

## Travelport Worldspan SMI/XML Pro Sunset of DO/DN Pricing Modifiers for Air Carrier OB Fees

|                                   |   |       |     |                      |     |
|-----------------------------------|---|-------|-----|----------------------|-----|
| <b>Developer Advisory Number:</b> | 582   |       |     |                      |     |
| <b>Version:</b>                   | 01  |       |     |                      |     |
| <b>Load To Production:</b>        | 26-Aug-15   | 23:00 | EDT | 04:00<br>(27-Aug)    | BST |
| <b>High Level Description:</b>    | The use of the pricing-related modifiers, DO (Display old pricing) and DN (Display new pricing), are no longer necessary to obtain current pricing results for air carrier fees.  |       |     |                      |     |
| <b>Impact Summary:</b>            | <p>No current impact; the DO and DN modifiers functionality is not in use by SMI/XML Pro/XML OTA processing.</p> <p>If a DO or DN modifier is appended to a pricing entry, the response is the current HOST response.</p> <p>On or after Wednesday 26<sup>th</sup> August 2015, the use of the 'DO' modifier appended to a pricing command will result in a hard error "DO IS AN INVALID PRICING OPTION" for SMI messages.</p> <p>On or after Wednesday 26<sup>th</sup> August 2015, the use of the 'DO' modifier appended to a pricing command will result in a hard error "INVALID OPTION" for the XML Pro Rapid Reprice message.</p> |       |     |                      |     |
| <b>Reason For Issue:</b>          | First Notification  |       |     |                      |     |
| <b>Customer Impact:</b>           | <input type="checkbox"/> Internal Only <input checked="" type="checkbox"/> Developers<br><input type="checkbox"/> Agency Customers <input type="checkbox"/> Airline Customers<br><input checked="" type="checkbox"/> eCommerce Customers <input type="checkbox"/> Car, Hotel, Rail or Cruise Customers  |       |     |                      |     |
| <b>System:</b>                    | <input type="checkbox"/> Galileo <input type="checkbox"/> ACH<br><input type="checkbox"/> Apollo <input type="checkbox"/> RCH<br><input checked="" type="checkbox"/> Worldspan <input type="checkbox"/> Travelport Rooms and More<br><input type="checkbox"/> AXESS <input type="checkbox"/> Merchandising  |       |     |                      |     |
| <b>Load To Copy:</b>              | 29-Jul-15   | 19:00 | EDT | Midnight<br>(30-Jul) | BST |

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**Web Services:  
(API and Messaging)**

The use of 'DO' and 'DN' pricing modifiers for SMI/XML Pro messages shall be sunset on Wednesday 26<sup>th</sup> August 2015.

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**Issue History:**

Version 01

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## Overview

Air Carrier Fees were introduced by Travelport Worldspan in 2009. The intent of this enhancement was to provide Air Carrier Fees in the message responses, if the Air Carrier filed their fares with carrier fees.

Not all markets and not all air carriers have carrier fees and are the responsibility of the air carrier to file those fees. Additionally, there are certain conditions to receive carrier fees in a message response.

Factors which determine fees are, but not limited to:

- City Markets
- Form of payment
- Air carrier files for carrier fees
- A PS Datastring setting is active

## Customer Benefit

- Retirement of the 4P #DO and #DN pricing modifiers will allow for other enhanced pricing capabilities and new features in Travelport Worldspan pricing displays going forward.

**NOTE: All examples are for illustrative purposes only.**

## Detail and Customer Examples

The SMI messages which were enhanced for Air Carrier Fees:

- Book and Price (BP)
- Modify Air (MA)
- Group Book (GB)
- Group Modify (GM)
- Group Name (GN)
- Modify Name (MN)
- Display PNR (v7)

When the 'DO' modifier is appended to a pricing command in one of the SMI messages, a hard error response shall be returned:

```
"DO IS AN INVALID PRICING OPTION"
```

The XML Pro message which was enhanced for Air Carrier Fees:

- Rapid Reprice (RR)

When the 'DO' modifier, which translates to 'A' in the field <DataOutput>A</DataOutput>, is present in the Rapid Reprice request message, a hard error shall be returned in the response:

```
"INVALID OPTION"
```

## Examples of 'DO' appended to a pricing request and the error response

(Note: All examples are for illustration purposes only)

