

# Galileo 360° Fares™

**International Public Fares**

**Advisories – Phase 1**

*Version 2 – Updates and New Advisories*

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**GALILEO360°FARES**

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## **Note about Examples**

All screen examples and other inserts associated with system output are provided for illustration purposes only. They are provided as illustrative examples of system functionality, and are not meant to represent actual screen responses, fares or fare levels.

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## 1. Introduction

This document is a compilation of all updated and additional product advisories for the Phase 1 release of Galileo 360° Fares – International Public Fares. Each advisory is in its original draft format.

All of the advisories in section 2 are advisories that had been released as of version 2 of the Phase 1 advisory book, but have subsequently been updated. Generally, the updates are minor, and each update is highlighted so it is easily identifiable. Advisories from section 3 are all new advisories; therefore, any highlights used in that section are meant simply to highlight specific features of an example. None of the new advisories in section 3 represents the introduction of additional screen changes; however, they do serve to highlight additional enhancements with this release.

## 2. Changes to Previously Issued Product Advisories

### 2.1.1 Validated Fare Display for International City Pairs

#### 2.1.1.1 Internal Reference Number: 1.3.2

#### 2.1.1.2 Impact

Fare Products in the following areas will be affected as a result of the International Public Fares enhancements.

Products Impacted	North America	Intl Privates	Intl Publics
Fare Quote			
Fare Display		X	
Best Buy			
Best Buy Quote			
Fare Quote Planner			
Fare and Schedule Display			
Low Fare Shop Tool			
Calendar Shop			
Shopping Services			
Misc.			

#### 2.1.1.3 Background

The Validated Fare/Tariff Modifier enhancement for Fare Display is part of the Galileo 360° Fares project. The Validated Fare/Tariff Modifier is currently being processed for all North American domestic fare displays. This enhancement will now be expanded to include all International Private and Net Fare displays.

#### 2.1.1.4 Enhancement Description

Fare display inputs are based on validated and nonvalidated requests. Validated requests are the more restrictive of the two and require the validate modifier 'V.' When the validate modifier and travel date(s) are included, Galileo 360° Fares will process specific rule restrictions and eliminate those fares that do not meet the validation criteria.

For Phase 1, international fare displays will only permit validated fare/tariff displays that contain the Private or Net Fares modifier. In order to validate Private/Net Fare data, the input must contain both the validate modifier 'V' and the Private (:P) or Net Fare modifier (:C). The output will be validated Private/Net Fares. Public fares will not be included in the display.

For example, \$DNYCLAXV20JUN+UA:P on Apollo will process the rule validation categories based on the outbound date of 20Jun for private fares only. Inputting two travel dates allows the user to specify both the outbound and inbound travel dates.

The validated request requires at least one carrier code and no more than three carrier codes may be included in the request. If a validated request is made and no carrier code is input, the alert message CARRIER CODE REQUIRED is displayed. If the user inputs more than three carrier codes, the alert message MAX NBR CARRIERS EXCEEDED is displayed.

Following are the three validation options that are provided in order to eliminate certain fares from the Validated Fare Display. The validation option can be included either before or after the city pair. For example, the user can enter \$DV15DECMIALON+CO:C or \$DMIALONV15DEC+CO:C for the Apollo system.

The year can be included as an option when the date(s) is entered, using the DDMMYY format, for example, \$DMIALONV29MAY04+CO:P.

V	\$DMIALONV+UA:P
V15DEC	\$DMIALONV15DEC+CO:C
V15DEC30DEC	\$DMIALONV15DEC30DEC+CO:P

The following rule categories are processed when determining the fares to be output in the Validated Fare display:

- 2. Day/Time (Day of week restrictions only, time of day not validated)
- 3. Seasonality
- 5. Adv Res/Ticketing
- 6. Minimum Stay
- 7. Maximum Stay
- 11. Blackout
- 14. Travel Restrictions
- 15. Sales Restrictions

In addition to the validated fares, the message SEASONALITY/PROHIBITED TRAVEL DATES/DAY-OF-WEEK VALIDATED is displayed indicating that the rule categories have been validated and that the result is a 'validated fare display.'

Other private fare modifiers may be used in combination with the :P/:C modifiers, except for -PRIVATE, which is not permitted. For example, PRI-ACC may be included in the input string.

## Error Messages

The current message V MODIFIER NOT ALLOWED FOR INTL will be changed for Phase 1 to **V MODIFIER REQUIRES NET OR PFARES.**

2.1.1.5 Validated Fare/Tariff Display Examples

Examples shown are for illustrative purposes only.

**Example 1:**

**Apollo — International Display**

Validation Modifier with One Input Date 'Plus' Private Fare Modifier

Output: Private Fares Based on Validation Process

```

FARES LAST UPDATED 29MAY 09:04PM
>$DV02JUNMIALON+UA:P
MIA-LON FRI-30MAY03 UA
MPM 5316 AT
TAXES/FEES NOT INCLUDED
ADULT FARES/PRIVATE FARES FOR N17
SEASONALITY/PROHIBITED TRAVEL DATES/DAY-OF-WEEK VALIDATED
      CX  FARE  FARE      C  AP  MIN/  SEASONS..... MR GI
DT
      USD  BASIS      MAX
1 -UA  735.00  QLXESN  Q  14+      22APR3-15JUN3 R  AT D
TD: NWT15

