**Implement Highest Cabin Flown**

**March 18, 2015**

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| TTXPicture2 |  |

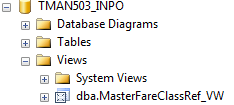


# Implementation of Update Highest Cabin Flown

Old process: used ***dba.ClassToCabin***

New process: use the ‘view’ ***dba.MasterFareClassRef\_VW*** which will be in the production database

1. Check to see if the view is created. Database operations will create this when building a new database.



1. Verify which comrmks text field to use. The standard is text 14 but some older implementations may have a different text field.
2. We will no longer ‘add’ new class and carrier as we did with classtocabin. If there is a question of the designation of a particular carrier and class, the consulting team will handle, led by Sam Young.
3. Report development will handle dictionary and report modifications.
4. I have the following query to show values returned for updating text14, this could be used to QC. You will need to change the server, database and iatanum.

select distinct cr.Text14,TS.MINSegmentCarrierCode,TS.MINInternationalInd ,substring(TS.MINClassOfService,1,1), case when alfourcosid.cabin is null then alfourcosidoth.cabin else alfourcosid.cabin end

, COUNT(\*)

FROM TTXPASQL09.TMAN503\_ESTEELAUDER.dba.InvoiceHeader IH

INNER JOIN TTXPASQL09.TMAN503\_ESTEELAUDER.dba.InvoiceDetail ID ON ( ID.RecordKey = IH.RecordKey AND ID.IataNum = IH.IataNum AND ID.ClientCode = IH.ClientCode )

INNER JOIN TTXPASQL09.TMAN503\_ESTEELAUDER.dba.ComRmks CR ON ( CR.RecordKey = ID.RecordKey AND CR.IataNum = ID.IataNum AND CR.SeqNum = ID.SeqNum AND CR.ClientCode = ID.ClientCode AND CR.IssueDate = ID.IssueDate )

INNER JOIN TTXPASQL09.TMAN503\_ESTEELAUDER.dba.Transeg TS ON ( TS.RecordKey = CR.RecordKey AND TS.IataNum = CR.IataNum AND TS.SeqNum = CR.SeqNum AND TS.ClientCode = CR.ClientCode AND TS.IssueDate = CR.IssueDate )

INNER JOIN TTXPASQL09.TMAN503\_ESTEELAUDER.dba.MasterFareClassRef\_VW ALFOURCOSIDOTH ON (ALFOURCOSIDOTH.AirlineCode = '\*\*'

AND ALFOURCOSIDOTH.StageCode = Case when isnull(TS.MINInternationalInd,'D') = 'D' then 'Domestic' when isnull(abs(ts.MINSegmentMileage),0) < 2500 then 'Regional'

else 'Intercontinental' end

AND ALFOURCOSIDOTH.FareClassCode = substring(TS.MINClassOfService,1,1) )

LEFT OUTER JOIN TTXPASQL09.TMAN503\_ESTEELAUDER.dba.MasterFareClassRef\_VW ALFOURCOSID ON (ALFOURCOSID.AirlineCode = TS.MINSegmentCarrierCode

AND ALFOURCOSID.StageCode = Case when isnull(TS.MINInternationalInd,'D') = 'D' then 'Domestic' when isnull(abs(ts.MINSegmentMileage),0) < 2500 then 'Regional'

else 'Intercontinental' end

AND ALFOURCOSID.FareClassCode = substring(TS.MINClassOfService,1,1) )

WHERE 1=1

AND ID.VoidInd = 'N'

AND ID.VendorType IN ('BSP','NONBSP') /\*Do we need to handle RAIL/ss\*/

AND ID.ValCarrierCode Not IN ('2V','2R')

AND TS.MinDestCityCode is not null

AND CR.Text14 = 'Not Provided'

AND ID.Iatanum IN ('ELCWT')

group by cr.Text14,TS.MINSegmentCarrierCode,TS.MINInternationalInd ,substring(TS.MINClassOfService,1,1), case when alfourcosid.cabin is null then alfourcosidoth.cabin else alfourcosid.cabin end

order by 2,3,4

1. The stored procedure will need to have the import date added to it, and again you will need to verify which test field, iatanum, server and database. I have added the logging piece to this query.

