

Travelport Worldspan Classic API - XMLPro Display PNR Hybrid and Alternative Fuel Vehicle Enhancement

Developer Advisory number:	604				
Version:	01				
Load to production:	28-Oct-15	20:00	EDT	08:00	BST
High level description:	Provide Display PNR (DPW-8 version 8) customers the means to display a Hybrid and alternative fuel-type vehicles in their message responses.				
Impact summary:	Any customers using the vehicle data from a Display PNR version 8 message response.				
Reason for issue:	Customers have expressed the need to see Hybrid and alternative fuel-type vehicles in their Display PNR version 8 responses.				
Customer impact:	<input type="checkbox"/> Internal only	<input checked="" type="checkbox"/> Developers			
	<input 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			
System:	<input type="checkbox"/> Travelport Galileo	<input type="checkbox"/> ACH			
	<input type="checkbox"/> Travelport Apollo	<input type="checkbox"/> RCH			
	<input checked="" type="checkbox"/> Travelport Worldspan	<input type="checkbox"/> Travelport Rooms and More			
	<input type="checkbox"/> AXESS	<input type="checkbox"/> Merchandising			
Load to copy:	Available now				
Web services: (API and messaging)	Any customers using the car data from a Display PNR version 8 message response.				
Issue history:	Version 01				

Overview

Travelport Worldspan Classic API messaging customers have expressed the need to see Hybrid and alternative fuel-type vehicles in their Display PNR version 8 response messages.

Currently, the response returns either unspecified 'R' UNSP/YES or 'N' UNSP/NO. Customers shall still have the unspecified functionality, along with, the new functionality specified in this advisory.

Customer benefit

- Customers are able to advise their customer of Hybrid and alternative fuel-type vehicles.

Detail and customer examples

The Display PNR version 8 response shall be enhanced to contain a new element, FUE_TYP_COD. The new element, FUE_TYP_COD will contain a 1-byte alpha character

FUE_TYP_COD element is created in the Display PNR version 8 response to indicate an alternate fuel-type vehicle.

The new element, FUE_TYP_COD is defined as a length of 1-byte with a value of 1-alpha character.

Shown below is the Worldspan HOST Vehicle Code Table illustrating the FUEL/AIR column which contains the data that will be pulled into the DPW-8 message response.

Worldspan HOST Vehicle Code Table

				HELP CRTYPE
CATEGORY	TYPE	TRANS/DRIVE	FUEL/AIR	
-----	----	-----	-----	
M* MINI	B* 2/3DOOR	M* MAN/UNSPEC	R* UNSP/YES	
N MINI E	C* 2/4DOOR	N MAN/4WD	N* UNSP /NO	
E* ECON	D* 4/5DOOR	C MAN/AWD	D DIESEL/YES	
H ECON E	W* WAG/ESTATE	A* AUT/UNSPEC	Q DIESEL/NO	
C* COMP	V* PSGR VAN	B AUT/4WD	H HYBRID/YES	
D COMP E	L* LIMO	D AUT/AWD	I HYBRID/NO	
I* INTER	S* SPORT		E ELEC/YES	
J INTER E	T* CONVERTIBLE		C ELEC/NO	
S* STND	F* SUV		L LPG/COMP GAS/YES	
R STND E	J* OPN AIR ALL TER		S LPG/COMP GAS/NO) >	
F* FULLSIZE	X* SPECIAL		A HYDROGEN/YES	
G FULLSIZE E	P* PKUP REG CAB		B HYDROGEN/NO	
P* PREMIUM	Q PKUP EXTND CAB		M MULTFUEL PWR/YES	
U PREMIUM E	Z SPCL OFFER CAR		F MULTFUEL PWR/NO	
L* LUXURY	E COUPE		V PETROL/YES	
W LUXURY E	M MONOSPACE		Z PETROL/NO	
O OVERSIZE	R* REC VEHICLE		U ETHANOL/YES	
X* SPECIAL	H MOTOR HOME		X ETHANOL/NO	

Y 2 WHEEL VEHICLE
 N ROADSTER-
 G CROSSOVER-
 K* COMMERCIAL VAN/TRUCK
 J-ALL TERRAIN
 K-HEAVY TRUCK
 X-SPECIAL) >

A new response element has been created in the Display PNR version 8 (DPW-8) message. This new element is a list of possible alpha-character values which could populate the FUE_TYP_COD element in the response message:

	Fuel - Type Vehicle	Air Conditioning
D	DIESEL	Yes
Q	DIESEL	No
H	HYBRID	Yes
I	HYBRID	No
E	ELEC	Yes
C	ELEC	No
L	LPG/COMP GAS	Yes
S	LPG/COMP GAS	No
A	HYDROGEN	Yes
B	HYDROGEN	No
M	MULTFUEL PWR	Yes
F	MULTFUEL PWR	No
V	PETROL	Yes
Z	PETROL	No
U	ETHANOL	Yes
X	ETHANOL	No

Please note, for all Fuel – Type vehicles shown in the table above, Air Conditioning will always default to ‘Yes’ in the element, <AIR_CND>Y</AIR_CND>.

Response examples

Hybrid (H) vehicle response

```

<DPW8>
  <REC_LOC>75EXXI</REC_LOC>
  <PNR_PAR>1P</PNR_PAR>
  <CRE_DAT>23MAY2015</CRE_DAT>
  <PAX_INF>
    <ITM_COU>1</ITM_COU>
    <NME_ITM>
      <NME_POS>1.1</NME_POS>
      <PTC>ADT</PTC>
      <PAX_NME>TEST/TEST</PAX_NME>
    </NME_ITM>
  </PAX_INF>
  <CAR_SEG_INF>
    <ITM_COU>1</ITM_COU>
    <CAR_ITM>
      <SEG_NUM>1</SEG_NUM>
      <NUM_CAR>001</NUM_CAR>
      <SEG_STA>HK</SEG_STA>
      <CAR_VEN_COD>XX</CAR_VEN_COD>
      <CAR_VEN_NME>XX TESTVEN</CAR_VEN_NME>
      <BKG_SOU>12345678</BKG_SOU>
      <LOC>
        <LOC_COD>T</LOC_COD>
        <LOC_COD_EXT>01</LOC_COD_EXT>
      </LOC>
      <ARR_INF>0900</ARR_INF>
      <REN_NME>TEST TEST</REN_NME>
      <CFO_NUM>123456789COUNT</CFO_NUM>
      <SPE_ASC_PRI>A MINIMUM OF 1 DAY WILL BE
CHARGED</SPE_ASC_PRI>
      <WRI_CFO>N</WRI_CFO>
      <PUP_INF>
        <PUP_DAT>22SEP2015</PUP_DAT>
        <PUP_DAY>Tuesday</PUP_DAY>
        <PUP_CIT>SEA</PUP_CIT>
      </PUP_INF>
      <DRO_OFF_INF>
        <DRO_OFF_DAT>23SEP2015</DRO_OFF_DAT>
        <DRO_OFF_TIM>0900</DRO_OFF_TIM>
        <DRO_OFF_DAY>Wednesday</DRO_OFF_DAY>
      </DRO_OFF_INF>
      <CAR_INF>
        <CAR_CLA_COD>S</CAR_CLA_COD>
        <CAR_TYP_COD>C</CAR_TYP_COD>
        <AIR_CND>Y</AIR_CND>
        <FUE_TYP_COD>H</FUE_TYP_COD>
        <SHI_TYP_COD>A</SHI_TYP_COD>
      </CAR_INF>
      <RAT_INF>
        <RAT_TYP>G</RAT_TYP>
        <TTL_RAT>ESTIMATED TOTAL PRICE IS 85.64 USD</TTL_RAT>

```

```
<RAT_COD>EG7</RAT_COD>
<RAT_AMT>85.64</RAT_AMT>
<MIL_INF>UNL</MIL_INF>
<EX_DAY_RAT>77.80</EX_DAY_RAT>
<EX_DAY_MIL>UNL</EX_DAY_MIL>
<EX_HR_RAT>25.93</EX_HR_RAT>
<EX_HR_MIL>UNL</EX_HR_MIL>
<CUR_COD>USD</CUR_COD>
<RAT_PLA_COD>WD</RAT_PLA_COD>
</RAT_INF>
</CAR_ITM>
</CAR_SEG_INF>
<RMK_INF>
  <ITN_IVC>
    <ITM_COU>2</ITM_COU>
    <RMK_ITM>
      <RMK_NUM>1</RMK_NUM>
      <RMK_TXT>U05</RMK_TXT>
    </RMK_ITM>
    <RMK_ITM>
      <RMK_NUM>2</RMK_NUM>
      <RMK_TXT>U05</RMK_TXT>
    </RMK_ITM>
  </ITN_IVC>
</RMK_INF>
<PNR_INF>
  <TIC_INF>T</TIC_INF>
  <TEL_INF>
    <ITM_COU>1</ITM_COU>
    <TEL_NUM>
      <SID>92I</SID>
      <NUM>N</NUM>
    </TEL_NUM>
  </TEL_INF>
</PNR_INF>
</DPW8>
```