```

**Example 2:**

**Apollo — International Display**

Validation Modifier with One Input Date 'Plus' Private Fare Modifier

Output: Applicable Fare Based on 2. Day/Time

- QLXESN is valid for travel:
  - From Chicago — Travel Permitted MON, TUE, WED
  - From London — Travel Permitted SAT, SUN
- QLWESN is valid for travel:
  - From Chicago — Travel Permitted FRI, SAT, SUN
  - From London — Travel Permitted MON, TUE



Input = \$DCHILONV02JUN+UA (02JUN = MONDAY)

Output = QLXESN fare only. The QLWESN fare is not displayed since output date equals Monday.

```
FARES LAST UPDATED 29MAY 09:04PM
>$DCHILONV02JUN+UA:P
CHI-LON MON-02JUN03 UA
MPM 4740 AT
TAXES NOT INCLUDED
ADULT FARES/PRIVATE FARES FOR N17
SEASONALITY/PROHIBITED TRAVEL DATES/DAY-OF-WEEK VALIDATED
CX FARE FARE C AP MIN/ SEASONS..... MR GI
DT
USD BASIS MAX
1 -UA 750.00 QLXESN Q 14+ 22APR3-15JUN3 R AT D
TD: NWT15
```

**Note: As phase 2 and phase 3 are implemented, the validated display will be extended to include all fare display requests wholly within one country with phase 2, and any fare display request with phase 3.**

**Example 3:**

**Apollo – International Display**

Validation Modifier/No Private or Net Fare Modifier Included

Output: Default Message

```
)>$DNYCLONV15DEC#UA  
V MODIFIER REQUIRES NET OR PFARES
```

2.1.2 Error Messages when Fare Break Modifiers are Used.

2.1.2.1 Internal Reference Number: 2.1.3

2.1.2.2 Impact

Fare Products in the following areas will be affected as a result of the International Public Fares enhancements.

Products Impacted	North America	Intl Privates	Intl Publics
Fare Quote	X	X	X
Fare Display			
Best Buy	X	X	X
Best Buy Quote			
Fare Quote Planner			
Fare and Schedule Display			
Low Fare Shop Tool			
Calendar Shop			
Shopping Services			
Misc.			

2.1.2.3 Background

Fare break modifiers are used in pricing to override system-selected fare breakpoints when alternate fare break points are desired. Phase 1 implements new error messages when a fare break modifier is used on an invalid segment or an invalid combination of modifiers is used.

2.1.2.4 Enhancement Description

The current break modifiers are MB (must break), OB (only break) and NB (no break). These modifiers are used by pricing to override the system selected-fare breakpoints when alternate fare break points are desired. In Apollo, the departure airport of a flight segment is considered the fare breakpoint airport.

Below are examples of error messages when the break modifiers are used on an invalid segment or there is an invalid combination of modifiers used. **This does not include FQP, which will continue to use existing error messages.**

**Example 1 — Fare Break at Origin Point — Apollo Only**

Since the departure airport in Apollo is considered the fare breakpoint airport, requesting a break modifier at segment one would be invalid. Itinerary example below:

1	TK1826J	10OCT	ORYIST	GK1	1220P	445P	FR
2	TK 140J	10OCT	ISTESB	GK1	600P	700P	FR
3	ARNK						
4	TK1825Y	15OCT	ISTORY	GK1	840A	1115A	WE

Input: \$BMB1

The current 1V error message: ERROR 47 - INVALID FORMAT/DATA FOR MODIFIER 1

The new error message: ERROR 8958 - INVALID FAREBREAK REQUEST

### Example 2 — Invalid Combination of Break Modifiers — Apollo

The ONLY BREAK modifier cannot be used in conjunction with the MUST BREAK modifier since the result is a conflicting request. When these two modifiers are used in conjunction with one another, an error message is displayed.

In Apollo, when this invalid combination of modifiers is used, a quote is returned and an error message is not displayed. With this release, this will no longer quote and the error message ERROR 5901 - MODIFIER COMBINATION NOT ALLOWED will be output.

For anyone still on the Apollo non-TIER path, the message MODIFIER COMBINATION NOT ALLOWED will continue to be output.

2.1.3 Rules Text Enhancements

2.1.3.1 Internal Reference Number: 4.3.1

2.1.3.2 Impact

Fare Products in the following areas will be affected as a result of the International Public Fares enhancements.

Products Impacted	North America	Intl Privates	Intl Publics
Fare Quote	As a Follow-On	As a Follow-On	
Fare Display	As a Follow-On	As a Follow-On	
Best Buy	As a Follow-On	As a Follow-On	
Best Buy Quote	As a Follow-On	As a Follow-On	
Fare Quote Planner	As a Follow-On	(removed)	
Fare and Schedule Display	As a Follow-On		
Low Fare Shop Tool	As a Follow-On	As a Follow-On	
Calendar Shop	As a Follow-On	As a Follow-On	
Shopping Services	As a Follow-On	As a Follow-On	
Misc.			

2.1.3.3 Background

The rules text display contains the description of fare restrictions based on the rules that apply to that fare. The Galileo 360° Fares rules text is a display of this rules data as received in the automated rules product. This data will continue to be retrieved and displayed as it is today. This advisory details planned enhancements in the inputs to retrieve the rules text information.

2.1.3.4 Enhancement Description

The Galileo 360° Fares International Public Fares project, Phase 1, implements a new input to display text by category abbreviation. All text data that is currently displayed using the category 'number' will be displayed when the corresponding 'abbreviation' is used.

