



EMV[®]

3-D Secure

Travel Industry Message Extension

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Introduction

This document describes the EMV Travel Industry Message Extension and how 3DS Servers can provide travel-related data to ACSs for use in risk-decisioning. Refer to the *EMV 3-D Secure Protocol and Core Functions Specification* for additional information about extensions.

The extension consists of the following sections of data:

- **Table 1: Travel Industry Message Extension Data Elements** contains the core elements in a standard EMV® 3DS message extension.
- **Table 2: Data** contains the elements specific to the travel industry.
- **Table 3: Data—Air Travel Data** contains the elements specific to air travel.
- **Table 4: Data—Air Travel Data—Airline Ticket Information** contains information about the purchase details of the airline ticket requested.
- **Table 5: Data—Air Travel Data—Itinerary Information** contains information about the itinerary.
- **Table 6: Data—Air Travel Data—Itinerary Information—Segments** contains information about each segment in the itinerary.
- **Table 7: Data—Car Rental Data** contains the elements specific to car rentals.
- **Table 8: Data—Car Rental Data—Company Information** contains information about the car rental company.
- **Table 9: Data—Car Rental Data—Reservation Information** contains information about the car rental reservation.
- **Table 10: Data—Car Rental Data—Reservation Information—Pick-Up Location** is the location where the car rental will be picked up.
- **Table 11: Data—Car Rental Data—Reservation Information—Return Location** is the location where the car rental will be returned.
- **Table 12: Data—Car Rental Data—Reservation Information—Cars** contains information about each car on the car rental reservation.
- **Table 13: Data—Hotel Data** contains the elements specific to hotels.
- **Table 14: Data—Hotel Data—Property Information** contains information about the hotel property.
- **Table 15: Data—Hotel Data—Reservation Information** contains information about the hotel reservation.
- **Table 16: Data—Hotel Data—Reservation Information—Rooms** contains information about each room on the hotel reservation.
- **Table 17: Data—Travellers** contains information about the travellers.

Travel Industry Message Extension Data Elements

Table 1: Travel Industry Message Extension Data Elements

Data Element/Field Name	Description	Source	Length/Format/Values	Inclusion
Assigned Extension Group Identifier Field Name: <code>id</code>	A unique identifier for the extension.	3DS Server	Length: 14 characters JSON Data Type: String Values accepted: <ul style="list-style-type: none">A000000802-002	AReq = R
Criticality Indicator Field Name: <code>criticalityIndicator</code>	A Boolean value indicating whether the recipient must understand the contents of the extension to interpret the entire message.	3DS Server	JSON Data Type: Boolean Value accepted: <ul style="list-style-type: none">False	AReq = R
Data Field Name: <code>data</code>	The data carried in the extension.	3DS Server	Length: Variable, maximum 8059 characters JSON Data Type: Object Values accepted: <ul style="list-style-type: none">Refer to Table 2 for data elements	AReq = R
Extension Name Field Name: <code>name</code>	The name of the extension data set as defined by the extension owner.	3DS Server	Length: 15 characters JSON Data Type: String Value accepted: <ul style="list-style-type: none">Travel Industry	AReq = R

Data

Table 2: Data

Data Element/Field Name	Description	Source	Length/Format/Values	Inclusion
Agency Indicator Field Name: <code>data.agencyIndicator</code>	Whether transaction is initiated by a travel agency on behalf of a consumer.	3DS Server	Length: 1 character JSON Data Type: String Values accepted: <ul style="list-style-type: none">Y = Yes Note: If the element is not provided, the expected action is for the ACS to interpret as N.	AReq = O
Air Travel Data Field Name: <code>data.air</code>	The data specific to air travel.	3DS Server	Length: Variable JSON Data Type: Object Values accepted: <ul style="list-style-type: none">Refer to Table 3 for data elements	AReq = O
Car Rental Data Field Name: <code>data.car</code>	The data specific to car rental reservations.	3DS Server	Length: Variable JSON Data Type: Object Values accepted: <ul style="list-style-type: none">Refer to Table 7 for data elements	AReq = O
Hotel Data Field Name: <code>data.hotel</code>	The data specific to hotel reservations.	3DS Server	Length: Variable JSON Data Type: Object Values accepted: <ul style="list-style-type: none">Refer to Table 13 for data elements	AReq = O

Data Element/Field Name	Description	Source	Length/Format/Values	Inclusion
Travellers Field Name: <code>data.travellers</code>	Information about the travellers on the itinerary.	3DS Server	Length: Variable JSON Data Type: Object Values accepted: <ul style="list-style-type: none">Refer to Table 17 for data elements	AReq = O
Version Number Field Name: <code>data.version</code>	Version number of the message extension.	3DS Server	Length: 3 characters JSON Data Type: String Values accepted: <ul style="list-style-type: none">2.0	AReq = R

Data—Air Travel Data

Table 3: Data—Air Travel Data

Data Element/Field Name	Description	Source	Length/Format/Values	Inclusion
Airline Ticket Information Field Name: data.air.airlineTicketInfo	Information about the airline ticket being purchased.	3DS Server	Length: Variable JSON Data Type: Object Values accepted: <ul style="list-style-type: none">Refer to Table 4 for data elements	AReq = O
Itinerary Information Field Name: data.air.itineraryInfo	Information about the flight itinerary. Note: The maximum number of air travel itineraries in a transaction is 1.	3DS Server	Length: Variable JSON Data Type: Object Values accepted: <ul style="list-style-type: none">Refer to Table 5 (and Table 6) for data elements	AReq = O

