

Worldspan D.I.R. Vendor Availability Message with Multiple Merchant Rate Options

Developer Advisory Number:	511												
Version:	01												
Load To Production:	Available Now												
High Level Description:	<p>Vehicle rental suppliers require specific credentials in the vehicle availability request for merchant rates. There is no industry standard defined for this process; it is unique to each vehicle rental supplier. One supplier may require a specific rate code; another supplier may require a unique corporate discount number. This message enhancement allows one message to be submitted with the ability to include up to ten (10) vehicle suppliers and associated credentials per message to reduce the number of messages that must be sent to the system for processing. The current Worldspan D.I.R. Vendor Availability request (VAQ) message was updated with a new "Requested Rate Data" (VAQ.RRDA.RRD) structure for the customer to specify a Vendor Code, Location Data, Rate Code, Corporate Discount, Customer ID, Inclusive Tour and Coupon Number to the car supplier to process in one request message where in the past they were restricted to a single request per vendor code.</p>												
Impact Summary:	<p>Worldspan D.I.R. Vendor Availability Request (VAQ) message customers must develop according to this document in order to apply up to ten (10) multiple "Requested Rate Data" (VAQ.RRDA.RRD) structures with specific options in a single request message.</p> <p>No change to current Vendor Availability Response (VA) message with this enhancement.</p>												
Reason For Issue:	First Notification												
Customer Impact:	<table border="0"> <tr> <td><input type="checkbox"/></td> <td>Internal Only</td> <td><input checked="" type="checkbox"/></td> <td>Developers</td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td>Agency Customers</td> <td><input type="checkbox"/></td> <td>Airline Customers</td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td>eCommerce Customers</td> <td><input checked="" type="checkbox"/></td> <td>Car, Hotel, Rail or Cruise Customers</td> </tr> </table>	<input type="checkbox"/>	Internal Only	<input checked="" type="checkbox"/>	Developers	<input checked="" type="checkbox"/>	Agency Customers	<input type="checkbox"/>	Airline Customers	<input checked="" type="checkbox"/>	eCommerce Customers	<input checked="" type="checkbox"/>	Car, Hotel, Rail or Cruise Customers
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System:	<table border="0"> <tr> <td><input type="checkbox"/></td> <td>Galileo</td> <td><input type="checkbox"/></td> <td>ACH</td> </tr> <tr> <td><input type="checkbox"/></td> <td>Apollo</td> <td><input type="checkbox"/></td> <td>RCH</td> </tr> </table>	<input type="checkbox"/>	Galileo	<input type="checkbox"/>	ACH	<input type="checkbox"/>	Apollo	<input type="checkbox"/>	RCH				
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Web Services: (API and Messaging)	Web Service / API must develop Worldspan D.I.R. Vendor Availability Request (VAQ) message according to this document in order to apply up to ten (10) multiple "Requested Rate Data" (VAQ.RRDA.RRD) structures with specific options in a single request message. No change to current Vendor Availability Response (VA) message with this enhancement.
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Issue History:	Version 01
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Overview

Vehicle rental suppliers require specific credentials in the vehicle availability request for merchant rates. There is no industry standard defined for this process; it is unique to each rental vehicle supplier of what they require and process. One rental vehicle supplier may require a specific rate code; another supplier may require a unique corporate discount number.

This message enhancement allows one message to be submitted with the ability to include as many suppliers and associated credentials as possible per message to reduce the number of messages that must be sent to the system for processing.

The current Worldspan D.I.R. Vendor Availability request (VAQ) message was updated with a new “Requested Rate Data” (VAQ.RRDA.RRD) array for the customer to specify multiple Vendor Code, Location Data, Rate Code, Corporate Discount, Customer ID, Inclusive Tour and Coupon Number to the car supplier to process in one request message where in the past they were restricted to a single request.

A system limitation of ten (10) “Requested Rate Data Array” (VAQ.RRDA.RRD) items may be submitted in a single request.