- **Partial Book and Price (BP) request**

```
<BPC9>
  <MSG_VERSION>9</MSG_VERSION>
  <VARIABLE_COUNT>0002</VARIABLE_COUNT>
  <SEATS>1</SEATS>
  <PASSENGER_DATA>
    <NAME_POSITION>1</NAME_POSITION>
    <LAST_FIRST_MIDDLE>TEST/ONE</LAST_FIRST_MIDDLE>
    <TYPE>ADT</TYPE>
  </PASSENGER_DATA>
  <PNR_DATA>
  <PHONE_FIELDS>
    <PHONE_FIELD>555 1234</PHONE_FIELD>
  </PHONE_FIELDS>
  <RECEIVED_FROM>9999999</RECEIVED_FROM>
  <CUST_REF_NUM>5551212</CUST_REF_NUM>
  <FOP>CA</FOP>
  </PNR_DATA>
  <END_OPTION>E</END_OPTION>
  <PRICING_DISPLAY_OPTION>1</PRICING_DISPLAY_OPTION>
  <PRICING_COMMAND>4P*DO</PRICING_COMMAND>
  <TICKET_OPTION>7T</TICKET_OPTION>
    <LEG_COUNT>02</LEG_COUNT>
```

### Book and Price (BP) error response

```
<error>DO IS AN INVALID PRICING OPTION</error>
```

- **Partial Modify Air (MA) request**

```
<MAC5>
  <MSG_VERSION>5</MSG_VERSION>
  <VARIABLE_COUNT>0001</VARIABLE_COUNT>
  <PNR_RLOC>XXXXX</PNR_RLOC>
  <CUST_REF_NUM>12345</CUST_REF_NUM>
  <MODIFY_TYPE>MIT</MODIFY_TYPE>
  <ORIGINAL_DATA>
    <LEG_COUNT>01</LEG_COUNT>
    <ORIG_LEG_INFO>
      <LEG_MODIFY_TYPE>RL</LEG_MODIFY_TYPE>
      <LEG_NUM>01</LEG_NUM>
      <AIRLINE_CODE>FI</AIRLINE_CODE>
    </ORIG_LEG_INFO>
  <DEP_DATE>
    <DEP_DAY>15</DEP_DAY>
    <DEP_MONTH>SEP</DEP_MONTH>
  </DEP_DATE>
  <DEP_AIRPORT>HEL</DEP_AIRPORT>
  <ARRIV_AIRPORT>KEF</ARRIV_AIRPORT>
  </ORIG_LEG_INFO>
```

```

    </ORIGINAL_DATA>
  <NEW_DATA>
    <END_OPTION>E</END_OPTION>
    <SEATS>1</SEATS>
    <PRICING_DISPLAY_OPTION>2</PRICING_DISPLAY_OPTION>
    <PRICING_COMMAND>4PQFSR.SR#DO#CFI</PRICING_COMMAND>
    <PRICING_COMMAND>4P*FSR.SR#DO#CFI</PRICING_COMMAND>
    <PRICING_COMMAND> </PRICING_COMMAND>
    <PRICING_COMMAND>#FSR.SR#DO#CFI</PRICING_COMMAND>
    <LEG_COUNT>01</LEG_COUNT>
  <SEGMENT_INFO>
    <LEG_MODIFY_TYPE>RL</LEG_MODIFY_TYPE>
    <LEG_NUM>01</LEG_NUM>
    <SEGMENT_INDICATOR>B</SEGMENT_INDICATOR>
    <AVAIL_LOCATION>N</AVAIL_LOCATION>
  <AVAIL_INFO>
    <AVAIL_DEP_AIRPORT>HEL</AVAIL_DEP_AIRPORT>
    <AVAIL_AIRLINE>FI</AVAIL_AIRLINE>
    <AVAIL_DEP_CLASS>J</AVAIL_DEP_CLASS>
    <AVAIL_ARRIVAL_AIRPORT>KEF</AVAIL_ARRIVAL_AIRPORT>