Data—Air Travel Data—Airline Ticket Information

Table 4: Data—Air Travel Data—Airline Ticket Information

Data Element/Field Name	Description	Source	Length/Format/Values	Inclusion
Currency Mismatch Indicator Field Name: <code>data.air.airlineTicketInfo.currencyMismatchIndicator</code>	Currency used in the authorisation may differ from the currency for the authentication.	3DS Server	Length: 1 character JSON Data Type: String Values accepted: <ul style="list-style-type: none"> Y = Yes Note: If the element is not provided, the expected action is for the ACS to interpret as N.	AReq = O
Ticket Amount Field Name: <code>data.air.airlineTicketInfo.ticketAmount</code>	Total amount of airline ticket(s) being purchased. For example, if two tickets are purchased at USD 250.00, the total ticket amount is USD 500.00. Note: If there are multiple items also being purchased with the airline ticket(s), then only the total amount of airline ticket(s) will be included.	3DS Server	Length: Variable, maximum 48 characters JSON Data Type: String Example: purchase amount is USD 123.45 Example values accepted: <ul style="list-style-type: none"> 12345 012345 0012345 	AReq = O
Ticket Count Field Name: <code>data.air.airlineTicketInfo.ticketCount</code>	Total count of airline ticket(s) being purchased.	3DS Server	Length: Variable, 1-2 characters; numeric JSON Data Type: String	AReq = O

Data Element/Field Name	Description	Source	Length/Format/Values	Inclusion
Ticket Currency Field Name: data.air.airlineTicketInfo.ticketCurrency	Currency in which ticket purchase amount is expressed.	3DS Server	Length: 3 characters; numeric JSON Data Type: String Values accepted: <ul style="list-style-type: none">ISO 4217 three-digit currency code, other than those listed in Table A.5 of the <i>EMV® 3-D Secure—Protocol and Core Functions Specification</i>	AReq = O

Data—Air Travel Data—Itinerary Information

Table 5: Data—Air Travel Data—Itinerary Information

Data Element/Field Name	Description	Source	Length/Format/Values	Inclusion
Flight Indicator Field Name: <code>data.air.itineraryInfo.flightIndicator</code>	Indicator representing the type of flight on the itinerary.	3DS Server	Length: 2 characters JSON Data Type: Object Values accepted: <ul style="list-style-type: none">• 01 = One-way• 02 = Round-trip• 03 = Multi-city• 04–99 = Reserved for future use	AReq = O
Segments Field Name: <code>data.air.itineraryInfo.segments</code>	Information about the flight segments on the itinerary.	3DS Server	Length: Variable JSON Data Type: Object Values accepted: <ul style="list-style-type: none">• Refer to Table 6 for data elements	AReq = O

Data—Air Travel Data—Itinerary Information—Segments

Table 6: Data—Air Travel Data—Itinerary Information—Segments

Data Element/Field Name	Description	Source	Length/Format/Values	Inclusion
Arrival Airport Field Name: data.air.itineraryInfo.segments.arrivalAirport	The arrival airport of the flight segment.	3DS Server	Length: 3 characters JSON Data Type: String Values accepted: <ul style="list-style-type: none"> Refer to IATA Coding Directory or IATA Airline and Location Codes 	AReq = O
Arrival Date Field Name: data.air.itineraryInfo.segments.arrivalDate	The arrival date of the flight segment, in the local time of the arrival airport.	3DS Server	Length: 8 characters; numeric JSON Data Type: String Must be of the format YYYYMMDD, where: <ul style="list-style-type: none"> YYYY = 4 numeric digits MM = 2 numeric digits with value 01–12 DD = 2 numeric digits with value 01–31 	AReq = O
Arrival Time Field Name: data.air.itineraryInfo.segments.arrivalTime	The arrival time of the flight segment, in the local time of the arrival airport.	3DS Server	Length: 4 characters; numeric JSON Data Type: String Must be in 24-hour format (HHMM), where: <ul style="list-style-type: none"> HH = 2 numeric digits with value 00–23 MM = 2 numeric digits with value 00–59 	AReq = O

Data Element/Field Name	Description	Source	Length/Format/Values	Inclusion
Departure Airport Field Name: data.air.itineraryInfo.segments.departureAirport	The departure airport of the flight segment.	3DS Server	Length: 3 characters JSON Data Type: String Values accepted: <ul style="list-style-type: none"> Refer to IATA Coding Directory or IATA Airline and Location Codes 	AReq = O
Departure Date Field Name: data.air.itineraryInfo.segments.departureDate	The departure date of the flight segment, in the local time of the departure airport.	3DS Server	Length: 8 characters; numeric JSON Data Type: String Must be of the format YYYYMMDD, where: <ul style="list-style-type: none"> YYYY = 4 numeric digits MM = 2 numeric digits with value 01–12 DD = 2 numeric digits with value 01–31 	AReq = O
Departure Time Field Name: data.air.itineraryInfo.segments.departureTime	The departure time of the flight segment, in the local time of the departure airport	3DS Server	Length: 4 characters; numeric JSON Data Type: String Must be in 24-hour format (HHMM), where: <ul style="list-style-type: none"> HH = 2 numeric digits with value 00–23 MM = 2 numeric digits with value 00–59 	AReq = O

Data Element/Field Name	Description	Source	Length/Format/Values	Inclusion
Operating Carrier Field Name: data.air.itineraryInfo.segments.operatingCarrier	The operating carrier (airline) of the flight segment.	3DS Server	Length: 2 characters JSON Data Type: String Values accepted: <ul style="list-style-type: none">Refer to IATA Coding Directory or IATA Airline and Location Codes	AReq = O

Data—Car Rental Data

Table 7: Data—Car Rental Data

Data Element/Field Name	Description	Source	Length/Format/Values	Inclusion
Car Rental Company Information Field Name: <code>data.car.companyInfo</code>	Information about the car rental company.	3DS Server	Length: Variable JSON Data Type: Object Values accepted: <ul style="list-style-type: none">Refer to Table 8 for data elements	AReq = O
Car Rental Reservation Information Field Name: <code>data.car.reservationInfo</code>	Information about the car rental reservation. Note: The maximum number of car rental reservations in a transaction is 1.	3DS Server	Length: Variable JSON Data Type: Object Values accepted: <ul style="list-style-type: none">Refer to Table 9 (and Table 10–Table 12) for data elements	AReq = O

