string	Status or level of membership.
name	string	The name of the membership.
number	string	The membership number assigned to the member.
type	string	The type of membership.
Customer	object	
age	integer	Age of the customer.

Element	Type	Definition
assistanceType	string	These are values provided by the partner which provide information into what type of assistance is needed by the customer during their travel.
birthDate	string	Birthdate of the customer. Do not persist.
canPersist	boolean	Indicates whether the customer information may be persisted to the AzP database.
customerId	string	Unique identifier generated by Partner to identify customer.
customerType	string	Descriptive category for the traveler. Values may be vertical-specific. (Adult Child Infant Senior ...)
demographicInfo	object	
occupation	string	Occupation of the customer. Do not persist.
emailAddress	string	Email address of policyholder. Do not persist.
firstName	string	First name of customer. Not Persisted.
gender	string	Gender of the customer.
includeForPricing	boolean	Indicates should be included in AzP internal traveler group pricing.
includeInGroupDetermination	boolean	Indicates should be included in AzP internal traveler group pricing.
lastName	string	Last name of customer. Not Persisted.
memberships	array	
middleInitial	string	Middle initial of traveler. Do not persist.
nationality	string	
okToContact	boolean	Indicates whether marketing representatives may contact the customer.
options	array	
phones	array	
items	object	
areaCode	string	represents the area code of customer's phone number.
countryCode	string	represents the country code of customer's phone number.
isPrimary	boolean	Indicates if this phone number can be treated as the primary phone number for the customer.
number	string	Represents the customer's phone number. Not persisted.
type	string	Type of customer's phone - Home Work Mobile etc.
relationshipToPrimary	string	Relationship of the person in the sequence to the primary customer.

Element	Type	Definition
salutation	string	The nickname or greeting the customer prefers to be called. Do not persist.
sequence	integer	The sequential order of the primary driver in the list. In most cases this would be the first position in the list.
suffix	string	A name suffix if used. Do not persist.
title	string	A personal title if used. Do not persist.
totalCost	number	Travel cost per traveler. Individual cost relating to the transaction item (Motor or Travel or Event etc..)
Vehicle	object	
age	integer	Age of the vehicle.
annualDistance	integer	Estimated annual miles driven with the vehicle.
antiTheftDevice	string	Whether or not vehicle has an anti theft device.
associatedTrailerSequence	integer	Sequence number of the associated trailer.
bodyStyle	string	The body style of the vehicle.
color	string	The painted color of the vehicle.
edition	string	The edition of the vehicle.
engineSize	integer	The size of the vehicle engine in millileters. (4200 = 4.2)
firstRegistrationDate	string	The date on which the vehicle was first registered.
fuelType	string	The type of fuel used in the vehicle.
horsePower	integer	Horse power or power (kw) as a number.
imageURL	string	Image of the vehicle.
isForBusinessUse	boolean	Is the vehicle used for business.
isHighMileage	boolean	Is the vehicle considered in the high-mileage range by the partner.
isOriginalOwner	boolean	Is the current owner the original owner
lastRegistrationDate	string	The most recent registration date of the vehicle.
manufactureDate	string	The year the vehicle was manufactured.
manufacturer	string	Name of the vehicle manufacturer.
model	string	The model of the Vehicle.
options	array	
parkedAtNightLocation	string	Where the vehicle is parked at night.
plateNumber	string	The plate or tag number issued when the vehicle was registered.
primaryDriverSequence	integer	The sequential order of the primary driver in the list. In most cases this would be the first position in the list.
primaryUse	string	Primary use of the vehicle.

Element	Type	Definition
regionWhereRegistered	string	State province or region where vehicle is registered.
riskCategory	string	Partner-defined risk.
sequence	integer	The sequence number of the vehicle in the request.
situationOfRisk	string	Partner-defined.
value	number	The current value of the vehicle in the currency type of the partner.
vehicleIdentification	string	A unique identifier assigned to this vehicle by the governing authority such as the VIN assigned in the US).
vehicleType	string	The type of vehicle to be insured.
weight	integer	Weight of the vehicle.
yearsOwned	integer	# years the vehicle in under ownership
MotorRelated	object	
distanceToWork	integer	The distance the driver travels to work.
driverCategory	string	Indicates a category of the driver.
hasCommuterTicket	boolean	Indicates whether the driver is the holder of a commuter railway ticket.
hasMileageAllowance	boolean	Indicates whether the driver has a job-related mileage allowance.
isDrivingOtherCars	boolean	Indicates whether the driver has use of other cars.
isFulltimeCarUse	boolean	Indicates the car will be in fulltime use by the drivers.
licenceStatus	string	The status of the license held by the driver.
licenceType	string	The type of license held by the driver.
noClaimsBonusCode	string	The code used to identify the bonus offered to the customer.
noClaimsStepCode	string	If applicable a step code for the no-claim bonus code.
noClaimsYears	integer	Years of no claim for the driver.
noClaimsYearsNamedDriver	integer	The no-claim years for a driver other than the primary driver.
noClaimsYearsOwnName	integer	The no-claim years for the primary driver.
penaltyPoints	integer	The Total penalty points against the driver.
yearFirstLicenceHeld	integer	The year the driver first obtained a licence.
TravelLeg	object	
arrivalDate	string	Arrival Date for this leg.
brandedFare	string	TBD - Partner defined branded fare for travel leg.
classOfService	string	The class of service for this segment