The Worldspan D.I.R. Vendor Availability Request (VAQ) Message has been enhanced to contain a new “Requested Rate Data Array” (VAQ.RRDA.RRD). This array contains the following data options for the customer to apply to a single request message:

- Vendor Code
- Location Data
- Rate Code
- Corporate Discount
- Customer Identification
- Inclusive Tour
- Coupon Identifier/Number

Customer Benefit

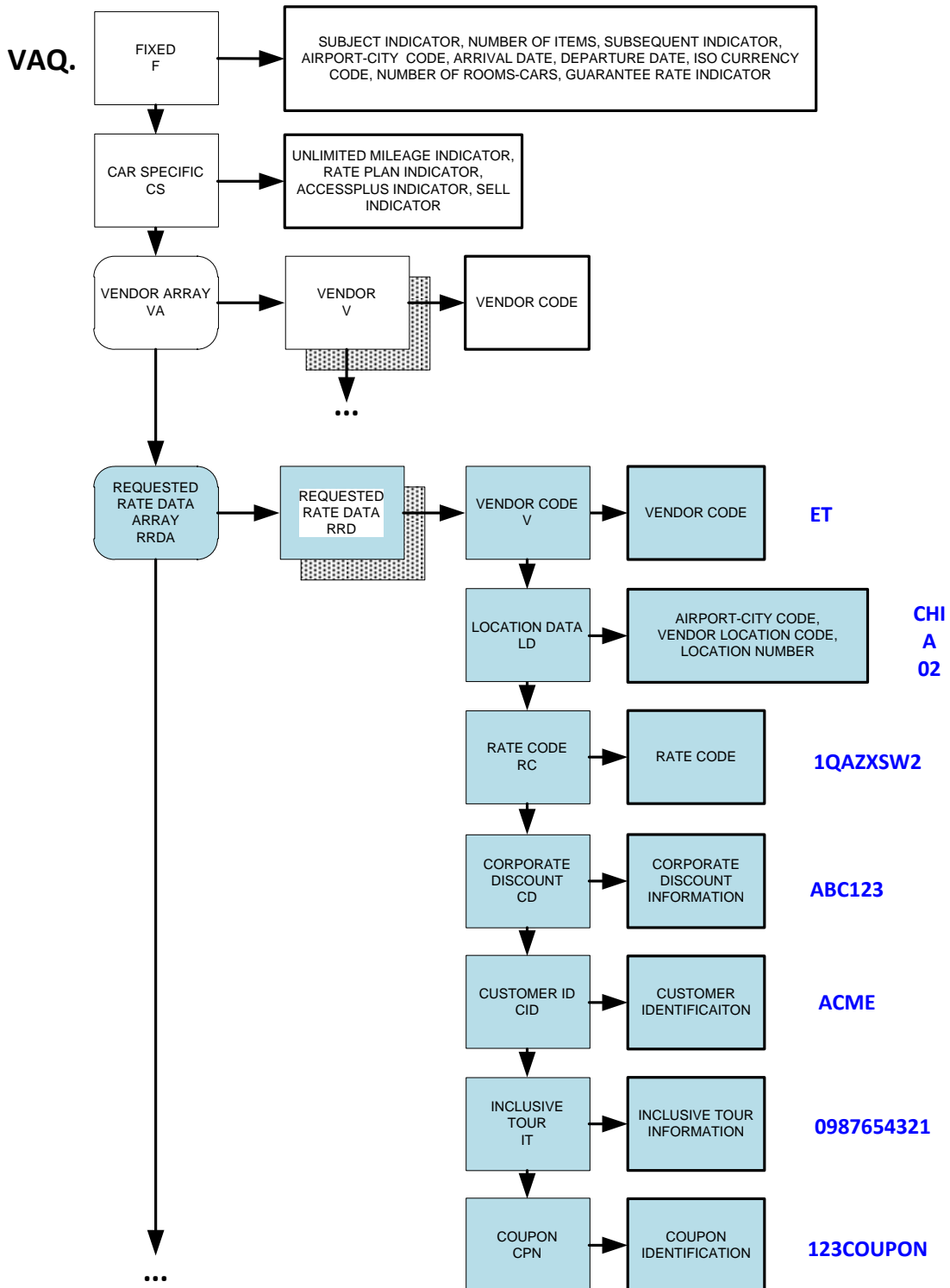
No longer restricted to a single rental vehicle availability request - multiple merchant rate items can now be submitted in a single request for multiple vehicle suppliers.