/\*

Added the following logic to update cr.Text14 - sq 3/13/2015

Updated logic for refunds outer join and refunds missing segments - sq 3/13/2015

\*/

SET @TransStart = getdate()

/\*First Class Cabin\*/

update cr

set cr.Text14 = case when alfourcosid.cabin is null then alfourcosidoth.cabin else alfourcosid.cabin end

FROM TTXPASQL09.TMAN503\_ESTEELAUDER.dba.InvoiceHeader IH

INNER JOIN TTXPASQL09.TMAN503\_ESTEELAUDER.dba.InvoiceDetail ID ON ( ID.RecordKey = IH.RecordKey AND ID.IataNum = IH.IataNum AND ID.ClientCode = IH.ClientCode )

INNER JOIN TTXPASQL09.TMAN503\_ESTEELAUDER.dba.ComRmks CR ON ( CR.RecordKey = ID.RecordKey AND CR.IataNum = ID.IataNum AND CR.SeqNum = ID.SeqNum AND CR.ClientCode = ID.ClientCode AND CR.IssueDate = ID.IssueDate )

INNER JOIN TTXPASQL09.TMAN503\_ESTEELAUDER.dba.Transeg TS ON ( TS.RecordKey = CR.RecordKey AND TS.IataNum = CR.IataNum AND TS.SeqNum = CR.SeqNum AND TS.ClientCode = CR.ClientCode AND TS.IssueDate = CR.IssueDate )

INNER JOIN TTXPASQL09.TMAN503\_ESTEELAUDER.dba.MasterFareClassRef\_VW ALFOURCOSIDOTH ON (ALFOURCOSIDOTH.AirlineCode = '\*\*'

AND ALFOURCOSIDOTH.StageCode = Case when isnull(TS.MINInternationalInd,'D') = 'D' then 'Domestic' when isnull(abs(ts.MINSegmentMileage),0) < 2500 then 'Regional'

else 'Intercontinental' end

AND ALFOURCOSIDOTH.FareClassCode = substring(TS.MINClassOfService,1,1) )

LEFT OUTER JOIN TTXPASQL09.TMAN503\_ESTEELAUDER.dba.MasterFareClassRef\_VW ALFOURCOSID ON (ALFOURCOSID.AirlineCode = TS.MINSegmentCarrierCode

AND ALFOURCOSID.StageCode = Case when isnull(TS.MINInternationalInd,'D') = 'D' then 'Domestic' when isnull(abs(ts.MINSegmentMileage),0) < 2500 then 'Regional'

else 'Intercontinental' end

AND ALFOURCOSID.FareClassCode = substring(TS.MINClassOfService,1,1) )

WHERE 1=1

AND ID.VoidInd = 'N'

AND ID.VendorType IN ('BSP','NONBSP') /\*Do we need to handle RAIL/ss\*/

AND ID.ValCarrierCode Not IN ('2V','2R')

AND TS.MinDestCityCode is not null

AND case when ALFOURCOSID.Cabin is null then ALFOURCOSIDOTH.Cabin else ALFOURCOSID.Cabin end = 'First'

AND CR.Text14 = 'Not Provided'

AND ID.Iatanum IN ('ELCWT')

AND IH.Importdt >= getdate()-10

EXEC dbo.sp\_LogProcErrors @ProcedureName=@ProcName,@LogStart=@TransStart,@StepName='Update Highest class flown - First',@BeginDate=@BeginIssueDate,@EndDate=@EndIssueDate,@IataNum=@Iata,@RowCount=@@ROWCOUNT,@ERR=@@ERROR

SET @TransStart = getdate()

/\*Business Class Cabin\*/

update cr

set cr.Text14 = case when alfourcosid.cabin is null then alfourcosidoth.cabin else alfourcosid.cabin end

FROM TTXPASQL09.TMAN503\_ESTEELAUDER.dba.InvoiceHeader IH

INNER JOIN TTXPASQL09.TMAN503\_ESTEELAUDER.dba.InvoiceDetail ID ON ( ID.RecordKey = IH.RecordKey AND ID.IataNum = IH.IataNum AND ID.ClientCode = IH.ClientCode )