Element	Type	Definition
departureDate	string	Departure Date for this leg.
distanceTraveled	integer	The distance in miles for this segment.
equipmentType	string	The description of the equipment used for this segment.
fareClass	string	Fare class code of this flight segment
isDomestic	boolean	Indicates if trip is considered domestic by Partner.
layoverDuration	integer	
options	array	
routeGroup	string	A route is defined by the origin and destination of a unit of travel. Routes can be combined into a group.
routeNumber	string	The flight number as assigned by the airline for this route.
seatAvailability	integer	Total number of available seats on the equipment type
seatCapacity	integer	Total number of seats the equipment type can support
sequence	integer	The sequence of the traveling segment in the trip
travelDuration	integer	The length or duration of the trip in minutes
TravelSegment	object	
arrivalDate	string	Arrival Date for this segment.
brandedFare	string	TBD - Partner defined branded fare for travel segment.
classOfService	string	
departureDate	string	Departure Date for this segment.
distanceTraveled	integer	
fareClass	string	
includesConnection	boolean	Does this segment have more than 1 leg?
isDomestic	boolean	Indicates if trip is considered domestic by Partner.
layoverDuration	integer	
options	array	
routeGroup	string	
sequence	integer	The sequence of the traveling segment in the trip
travelLegs	array	
Travel	object	
autoTrain	boolean	Indicates that an autotrain is being booked.
brandedFare	string	TBD - Partner defined branded fare for trip.
classOfService	string	The class of service in the booking e.g. business.
connection	string	
departureDate	string	The scheduled date of departure for the trip.
includesConnection	boolean	Does this trip have more than 1 segment or leg?

Element	Type	Definition
isDomestic	boolean	Indicates if trip is considered domestic by Partner.
options	array	
refundable	string	Indicates that the booking is refundable.
returnDate	string	The scheduled date or return for the booking.
routeGroup	string	A route is defined by the origin and destination of a unit of travel. Routes can be combined into a group.
ticketSalesType	string	The type of tickets sold. (Pre-Sales VIP Members Only Fan club sales ...)
totalCost	number	Total cost including taxes surcharges and fees. In Air Wrapper a value > 0 is enforced.
travelAgent	string	The agent or agent site that is booking the travel.
travelLegs	array	Collection of travel legs. Populate this when segments are not used.
travelPurpose	string	The traveler's purpose of travel.
travelSegments	array	Collection of segments.
tripDuration	integer	The length or duration of the trip in days.
tripIndicator	string	The type of trip booked. Should be either Round-trip; One-way; or Multicity.
SearchPreference	object	
flexibleDates	boolean	Indicates whether flexible dates are used in the search criteria.
includeNearbyAirports	boolean	Indicates if nearby airports are included in the search criteria.
includeWeekends	boolean	Indicates if weekends were included in the search criteria.
maxPrice	number	Top of the price range a customer is searching.
minPrice	number	Bottom of the price range a customer is searching.
searchByPrice	boolean	Indicates if price was used in the search criteria.
searchBySchedule	boolean	Indicates if flight or event schedule was used in the search criteria.
AdditionalItem	object	
cost	number	The cost of the additional item.
currencyType	string	The type of currency being used in the form of the three character ISO format currency code.
description	string	The description of the product.
externalIdentifier	string	The identifier used by the partner.
name	string	The name of the associated product.
options	array	
quantity	integer	The number of the products in the request.

Element	Type	Definition
sequence	integer	The sequence of the associated product.
totalCost	number	Quantity x Cost
Provider	object	
isPrimary	boolean	Indicates the primary product provider.
options	array	
providerCode	string	The code used by the product provider.
providerName	string	The name of the product provider.
providerType	string	The type of product provider.
RequestDetail	object	
businessUnit	string	Country where products are eligible to be sold.
clientVersion	string	Version of the JS.
costIncludes	array	array of items included in cost.
items	string	
currency	string	The type of currency being used in the form of the three character ISO format currency code.
cxid	string	Customer Experience ID. This value is returned by AzP in the first quote response so only applies in customer scenarios where the partner is making multiple quote requests within the customer's browsing session.
dataSource	string	Line of Business Source for the data sent to AzP
exchangeRate	number	The exchange rate that should be used to convert prices from their default currency into the requested currency.
experimentVariant	string	Indicates which experiment (marketing test) was originally rendered so that it may be given again under the same circumstances or session.
itemDeliveryMethod	string	The method for receipt of the ticket(s).
language	string	Two character ISO format language code.
locations	array	List of codes where we are allowed to optimize for the request.
items	string	AzP location code.
offerVersionId	integer	ID that allows tracking of offer when Partner is transitioning between different AzP platform versions. Also allows AzP to align offers to different versions of the partner's path.
options	array	
redemptionPoints	number	The number of program points being redeemed by the customer in the booking.
requestCategories	array	Contains a delimited list of booking categories.
items	string	