Data—Car Rental Data—Company Information

Table 8: Data—Car Rental Data—Company Information

Data Element/Field Name	Description	Source	Length/Format/Values	Inclusion
Company Name Field Name: <code>data.car.companyInfo.name</code>	The name of the car rental company.	3DS Server	Length: Variable, maximum 50 characters JSON Data Type: String	AReq = O
Email Address Field Name: <code>data.car.companyInfo.email</code>	The email address of the car rental company.	3DS Server	Length: Variable, maximum 254 characters JSON Data Type: String Values accepted: <ul style="list-style-type: none">Shall meet requirements of Section 3.4 of IETF RFC 5322	AReq = O

Data Element/Field Name	Description	Source	Length/Format/Values	Inclusion
<p>Phone Number</p> <p>Field Name: data.car.companyInfo.phone</p>	The phone number of the car rental company.	3DS Server	<p>Length: Variable</p> <ul style="list-style-type: none"> cc: 1-3 characters subscriber: variable, maximum 15 characters <p>JSON Data Type: Object</p> <p>Values accepted:</p> <p>Country Code and Subscriber sections of the number represented by the following named fields:</p> <ul style="list-style-type: none"> cc subscriber <p>Refer to ITU-E.164 for additional information on format and length.</p> <p>Example:</p> <pre>"phone": { "cc": "1", "subscriber": "1234567890" }</pre>	AReq = O

Data—Car Rental Data—Reservation Information

Table 9: Data—Car Rental Data—Reservation Information

Data Element/Field Name	Description	Source	Length/Format/Values	Inclusion
Currency Mismatch Indicator Field Name: <code>data.car.reservationInfo.currencyMismatchIndicator</code>	Currency used in the authorisation may differ from the currency for the authentication.	3DS Server	Length: 1 character JSON Data Type: String Values accepted: <ul style="list-style-type: none">Y = Yes Note: If the element is not provided, the expected action is for the ACS to interpret as N.	AReq = O
Reservation Amount Field Name: <code>data.car.reservationInfo.amount</code>	Total amount of the car rental reservation being purchased.	3DS Server	Length: Variable, maximum 48 characters JSON Data Type: String Example: purchase amount is USD 123.45 Example values accepted: <ul style="list-style-type: none">123450123450012345	AReq = O

Data Element/Field Name	Description	Source	Length/Format/Values	Inclusion
Reservation Currency Field Name: data.car.reservationInfo.currency	Currency in which the car rental reservation purchase amount is expressed.	3DS Server	Length: 3 characters; numeric JSON Data Type: String Values accepted: <ul style="list-style-type: none"> ISO 4217 three-digit currency code, other than those listed in Table A.5 of the <i>EMV® 3-D Secure—Protocol and Core Functions Specification</i> 	AReq = O
Pick-Up Date Field Name: data.car.reservationInfo.pickUpDate	The pick-up date of the car rental reservation, in the local time of the pick-up location.	3DS Server	Length: 8 characters; numeric JSON Data Type: String Must be of the format YYYYMMDD, where: <ul style="list-style-type: none"> YYYY = 4 numeric digits MM = 2 numeric digits with value 01–12 DD = 2 numeric digits with value 01–31 	AReq = O
Pick-Up Time Field Name: data.car.reservationInfo.pickUpTime	The pick-up time of the car rental reservation, in the local time of the pick-up location.	3DS Server	Length: 4 characters; numeric JSON Data Type: String Must be in 24-hour format (HHMM), where: <ul style="list-style-type: none"> HH = 2 numeric digits with value 00–23 MM = 2 numeric digits with value 00–59 	AReq = O

Data Element/Field Name	Description	Source	Length/Format/Values	Inclusion
Pick-Up Location Field Name: data.car.reservationInfo. pickUpLocation	Information about the pick-up location on the car rental reservation.	3DS Server	Length: Variable JSON Data Type: Object Values accepted: Refer to Table 10 for data elements	AReq = O
Return Date Field Name: data.car.reservationInfo. returnDate	The return date of the car rental reservation, in the local time of the return location.	3DS Server	Length: 8 characters; numeric JSON Data Type: String Must be of the format YYYYMMDD, where: <ul style="list-style-type: none"> YYYY = 4 numeric digits MM = 2 numeric digits with value 01–12 DD = 2 numeric digits with value 01–31 	AReq = O
Return Time Field Name: data.car.reservationInfo. returnTime	The return time of the car rental reservation, in the local time of the return location.	3DS Server	Length: 4 characters; numeric JSON Data Type: String Must be in 24-hour format (HHMM), where: <ul style="list-style-type: none"> HH = 2 numeric digits with value 00–23 MM = 2 numeric digits with value 00–59 	AReq = O
Return Location Field Name: data.car.reservationInfo. returnLocation	Information about the return location on the car rental reservation.	3DS Server	Length: Variable JSON Data Type: Object Values accepted: <ul style="list-style-type: none"> Refer to Table 11 for data elements 	AReq = O

Data Element/Field Name	Description	Source	Length/Format/Values	Inclusion
Cars Field Name: <code>data.car.reservationInfo.cars</code>	Information about the car(s) on the car rental reservation.	3DS Server	Length: Variable JSON Data Type: Object Values accepted: Refer to Table 12 for data elements	AReq = O

Data—Car Rental Data—Reservation Information—Pick-Up Location

Table 10: Data—Car Rental Data—Reservation Information—Pick-Up Location

Data Element/Field Name	Description	Source	Length/Format/Values	Inclusion
Address Line 1 Field Name: data.car.reservationInfo. pickUpLocation.addrLine1	The first line of the address or equivalent local portion of the car rental pick-up location.	3DS Server	Length: Variable, maximum 50 characters JSON Data Type: String	AReq = O
Address Line 2 Field Name: data.car.reservationInfo. pickUpLocation.addrLine2	The second line of the address or equivalent local portion of the car rental pick-up location.	3DS Server	Length: Variable, maximum 50 characters JSON Data Type: String	AReq = O
Address Line 3 Field Name: data.car.reservationInfo. pickUpLocation.addrLine3	The third line of the address or equivalent local portion of the car rental pick-up location.	3DS Server	Length: Variable, maximum 50 characters JSON Data Type: String	AReq = O
Address City Field Name: data.car.reservationInfo. pickUpLocation.addrCity	The city of the address or equivalent local portion of the car rental pick-up location.	3DS Server	Length: Variable, maximum 50 characters JSON Data Type: String	AReq = O
Address State Field Name: data.car.reservationInfo. pickUpLocation.addrState	The state or province of the address or equivalent local portion of the car rental pick-up location.	3DS Server	Length: Variable, maximum 3 characters JSON Data Type: String Values accepted: <ul style="list-style-type: none"> Should be the country subdivision code defined in ISO 3166-2 	AReq = O

