



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: data.agencyIndicator	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: data.air	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: data.car	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: data.hotel	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: data.travellers	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: data.version	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: data.air.airlineTicketInfo.currencyMismatchIndicator	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: data.air.airlineTicketInfo.ticketAmount	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: data.air.airlineTicketInfo.ticketCount	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: data.air.itineraryInfo.flightIndicator	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: data.air.itineraryInfo.segments	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: data.car.companyInfo	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: data.car.reservationInfo	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: data.car.companyInfo.name	The name of the car rental company.	3DS Server	Length: Variable, maximum 50 characters JSON Data Type: String	AReq = O
Email Address Field Name: data.car.companyInfo.emai l	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
Phone Number Field Name: data.car.companyInfo.phone	The phone number of the car rental company.	3DS Server	Length: Variable <ul style="list-style-type: none">• cc: 1-3 characters• subscriber: variable, maximum 15 characters <p>JSON Data Type: Object Values accepted: 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: data.car.reservationInfo.currencyMismatchIndicator	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: data.car.reservationInfo.amount	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">• 12345• 012345• 0012345	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: data.car.reservationInfo.cars	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.addrPostCo de	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.addrCountr y	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: data.car.reservationInfo. cars.carRentalType	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 = TBD• 02 = TBD• 03 = TBD• 04 = TBD• 05–99 = Reserved for future use	AReq = O
Car Rental Insurance Type Field Name: data.car.reservationInfo. cars.carRentalInsuranceTy pe	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 = TBD• 02 = TBD• 03 = TBD• 04 = TBD• 05–99 = 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: data.hotel.propertyInfo	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: data.hotel.reservationInfo	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.addrLine1	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.a ddrCountry	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.e mail	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
Phone Number Field Name: data.hotel.propertyInfo.phone	The phone number of the hotel property.	3DS Server	Length: Variable <ul style="list-style-type: none">• cc: 1-3 characters• subscriber: variable, maximum 15 characters JSON Data Type: Object Values accepted: Country Code and Subscriber sections of the number represented by the following named fields: <ul style="list-style-type: none">• cc• subscriber Refer to ITU-E.164 for additional information on format and length. Example: <pre>"phone": { "cc": "1", "subscriber": "1234567890" }</pre>	AReq = O

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

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

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

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"
}
}
```