Element	Type	Definition
requestChannel	string	The partner's site that sent this request.
requestedDate	string	Populates current server date by default - exposed for internal purposes.
requestOrigin	string	The location or logical entity within the partner's site where the request originated (e.g. booking or managed reservations).
requestOriginPage	string	The specific page that sent this request.
requestingHost	string	Host issuing request - Host URL (origin from WidgetRequest)
salesOriginType	string	The location from which the booking was made.
sessionId	string	Session Id that AzP receives in the quote request. Allows AzP to track duplicate requests within same visitor session. Supports identification of duplicates in analytical activities.
trafficSource	string	Describes source of traffic which brought the consumer to partner site prior to insurance purchase.
transactionId	string	Available for Partner to send a unique ID with their quote request which will flow through the entire transaction. AzP will return it in their response and the partner can send it back with the purchase request.
usePromotionCode	boolean	Indicates that a promotion code was used for the booking.
vertical	string	Request line of business such as AIRFARE EVENT or MOTOR.
visitorId	string	Used to help track a customer and the offers that they receive when the customer returns to the site.
widgetKey	string	Unique identifier generated by AzP for each client widget. Will be populated by the partner when interacting with the Widget/JS.
RequestProductSequence	object	
sequence	integer	The number of the sequence.
sequenceType	string	The name of the sequence. Ex: Leg or Segment
RequestProductOption	object	
name	string	The name of the product option. Ex: SeatGroup
value	string	The value of the product option. Ex: ExtraLegRoom Upfront

Element	Type	Definition
RequestProductPrice	object	
isAvailable	boolean	Indicates if this product/option is not available for purchase.
isIncluded	boolean	Indicates if the product/option is included with another product or package.
price	number	The price for the product
productOptions	array	
productSequences	array	
stepName	string	Indicates step that price is for.
RequestProduct	object	
isAvailable	boolean	Indicates the product is available to the current customer.
isDefault	boolean	Indicates if partner has defaulted this selection.
isEditable	boolean	Can user select and unselect this product?
isSelected	boolean	Indicates if the product was selected for purchase.
price	number	The price for the product if not priced differently per leg option or other factor.
pricePoints	array	
productCode	string	Code that uniquely defines the product.
supplierCode	string	The supplier code assigned by AzP.
Partner	object	
externalCode	string	This is a code that the partner is assigned by other external systems. This may be needed for reporting and fulfilment purposes and can be different from the partner code that is assigned by AzP.
externalSubCode	string	Placeholder if additional code is needed.
Incident	object	
customerSequence	integer	The sequential order in the list of the specific customer to which the incident applies.
description	string	A more detailed description of the incident.
incidentType	string	A short code that describes the type of vehicle-related incident (e.g. SPEEDING DUI PARKING). These codes will be defined by the partner and/or provider.
penaltyPoints	integer	The penalty points for the specific incident.
vehicleSequence	integer	The sequential order in the list of the specific vehicle to which the incident applies.
Lodging	object	

Element	Type	Definition
accomodationType	string	Accomodation type being booked: Timeshare Hotel Vacation Rental Shared Accomodation etc.
agencyRating	number	The travel agency rating given by the preferred agency.
availability	string	Airbnb groupings for properties (Limited Popular Rare etc)
cancelationPolicyType	string	Whether the cancellation policy on the Airbnb property is flexible or strict.
carbonMonoxideDetector	boolean	Whether Airbnb property has a carbon monoxide detector.
chain	string	The name of the hotel chain in the itinerary.
checkInDate	string	The hotel checkin date on the itinerary.
checkOutDate	string	The hotel checkout date on the itinerary.
crib	boolean	Indicates a crib is needed for the booking.
eventName	string	The name of the specific event in the itinerary.
fireExtinguisher	boolean	Property has fire extinguisher.
hostName	string	First name of the host / DO NOT PERSIST.
hostStatus	string	Status of Airbnb Property Host.
hotTub	boolean	Property has hot tub.
indoorFirePlace	boolean	Property has indoor fireplace.
instantBooking	boolean	Whether the Airbnb booking is an instant booking
levelOfService	string	Level of service: World Class Service Mid-Range Service Budget/Limited Service etc.
locationCategory	string	The category of the hotel location as information of the area.
locationType	string	The location of the accomodation as specified by the vendor.
name	string	The name of the specific hotel in the itinerary.
numberOfBedRooms	integer	Number of bedrooms in unit.
numberOfBookingUnits	integer	Number of units in the property that are being booked for this request.
options	array	
petsAllowed	boolean	Are pets allowed.
propertyType	string	House apartment loft etc.
rateType	string	The type of rate given for the booking.
refundable	string	Indicates that the booking is refundable.
rollaway	boolean	Indicates a rollaway bed is needed for the booking.
roomType	string	Whether the property's room is an entire home private room or shared room.
smokeDetector	boolean	Property has smoke detectors.