Data Element/Field Name	Description	Source	Length/Format/Values	Inclusion
Address Postal Code Field Name: data.car.reservationInfo. pickUpLocation.addrPostCode	The ZIP or other postal code of the address or equivalent local portion of the car rental pick-up location.	3DS Server	Length: Variable, maximum 16 characters JSON Data Type: String	AReq = O
Address Country Field Name: data.car.reservationInfo. pickUpLocation.addrCountry	The country of the address or equivalent local portion of the car rental pick-up location.	3DS Server	Length: 3 characters JSON Data Type: String Values accepted: <ul style="list-style-type: none"> ISO 3166-1 three-digit country code, other than those listed in Table A.5 of the <i>EMV® 3-D Secure—Protocol and Core Functions Specification</i> 	AReq = O

Data—Car Rental Data—Reservation Information—Return Location

Table 11: Data—Car Rental Data—Reservation Information—Return Location

Data Element/Field Name	Description	Source	Length/Format/Values	Inclusion
Address Line 1 Field Name: data.car.reservationInfo. returnLocation.addrLine1	The first line of the address or equivalent local portion of the car rental return location.	3DS Server	Length: Variable, maximum 50 characters JSON Data Type: String	AReq = O
Address Line 2 Field Name: data.car.reservationInfo. returnLocation.addrLine2	The second line of the address or equivalent local portion of the car rental return location.	3DS Server	Length: Variable, maximum 50 characters JSON Data Type: String	AReq = O
Address Line 3 Field Name: data.car.reservationInfo. returnLocation.addrLine3	The third line of the address or equivalent local portion of the car rental return location.	3DS Server	Length: Variable, maximum 50 characters JSON Data Type: String	AReq = O
Address City Field Name: data.car.reservationInfo. returnLocation.addrCity	The city of the address or equivalent local portion of the car rental return location.	3DS Server	Length: Variable, maximum 50 characters JSON Data Type: String	AReq = O
Address State Field Name: data.car.reservationInfo. returnLocation.addrState	The state or province of the address or equivalent local portion of the car rental return location.	3DS Server	Length: Variable, maximum 3 characters JSON Data Type: String Values accepted: <ul style="list-style-type: none"> Should be the country subdivision code defined in ISO 3166-2 	AReq = O

Data Element/Field Name	Description	Source	Length/Format/Values	Inclusion
Address Postal Code Field Name: data.car.reservationInfo. returnLocation.addrPostCo de	The ZIP or other postal code of the address or equivalent local portion of the car rental return location.	3DS Server	Length: Variable, maximum 16 characters JSON Data Type: String	AReq = O
Address Country Field Name: data.car.reservationInfo. returnLocation.addrCountr y	The country of the address or equivalent local portion of the car rental return location.	3DS Server	Length: 3 characters JSON Data Type: String Values accepted: <ul style="list-style-type: none"> ISO 3166-1 three-digit country code, other than those listed in Table A.5 of the <i>EMV® 3-D Secure—Protocol and Core Functions Specification</i> 	AReq = O

Data—Car Rental Data—Reservation Information—Cars

Table 12: Data—Car Rental Data—Reservation Information—Cars

Data Element/Field Name	Description	Source	Length/Format/Values	Inclusion
Car Rental Type Field Name: <code>data.car.reservationInfo.cars.carRentalType</code>	The type of car in the car rental.	3DS Server	Length: 2 characters JSON Data Type: Object Values accepted: <ul style="list-style-type: none">01 = TBD02 = TBD03 = TBD04 = TBD05–99 = Reserved for future use	AReq = O
Car Rental Insurance Type Field Name: <code>data.car.reservationInfo.cars.carRentalInsuranceType</code>	The type of car insurance in the car rental.	3DS Server	Length: 2 characters JSON Data Type: Object Values accepted: <ul style="list-style-type: none">01 = TBD02 = TBD03 = TBD04 = TBD05–99 = Reserved for future use	AReq = O

Data—Hotel Data

Table 13: Data—Hotel Data

Data Element/Field Name	Description	Source	Length/Format/Values	Inclusion
Hotel Property Information Field Name: <code>data.hotel.propertyInfo</code>	Information about the hotel property.	3DS Server	Length: Variable JSON Data Type: Object Values accepted: <ul style="list-style-type: none">Refer to Table 14 for data elements	AReq = O
Hotel Reservation Information Field Name: <code>data.hotel.reservationInfo</code>	Information about the hotel reservation. Note: The maximum number of hotel reservations in a transaction is 1.	3DS Server	Length: Variable JSON Data Type: Object Values accepted: <ul style="list-style-type: none">Refer to Table 15 (and Table 16) for data elements	AReq = O

Data—Hotel Data—Property Information

Table 14: Data—Hotel Data—Property Information

Data Element/Field Name	Description	Source	Length/Format/Values	Inclusion
Hotel Name Field Name: data.hotel.propertyInfo.name	The name of the hotel property.	3DS Server	Length: Variable, maximum 50 characters JSON Data Type: String	AReq = O
Chain Code Field Name: data.hotel.propertyInfo.chainCode	The chain code of the hotel property.	3DS Server	Length: TBD JSON Data Type: String	AReq = O
Property Code Field Name: data.hotel.propertyInfo.propertyCode	The property code of the hotel property.	3DS Server	Length: TBD JSON Data Type: String	AReq = O
Reference Code Field Name: data.hotel.propertyInfo.referenceCode	The reference code of the hotel property.	3DS Server	Length: TBD JSON Data Type: String	AReq = O
Address Line 1 Field Name: data.hotel.propertyInfo.addressLine1	The first line of the address or equivalent local portion of the hotel property.	3DS Server	Length: Variable, maximum 50 characters JSON Data Type: String	AReq = O