In addition, this implementation sees the introduction of three other enhancements:

- Two new category names, DISC and DATE. These are the combination of several applicable rule paragraphs, and
- The alpha character 'P,' which currently prefaces a rules paragraph request in IFQ Apollo, becomes optional.
- Industry standard (ATPCO) passenger types will be displayed in the rules text menu as applicable.

Direct Rule Display

The DATE and DISC category names will be introduced for the North American Galileo 360° Fares direct rule display.

The automated text product is not part of Agency Private Fares v1.0 and v3.0. These text products remain unchanged.

2.1.3.5 Standard Paragraph Numbers and Abbreviations

The following lists the ATPCO standard paragraph numbers, paragraph names and three-character abbreviations. With this implementation, these may be used in the rules text display request for International Airline Private Fares.

Note — Paragraph 0, abbreviation APP is non ATPCO standard.

Paragraph Number	Paragraph Name	Three Character Abbreviated Name
0	Application and Other Conditions	APP
1	Eligibility	WHO
2	Day / Time	DAY
3	Seasonality	SEA
4	Flight Application	FLT
5	Advance Res/Ticketing	ADV
6	Minimum Stay	MIN
7	Maximum Stay	MAX
8	Stopovers	STP
9	Transfers	TRF
10	Permitted Combinations	CMB
11	Blackout Dates	B/O
12	Surcharges	SUR
13	Accompanied Travel	ACC
14	Travel Restrictions	TVL
15	Sales Restrictions	TKT
16	Penalties	CHG
17	HIP/Mileage Exceptions	HIP
18	Ticket Endorsements	END
19	Children Discounts	CHD
20	Tour Conductor Discounts	TUC
21	Agent Discounts	AGT
22	All Other Discounts	DSC
23	Miscellaneous Provisions	MIS
25	Fare By Rule	FBR
26	Groups	GRP
27	Tours	TUR
28	Visit Another Country	VAC
29	Deposits	DEP
31	Voluntary Changes	VOL
35	Negotiated Fares	NET

2.1.3.6 New Category Names for Multiple Paragraphs

Two new paragraph abbreviations, DATE (dates) and DISC (discount), will display the text for the categories associated to dates or discounts in the rule.

The paragraph abbreviation DATE will display all the text for the following categories. There is no numeric associated to DATE.

2	Day / Time
3	Seasonality
11	Blackout Dates
14	Travel Restrictions
15	Sales Restrictions

The paragraph abbreviation DISC will display all the text for the following categories. There is no numeric associated to DISC.

19	Children Discounts
20	Tour Conductor Discounts
21	Agent Discounts
22	All Other Discounts
25	Fare By Rule

2.1.3.7 Examples of Follow-on entries

The following Apollo examples display specific paragraphs as a follow-on from Fare Display or Fare Quote and using the numeric and/or abbreviation.

The input to request specific paragraphs in Apollo for an IFQ Fare Quote follow-on, are currently preceded by the alpha 'P.' (e.g., FN1/PMIN). With this change, the alpha 'P' will be optional.

**NOTE:** Galileo 360° Fares for North American fares has already been implemented and those fare display and fare quote follow-on entries will remain as the same. The only change to North American fares is the introduction of the paragraph abbreviations DISC and DATE.

**Example 1 — Single Paragraph Request — Apollo**

This is a follow-on request for paragraph 20, Tour Conductor, which is abbreviated TUC.

Fare Display Follow-on Input:

\$V4/TUC

Response:

4	LHRPAR	MO-10NOV3	BA	GBP32.00R	NEUNBA	BK-
N						
20.	TOUR CONDUCTOR DISCOUNTS					
	NONE UNLESS OTHERWISE SPECIFIED					

Fare Quote Follow-on Input (International Fares only):

FN1/PTUC or FN1/TUC (Alpha 'P' is optional.)

Response:

QUOTE 01
01 LHR-CDG MO-10NOV3 BA NUC 26.38 NEUNBA
20. TOUR CONDUCTOR DISCOUNTS
NONE UNLESS OTHERWISE SPECIFIED



**Example 2 — Multiple Paragraph Request — Apollo**

This is a follow-on request for three categories using both the numeric and the three-character abbreviation.

Fare Display Follow-on Input:

\$V1/ADV+17#TUC

Response:

```
1 HKGMEL WE-10SEP3 QF      HKD13110R KLEE60C  STAY 05/60  BK-
K
5. ADVANCE RES/TICKETING
  UNLESS OTHERWISE SPECIFIED
  TICKETING IS NOT PERMITTED UNTIL 12 MONTHS BEFORE
  DEPARTURE.
  OPEN RETURNS PERMITTED.
17. HIP/MILEAGE EXCEPTIONS
  UNLESS OTHERWISE SPECIFIED
  NOTE -
  THE MILEAGE SYSTEM DOES NOT APPLY.
20. TOUR CONDUCTOR DISCOUNTS
  UNLESS OTHERWISE SPECIFIED
  TOUR CONDUCTOR - NO DISCOUNT.
```

Fare Quote Follow-on Input (International Fares only):

FN1/PADV/17/TUC or FN1/ADV/17/TUC ('P' optional)

Response:

```
QUOTE 01
01   HKG-MEL      WE-10SEP3  QF      NUC      840.53 KLEE60C
5. ADVANCE RES/TICKETING
  UNLESS OTHERWISE SPECIFIED
  TICKETING IS NOT PERMITTED UNTIL 12 MONTHS BEFORE
  DEPARTURE.
  OPEN RETURNS PERMITTED.
17. HIP/MILEAGE EXCEPTIONS
  UNLESS OTHERWISE SPECIFIED
  NOTE -
  THE MILEAGE SYSTEM DOES NOT APPLY.
20. TOUR CONDUCTOR DISCOUNTS
  UNLESS OTHERWISE SPECIFIED
  TOUR CONDUCTOR - NO DISCOUNT.
```

**Example 3 — Paragraph Requests using Ranges and/or Individual Categories — Apollo**

Fare Display Follow-on Input:

\$V4/WHO+4+MIN-8+11-ACC

Fare Quote Follow-on Input (International Fares only): (Alpha 'P' is optional.)