Element	Type	Definition
smokingAllowed	boolean	Property allows smoking.
starRating	number	This is the star rating given by travel industry.
thumbRating	number	This is the rating given by the end user (average of reviews). Varies by distributor.
totalCost	number	The total cost including taxes fees and surcharges.
zone	string	Whether a partner country of residence (BU) is the same as the accomodation's country of residence is 'domestic' or 'international'.
Gadget	object	
browserType	string	Indicates the type of browser used to access the website. For example: Internet Explorer.
browserVersion	string	Indicates the version of the browser used to access the website. For example: IE7
deviceCategory	string	Indicates the category of device being used to access the partner website.
deviceType	string	Describes the brand of device used to access the partner website. For example: BlackBerry
ipAddress	string	IP address of the computer or device which is being used when accessing the partner site.
operatingSystem	string	Indicates the operating system that the traveler is using when accessing the partner site.
operatingSystemVersion	string	Indicates the version of the operating system the traveler is using when accessing the partner site.
requestingPlatform	string	The platform from which the request was initiated.
requestingPlatformVersion	string	Version of the platform from which the request was initiated.
userAgent	string	User Agent string that provides information about user's device.
OfferType	object	
offerDescription	string	The description of the offer requested.
offerTypeId	integer	The id of the offer type.
options	array	
Event	object	
artistId	integer	The id given to the artist by the booking agent.
artistName	string	The name of the artist being booked.
endDate	string	The date the event will end.
eventName	string	The name of the event or show in the booking.
isPremiumSeat	boolean	Indicates whether the ticket is a premium ticket (TRUE) for example Official Platinum Ticket or a standard seat (FALSE).

Element	Type	Definition
majorCategory	string	The main category of the event.
minorCategory	string	The sub-category of the event.
numberOfHours	integer	The number of hours the event is scheduled to last.
offerTypes	array	
onSaleDate	string	The date booking is opened for the event.
options	array	
outdoorEvent	boolean	Indicates whether the event will be outdoors.
preSaleDate	string	The date that booking is opened for pre-sale tickets.
refundable	string	Indicates that the booking is refundable.
sequence	integer	The sequential order of the event when multiple events are being booked.
startDate	string	The start date of the event.
ticketHolders	array	
ticketLimit	integer	The ticket limit per person.
ticketSalesType	string	The type of tickets sold.
ticketType	string	Shows ticket type.
totalCost	number	The total cost including taxes fees and surcharges.
venueCode	string	The vendor's id number for the venue.
venueName	string	The name of the venue.
RentalCar	object	
carClassCode	string	ACRIS or other identifying car classification code
endDate	string	The date the car will be returned.
isDomestic	boolean	Indicates if trip is considered domestic by Partner.
options	array	
rentalCarAgency	string	The name of the agency renting the car.
rentalCarPickupLocation	string	The actual pickup location at origin.
startDate	string	The date on which the car will be picked up.
totalCost	number	The total cost of the rental car.
Cookie	object	
additionalItems	array	Additional items already selected as purchased by customer (these products will not be optimized)
cookies	array	
customers	array	
events	array	
incidents	array	
lodgings	array	
products	array	Array of products passed to AzP.
providers	array	
rentalCars	array	

Element	Type	Definition
treatmentTracker	array	
vehicles	array	

Appendix B Purchase Request Data Dictionary

Element	Definition	Req. (R) Opt. (O)	Type	Example	Additional Details
PurchaseRequest					
BusinessUnit	This is the business unit that processes the purchase request or point of sale location	R	string	"US, UK, CA"	
TransactionID	Unique identifier for each XML transaction (request and response) that is generated by the partner. Typically a cart number	R	string	"ABC00000001"	
PurchaseRequest/Purchases					
PartnerBookingID	Unique identifier for the travel booking and purchase date that is generated by the partner. i.e. PNR. This number must be unique per calendar day	R	string	"ABC123"	
PurchaseRequest/Purchases/InsuranceBookingDetails					
PurchaseDateTime	Date and time that the insurance purchase was made.	R	date/time	"2012-04-30 10:00:00"	
CoSourceID	The cosource id, marketing id, or banner id that resulted in insurance being purchased.	O	string	"1234"	
ReferringURL	The referring URL that is related to insurance being purchased.	O	string	"URL"	

Element	Definition	Req. (R) Opt. (O)	Type	Example	Additional Details
Status	The billing status for this insurance booking.	R	string	"NEW, CHARGE D"	Typically the value is NEW. CHARGED only applies if AzP is <u>not</u> the merchant of record; in that case CC details are not required
Type	The transaction type for the insurance booking.	R	string	"ADD, CNCL, CANCEL, CHNG, CHANGE"	ADD is used for all new bookings
Currency	The local, 3 digit ISO currency code	R	string	"USD"	
TotalCoverageAmount	The total trip cost to be covered by the insurance purchase.	R	double	"500"	
TotalPrice	The total price for the insurance purchase including premium and taxes.	R	double	"27.50"	
WaiverPrice			double		
TotalTaxes	The total taxes for the insurance purchase.	O	double	"0"	
TotalCharitableContribution	The total charitable contributions for the insurance purchase.	O	double	"0"	
TaxRegion	The tax region or code that identifies the tax rate that applies to this insurance booking.	O	string	"XX"	Not applicable if the point of sale is in the US
PromotionCode	The promotion code used to complete this insurance booking.	O	string	"AB13"	