Data Element/Field Name	Description	Source	Length/Format/Values	Inclusion
Address Line 2 Field Name: data.hotel.propertyInfo.a ddrLine2	The second line of the address or equivalent local portion of the hotel property.	3DS Server	Length: Variable, maximum 50 characters JSON Data Type: String	AReq = O
Address Line 3 Field Name: data.hotel.propertyInfo.a ddrLine3	The third line of the address or equivalent local portion of the hotel property.	3DS Server	Length: Variable, maximum 50 characters JSON Data Type: String	AReq = O
Address City Field Name: data.hotel.propertyInfo.a ddrCity	The city of the address or equivalent local portion of the hotel property.	3DS Server	Length: Variable, maximum 50 characters JSON Data Type: String	AReq = O
Address State Field Name: data.hotel.propertyInfo.a ddrState	The state or province of the address or equivalent local portion of the hotel property.	3DS Server	Length: Variable, maximum 3 characters JSON Data Type: String Values accepted: <ul style="list-style-type: none"> Should be the country subdivision code defined in ISO 3166-2 	AReq = O
Address Postal Code Field Name: data.hotel.propertyInfo.a ddrPostCode	The ZIP or other postal code of the address or equivalent local portion of the hotel property.	3DS Server	Length: Variable, maximum 16 characters JSON Data Type: String	AReq = O

Data Element/Field Name	Description	Source	Length/Format/Values	Inclusion
Address Country Field Name: data.hotel.propertyInfo.addressCountry	The country of the address or equivalent local portion of the hotel property.	3DS Server	Length: 3 characters JSON Data Type: String Values accepted: <ul style="list-style-type: none">ISO 3166-1 three-digit country code, other than those listed in Table A.5 of the <i>EMV® 3-D Secure—Protocol and Core Functions Specification</i>	AReq = O
Email Address Field Name: data.hotel.propertyInfo.email	The email address of the hotel property.	3DS Server	Length: Variable, maximum 254 characters JSON Data Type: String Values accepted: <ul style="list-style-type: none">Shall meet requirements of Section 3.4 of IETF RFC 5322	AReq = O

Data Element/Field Name	Description	Source	Length/Format/Values	Inclusion
<p>Phone Number</p> <p>Field Name: data.hotel.propertyInfo.phone</p>	<p>The phone number of the hotel property.</p>	<p>3DS Server</p>	<p>Length: Variable</p> <ul style="list-style-type: none"> cc: 1-3 characters subscriber: variable, maximum 15 characters <p>JSON Data Type: Object</p> <p>Values accepted:</p> <p>Country Code and Subscriber sections of the number represented by the following named fields:</p> <ul style="list-style-type: none"> cc subscriber <p>Refer to ITU-E.164 for additional information on format and length.</p> <p>Example:</p> <pre>"phone": { "cc": "1", "subscriber": "1234567890" }</pre>	<p>AReq = O</p>

Data—Hotel Data—Reservation Information

Table 15: Data—Hotel Data—Reservation Information

Data Element/Field Name	Description	Source	Length/Format/Values	Inclusion
Currency Mismatch Indicator Field Name: <code>data.hotel.reservationInfo.currencyMismatchIndicator</code>	Currency used in the authorisation may differ from the currency for the authentication.	3DS Server	Length: 1 character JSON Data Type: String Values accepted: <ul style="list-style-type: none"> Y = Yes Note: If the element is not provided, the expected action is for the ACS to interpret as N.	AReq = O
Reservation Amount Field Name: <code>data.hotel.reservationInfo.amount</code>	Total amount of the hotel reservation being purchased.	3DS Server	Length: Variable, maximum 48 characters JSON Data Type: String Example: purchase amount is USD 123.45 Example values accepted: <ul style="list-style-type: none"> 12345 012345 0012345 	AReq = O

Data Element/Field Name	Description	Source	Length/Format/Values	Inclusion
Reservation Currency Field Name: data.hotel.reservationInfo.currency	Currency in which the hotel reservation purchase amount is expressed.	3DS Server	Length: 3 characters; numeric JSON Data Type: String Values accepted: <ul style="list-style-type: none"> ISO 4217 three-digit currency code, other than those listed in Table A.5 of the <i>EMV® 3-D Secure—Protocol and Core Functions Specification</i> 	AReq = O
Check-In Date Field Name: data.hotel.reservationInfo.checkInDate	The check-in date of the hotel reservation, in the local time of the hotel.	3DS Server	Length: 8 characters; numeric JSON Data Type: String Must be of the format YYYYMMDD, where: <ul style="list-style-type: none"> YYYY = 4 numeric digits MM = 2 numeric digits with value 01–12 DD = 2 numeric digits with value 01–31 	AReq = O
Check-In Time Field Name: data.hotel.reservationInfo.checkInTime	The check-in time of the hotel reservation, in the local time of the hotel.	3DS Server	Length: 4 characters; numeric JSON Data Type: String Must be in 24-hour format (HHMM), where: <ul style="list-style-type: none"> HH = 2 numeric digits with value 00–23 MM = 2 numeric digits with value 00–59 	AReq = O