INNER JOIN TTXPASQL09.TMAN503\_ESTEELAUDER.dba.ComRmks CR ON ( CR.RecordKey = ID.RecordKey AND CR.IataNum = ID.IataNum AND CR.SeqNum = ID.SeqNum AND CR.ClientCode = ID.ClientCode AND CR.IssueDate = ID.IssueDate )

INNER JOIN TTXPASQL09.TMAN503\_ESTEELAUDER.dba.Transeg TS ON ( TS.RecordKey = CR.RecordKey AND TS.IataNum = CR.IataNum AND TS.SeqNum = CR.SeqNum AND TS.ClientCode = CR.ClientCode AND TS.IssueDate = CR.IssueDate )

INNER JOIN TTXPASQL09.TMAN503\_ESTEELAUDER.dba.MasterFareClassRef\_VW ALFOURCOSIDOTH ON (ALFOURCOSIDOTH.AirlineCode = '\*\*' AND ALFOURCOSIDOTH.StageCode = Case when isnull(TS.MINInternationalInd,'D') = 'D' then 'Domestic' when isnull(abs(ts.MINSegmentMileage),0) < 2500 then 'Regional' else 'Intercontinental' end AND ALFOURCOSIDOTH.FareClassCode = substring(TS.MINClassOfService,1,1) )

LEFT OUTER JOIN TTXPASQL09.TMAN503\_ESTEELAUDER.dba.MasterFareClassRef\_VW ALFOURCOSID ON (ALFOURCOSID.AirlineCode = TS.MINSegmentCarrierCode AND ALFOURCOSID.StageCode = Case when isnull(TS.MINInternationalInd,'D') = 'D' then 'Domestic' when isnull(abs(ts.MINSegmentMileage),0) < 2500 then 'Regional' else 'Intercontinental' end AND ALFOURCOSID.FareClassCode = substring(TS.MINClassOfService,1,1) )

WHERE 1=1

AND ID.VoidInd = 'N'

AND ID.VendorType IN ('BSP','NONBSP') /\*Do we need to handle RAIL/ss\*/

AND ID.ValCarrierCode Not IN ('2V','2R')

AND TS.MinDestCityCode is not null

AND case when ALFOURCOSID.Cabin is null then ALFOURCOSIDOTH.Cabin else ALFOURCOSID.Cabin end = 'Business'

AND CR.Text14 ='Not Provided'

AND ID.Iatanum IN ('ELCWT')

AND IH.Importdt >= getdate()-10

EXEC dbo.sp\_LogProcErrors @ProcedureName=@ProcName,@LogStart=@TransStart,@StepName='Update Highest class flown - Business',@BeginDate=@BeginIssueDate,@EndDate=@EndIssueDate,@IataNum=@Iata,@RowCount=@@ROWCOUNT,@ERR=@@ERROR

SET @TransStart = getdate()

/\*Premium Economy Class Cabin\*/

update cr

set cr.Text14 = case when alfourcosid.cabin is null then alfourcosidoth.cabin else alfourcosid.cabin end

FROM TTXPASQL09.TMAN503\_ESTEELAUDER.dba.InvoiceHeader IH

INNER JOIN TTXPASQL09.TMAN503\_ESTEELAUDER.dba.InvoiceDetail ID ON ( ID.RecordKey = IH.RecordKey AND ID.IataNum = IH.IataNum AND ID.ClientCode = IH.ClientCode )

INNER JOIN TTXPASQL09.TMAN503\_ESTEELAUDER.dba.ComRmks CR ON ( CR.RecordKey = ID.RecordKey AND CR.IataNum = ID.IataNum AND CR.SeqNum = ID.SeqNum AND CR.ClientCode = ID.ClientCode AND CR.IssueDate = ID.IssueDate )

INNER JOIN TTXPASQL09.TMAN503\_ESTEELAUDER.dba.Transeg TS ON ( TS.RecordKey = CR.RecordKey AND TS.IataNum = CR.IataNum AND TS.SeqNum = CR.SeqNum AND TS.ClientCode = CR.ClientCode AND TS.IssueDate = CR.IssueDate )