Element	Definition	Req. (R) Opt. (O)	Type	Example	Additional Details
SubscribeToMarketing	A flag that indicates whether or not the purchaser or partner would like marketing material sent from AzP to the purchaser.	O	boolean	"FALSE"	
PurchaseRequest/Purchases/InsuranceBookingDetails/Purchaser					
FirstName	Purchaser's first name.	R	string	"Chris"	
MiddleInitial	Purchaser's middle initial.	O	string	"S"	
LastName	Purchaser's last name.	R	string	"Smith"	
PurchaseRequest/Purchases/InsuranceBookingDetails/Purchaser/BillingAddress					
Street	The billing street address.	R	string	"9950 Mayland Dr"	
Street2	The billing street address - 2nd line.	O	string	"Ste 100"	
City	The billing city.	R	string	"Richmond"	
Region	The two digit state or province code.	R	string	"VA"	Required for all U.S. and Canadian addresses only
PostalCode	The billing zip code or postal code.	R	string	"23233"	
Country	The billing ISO 3 digit country code.	R	string	"USA"	
PurchaseRequest/Purchases/InsuranceBookingDetails/Purchaser (cont.)					
EmailAddress	Purchaser's email address. Required if fulfillment method is EMAIL.	O	string	"test@test.com"	Required if E-mail is the chosen method of policy fulfillment

Element	Definition	Req. (R) Opt. (O)	Type	Example	Additional Details
SecondaryEmailAddress	A second email address that fulfillment will be sent to on behalf of the purchaser if the fulfillment method is EMAIL.	O	string	"test@test.com"	
PhoneNumber	Purchaser's phone number.	O	long	"8041234567"	Strongly recommended that this is sent
FaxNumber	Purchaser's fax number	O	long	Example "999-999-999"	
MembershipStatus	Indicates if the Primary Booker is signed in or booking as a guest.	O	string	"Guest"	
UsePromotionCode	Tracks whether or not a unique promotional code is being used"	O	boolean	"true"	
TripIndicator	The type of trip being booked	O	String	"One_Way"	
DiscountType	The type of discount being provided.	O	String	"Military"	
TicketDeliveryMethod	The method the customer wants to receive the ticket, such as electronic or paper ticket.	O	String	"electronic"	
PurchaseRequest/Purchases/InsuranceBookingDetails (cont.)					
FulfillmentMethod	Fulfillment method for insurance purchase. Valid values include 'EMAIL' and 'MAIL'	R	string	"EMAIL"	
PaymentMethod	Payment method for insurance purchase. Valid values include 'CC' and 'CW'	R	string	"CC"	CC = Credit Card, CW = Cash Withheld.
PaymentTransactionID	Payment transaction id from payment processor.	O	string	"123456"	Only applicable if client is charging the CC. Field limit 12 characters

Element	Definition	Req. (R) Opt. (O)	Type	Example	Additional Details
PaymentReconciliationID	Payment reconciliation id from payment processor.	O	string	"123456"	
PurchaseRequest/Purchases/InsuranceBookingDetails/CreditCard - (Required if Payment type if CC and AzP is MOR)					
CardholderName	The name that appears on the credit card.	R	string	"Chris Smith"	
ExpireMonth	The month the credit card expires.	R	int	"11"	
ExpireYear	The 4 digit year the credit card expires.	R	int	"2014"	
CardNumber	The credit card number.	R	long	"Card Number"	
CardType	The credit card type. Valid values include AE, AX,AO = American Express	R	string	"VI"	
	BL = Bill Me Later				
	CB, DC = Diners Club				
	DS = Discover Card				
	MC,CA = Master Card				
	VI, VS = Visa				
	JC = JCB				
SecurityCode	The security or verification code that appears on the back of the credit card.	O	int	"123"	Required for some sales outside the US (i.e. UK)
PurchaseRequest/Purchases/InsuranceBookingDetails (cont.)					
TravelAgent	The identifier for the travel agent who assisted with the insurance purchase. Min length: 0; Max length: 40 chars.	O	string	"CSS"	Recommended to identify selling agent for reporting
AccountUserType	The AzP account user type. An account is either for an agent (A) or consumer (C).	O	string	"A"	
AccountUserName	The AzP account user name.	O	string	"test"	

Element	Definition	Req. (R) Opt. (O)	Type	Example	Additional Details
PurchaseRequest/Purchases/InsuranceBookingDetails/AdditionalItems/ItemDetail (This item is repeatable)					
Description	Description of additional option	O	string		
Cost	Cost of additional item.	O	double		
CurrencyType	The 3 digit ISO currency code.	O	string	"USD"	
PurchaseRequest/Purchases/GadgetDetails					
BrowserType	The browser being used by the customer.	O	string	"IE"	Required if insurance is offered via mobile website or mobile application
BrowserVersion	The version number of the browser being used by the customer.	O	string	"1.2"	Required if insurance is offered via mobile website or mobile application
DeviceCategory	The device being used (mobile, tablet, desktop)	O	string	"Tablet"	Required if insurance is offered via mobile website or mobile application
DeviceType	The type of device on which the offer is to be presented, i.e.,iphone, Nexus PC or Mac.	O	string	"iphone"	Required if insurance is offered via mobile website or mobile application
OperatingSystem	The operating system on which the offer is to be presented. (i.e. iOS, Blackberry, Android, etc.)	O	string	"Android"	Required if insurance is offered via mobile website or mobile application