Data Element/Field Name	Description	Source	Length/Format/Values	Inclusion
Check-Out Date Field Name: <code>data.hotel.reservationInfo.checkOutDate</code>	The check-out date of the hotel reservation, in the local time of the hotel.	3DS Server	Length: 8 characters; numeric JSON Data Type: String Must be of the format YYYYMMDD, where: <ul style="list-style-type: none"> YYYY = 4 numeric digits MM = 2 numeric digits with value 01–12 DD = 2 numeric digits with value 01–31 	AReq = O
Check-Out Time Field Name: <code>data.hotel.reservationInfo.checkOutTime</code>	The check-in time of the hotel reservation, in the local time of the hotel.	3DS Server	Length: 4 characters; numeric JSON Data Type: String Must be in 24-hour format (HHMM), where: <ul style="list-style-type: none"> HH = 2 numeric digits with value 00–23 MM = 2 numeric digits with value 00–59 	AReq = O
Rooms Field Name: <code>data.hotel.reservationInfo.rooms</code>	Information about the room(s) on the hotel reservation.	3DS Server	Length: Variable JSON Data Type: Object Values accepted: <ul style="list-style-type: none"> Refer to Table 16 for data elements 	AReq = O

Data—Hotel Data—Reservation Information—Rooms

Table 16: Data—Hotel Data—Reservation Information—Rooms

Data Element/Field Name	Description	Source	Length/Format/Values	Inclusion
Bed Type Field Name: <code>data.hotel.reservationInfo.rooms.bedType</code>	The type of bed(s) in the hotel room.	3DS Server	Length: 2 characters JSON Data Type: Object Values accepted: <ul style="list-style-type: none">• 01 = King• 02 = Double/Queen• 03 = Twin• 04 = Other• 05–99 = Reserved for future use	AReq = O
Room Occupancy Field Name: <code>data.hotel.reservationInfo.rooms.roomOccupancy</code>	The number of guests occupying the hotel room.	3DS Server	Length: Variable, 1-2 characters; numeric JSON Data Type: String	AReq = O

Data Element/Field Name	Description	Source	Length/Format/Values	Inclusion
Room Type Field Name: data.hotel.reservationInfo.rooms.roomType	The type of hotel room.	3DS Server	Length: 2 characters JSON Data Type: Object Values accepted: <ul style="list-style-type: none"> 01 = Single 02 = Double 03 = Triple 04 = Quad 05 = King 06 = Double-double 07 = Twin 08 = Studio 09 = Master Suite 10 = Mini-Suite/Junior Suite 11 = Other 12–99 = Reserved for future use 	AReq = O

Data—Travellers

Table 17: Data—Travellers

Data Element/Field Name	Description	Source	Length/Format/Values	Inclusion
Airline Loyalty Status Field Name: data.travellers.airlineLoyaltyStatus	Airline loyalty program level for the traveller on the airline itinerary.	3DS Server	Length: 2 characters Values accepted: <ul style="list-style-type: none"> 01 = None 02 = Enrolled 03 = Status (includes all tiers above enrolled status) 04–99 = Reserved for future use 	AReq = O
Airline Passenger Indicator Field Name: data.travellers.airlinePassengerIndicator	Whether traveller is a passenger in the airline itinerary.	3DS Server	Length: 1 character JSON Data Type: String Values accepted: <ul style="list-style-type: none"> Y = Yes Note: If the element is not provided, the expected action is for the ACS to interpret as N.	AReq = O
Car Rental Driver Indicator Field Name: data.travellers.carRentalDriverIndicator	Whether traveller is a driver in the car rental reservation.	3DS Server	Length: 1 character JSON Data Type: String Values accepted: <ul style="list-style-type: none"> Y = Yes Note: If the element is not provided, the expected action is for the ACS to interpret as N.	AReq = O

Data Element/Field Name	Description	Source	Length/Format/Values	Inclusion
Car Rental Loyalty Status Field Name: data.travellers.carRentalLoyaltyStatus	Car rental loyalty program level for the traveller on the car reservation.	3DS Server	Length: 2 characters Values accepted: <ul style="list-style-type: none"> 01 = None 02 = Enrolled 03 = Status (includes all tiers above enrolled status) 04–99 = Reserved for future use 	AReq = O
Hotel Guest Indicator Field Name: data.travellers.hotelGuestIndicator	Whether traveller is a guest in the hotel reservation.	3DS Server	Length: 1 character JSON Data Type: String Values accepted: <ul style="list-style-type: none"> Y = Yes Note: If the element is not provided, the expected action is for the ACS to interpret as N.	AReq = O
Hotel Loyalty Status Field Name: data.travellers.hotelLoyaltyStatus	Hotel loyalty program level for the traveller on the hotel reservation.	3DS Server	Length: 2 characters Values accepted: <ul style="list-style-type: none"> 01 = None 02 = Enrolled 03 = Status (includes all tiers above enrolled status) 04–99 = Reserved for future use 	AReq = O
Traveller Name Field Name: data.travellers.name	Name of traveller on the itinerary.	3DS Server	Length: Variable, 1–45 characters JSON Data Type: String	AReq = O

Data Element/Field Name	Description	Source	Length/Format/Values	Inclusion
Traveller Type Field Name: data.travellers.type	Type of traveller on the itinerary.	3DS Server	Length: 3 characters JSON Array of Strings Values accepted: <ul style="list-style-type: none">• ADT = Adult• CHD = Child• INF = Infant	AReq = O

Message Format

Table 18: AReq Message Extension Data Elements

Data Element	Field Name
Assigned Extension Group Identifier	id
Criticality Indicator	criticalityIndicator
Extension Name	name
Data	data
Agency Indicator	data.agencyIndicator
Air Travel Data	data.air
Air – Airline Ticket Information	data.air.airlineTicketInfo
Air – Airline Ticket Information – Currency Mismatch Indicator	data.air.airlineTicketInfo.currencyMismatchIndicator
Air – Airline Ticket Information – Ticket Amount	data.air.airlineTicketInfo.ticketAmount
Air – Airline Ticket Information – Ticket Count	data.air.airlineTicketInfo.ticketCount
Air – Airline Ticket Information – Ticket Currency	data.air.airlineTicketInfo.ticketCurrency
Air – Itinerary Information	data.air.itineraryInfo
Air – Itinerary Information – Flight Indicator	data.air.itineraryInfo.flightIndicator
Air – Itinerary Information – Segments	data.air.itineraryInfo.segments
Air – Itinerary Information – Segments – Arrival Airport	data.air.itineraryInfo.segments.arrivalAirport
Air – Itinerary Information – Segments – Arrival Date	data.air.itineraryInfo.segments.arrivalDate
Air – Itinerary Information – Segments – Arrival Time	data.air.itineraryInfo.segments.arrivalTime
Air – Itinerary Information – Segments – Departure Airport	data.air.itineraryInfo.segments.departureAirport
Air – Itinerary Information – Segments – Departure Date	data.air.itineraryInfo.segments.departureDate