Detail and Customer Examples

The following sections will demonstrate use of the new “Requested Rate Data” with several message scenarios of usage. The Worldspan D.I.R. Vendor Availability Request (VAQ) diagram and data description tables provide details for each new option within the “Requested Rate Data” array to apply. There are no changes to the current Worldspan D.I.R. Vendor Availability (VA) Response Message for this enhancement.

Worldspan D.I.R. Vendor Availability (VAQ) Request Diagram with Requested Rate Data

The following diagram contains the new added data nodes for this enhancement, highlighted in blue for demonstration purposes only.



Worldspan D.I.R. Vendor Availability (VAQ) Request Data Description with Requested Rate Data

The following tables contain only the new added data nodes for this enhancement.

“Requested Rate Data” Filtering (Array that repeats to apply specific merchant rate options to request)

VAQ.RRDA.RRD.V

Vendor

Description	Data type	Size
Vendor Code (e.g. ZL'blank' – National Car Rental)	FL alphanumeric	3

VAQ.RRDA.RRD.LD

Location Data

Description	Data type	Size
Airport-City Code (e.g. CHI)	VL alphanumeric	3
Location Code (e.g. CHIC021)	VL alphanumeric	1
Location Number (e.g. CHIC021)	VL alphanumeric	3

VAQ.RRDA.RRD.RC

Rate Code

Description	Data type	Size
Rate Code (e.g. 1QAZXS)	VL alphanumeric	—

VAQ.RRDA.RRD.CD

Corporate Discount

Description	Data type	Size
Corporate Discount Information (e.g. ABC123)	VL alphanumeric	—

VAQ.RRDA.RRD.CID

Customer Identification

Description	Data type	Size
Customer Identification (e.g. ACME)	VL alphanumeric	—

VAQ.RRDA.RRD.IT

Inclusive Tour

Description	Data type	Size
Inclusive Tour Number (e.g. 0987654321)	VL alphanumeric	—

VAQ.RRDA.RRD.CPN

Coupon

Description	Data type	Size
Coupon Identification/Number (e.g. 123COUPON)	VL alphanumeric	—

Worldspan D.I.R. Vendor Availability (VAQ) Request Message Examples with Requested Rate Data

The following message examples reflect scenarios associated to this enhancement.

Example 1

Vendor availability request for an economy, 4-door car in Chicago (ORD) for pickup on 31DEC at 6am and return on 10JAN at 6pm.

The message includes the "Requested Rate Data" structure to specify merchant rates for Alamo (AL), Budget (ZT), Enterprise (ET), Hertz (ZE), and National (ZL) car companies. Each "Requested Rate Data" array contains the following options:

- Vendor Code
- Location Data
- Rate Code
- Corporate Discount
- Company Identification
- Inclusive Tour
- Coupon Identifier

```
VAQ.CR.DT{1800}
VAQ.CR.AR{0600}
VAQ.CS{AWCB}
VAQ.F{AB10ORD20153652016010USD01B}
VAQ.UDA.CD{EDAR }
///Divider added to split out specific data for easier identification///
VAQ.RRDA.RRD.V{ZL }
VAQ.RRDA.RRD.LD{CHIC001}
VAQ.RRDA.RRD.RC{1QAZXS}
VAQ.RRDA.RRD.CD{ABC321}
VAQ.RRDA.RRD.CID{ACME}
VAQ.RRDA.RRD.IT{0987654321}
VAQ.RRDA.RRD.CPN{COUPON1}
///Divider added to split out specific data for easier identification///
VAQ.RRDA.RRD.V{ZE }
VAQ.RRDA.RRD.LD{ORDA321}
VAQ.RRDA.RRD.RC{2XYZ12}
VAQ.RRDA.RRD.CD{DEF555}
VAQ.RRDA.RRD.CID{ACME}
VAQ.RRDA.RRD.IT{123456789}
VAQ.RRDA.RRD.CPN{COUPON2}
///Divider added to split out specific data for easier identification///
VAQ.RRDA.RRD.V{ZD }
VAQ.RRDA.RRD.LD{CHIC021}
VAQ.RRDA.RRD.RC{BBB321}
VAQ.RRDA.RRD.CD{DEF555}
VAQ.RRDA.RRD.CID{ACME}
VAQ.RRDA.RRD.IT{096470Z}
VAQ.RRDA.RRD.CPN{COUPON3}
///Divider added to split out specific data for easier identification///
VAQ.RRDA.RRD.V{ET }
VAQ.RRDA.RRD.LD{ORDT033}
```

```

VAQ.RRDA.RRD.RC{AAABBB}
VAQ.RRDA.RRD.CD{DEF555}
VAQ.RRDA.RRD.CID{ACME}
VAQ.RRDA.RRD.IT{08369TW}
VAQ.RRDA.RRD.CPN{COUPON4}
///Divider added to split out specific data for easier identification///
VAQ.RRDA.RRD.V{AL }
VAQ.RRDA.RRD.LD{CHIC002}
VAQ.RRDA.RRD.RC{A1B2C3}
VAQ.RRDA.RRD.CD{EXEC32}
VAQ.RRDA.RRD.CID{ACME}
VAQ.RRDA.RRD.IT{TE1953}
VAQ.RRDA.RRD.CPN{COUPON5}

```

The D.I.R. message is converted into the following Travelport Worldspan Vehicle Availability inputs and submitted to each of the vehicle rental suppliers for processing:

```

CRAORD31DEC10JAN/E-USD/N01/QR-U/PW/VEDAR/ARR-6A/DT-6P/CZL/L-C001/RC-
1QAZXS/CD-ABC321/ID-ACME/IT-0987654321/CP-COUPON1

CRAORD31DEC10JAN/E-USD/N01/QR-U/PW/VEDAR/ARR-6A/DT-6P/CZE/L-A321/RC-
2XYZ12/CD-DEF555/ID-ACME/IT-123456789/CP-COUPON2

CRAORD31DEC10JAN/E-USD/N01/QR-U/PW/VEDAR/ARR-6A/DT-6P/CZD/L-C021/RC-
BBB321/CD-DEF555/ID-ACME/IT-096470Z/CP-COUPON3

CRAORD31DEC10JAN/E-USD/N01/QR-U/PW/VEDAR/ARR-6A/DT-6P/CET/L-T033/RC-
AAABBB/CD-ABC321/ID-ACME/IT-08369TW/CP-COUPON4

CRAORD31DEC10JAN/E-USD/N01/QR-U/PW/VEDAR/ARR-6A/DT-6P/CZL/L-C002/RC-
A1B2C3/CD-EXEC32/ID-ACME/IT-TE1953/CP-COUPON5

```

Example 2

Vendor availability request for an economy, 4-door car in Minneapolis-St. Paul (MSP) for pickup on 10JAN at 9am and return on 17JAN at 5pm.

The message includes the “Requested Rate Data” structure to specify merchant rates for ten (10) different vehicle rental companies but the same “Requested Rate Data” options.

```

VAQ.CR.AR{0900}
VAQ.CR.DT{1700}
VAQ.CS{ADCB}
VAQ.UDA.CD{EDAR }
VAQ.F{AB05MSP20150102015017USD01B}
VAQ.RRDA.RRD.V{ZT }
VAQ.RRDA.RRD.CD{AAA}
VAQ.RRDA.RRD.CID{ACME}
VAQ.RRDA.RRD.CPN{COUPON1}
VAQ.RRDA.RRD.IT{TOUR123}
VAQ.RRDA.RRD.LD{MSPT001}
VAQ.RRDA.RRD.RC{RATECODE1}