Element	Definition	Req. (R) Opt. (O)	Type	Example	Additional Details
OperatingSystemVersion	The version of the operating system on which the offer is to be presented.	O	string	"4.2"	Required if insurance is offered via mobile website or mobile application
RequestingPlatform	The mobile platform on which the offer is to be presented. (i.e. Mobile Site or Mobile App)	O	string	"Mobile App"	Required if insurance is offered via mobile website or mobile application
RequestingPlatformVersion	The version of the requesting platform on which the offer is to be presented.	O	string	"Macintosh OSX"	Required if insurance is offered via mobile website or mobile application
PurchaseRequest/Purchases/TravelBookingDetails					
Currency	The 3 digit ISO currency code.	R	string	"USD"	
TotalTripCost	Total trip cost for all travelers in the booking.	O	double	"500.00"	If this element is passed its value should match that of TotalCoverage Amount
TotalMiles	The total airline miles used for the travel booking.	O	int	"5000"	
PurchaseRequest/Purchases/TravelBookingDetails/TripCostIncludes					
Item	List of items included in the total trip cost. Valid values include air, car, cruise, event, hotel, package, rail, tour.	O	array	"Air, Cruise"	
PurchaseRequest/Purchases/TravelBookingDetails (cont.)					

Element	Definition	Req. (R) Opt. (O)	Type	Example	Additional Details
DepositDate	The date the first payment for the booking is made by the customer. If unsure of this date please use the policy purchase date	O	date/time	"2012-04-30:10:00:00"	Desired to identify eligibility for coverage by product
FinalPaymentDate	The date the final payment for the booking is made by the customer.	O	date/time	"2012-04-30:10:00:00"	Desired to identify eligibility for coverage (only applicable for specific products)
CustomerID	The customer identifier, frequent flyer number, or membership number for the customer who made the travel booking.	O	string	"1234"	
TravelAgent	The identifier for the agent who completed the booking for the customer.	O	string	"CSS"	Desired to identify selling agent for reporting
Language	The ISO language code used to complete the travel booking.	O	string	"ENG"	
PurchaseRequest/Purchases/TravelDetails					
DepartureDate	The first date of travel.	R	date/time	"2012-06-01:10:00:00"	
ReturnDate	The last date of travel.	R	date/time	"2012-06-07:00:00:00"	

Element	Definition	Req. (R) Opt. (O)	Type	Example	Additional Details
RentalCarStartDate	The first rental car date.	O	date/time	"2012-06-02:10:00:00"	Required if a rental car is purchased and the rental car start and end date are different from the departure and return date
RentalCarEndDate	The last rental car date	O	date/time	"2012-06-04:10:00:00"	Required if a rental car is purchased and the rental car start and end date are different from the departure and return date
PurchaseRequest/Purchases/TravelDetails/Origin					
Code	The airport code or other identifier for the location.	O	string	"LAX"	Strongly recommended that this is sent
Region	The two digit state or province code.	O	string	"VA"	Strongly recommended that this is sent
Country	The ISO country code for the location.	O	string	"US"	Strongly recommended that this is sent
PurchaseRequest/Purchases/TravelDetails/Destination					
Code	The airport code or other identifier for the location.	O	string	"LAX"	Strongly recommended that this is sent
Region	The abbreviation or code for state, province, or region.	O	string	"VA"	Strongly recommended that this is sent
Country	The ISO country code for the location.	O	string	"US"	Strongly recommended that this is sent
PurchaseRequest/Purchases/TravelDetails/Providers					

Element	Definition	Req. (R) Opt. (O)	Type	Example	Additional Details
PurchaseRequest/Purchases/TravelDetails/Providers/ Provider					
Code	Code for travel provider.	O	string	"test"	
Name	Name of travel provider.	O	string	"test"	
PurchaseRequest/Purchases/TravelDetails (cont.)					
TravelReason	Reason for travel. i.e. 'Business' or 'Leisure'	O	string	"Leisure"	Desired additional customer information
PurchaseRequest/Purchases/TravelDetails/FlightDetails					
PurchaseRequest/Purchases/TravelDetails/FlightDetails/Flights					
PurchaseRequest/Purchases/TravelDetails/FlightDetails/Flights/Flight					
FlightDate	Date of the flight.	O	Date/ Time	"2012-06-04:10:00:00"	
Airline	Two digit airline code	O	string	"DL"	
FlightNumber	Flight number	O	string	"2234"	
Airport	Three character airport code.	O	string	"RIC"	
PurchaseRequest/Purchases/ProductDetails					
PurchaseRequest/Purchases/ProductDetails/Product					
Sequence	Unique sequence number for this purchase and product. First item in the sequence should be 0	R	int	"0"	
QuoteID	The quote id is a value that is obtained from a quote response message from AzP that uniquely identifies a particular quote.	O	string	"123"	Optional but desired for tracking