Electric (E) vehicle response

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<DPW8>
  <REC_LOC>75EXXI</REC_LOC>
  <PNR_PAR>1P</PNR_PAR>
  <CRE_DAT>23MAY2015</CRE_DAT>
  <PAX_INF>
    <ITM_COU>1</ITM_COU>
    <NME_ITM>
      <NME_POS>1.1</NME_POS>
      <PTC>ADT</PTC>
      <PAX_NME>TEST/TEST</PAX_NME>
    </NME_ITM>
  </PAX_INF>
  <CAR_SEG_INF>
    <ITM_COU>1</ITM_COU>
    <CAR_ITM>
      <SEG_NUM>1</SEG_NUM>
      <NUM_CAR>001</NUM_CAR>
      <SEG_STA>HK</SEG_STA>
      <CAR_VEN_COD>XX</CAR_VEN_COD>
      <CAR_VEN_NME>XX TESTVEN</CAR_VEN_NME>
      <BKG_SOU>12345678</BKG_SOU>
      <LOC>
        <LOC_COD>T</LOC_COD>
        <LOC_COD_EXT>01</LOC_COD_EXT>
      </LOC>
      <ARR_INF>0900</ARR_INF>
      <REN_NME>TEST TEST</REN_NME>
      <CFO_NUM>123456789COUNT</CFO_NUM>
      <SPE_ASC_PRI>A MINIMUM OF 1 DAY WILL BE
CHARGED</SPE_ASC_PRI>
      <WRI_CFO>N</WRI_CFO>
      <PUP_INF>
        <PUP_DAT>22SEP2015</PUP_DAT>
        <PUP_DAY>Tuesday</PUP_DAY>
        <PUP_CIT>SEA</PUP_CIT>
      </PUP_INF>
      <DRO_OFF_INF>
        <DRO_OFF_DAT>23SEP2015</DRO_OFF_DAT>
        <DRO_OFF_TIM>0900</DRO_OFF_TIM>
        <DRO_OFF_DAY>Wednesday</DRO_OFF_DAY>
      </DRO_OFF_INF>
      <CAR_INF>
        <CAR_CLA_COD>S</CAR_CLA_COD>
        <CAR_TYP_COD>C</CAR_TYP_COD>
        <AIR_CND>Y</AIR_CND>
        <FUE_TYP_COD>E</FUE_TYP_COD>
        <SHI_TYP_COD>A</SHI_TYP_COD>
      </CAR_INF>
      <RAT_INF>
        <RAT_TYP>G</RAT_TYP>
        <TTL_RAT>ESTIMATED TOTAL PRICE IS 85.64 USD</TTL_RAT>
        <RAT_COD>EG7</RAT_COD>
        <RAT_AMT>85.64</RAT_AMT>

```

```
<MIL_INF>UNL</MIL_INF>
<EX_DAY_RAT>77.80</EX_DAY_RAT>
<EX_DAY_MIL>UNL</EX_DAY_MIL>
<EX_HR_RAT>25.93</EX_HR_RAT>
<EX_HR_MIL>UNL</EX_HR_MIL>
<CUR_COD>USD</CUR_COD>
<RAT_PLA_COD>WD</RAT_PLA_COD>
</RAT_INF>
</CAR_ITM>
</CAR_SEG_INF>
<RMK_INF>
  <ITN_IVC>
    <ITM_COU>2</ITM_COU>
    <RMK_ITM>
      <RMK_NUM>1</RMK_NUM>
      <RMK_TXT>U05</RMK_TXT>
    </RMK_ITM>
    <RMK_ITM>
      <RMK_NUM>2</RMK_NUM>
      <RMK_TXT>U05</RMK_TXT>
    </RMK_ITM>
  </ITN_IVC>
</RMK_INF>
<PNR_INF>
  <TIC_INF>T</TIC_INF>
  <TEL_INF>
    <ITM_COU>1</ITM_COU>
    <TEL_NUM>
      <SID>92I</SID>
      <NUM>N</NUM>
    </TEL_NUM>
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</PNR_INF>
</DPW8>
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Ethanol (U) vehicle response