FN1/PWHO/4/MIN-8/11-ACC or FN1/WHO/4/MIN-8/11-ACC

2.1.3.8 Error Messages

When invalid categories or categories not applicable are requested, the response may be an error message, text display or the rules menu. Following is a menu display and examples of responses.

```

1 LHRJNB MO-10NOV3 SA      GBP531.00R STXAPGB1 STAY 07/3M  BK-
S
0.APPLICATION      2.DAY/TIME          3.SEASONS          4.FLT APPS
5.ADV RES/TKTG    6.MIN STAY          7.MAX STAY         8.STOPOVERS
9.TRANSFERS       10.COMBINATIONS    15.SALES RESTR    16.PENALTIES
18.TKT ENDORSE    19.CHILDREN        20.TOUR CON       21.AGENT DISC
22.OTHER DISC
    
```

From the rules menu above, the agent requests to see Surcharges, Category 12, which is not applicable to this fare. Since Category 12 (Surcharges) does not exist for this fare, the response will be: CATEGORY NOT FOUND. Examples below:

**Example 1 — Category Not Found — Apollo**

FD Follow-on Input (NAFQ/IFQ):

\$V4/SUR

Response:

```

CATEGORY NOT FOUND
▶
    
```

**Example 2 — Category Not Found — Apollo**

FQ Follow-on Input (IFQ only): (Alpha 'P' is optional.)

FN1/12 or FN1/P12

Response:

```

QUOTE      1
FARE COMPONENT BASIS
   1  LHR-JNB  STXAPGB1
   2  JNB-LHR  STXAPGB1

▶FN1/P12
CATEGORY NOT FOUND
▶
    
```

From the same menu on the previous page, the agent requests to see the text for minimum stay, stopovers and blackout dates. In this case, the response will be the rules text for minimum stay and stopovers. Blackout dates do not apply to this fare, but the text for those categories that do apply will be displayed. **Examples below:**

**Example 3 — Some Categories Not Found — Apollo**

FD Follow-on Input (NAFQ/IFQ):

\$V1/MIN#8#11

Response:

```
1 LHRJNB MO-10NOV3 SA GBP548.00R STXAPGB1 STAY 07/3M BK-
S
6. MINIMUM STAY
  UNLESS OTHERWISE SPECIFIED

  RETURN TRAVEL FROM LAST INTERNATIONAL STOPOVER MUST
  COMMENCE NO EARLIER THAN 7 DAYS AFTER DEPARTURE OF THE
  FIRST INTERNATIONAL SECTOR.
8. STOPOVERS
  NONE UNLESS OTHERWISE SPECIFIED
```

**Example 4 — Some Categories Not Found — Apollo**

FQ Follow-on Input (IFQ only): (Alpha 'P' is optional.)

FN1/PMIN/8/11

Response:

```
QUOTE 01
01 LHR-JNB MO-10NOV3 SA NUC 451.89 STXAPGB1
6. MINIMUM STAY
  UNLESS OTHERWISE SPECIFIED

  RETURN TRAVEL FROM LAST INTERNATIONAL STOPOVER MUST
  COMMENCE NO EARLIER THAN 7 DAYS AFTER DEPARTURE OF THE
  FIRST INTERNATIONAL SECTOR.
8. STOPOVERS
  NONE UNLESS OTHERWISE SPECIFIED
▶
```

Again, from the same menu, the requests is to see minimum stay but is typed in as MIM (/PMIM) instead of MIN (/PMIN). The response is to display the menu again. The same would apply if an invalid numeric was requested such as paragraph 44, which is not a valid paragraph number.

**Example 5 — Mis-Typed Category — Apollo**

FD Follow-on Input (NAFQ/IFQ):

\$V1/MIM

Response:

```
▶$V1/MIM
 1 LHRJNB MO-10NOV3 SA      GBP531.00R STXAPGB1 STAY 07/3M  BK-
S
0.APPLICATION      2.DAY/TIME          3.SEASONS           4.FLT APPS
5.ADV RES/TKTG     6.MIN STAY          7.MAX STAY           8.STOPOVERS
9.TRANSFERS        10.COMBINATIONS    15.SALES RESTR      16.PENALTIES
18.TKT ENDORSE     19.CHILDREN         20.TOUR CON          21.AGENT DISC
22.OTHER DISC
```

**Example 6 — Mis-Typed Category — Apollo**

FD Follow-on Input (NAFQ/IFQ):

FN\*1/MIM

Response:

```
▶FN*1/MIM
QUOTE 01
 1 LHRJNB MO-10NOV3 SA      GBP531.00R STXAPGB1 STAY 07/3M  BK-
S
0.APPLICATION      2.DAY/TIME          3.SEASONS           4.FLT APPS
5.ADV RES/TKTG     6.MIN STAY          7.MAX STAY           8.STOPOVERS
9.TRANSFERS        10.COMBINATIONS    15.SALES RESTR      16.PENALTIES
18.TKT ENDORSE     19.CHILDREN         20.TOUR CON          21.AGENT DISC
22.OTHER DISC
```

2.1.4 FIC Enhancements

2.1.4.1 Internal Reference Numbers: 2.6.3, 12.5.2

2.1.4.2 Impact

Fare Products in the following areas will be affected as a result of the International Public Fares enhancements.