Data Element	Field Name
Air – Itinerary Information – Segments – Departure Time	<code>data.air.itineraryInfo.segments.departureTime</code>
Air – Itinerary Information – Segments – Operating Carrier	<code>data.air.itineraryInfo.segments.operatingCarrier</code>
Car Rental Data	<code>data.car</code>
Car Rental – Company Information	<code>data.car.companyInfo</code>
Car Rental – Company Information – Company Name	<code>data.car.companyInfo.name</code>
Car Rental – Company Information – Email Address	<code>data.car.companyInfo.email</code>
Car Rental – Company Information – Phone Number	<code>data.car.companyInfo.phone</code>
Car Rental – Reservation Information	<code>data.car.reservationInfo</code>
Car Rental – Reservation Information – Currency Mismatch Indicator	<code>data.car.reservationInfo.currencyMismatchIndicator</code>
Car Rental – Reservation Information – Reservation Amount	<code>data.car.reservationInfo.amount</code>
Car Rental – Reservation Information – Reservation Currency	<code>data.car.reservationInfo.currency</code>
Car Rental – Reservation Information – Pick-Up Date	<code>data.car.reservationInfo.pickUpDate</code>
Car Rental – Reservation Information – Pick-Up Time	<code>data.car.reservationInfo.pickUpTime</code>
Car Rental – Reservation Information – Pick-Up Location	<code>data.car.reservationInfo.pickUpLocation</code>
Car Rental – Reservation Information – Pick-Up Location – Address Line 1	<code>data.car.reservationInfo.pickUpLocation.addrLine1</code>
Car Rental – Reservation Information – Pick-Up Location – Address Line 2	<code>data.car.reservationInfo.pickUpLocation.addrLine2</code>
Car Rental – Reservation Information – Pick-Up Location – Address Line 3	<code>data.car.reservationInfo.pickUpLocation.addrLine3</code>
Car Rental – Reservation Information – Pick-Up Location – Address City	<code>data.car.reservationInfo.pickUpLocation.addrCity</code>
Car Rental – Reservation Information – Pick-Up Location – Address State	<code>data.car.reservationInfo.pickUpLocation.addrState</code>

Data Element	Field Name
Car Rental – Reservation Information – Pick-Up Location – Address Postal Code	<code>data.car.reservationInfo.pickUpLocation.addrPostCode</code>
Car Rental – Reservation Information – Pick-Up Location – Address Country	<code>data.car.reservationInfo.pickUpLocation.addrCountry</code>
Car Rental – Reservation Information – Return Date	<code>data.car.reservationInfo.returnDate</code>
Car Rental – Reservation Information – Return Time	<code>data.car.reservationInfo.returnTime</code>
Car Rental – Reservation Information – Return Location	<code>data.car.reservationInfo.returnLocation</code>
Car Rental – Reservation Information – Return Location – Address Line 1	<code>data.car.reservationInfo.returnLocation.addrLine1</code>
Car Rental – Reservation Information – Return Location – Address Line 2	<code>data.car.reservationInfo.returnLocation.addrLine2</code>
Car Rental – Reservation Information – Return Location – Address Line 3	<code>data.car.reservationInfo.returnLocation.addrLine3</code>
Car Rental – Reservation Information – Return Location – Address City	<code>data.car.reservationInfo.returnLocation.addrCity</code>
Car Rental – Reservation Information – Return Location – Address State	<code>data.car.reservationInfo.returnLocation.addrState</code>
Car Rental – Reservation Information – Return Location – Address Postal Code	<code>data.car.reservationInfo.returnLocation.addrPostCode</code>
Car Rental – Reservation Information – Return Location – Address Country	<code>data.car.reservationInfo.returnLocation.addrCountry</code>
Car Rental – Reservation Information – Cars	<code>data.car.reservationInfo.cars</code>
Car Rental – Reservation Information – Cars – Car Rental Type	<code>data.car.reservationInfo.cars.carRentalType</code>
Car Rental – Reservation Information – Cars – Car Rental Insurance Type	<code>data.car.reservationInfo.cars.carRentalInsuranceType</code>
Hotel Data	<code>data.hotel</code>
Hotel – Property Information	<code>data.hotel.propertyInfo</code>
Hotel – Property Information – Hotel Name	<code>data.hotel.propertyInfo.name</code>
Hotel – Property Information – Chain Code	<code>data.hotel.propertyInfo.chainCode</code>

Data Element	Field Name
Hotel – Property Information – Property Code	<code>data.hotel.propertyInfo.propertyCode</code>
Hotel – Property Information – Reference Code	<code>data.hotel.propertyInfo.referenceCode</code>
Hotel – Property Information – Address Line 1	<code>data.hotel.propertyInfo.addrLine1</code>
Hotel – Property Information – Address Line 2	<code>data.hotel.propertyInfo.addrLine2</code>
Hotel – Property Information – Address Line 3	<code>data.hotel.propertyInfo.addrLine3</code>
Hotel – Property Information – Address City	<code>data.hotel.propertyInfo.addrCity</code>
Hotel – Property Information – Address State	<code>data.hotel.propertyInfo.addrState</code>
Hotel – Property Information – Address Postal Code	<code>data.hotel.propertyInfo.addrPostCode</code>
Hotel – Property Information – Address Country	<code>data.hotel.propertyInfo.addrCountry</code>
Hotel – Property Information – Email Address	<code>data.hotel.propertyInfo.email</code>
Hotel – Property Information – Phone Number	<code>data.hotel.propertyInfo.phone</code>
Hotel – Reservation Information	<code>data.hotel.reservationInfo</code>
Hotel – Reservation Information – Currency Mismatch Indicator	<code>data.hotel.reservationInfo.currencyMismatchIndicator</code>
Hotel – Reservation Information – Reservation Amount	<code>data.hotel.reservationInfo.amount</code>
Hotel – Reservation Information – Reservation Currency	<code>data.hotel.reservationInfo.currency</code>
Hotel – Reservation Information – Check-In Date	<code>data.hotel.reservationInfo.checkInDate</code>
Hotel – Reservation Information – Check-In Time	<code>data.hotel.reservationInfo.checkInTime</code>
Hotel – Reservation Information – Check-Out Date	<code>data.hotel.reservationInfo.checkOutDate</code>