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<DPW8>
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  <PNR_PAR>1P</PNR_PAR>
  <CRE_DAT>23MAY2015</CRE_DAT>
  <PAX_INF>
    <ITM_COU>1</ITM_COU>
    <NME_ITM>
      <NME_POS>1.1</NME_POS>
      <PTC>ADT</PTC>
      <PAX_NME>TEST/TEST</PAX_NME>
    </NME_ITM>
  </PAX_INF>
  <CAR_SEG_INF>
    <ITM_COU>1</ITM_COU>
    <CAR_ITM>
      <SEG_NUM>1</SEG_NUM>
      <NUM_CAR>001</NUM_CAR>
      <SEG_STA>HK</SEG_STA>
      <CAR_VEN_COD>XX</CAR_VEN_COD>
      <CAR_VEN_NME>XX TESTVEN</CAR_VEN_NME>
      <BKG_SOU>12345678</BKG_SOU>
      <LOC>
        <LOC_COD>T</LOC_COD>
        <LOC_COD_EXT>01</LOC_COD_EXT>
      </LOC>
      <ARR_INF>0900</ARR_INF>
      <REN_NME>TEST TEST</REN_NME>
      <CFO_NUM>123456789COUNT</CFO_NUM>
      <SPE_ASC_PRI>A MINIMUM OF 1 DAY WILL BE
CHARGED</SPE_ASC_PRI>
      <WRI_CFO>N</WRI_CFO>
      <PUP_INF>
        <PUP_DAT>22SEP2015</PUP_DAT>
        <PUP_DAY>Tuesday</PUP_DAY>
        <PUP_CIT>SEA</PUP_CIT>
      </PUP_INF>
      <DRO_OFF_INF>
        <DRO_OFF_DAT>23SEP2015</DRO_OFF_DAT>
        <DRO_OFF_TIM>0900</DRO_OFF_TIM>
        <DRO_OFF_DAY>Wednesday</DRO_OFF_DAY>
      </DRO_OFF_INF>
      <CAR_INF>
        <CAR_CLA_COD>S</CAR_CLA_COD>
        <CAR_TYP_COD>C</CAR_TYP_COD>
        <AIR_CND>Y</AIR_CND>
        <FUE_TYP_COD>U</FUE_TYP_COD>
        <SHI_TYP_COD>A</SHI_TYP_COD>
      </CAR_INF>
      <RAT_INF>
        <RAT_TYP>G</RAT_TYP>
        <TTL_RAT>ESTIMATED TOTAL PRICE IS 85.64 USD</TTL_RAT>
        <RAT_COD>EG7</RAT_COD>
        <RAT_AMT>85.64</RAT_AMT>
    </CAR_ITM>
  </CAR_SEG_INF>
</DPW8>

```



```

        <MIL_INF>UNL</MIL_INF>
        <EX_DAY_RAT>77.80</EX_DAY_RAT>
        <EX_DAY_MIL>UNL</EX_DAY_MIL>
        <EX_HR_RAT>25.93</EX_HR_RAT>
        <EX_HR_MIL>UNL</EX_HR_MIL>
        <CUR_COD>USD</CUR_COD>
        <RAT_PLA_COD>WD</RAT_PLA_COD>
    </RAT_INF>
</CAR_ITM>
</CAR_SEG_INF>
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    <ITN_IVC>
        <ITM_COU>2</ITM_COU>
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            <RMK_TXT>U05</RMK_TXT>
        </RMK_ITM>
        <RMK_ITM>
            <RMK_NUM>2</RMK_NUM>
            <RMK_TXT>U05</RMK_TXT>
        </RMK_ITM>
    </ITN_IVC>
</RMK_INF>
<PNR_INF>
    <TIC_INF>T</TIC_INF>
    <TEL_INF>
        <ITM_COU>1</ITM_COU>
        <TEL_NUM>
            <SID>92I</SID>
            <NUM>N</NUM>
        </TEL_NUM>
    </TEL_INF>
</PNR_INF>
</DPW8>

```

Glossary

Term	Definition
Display PNR (DPW-8)	XMLPro Display PNR version 8 response

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