Products Impacted	North America	Intl Privates	Intl Publics
Fare Quote	X	X	X
Fare Display			
Best Buy			
Best Buy Quote			
Fare Quote Planner	X	X	X
Fare and Schedule Display			
Low Fare Shop Tool			
Calendar Shop			
Shopping Services			
Misc.			

2.1.4.3 Background

The Fare Identification Code (FIC) modifier is an override which enables the user to instruct by fare component a specific fare basis (fare class) code to use in the pricing response. When used in a pricing entry, the FIC modifier overrides most rule restrictions as necessary and returns the lowest fare at the fare basis code entered. A user may specify a fare basis code for an entire itinerary or portion of an itinerary. The response is the lowest fare at the fare basis code specified regardless of rules, and includes a message informing the user which rules were overridden.

The Phase 1 implementation includes the following enhancements to the FIC product:

- FIC'd fares which pass rules validation will retain a guaranteed status — applies to ALL fares including legacy international public fares
- An alert will be output to advise what rules failed in cases where FIC is not allowed to override and a pricing failure results — applies to North America and international private fares only

2.1.4.4 Enhancement Description

**Guarantee FIC No Failure**

Currently, when the FIC modifier is used to price an itinerary and there are no rules violations, the fare is not guaranteed.

With this enhancement, when the FIC modifier is used to price an itinerary and there are no rules violations, the fare will be guaranteed.

### **Apollo — Public Fares FIC**

Apollo® does not store a Fare Status Indicator in the ATFQ.

On Apollo®, when FIC is used and there are no rules violations, there is no indicator in the pricing response output that the quote is or is not guaranteed. The FCI code on the ticket, however, is '6' or '9' — fare not guaranteed, with current processing.

With this enhancement, when FIC is used and all rules pass, the FCI code on the ticket will be '0' or '3,' which indicates that the fare is guaranteed.

### **Apollo — Agency Private Fares™ FIC**

On Apollo, the FCI code on the ticket is '6' or '9' — fare is not guaranteed. When FIC is used and there are no rules violations, the FCI code will continue to reflect a nonguaranteed status. There is no change to fare guarantee status of Agency Private Fares™ with this enhancement.

### **Apollo — Airline Private Fares™ FIC**

Airline Private Fares™ are guaranteed when autopriced. With this enhancement, when FIC is used and there are no rules violations, the fare will be guaranteed as well. The FCI code on the ticket will be '4' — fare is guaranteed.

### **Identify FIC Failure**

There are some rule categories that FIC does not override. Currently, when FIC encounters a rule that cannot be overridden to produce a fare quote, the system outputs `NO VALID FARE FOR INPUT CRITERIA`. With this enhancement, an alert will be output for each failure indicating what rule failed.

The following rules are not overridden by use of FIC, and fares are not guaranteed:

- Category 8 (Stopovers) — North America only
- Routes — North America only
- Category 14 dates (Travel Restrictions)
- Category 15 dates (Sales Restrictions)
- Category 15/35 security (Sales Restrictions/Negotiated Fares) — Private Fares (agencies only)
- Category 1/Record 8 account code (ELIGIBILITY) — Private Fares
- Mileage surcharge over 25% — International only
- No TPM/MPM — International only
- Fare effective/discontinue dates
- Directionality

If a FIC attempt causes a failure of private fare security for non-airline users, directionality or fare effective/discontinue dates, the system will continue to output 'NO VALID FARE FOR INPUT CRITERIA'. Failures caused by other rules listed above will generate a new alert, advising the user what rule failure caused the pricing attempt to fail.

**Example 1 — Apollo — FIC does not override stopover rules for North American fares.**

Itinerary

1	AA1061V	10JAN	BOSORD	HK1	751A	939A	SA	
2	AA2321V	13JAN	ORDDFW	HK1	1130A	156P *	TU	E
3	AA 526V	18JAN	DFWBOS	HK1	1128A	358P	SU	

AA has an HE14NR fare BOS-DFW that does not permit stopovers. Currently, if the above itinerary is FIC'd at the HE14NR fare, the following response is shown.

Current Response:

>\$B@HE14NR NO VALID FARE FOR INPUT CRITERIA
-------------------------------------------------

With this enhancement, the following alert will be returned for a category 8 failure of a North American fare.

New Response:

>\$B@HE14NR NO VALID FARE - FAILED STOPOVERS
-------------------------------------------------



The following messages will be output for the categories that can not be overridden with FIC and do not produce a fare quote.