```

VAQ.RRDA.RRD.V{ZE }
VAQ.RRDA.RRD.CD{AAA}
VAQ.RRDA.RRD.CID{ACME}
VAQ.RRDA.RRD.CPN{COUPON1}
VAQ.RRDA.RRD.IT{TOUR123}
VAQ.RRDA.RRD.LD{MSPT001}
VAQ.RRDA.RRD.RC{RATECODE1}
VAQ.RRDA.RRD.V{ZL }
VAQ.RRDA.RRD.CD{AAA}
VAQ.RRDA.RRD.CID{ACNE}
VAQ.RRDA.RRD.CPN{COUPON1}
VAQ.RRDA.RRD.IT{TOUR123}
VAQ.RRDA.RRD.LD{MSPT001}
VAQ.RRDA.RRD.RC{RATECODE1}
VAQ.RRDA.RRD.V{ZI }
VAQ.RRDA.RRD.CD{AAA}
VAQ.RRDA.RRD.CID{ACME}
VAQ.RRDA.RRD.CPN{COUPON1}
VAQ.RRDA.RRD.IT{TOUR123}
VAQ.RRDA.RRD.LD{MSPT001}
VAQ.RRDA.RRD.RC{RATECODE1}
VAQ.RRDA.RRD.V{ZD }
VAQ.RRDA.RRD.CD{AAA}
VAQ.RRDA.RRD.CID{ACME}
VAQ.RRDA.RRD.CPN{COUPON1}
VAQ.RRDA.RRD.IT{TOUR123}
VAQ.RRDA.RRD.LD{MSPT001}
VAQ.RRDA.RRD.RC{RATECODE1}
VAQ.RRDA.RRD.V{BW }
VAQ.RRDA.RRD.CD{AAA}
VAQ.RRDA.RRD.CID{ACME}
VAQ.RRDA.RRD.CPN{COUPON1}
VAQ.RRDA.RRD.IT{TOUR123}
VAQ.RRDA.RRD.LD{MSPT001}
VAQ.RRDA.RRD.RC{RATECODE1}
VAQ.RRDA.RRD.V{ZR }
VAQ.RRDA.RRD.CD{AAA}
VAQ.RRDA.RRD.CID{ACME}
VAQ.RRDA.RRD.CPN{COUPON1}
VAQ.RRDA.RRD.IT{TOUR123}
VAQ.RRDA.RRD.RC{RATECODE1}
VAQ.RRDA.RRD.LD{MSPT001}
VAQ.RRDA.RRD.V{DF }
VAQ.RRDA.RRD.CD{AAA}
VAQ.RRDA.RRD.CID{ACME}
VAQ.RRDA.RRD.CPN{COUPON1}
VAQ.RRDA.RRD.IT{TOUR123}
VAQ.RRDA.RRD.LD{MSPT001}
VAQ.RRDA.RRD.RC{RATECODE1}
VAQ.RRDA.RRD.V{ZA }
VAQ.RRDA.RRD.CD{AAA}
VAQ.RRDA.RRD.CID{ACME}
VAQ.RRDA.RRD.CPN{COUPON1}
VAQ.RRDA.RRD.IT{TOUR123}
VAQ.RRDA.RRD.LD{MSPT001}
VAQ.RRDA.RRD.RC{RATECODE1}


```
VAQ.RRDA.RRD.V{SC }
VAQ.RRDA.RRD.CD{AAA}
VAQ.RRDA.RRD.CID{ACME}
VAQ.RRDA.RRD.CPN{COUPON1}
VAQ.RRDA.RRD.IT{TOUR123}
VAQ.RRDA.RRD.LD{MSPT001}
VAQ.RRDA.RRD.RC{RATECODE1}
```

Example 3

Vendor availability request for an economy, 4-door car in Minneapolis-St. Paul (MSP) for pickup on 10JAN at 9am and return on 17JAN at 5pm.