Data Element	Field Name
Hotel – Reservation Information – Check-Out Time	data.hotel.reservationInfo.checkOutTime
Hotel – Reservation Information – Rooms	data.hotel.reservationInfo.rooms
Hotel – Reservation Information – Rooms – Bed Type	data.hotel.reservationInfo.rooms.bedType
Hotel – Reservation Information – Rooms – Room Occupancy	data.hotel.reservationInfo.rooms.roomOccupancy
Hotel – Reservation Information – Rooms – Room Type	data.hotel.reservationInfo.rooms.roomType
Travellers	data.travellers
Travellers – Airline Loyalty Status	data.travellers.airlineLoyaltyStatus
Travellers – Airline Passenger Indicator	data.travellers.airlinePassengerIndicator
Travellers – Car Rental Driver Indicator	data.travellers.carRentalDriverIndicator
Travellers – Car Rental Loyalty Status	data.travellers.carRentalLoyaltyStatus
Travellers – Hotel Guest Indicator	data.travellers.hotelGuestIndicator
Travellers – Hotel Loyalty Status	data.travellers.hotelLoyaltyStatus
Travellers – Name	data.travellers.name
Travellers – Type	data.travellers.type
Version Number	data.version

Sample Travel Industry Message Extension

This is a sample extension that may be included in the AReq message by the 3DS Server. The ACS may consume this additional information as part of its risk evaluation process.

```
{ "messageExtension": [{
  "name": "Travel Industry",
  "id": "A000000802-002",
  "criticalityIndicator": false,
  "data": {
    "agencyIndicator": "Y",
    "air": {
      "airlineTicketInfo": {
        "currencyMismatchIndicator": "Y",
        "ticketAmount": "75000",
        "ticketCount": "03",
        "ticketCurrency": "123"
      },
      "itineraryInfo": {
        "flightIndicator": "01",
        "segments": [
          {
            "departureAirport": "NCE",
            "departureDate": "20200415",
            "departureTime": "0930",
            "arrivalAirport": "CDG",
            "arrivalDate": "20200415",
            "arrivalTime": "1030",
            "operatingCarrier": "7S"
          },
          {
            "departureAirport": "CDG",
            "departureDate": "20200415",
            "departureTime": "1130",
            "arrivalAirport": "LHR",
            "arrivalDate": "20200415",
            "arrivalTime": "1150",
            "operatingCarrier": "7S"
          }
        ]
      }
    },
    "car": {
      "companyInfo": {
        "name": "ABC Car Hire",
        "email": "email@emailaddress.com",
        "phone": {
          "cc": "44",
          "subscriber": "2087654321"
        }
      },
      "reservationInfo": {
        "currencyMismatchIndicator": "Y",
        "amount": "10000",
        "currency": "123",
        "pickUpDate": "20200415",
        "pickUpTime": "1300",
        "pickUpLocation": {
          "addrLine1": "123 Airport Road",
          "addrCity": "Longford",
          "addrPostCode": "TW61AP",

```

```
        "addrCountry": "826"
      },
      "returnDate": "20200416",
      "returnTime": "1230",
      "returnLocation": {
        "addrLine1": "123 Airport Road",
        "addrCity": "Longford",
        "addrPostCode": "TW61AP",
        "addrCountry": "826"
      },
      "cars": [
        {
          "carRentalType": "01",
          "carRentalInsuranceType": "01"
        }
      ]
    },
    "hotel": {
      "propertyInfo": {
        "name": "EMV London Hotel",
        "chainCode": "CHAIN123",
        "propertyCode": "EMVLH",
        "referenceCode": "REF123",
        "addrLine1": "3 Domain Street",
        "addrLine2": "Suite 100",
        "addrCity": "London",
        "addrPostCode": "SE10UG",
        "addrCountry": "826",
        "email": "email@emailaddress.com",
        "phone": {
          "cc": "44",
          "subscriber": "2012345678"
        }
      }
    },
    "reservationInfo": {
      "currencyMismatchIndicator": "Y",
      "amount": "30000",
      "currency": "123",
      "checkInDate": "20200415",
      "checkInTime": "1500",
      "checkOutDate": "20200416",
      "checkOutTime": "1100",
      "rooms": [
        {
          "bedType": "01",
          "roomOccupancy": "2",
          "roomType": "05"
        }
      ]
    }
  },
  "travellers": [
    {
      "airlineLoyaltyStatus": "03",
      "airlinePassengerIndicator": "Y",
      "carRentalDriverIndicator": "Y",
      "carRentalLoyaltyStatus": "02",
      "hotelGuestIndicator": "Y",
      "hotelLoyaltyStatus": "03",
      "name": "John Smith",
      "type": "ADT"
    },
    {
      "airlineLoyaltyStatus": "02",
```

```
        "airlinePassengerIndicator": "Y",
        "carRentalDriverIndicator": "N",
        "carRentalLoyaltyStatus": "01",
        "hotelGuestIndicator": "Y",
        "hotelLoyaltyStatus": "01",
        "name": "Jane Smith",
        "type": "ADT"
    },
    "version": "2.0"
}
}]
}
```