Restriction	Alert
Category 8 – Stopovers	NO VALID FARE – FAILED STOPOVERS
Routes	NO VALID FARE – FAILED ROUTING
Category 14 – Travel Restrictions	NO VALID FARE – FAILED TRAVEL RESTRICTIONS
Category 15 – Sales Restrictions	NO VALID FARE – FAILED SALES RESTRICTIONS
Category 1/Record 8 – Account Code	NO VALID FARE – FAILED ELIGIBILITY
Mileage surcharge over 25M	NO VALID FARE – EXCEEDS 25M SURCHARGE BAND (no change from current process)
No TPM/MPM	NO VALID FARE – xxx NOT FOUND (where xxx = TPM or MPM as applicable)

### 3. New Product Advisories

#### 3.1.1 Display Individual Q Surcharges

##### 3.1.1.1 Internal Reference Number (2.4.1)

##### 3.1.1.2 Impact

Fare Products in the following areas will be affected as a result of the International Public Fares enhancements.

Products Impacted	North America	Intl Privates	Intl Publics
Fare Quote	X	X	X
Fare Display			
Best Buy	X	X	X
Best Buy Quote	X	X	X
Fare Quote Planner	X	X	X
Fare and Schedule Display			
Low Fare Shop Tool	X	X	X
Calendar Shop	X	X	X
Shopping Services	X	X	X
Misc.			

##### 3.1.1.3 Background

Airlines and governments are able to impose surcharges on air travel. In some cases, more than one surcharge may apply to a single air segment. Today, most surcharges are 'grouped' together for the same segment and one total amount is displayed in the linear.

##### 3.1.1.4 Enhancement Description

With this enhancement, when a priced segment of an itinerary has more than one applicable surcharge, a separate Q and surcharge amount will appear in the linear for each surcharge. These will appear following the end city of the segment to which they apply. The order of the surcharges may be arbitrary.

The following pages first illustrate the surcharges grouped together and then broken out for each sector they apply to.

NOTE: All examples are for illustrative purposes.

**Example 1:**

**Apollo — Two Surcharges on one segment:**

- JFK LON round trip itinerary
- Outbound fare component NHXAPUS has two surcharges, a \$5.00 surcharge and a \$10.00 fuel surcharge.

```
NO NAMES  
1 BA 112N 23JUL JFKLHR HK1 630P 625A# WE/TH  
2 BA 117K 30JUL LHRJFK HK1 845A 1125A WE  
▶
```

Below is an example of two surcharge amounts currently grouped together.

```
▶$B-*N17  
*FARE GUARANTEED AT TICKET ISSUANCE*  
  
*PENALTY APPLIES*  
LAST DATE TO PURCHASE TICKET: 12JUL03  
$B-1 C10JUL03-SITI  
NYC BA LON Q15.00 259.00NHXAPUS BA NYC 359.00KHXAPUS  
NUC 633.00 ROE1.00  
FARE USD 633.00 TAX 32.99GB TAX 26.80US TAX 15.34UB TAX 8.00YQ  
TAX 7.00XY TAX 5.00YC TAX 3.10XA TAX 3.00XF TOT USD 734.23  
S1 NVA23APR  
S2 NVB30JUL/NVA30JUL  
E FEE FOR CHANGE-UPGRADE BA  
)▶
```

With this enhancement, the two surcharges are each listed following the end city of the segment they apply to.

```
▶$B-*N17  
*FARE GUARANTEED AT TICKET ISSUANCE*  
  
*PENALTY APPLIES*  
LAST DATE TO PURCHASE TICKET: 12JUL03  
$B-1 C10JUL03-SITI  
NYC BA LON Q5.00 Q10.00 259.00NHXAPUS BA NYC 359.00KHXAPUS  
NUC 633.00 ROE1.00  
FARE USD 633.00 TAX 32.99GB TAX 26.80US TAX 15.34UB TAX 8.00YQ  
TAX 7.00XY TAX 5.00YC TAX 3.10XA TAX 3.00XF TOT USD 734.23  
S1 NVA23APR  
S2 NVB30JUL/NVA30JUL  
E FEE FOR CHANGE-UPGRADE BA  
)▶
```

**Example 2:**

**Apollo: — Surcharges for each city on a connection.**

- SJO via MIA to MAD RT
- \$3.00 airport surcharge per direction for travel via MIA,  
\$5.00 security surcharge per direction for Transatlantic sectors  
\$1.00 surcharge per direction when travel is to/from/via Costa Rica.

1.	AA	988	Y	15APR	SJOMIA	HK1	1245	1742		TH
2.	AA	68	Y	15APR	MIAMAD	HK1	1905	#0945		TH
3.	AA	69	Y	27APR	MADMIA	HK1	1145	1510		TU
4.	AA	981	Y	27APR	MIASJO	HK1	1700	1749		TU

Below is an example of the three surcharges currently grouped together.

```
>$B-*N17
*FARE GUARANTEED AT TICKET ISSUANCE*

LAST DATE TO PURCHASE TICKET: 15APR04
$B-1 C05DEC03-SITI
SJO AA X/MIA AA MAD Q9.00 M1306.00Y AA X/MIA AA SJO Q9.00
M1306.00Y
NUC 2630.00 ROE1.00
FARE USD 2630.00 EQU CRC 1057839 TAX 52892CR TAX 5632XY TAX
4022YC TAX 2494XA TAX 2413CS TOT CRC 1125292
RATE USED IN EQU TOTAL IS BSR 1USD - 402.22CRC
US PFC: MAY APPLY
BAGGAGE ALLOWANCE: 2PC
```