The message includes the “Requested Rate Data” structure all for National (ZL) Rental Company. The “Requested Rate Data” options are the same except different Rate Codes.

```
VAQ.CR.AR{0900}
VAQ.CR.DT{1700}
VAQ.CS{ADCB}
VAQ.UDA.CD{EDAR }
VAQ.F{AB05MSP20150102015017USD01B}
VAQ.RRDA.RRD.V{ZL }
VAQ.RRDA.RRD.CD{AAA}
VAQ.RRDA.RRD.CID{ACME}
VAQ.RRDA.RRD.CPN{COUPON1}
VAQ.RRDA.RRD.IT{TOUR123}
VAQ.RRDA.RRD.LD{MSPT001}
VAQ.RRDA.RRD.RC{RATECODE1}
VAQ.RRDA.RRD.V{ZL }
VAQ.RRDA.RRD.CD{AAA}
VAQ.RRDA.RRD.CID{ACME}
VAQ.RRDA.RRD.CPN{COUPON1}
VAQ.RRDA.RRD.IT{TOUR123}
VAQ.RRDA.RRD.LD{MSPT001}
VAQ.RRDA.RRD.RC{RATECODE2}
VAQ.RRDA.RRD.V{ZL }
VAQ.RRDA.RRD.CD{AAA}
VAQ.RRDA.RRD.CID{ACNE}
VAQ.RRDA.RRD.CPN{COUPON1}
VAQ.RRDA.RRD.IT{TOUR123}
VAQ.RRDA.RRD.LD{MSPT001}
VAQ.RRDA.RRD.RC{RATECODE3}
VAQ.RRDA.RRD.V{ZL }
VAQ.RRDA.RRD.CD{AAA}
VAQ.RRDA.RRD.CID{ACME}
VAQ.RRDA.RRD.CPN{COUPON1}
VAQ.RRDA.RRD.IT{TOUR123}
VAQ.RRDA.RRD.LD{MSPT001}
VAQ.RRDA.RRD.RC{RATECODE4}
VAQ.RRDA.RRD.V{ZL }
VAQ.RRDA.RRD.CD{AAA}
VAQ.RRDA.RRD.CID{ACME}
VAQ.RRDA.RRD.CPN{COUPON1}
VAQ.RRDA.RRD.IT{TOUR123}
VAQ.RRDA.RRD.LD{MSPT001}
```

```

VAQ.RRDA.RRD.RC{RATECODE5}
VAQ.RRDA.RRD.V{ZL }
VAQ.RRDA.RRD.CD{AAA}
VAQ.RRDA.RRD.CID{ACME}
VAQ.RRDA.RRD.CPN{COUPON1}
VAQ.RRDA.RRD.IT{TOUR123}
VAQ.RRDA.RRD.LD{MSPT001}
VAQ.RRDA.RRD.RC{RATECODE6}
VAQ.RRDA.RRD.V{ZL }
VAQ.RRDA.RRD.CD{AAA}
VAQ.RRDA.RRD.CID{ACME}
VAQ.RRDA.RRD.CPN{COUPON1}
VAQ.RRDA.RRD.IT{TOUR123}
VAQ.RRDA.RRD.LD{MSPT001}
VAQ.RRDA.RRD.RC{RATECODE7}
VAQ.RRDA.RRD.V{ZL }
VAQ.RRDA.RRD.CD{AAA}
VAQ.RRDA.RRD.CID{ACME}
VAQ.RRDA.RRD.CPN{COUPON1}
VAQ.RRDA.RRD.IT{TOUR123}
VAQ.RRDA.RRD.LD{MSPT001}
VAQ.RRDA.RRD.RC{RATECODE8}
VAQ.RRDA.RRD.V{ZL }
VAQ.RRDA.RRD.CD{AAA}
VAQ.RRDA.RRD.CID{ACME}
VAQ.RRDA.RRD.CPN{COUPON1}
VAQ.RRDA.RRD.IT{TOUR123}
VAQ.RRDA.RRD.LD{MSPT001}
VAQ.RRDA.RRD.RC{RATECODE9}
VAQ.RRDA.RRD.V{ZL }
VAQ.RRDA.RRD.CD{AAA}
VAQ.RRDA.RRD.CID{ACME}
VAQ.RRDA.RRD.CPN{COUPON1}
VAQ.RRDA.RRD.IT{TOUR123}
VAQ.RRDA.RRD.LD{MSPT001}
VAQ.RRDA.RRD.RC{RATECODE10}

```

Glossary

Term	Definition
D.I.R.	Data Interface Record. Structured message used to communicate with the Travelport Worldspan (1P) system.

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