```

### Modify Air (MA) error response

```
<error>DO IS AN INVALID PRICING OPTION</error>
```

- **Group Book (GB) partial request**

```

<GBC1>
  <MSG_VERSION>1</MSG_VERSION>
  <VARIABLE_COUNT>0002</VARIABLE_COUNT>
  <GROUP_INFO>
    <GROUP_COUNT>9</GROUP_COUNT>
    <GROUP_NAME>WILDERNESSGRP</GROUP_NAME>
  </GROUP_INFO>
  <PASSENGER_DATA>
    <NAME_POSITION>02</NAME_POSITION>
    <LAST_FIRST_MIDDLE>TEST/NAMEONE</LAST_FIRST_MIDDLE>
  </PASSENGER_DATA>
  <PNR_DATA>
  <PHONE_FIELDS>
    <PHONE_PSEUDO_CITY>816-555-1212-T</PHONE_PSEUDO_CITY>
  </PHONE_FIELDS>
  <PHONE_FIELDS>
    <PHONE_PSEUDO_CITY>force:%sid%</PHONE_PSEUDO_CITY>
  </PHONE_FIELDS>
  <PHONE_FIELDS>
    <PHONE_PSEUDO_CITY>force:%sid%</PHONE_PSEUDO_CITY>
  </PHONE_FIELDS>
  <PHONE_FIELDS>
    <PHONE_PSEUDO_CITY>force:%sid%</PHONE_PSEUDO_CITY>
  </PHONE_FIELDS>
  <PHONE_FIELDS>
    <PHONE_PSEUDO_CITY>force:%sid%</PHONE_PSEUDO_CITY>
  </PHONE_FIELDS>

```

```

<PHONE_FIELDS>
  <PHONE_PSEUDO_CITY>force:%sid%</PHONE_PSEUDO_CITY>
</PHONE_FIELDS>
<PHONE_FIELDS>
  <PHONE_PSEUDO_CITY>force:%sid%</PHONE_PSEUDO_CITY>
</PHONE_FIELDS>
<RECEIVED_FROM>1197096</RECEIVED_FROM>
</PNR_DATA>
<END_OPTION>E</END_OPTION>
<PRICING_DISPLAY_OPTION>1</PRICING_DISPLAY_OPTION>
<PRICING_COMMAND>4P*DO</PRICING_COMMAND>
<TICKET_OPTION>7T</TICKET_OPTION>
<LEG_COUNT>02</LEG_COUNT>
<SEGMENT_INFO>
  <LEG_NUM>01</LEG_NUM>

```

### Group Book (GB) error response

```
<error>DO IS AN INVALID PRICING OPTION</error>
```

- **Partial Group Modify (GM) request**

```

- <GMC1>
  <MSG_VERSION>1</MSG_VERSION>
  <VARIABLE_COUNT>0001</VARIABLE_COUNT>
  <PNR_RLOC>XXXXX</PNR_RLOC>
  <CUST_REF_NUM>1234567</CUST_REF_NUM>
  <MODIFY_TYPE>MIT</MODIFY_TYPE>
- <ORIGINAL_DATA>
- <ORIG_LEG_INFO>
  <LEG_MODIFY_TYPE>RL</LEG_MODIFY_TYPE>
  <LEG_NUM>02</LEG_NUM>
  <AIRLINE_CODE>AA</AIRLINE_CODE>
  <FLIGHT_NUM>7093</FLIGHT_NUM>
  <DEP_CLASS>Y</DEP_CLASS>
- <DEP_DATE>
  <DEP_DAY>25</DEP_DAY>
  <DEP_MONTH>APR</DEP_MONTH>
  </DEP_DATE>
  <DEP_AIRPORT>PHX</DEP_AIRPORT>
  <ARRIV_AIRPORT>SEA</ARRIV_AIRPORT>
  </ORIG_LEG_INFO>
  </ORIGINAL_DATA>
- <NEW_DATA>
  <END_OPTION>E</END_OPTION>
  <SEATS>10</SEATS>
  <PRICING_DISPLAY_OPTION>1</PRICING_DISPLAY_OPTION>
  <PRICING_COMMAND>4P#DO</PRICING_COMMAND>
  <PRICING_COMMAND>4P*DO</PRICING_COMMAND>
  <TICKET_OPTION>7T</TICKET_OPTION>
  <LEG_COUNT>02</LEG_COUNT>
- <SEGMENT_INFO>
  <LEG_MODIFY_TYPE>RL</LEG_MODIFY_TYPE>

```

```

<LEG_NUM>02</LEG_NUM>
<SEGMENT_INDICATOR>M</SEGMENT_INDICATOR>
<AVAIL_LOCATION>N</AVAIL_LOCATION>
- <AVAIL_INFO>
  <AVAIL_DEP_AIRPORT>PHX</AVAIL_DEP_AIRPORT>
  <AVAIL_AIRLINE>UA</AVAIL_AIRLINE>
  <AVAIL_DEP_CLASS>Y</AVAIL_DEP_CLASS>