With this enhancement, each surcharge is listed following the end city of the segment to which it applies.

```
>$B-*N17
*FARE GUARANTEED AT TICKET ISSUANCE*

LAST DATE TO PURCHASE TICKET: 15APR04
$B-1 C05DEC03-SITI
SJO AA X/MIA Q3.00 AA MAD Q5.00 Q1.00 M1306.00Y AA X/MIA Q3.00
AA
SJO Q5.00 Q1.00 M1306.00Y
NUC 2630.00 ROE1.00
FARE USD 2630.00 EQU CRC 1057839 TAX 52892CR TAX 5632XY TAX
4022YC TAX 2494XA TAX 2413CS TOT CRC 1125292
RATE USED IN EQU TOTAL IS BSR 1USD - 402.22CRC
US PFC: MAY APPLY
BAGGAGE ALLOWANCE: 2PC
```

3.1.2 2.8 Auto Rules Filing Advisory — Category 35 Security

3.1.2.1 Category 35 H & U Values (2.8.15)

3.1.2.2 Impact

Fare Products in the following areas will be affected as a result of the International Public Fares enhancements.

Products Impacted	North America	Intl Privates	Intl Publics
Fare Quote	X	X	
Fare Display	X	X	
Best Buy	X	X	
Best Buy Quote	X	X	
Fare Quote Planner	X	X	
Fare and Schedule Display	X	X	
Low Fare Shop Tool	X	X	
Calendar Shop	X	X	
Shopping Services	X	X	
Misc.			

3.1.2.3 Background

The Next Generation Global Fares (NGGF) project includes enhancements to the current Category 35 security process for private fares. This enhancement will improve the distribution and utilization of private fares

3.1.2.4 Enhancement Description

The Private Fare security process includes validation of Category 35. Today the Redistribution indicator in the table 983 is interrogated regardless of the value in the TYP field of the table. This process will be corrected to interrogate only the Redistribution indicator when the TYP field is equal to I, H, T or U. The values are defined as:

- I — IATA Travel Agency Number
- H — Home IATA Agency Number
- T — Travel Agency Code
- U — Home Travel Agency Code

If the Redistribution indicator is set to No and we are NOT in redistribution mode, the Requestor PCC/IATA must match the value coded in the TYP field of either I, H, T or U and its corresponding value in the Location field . If there is no match, security fails.

If the Redistribution indicator is set to No and we are in redistribution mode, the Provider PCC/IATA must match the value coded in the TYP field of either H or U and its corresponding value in the Location field. If there is no match, security fails.

If the Redistribution indicator is set to Yes, the Provider or Requestor PCC/IATA must match the value coded in the TYP field of either I, H, T or U and its corresponding value in the Location field. If there is no match, security fails. Redistribution mode is not interrogated in this instance.

3.1.2.5 Table Representation of Processing

Redistribution Mode	983 Redistribution Indicator – byte 41	Match to Cat.35 with these values – byte 31 & 32-36
Y	Y	H, U, I, T
N	N	H, U, I, T
Y	N	H, U
N	Y	H, U, I, T

3.1.2.6 Data Representation

on

Data Representation — When Requester / Provider not equal (Redistribution request)

	REQUESTOR	PROVIDER PCC/IATA	TYPE CODE	LOCATION CODE	REDISTRIBUTE INDICATOR	RESULT
1	ABC	XYZ 1234567	H	1234567	Y	<b>PASS</b>
2	ABC	XYZ 1234567	H	1234567	N	<b>PASS</b>
3	ABC	XYZ 1234567	H	9876543	Y	<b>FAIL</b> (no match)
4	ABC	XYZ 1234567	H	9876543	N	<b>FAIL</b> (no match)
5	ABC	XYZ 1234567	U	XYZ	Y	<b>PASS</b>
6	ABC	XYZ 1234567	U	XYZ	N	<b>PASS</b>
7	ABC	XYZ 1234567	U	DEF	Y	<b>FAIL</b> (no match)
8	ABC	XYZ 1234567	U	DEF	N	<b>FAIL</b> (no match)
9	ABC	XYZ 1234567	I	1234567	Y	<b>PASS</b>
10	ABC	XYZ 1234567	I	1234567	N	<b>FAIL</b> (redistribution not allowed)
11	ABC	XYZ 1234567	I	9876543	Y	<b>FAIL</b> (no match)
12	ABC	XYZ 1234567	I	9876543	N	<b>FAIL</b> (no match)
13	ABC	XYZ 1234567	T	XYZ	Y	<b>PASS</b>
14	ABC	XYZ 1234567	T	XYZ	N	<b>FAIL</b> (redistribution not allowed)
15	ABC	XYZ 1234567	T	DEF	Y	<b>FAIL</b> (no match)
16	ABC	XYZ 1234567	T	DEF	N	<b>FAIL</b> (no match)

Data Representation — When Requester / Provider equal (Redistribution is not requested)