Element	Definition	Req. (R) Opt. (O)	Type	Example	Additional Details
ProductID	The identifier for the insurance product. It may be either the product name or code though use of the code is recommended	R	string	"Domestic Air Protector" or "001001122"	
PurchaseRequest/Purchases/ProductDetails/Product/InsuredDetails					
PurchaseRequest/Purchases/ProductDetails/Product/InsuredDetails/Insured					
InsuredSequence	Unique sequence number for each individual who is purchasing this insurance product.	R	int	"0"	This controls both who is listed as the Primary and the order of the insureds. First item in the sequence should be the primary and the sequence number is 0
InsuredType	The type of insured. Valid values include 'PRIMARY' or 'OTHER'.	R	string	"PRIMARY"	There can be only one PRIMARY per purchase and it should be the first insured in the list
FirstName	The first name of the insured.	R	string	"Chris"	
MiddleInitial	The middle initial of the insured.	O	string	"S"	
LastName	The last name of the insured.	R	string	"Smith"	

Element	Definition	Req. (R) Opt. (O)	Type	Example	Additional Details
Birthdate	The date of birth of the insured. This is required if the insurance product is age-rated.	O	date	"1982-11-05"	Required for age rated products and strongly recommended that it be sent even if the current product isn't age rated
Gender	Gender of the insured.	O	enum	"Female"	
IPAddress	IP address of the insured.	O	string	"199.116.175.111"	
PurchaseRequest/Purchases/ProductDetails/Product/InsuredDetails/Insured/InsuredAddress					
Street	The billing street address.	R	string	"9950 Mayland Dr"	
Street2	The billing street address - 2nd line.	O	string	"Ste 100"	
City	The billing city.	R	string	"Richmond"	
Region	The two digit state or province code.	O	string	"VA"	Required for all US & CA Addresses
PostalCode	The billing zip code or postal code.	R	string	"23233"	
Country	The billing ISO country code.	R	string	"USA"	
PurchaseRequest/Purchases/ProductDetails/Product/InsuredDetails/Insured (cont.)					
PhoneNumber	The phone number of the PRIMARY insured	R	string	"8041234567"	Required for primary insured only

Element	Definition	Req. (R) Opt. (O)	Type	Example	Additional Details
TripCost	The individual trip cost for the insured.	O	double	"2500.00"	If this element is passed it supersedes that of TotalCoverage Amount
Miles	The airline miles used to book a ticket for the insured. This information is relevant if a reward type of travel insurance product is purchased.	O	int	"10000"	
CustomerID (legacy item - no longer used)	The customer identifier, frequent flyer number, or membership number for this traveler.	N/A	string	"Identifier"	This is a legacy item and is no longer used
Beneficiary	The name of the beneficiary for this insured.	O	string	"Karl Schlebusch"	Desired if the product purchased includes a death benefit
NumberOfRooms	Number of rooms being covered by the insurance policy.	O	int	"2"	Value should only be present if this is for hotel.
PurchaseRequest/Purchases/ProductDetails/Product/InsuredDetails/Insured/Memberships					
Name	Name of the membership.	O	string	"FrequentFlyer"	
Type	Type of membership.	O	string	"Platinum"	
Number	Number or account of the given membership.	O	string	"FF10983"	
PurchaseRequest/Purchases/ProductDetails/Product (cont.)					
CoverageAmount	The trip cost to be covered by the insurance product.	R	double	"500.00"	

Element	Definition	Req. (R) Opt. (O)	Type	Example	Additional Details
Price	The price for the insurance product including premium and taxes	R	double	"27.50"	
PremiumPrice	The premium amount for the insurance product.	O	double	"27.50"	
Taxes	The tax amount for the insurance product.	O	double	"1.25"	
CharitableContribution	The charitable contribution amount for the insurance product.	O	double	"1.00"	
ProductBookingID	The insurance product booking id or policy number.	O	string	"123456"	Required if partner is generating the policy number
PurchaseRequest/Purchases/Tuition					
FirstName	First name of student.	O	string	"John"	Required for tuition.
LastName	Last name of student.	O	string	"Dow"	Required for tuition.
DOB	Student's date of birth.	O	string	"1982-11-05"	Required for tuition.
SchoolID	School ID of the university	O	string	"25246"	Required for tuition.
YearsInSchool	Number of years the student is in school.	O	date/ time	"3"	Required for tuition.

Element	Definition	Req. (R) Opt. (O)	Type	Example	Additional Details
GPA	GPA of the student.	O	double	"3.4"	Must be an integer, with up to two digits post decimal place: 2.25
StudyAbroad	Is the student studying abroad?	O	boolean	"true"	Required for tuition.

Appendix C Purchase Response Data Dictionary

Elementy	Definition	Req. (R) Opt. (O)	Type	Example	Additional Details
PurchasesResponse					
TransactionID	Unique identifier for each XML transaction (request and response) that is generated by the partner. Typically a cart number.	R	string	"ABC000001"	
PurchasesResponse/Status					
Code	Status code that indicates whether or the request was processed successfully. Valid values include SUCCESS and FAILURE.	R	string	"SUCCESS"	
Message	Status message that indicates the type of FAILURE. Examples include System Error, Invalid Data, Missing Data, and Insurance Unavailable.	O	string	"Missing Data"	
Reason	Status reason that explains the message in more detail.	O	string	"Invalid Product ID"	
Source	Field or element that is the source of the failure.	O	string	"ProductID"	
PurchasesResponse/Purchases/Purchase					
PartnerBookingID	Unique identifier for the travel booking and purchase date that is generated by the partner.	R	string	"132456"	
OrderID	AzP's unique identifier for the insurance purchase.	R	int	"123"	