```

### Group Modify (GM) error response

```
<error>DO IS AN INVALID PRICING OPTION</error>
```

- Partial Group Name (GN) request

```

<GNC1>
  <MSG_VERSION>1</MSG_VERSION>
  <PNR_RLOC>XXXXX</PNR_RLOC>
  <OVERRIDE_CUST_REF>Y</OVERRIDE_CUST_REF>
  <MODIFY_TYPE>ADN</MODIFY_TYPE>
  <BAG_ALLOWANCE_IND>BT</BAG_ALLOWANCE_IND>
  <NEW_DATA>
    <END_OPTION>E</END_OPTION>
    <PRICING_DISPLAY_OPTION>1</PRICING_DISPLAY_OPTION>
    <PRICING_COMMAND>4P*DO</PRICING_COMMAND>
  <PASSENGER_DATA>
    <NAME_POSITION>44</NAME_POSITION>
    <LAST_FIRST_MIDDLE>TEST/NAMEONE</LAST_FIRST_MIDDLE>
    <TYP>ADT</TYP>

```

### Group Name (GN) error response

```
<error>DO IS AN INVALID PRICING OPTION</error>
```

- Partial Modify Name (MN) request

```

- <MNC3>
  <MSG_VERSION>3</MSG_VERSION>
  <PNR_RLOC>XXXXXX</PNR_RLOC>
  <CUST_REF_NUM>000000</CUST_REF_NUM>
  <OVERRIDE_CUST_REF>Y</OVERRIDE_CUST_REF>
  <MODIFY_TYPE>RPN</MODIFY_TYPE>
  <PRICING_DISPLAY_OPTION>1</PRICING_DISPLAY_OPTION>
  <BAG_ALLOWANCE_IND>BT</BAG_ALLOWANCE_IND>
- <ORIGINAL_DATA>
- <PASSENGER_DATA>
- <NAME_POSITION>1</NAME_POSITION>
  <LAST_FIRST_MIDDLE>TEST/NAMEONE</LAST_FIRST_MIDDLE>
  <TYP>ADT</TYP>
  </PASSENGER_DATA>
  </ORIGINAL_DATA>
- <NEW_DATA>

```

```

<END_OPTION>E</END_OPTION>
<PRICING_COMMAND>4P*DO</PRICING_COMMAND>
- <PASSENGER_DATA>
  <NAME_POSITION>1</NAME_POSITION>
  <LAST_FIRST_MIDDLE>TEST/NAMETWO</LAST_FIRST_MIDDLE>
  <TYP>ADT</TYP>
  </PASSENGER_DATA>

```

### Modify Name (MN) error response

```
<error>DO IS AN INVALID PRICING OPTION</error>
```

### Partial Rapid Reprice (RR) Request

```

- <RapidRepriceRequest
  xmlns="http://www.worldspan.com/RapidRepriceRequest">
  - <EntryType>
    <SourceInd>B</SourceInd>
    <EntryTypeInd>B</EntryTypeInd>
    <EntryOptionInd>D</EntryOptionInd>
  </EntryType>
  <DataOutput>A</DataOutput>
  <BaggageInfoInd>A</BaggageInfoInd>
  <BookingReferenceID>XXXXXX</BookingReferenceID>
  - <RepricingOption>
    <FareTypeCode>XD</FareTypeCode>
    <TicketNumber>1111188888888</TicketNumber>
  </RepricingOption>
  - <OriginalIssueInfo>
    - <OriginalIssueCount>
      <PTC_Count>1</PTC_Count>
      <FlightSegmentCount>1</FlightSegmentCount>
      <PFC_Count>0</PFC_Count>
    </OriginalIssueCount>
    - <OriginatorInfo>
      <CityCode>ATH</CityCode>
      <CountryCode>GR</CountryCode>
      <SubscriberSID>0000</SubscriberSID>
      <CompanyID>1G</CompanyID>
      <TravelAgencyIATA>26000000</TravelAgencyIATA>
      <IssueDate>2015-03-25</IssueDate>

```

### Rapid Reprice (RR) error response

```
<error>INVALID OPTION</error>
```



## Glossary

| Term | Definition                     |
|------|--------------------------------|
| OTA  | Open Travel Alliance           |
| SMI  | Structured Messaging Interface |
| XML  | Extensible Markup Language     |

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