	REQUESTOR	PROVIDER PCC/IATA	TYPE Cpde	LOCATION CODE	REDISTRIBUTE INDICATOR	RESULT
1	XYZ	XYZ 1234567	H	1234567	Y	<b>PASS</b>
2	XYZ	XYZ 1234567	H	1234567	N	<b>PASS</b>
3	XYZ	XYZ 1234567	H	9876543	Y	<b>FAIL</b> (no match)
4	XYZ	XYZ 1234567	H	9876543	N	<b>FAIL</b> (no match)
5	XYZ	XYZ 1234567	U	XYZ	Y	<b>PASS</b>
6	XYZ	XYZ 1234567	U	XYZ	N	<b>PASS</b>
7	XYZ	XYZ 1234567	U	DEF	Y	<b>FAIL</b> (no match)
8	XYZ	XYZ 1234567	U	DEF	N	<b>FAIL</b> (no match)
9	XYZ	XYZ 1234567	I	1234567	Y	<b>PASS</b>
10	XYZ	XYZ 1234567	I	1234567	N	<b>PASS</b>
11	XYZ	XYZ 1234567	I	9876543	Y	<b>FAIL</b> (no match)
12	XYZ	XYZ 1234567	I	9876543	N	<b>FAIL</b> (no match)
13	XYZ	XYZ 1234567	T	XYZ	Y	<b>PASS</b>
14	XYZ	XYZ 1234567	T	XYZ	N	<b>PASS</b>
15	XYZ	XYZ 1234567	T	DEF	Y	<b>FAIL</b> (no match)
16	XYZ	XYZ 1234567	T	DEF	N	<b>FAIL</b> (no match)

3.1.3 Use \*PTC to Price Alert Message

3.1.3.1 Internal Reference Number (4.3.3)

3.1.3.2 Impact

Fare Products in the following areas will be affected as a result of the International Public Fares enhancements.

Products Impacted	North America	Intl Privates	Intl Publics
Fare Quote Follow-On	As a Follow-On	As a Follow-On	
Fare Display Follow-On	As a Follow-On	As a Follow-On	
Best Buy	As a Follow-On	As a Follow-On	
Best Buy Quote	As a Follow-On	As a Follow-On	
Fare Quote Planner	As a Follow-On	As a Follow-On	
Fare and Schedule Display			
Low Fare Shop Tool	As a Follow-On	As a Follow-On	
Calendar Shop	As a Follow-On	As a Follow-On	
Shopping Services			
Misc.			

3.1.3.3 Background

Currently in Galileo 360° Fares for North American and International Private Fares, an alert message, USE \*XXX TO PRICE, is displayed in the rules text follow-on. This alert displays the legacy Apollo Passenger Identification Code (PIC) to be used for pricing when there is a direct correlation between an industry standard Passenger Type Code (PTC) and the Apollo PIC. When that correlation does not exist, the PTC is output.

With this implementation, the alert will now only display the PTC to be used for pricing. The legacy PIC codes will no longer be displayed.



### 3.1.3.4 Enhancement Description

With this enhancement, rules text will now display the Industry Standard Passenger Type Code to be used for pricing for all North American fares and all International Private Fares. This will be displayed in all rules follow-on requests from fare display or fare quote.

*(Note: All examples are for illustrative purposes only.)*

#### Example 1: Apollo® North American Public Fare

Below is an example of the current rules follow-on from a fare display for a North American public fare with a passenger type restriction.

INPUT: \$V6

RESPONSE:

```
>$V6
63 ORFSAN 10FEB04 US USD 150.00 QDG7 STAY---/-- BK-Q ✕
USE *GDP OR *GOV TO PRICE
0.APPLICATION      1.ELIGIBILITY     2.DAY/TIME        5.ADV RES/TKT
8.STOPOVERS        9.TRANSFERS       10.COMBINATIONS  12.SURCHARGES
14.TVL RESTR       15.SALES RESTR    16.PENALTIES      19.CHILDREN
26.GROUPS          31.VOL CHANGES
```

With this implementation, the rules follow on displays the alert message with the Industry Standard PTC code to use for pricing.

INPUT: \$V6

RESPONSE:

```
>$V6
63 ORFSAN 10FEB04 US USD 150.00 QDG7 STAY---/-- BK-Q ✕
USE *GDP OR *GVT TO PRICE
0.APPLICATION      1.ELIGIBILITY     2.DAY/TIME        5.ADV RES/TKT
8.STOPOVERS        9.TRANSFERS       10.COMBINATIONS  12.SURCHARGES
14.TVL RESTR       15.SALES RESTR    16.PENALTIES      19.CHILDREN
26.GROUPS          31.VOL CHANGES
```

**Example 2: Apollo® with an age restriction**

Industry Standard PTC's may have an age requirement and the age is to be input with the PTC. The age will be validated based on what the carrier has filed. Below is an example of a rules text follow-on with an age-restriction alert.

INPUT: \$V5

RESPONSE:

```
>$V5
5 HNLCHI 10FEB04 XX USD 899.40 VWR21YTH STAY-SU/-- BK-V VN
USE *YTH PLUS AGE TO PRICE
0.APPLICATION      1.ELIGIBILITY     2.DAY/TIME        5.ADV RES/TKT
6.MIN STAY         7.MAX STAY        8.STOPOVERS      9.TRANSFERS
10.COMBINATIONS   12.SURCHARGES    15.SALES RESTR   16.PENALTIES
18.TKT ENDORSE   19.CHILDREN      31.VOL CHANGES
```

**Example 3 Apollo® International Private Fare**

Below is an example of the current rules follow-on from a fare display for an International Private Fare with a passenger type restriction.

INPUT: \$V1

RESPONSE:

```
1 HOUMEX 10FEB04 XX USD 400.00 KNETWS STAY---/60 BK-K
USE *PFA TO PRICE
0.APPLICATION      5.ADV RES/TKTG   7.MAX STAY       8.STOPOVERS
10.COMBINATIONS   12.SURCHARGES   16.PENALTIES     18.TKT ENDORSE
19.CHILDREN      35.NET FARES
```