Elementy	Definition	Req. (R) Opt. (O)	Type	Example	Additional Details
InsuranceBookingStatus	The billing status for this insurance booking. Some of the valid values are 'NEW', 'PENDING', 'CHARGED', and 'DECLINED'.	R	string	"CHARGE D"	
PurchasesResponse/Purchases/Purchase/ProductDetails					
PurchasesResponse/Purchases/Purchase/ProductDetails/Product					
Sequence	Unique sequence number for this purchase and product.	R	int	"1"	
ProductID	The identifier for the insurance product. It may be a product name or code.	O	string	"Domestic Air Protector"	
ProductBookingID	The insurance product booking id or policy number.	O	string	"E01234567"	Required if the purchase was successful and the payment type is synchronous.
PolicyDateTime	The date and time the insurance product was successfully processed.	O	date/time	"2012-04-30 10:00:00"	

Appendix D Quote Response Status Messages

<Status> <Code>	<Status> <Message>	<Reason>	What This Means	Next Step
SUCCESS	null	null	The quote request was processed successfully and the current product offer was returned.	Display the offer on the partner site.
FAILURE	No journey code for distributor XX	NoEligibleJourney	An offer is not available based on the criteria sent in the quote request.	This is expected based on the business rule. Suppress the offer.
FAILURE	All tree expressions evaluated to false for PartnerCode=XX	NoEligibleTree	An offer is not available based on the criteria sent in the quote request.	This is expected based on the business rule. Suppress the offer.
FAILURE	null	TerminatedBranch	An offer is not available based on the criteria sent in the quote request.	This is expected based on the business rule. Suppress the offer.
FAILURE	null	NoEligibleProduct	A product is not available based on the criteria sent in the quote request.	This is expected based on the product rule. Suppress the offer.
FAILURE	Unable to authenticate.	Partner credentials are invalid.	The incorrect password is being sent.	Correct the password.
FAILURE	Unable to authenticate.	Partner Password is missing.	Partner Password is missing.	Send the password.
FAILURE	Value cannot be null. Parameter name: key	null	The incorrect User ID is being sent.	Correct the User ID.
FAILURE	Partner credentials are invalid.	Invalid distributor	The User ID is missing.	Send the User ID.

Appendix E Purchase Response Status Messages

<Status> <Code>	<Status> <Message>	<Purchase> <Status>	What This Means	Next Step
SUCCESS	All products processed.	PENDING	Initial validation passed (XML format, partner credentials, ACCAM, dup check, etc.).	Allianz will attempt to charge the card (Asynchronous process).
SUCCESS	All products processed.	DUPLICATE	Field level validation success but order failed to be added because another Purchase was already processed with the same Partner Booking ID within 24 hours of the Purchase Date.	If true duplicate, no next step. If due to exception handling and purchase is necessary, Partner Booking ID needs to be updated to be unique, or the Purchase needs to be resent with a Purchase Date greater than 24 hours from the original.
FAILURE	Missing Data: Missing ACCAM	PENDING	Initial validation failed. ACCAM is missing.	Send ACCAM.
FAILURE	System Error: Invalid or missing partner information.	PENDING	Initial validation failed. Incorrect credentials – User ID and/or Password.	Correct User ID and/or Password.
FAILURE	Invalid Data: Invalid Product: "	PENDING	Initial validation failed. Product code is missing	Send product code that was returned in the quote response.
FAILURE	Invalid Data: Invalid Product: 'xxxxxxxx'	PENDING	Initial validation failed. Incorrect product code, or the product is not setup for the given ACCAM.	Correct the product code, or ACCAM.
FAILURE	Invalid Data: Invalid business unit.	PENDING	Initial validation failed. Incorrect Business Unit code.	Correct Business Unit code.
FAILURE	Failure while writing SendPurchases request to Access America database.	PENDING	Initial validation failed. Partner Booking ID is longer than 25 characters limit.	Adjust Partner Booking ID to be equal or less than 25 characters long.

FAILURE	Invalid Data: Invalid or Missing Billing Information	PENDING	Initial validation failed. Credit card information is not complete, (missing expiration date, CC type, etc.).	Send the missing billing information.
FAILURE	Invalid Data: Invalid Total Price	PENDING	Initial validation failed. <TotalPrice> element is missing, or 0 price is sent.	Send Total Price greater than 0.
FAILURE	Invalid Data: Invalid Total Price and Product Price	PENDING	Initial validation failed. <Price> element is missing, or 0 price is sent.	Send Price greater than 0.
FAILURE	Missing Data: Missing Owner or Insured	PENDING	Initial validation failed. Primary insured information is missing.	Send ticketholder's information in <Insured> object.
FAILURE	Invalid Data: Product has more than 1 primary Owner or Insured	PENDING	Initial validation failed. Only one insured with Type = PRIMARY is allowed.	Assign PRIMARY in one <insured> object only.
FAILURE	Invalid Data: Invalid Product Price: InvalidPrice=XX : ValidPrice=YY	PENDING	The purchase price does not equal the quoted price	