INNER JOIN TTXPASQL09.TMAN503\_ESTEELAUDER.dba.MasterFareClassRef\_VW ALFOURCOSIDOTH ON (ALFOURCOSIDOTH.AirlineCode = '\*\*' AND ALFOURCOSIDOTH.StageCode = Case when isnull(TS.MINInternationalInd,'D') = 'D' then 'Domestic' when isnull(abs(ts.MINSegmentMileage),0) < 2500 then 'Regional' else 'Intercontinental' end AND ALFOURCOSIDOTH.FareClassCode = substring(TS.MINClassOfService,1,1) )

LEFT OUTER JOIN TTXPASQL09.TMAN503\_ESTEELAUDER.dba.MasterFareClassRef\_VW ALFOURCOSID ON (ALFOURCOSID.AirlineCode = TS.MINSegmentCarrierCode AND ALFOURCOSID.StageCode = Case when isnull(TS.MINInternationalInd,'D') = 'D' then 'Domestic' when isnull(abs(ts.MINSegmentMileage),0) < 2500 then 'Regional' else 'Intercontinental' end AND ALFOURCOSID.FareClassCode = substring(TS.MINClassOfService,1,1) )

WHERE 1=1

AND ID.VoidInd = 'N'

AND ID.VendorType IN ('BSP','NONBSP') /\*Do we need to handle RAIL/ss\*/

AND ID.ValCarrierCode Not IN ('2V','2R')

AND TS.MinDestCityCode is not null

AND case when ALFOURCOSID.Cabin is null then ALFOURCOSIDOTH.Cabin else ALFOURCOSID.Cabin end = 'Premium Economy'

AND CR.Text14 ='Not Provided'

AND ID.Iatanum IN ('ELCWT')

AND IH.Importdt >= getdate()-10

EXEC dbo.sp\_LogProcErrors @ProcedureName=@ProcName,@LogStart=@TransStart,@StepName='Update Highest class flown - Premium Economy',@BeginDate=@BeginIssueDate,@EndDate=@EndIssueDate,@IataNum=@Iata,@RowCount=@@ROWCOUNT,@ERR=@@ERROR

SET @TransStart = getdate()

/\*Economy Class Cabin - includes 'Unclassified' cabin\*/

update cr

set cr.Text14 = 'Economy'

FROM TTXPASQL09.TMAN503\_ESTEELAUDER.dba.InvoiceHeader IH

INNER JOIN TTXPASQL09.TMAN503\_ESTEELAUDER.dba.InvoiceDetail ID ON ( ID.RecordKey = IH.RecordKey AND ID.IataNum = IH.IataNum AND ID.ClientCode = IH.ClientCode )

INNER JOIN TTXPASQL09.TMAN503\_ESTEELAUDER.dba.ComRmks CR ON ( CR.RecordKey = ID.RecordKey AND CR.IataNum = ID.IataNum AND CR.SeqNum = ID.SeqNum AND CR.ClientCode = ID.ClientCode AND CR.IssueDate = ID.IssueDate )

INNER JOIN TTXPASQL09.TMAN503\_ESTEELAUDER.dba.Transeg TS ON ( TS.RecordKey = CR.RecordKey AND TS.IataNum = CR.IataNum AND TS.SeqNum = CR.SeqNum AND TS.ClientCode = CR.ClientCode AND TS.IssueDate = CR.IssueDate )

INNER JOIN TTXPASQL09.TMAN503\_ESTEELAUDER.dba.MasterFareClassRef\_VW ALFOURCOSIDOTH ON (ALFOURCOSIDOTH.AirlineCode = '\*\*' AND ALFOURCOSIDOTH.StageCode = Case when isnull(TS.MINInternationalInd,'D') = 'D' then 'Domestic' when isnull(abs(ts.MINSegmentMileage),0) < 2500 then 'Regional' else 'Intercontinental' end AND ALFOURCOSIDOTH.FareClassCode = substring(TS.MINClassOfService,1,1) )

LEFT OUTER JOIN TTXPASQL09.TMAN503\_ESTEELAUDER.dba.MasterFareClassRef\_VW ALFOURCOSID ON (ALFOURCOSID.AirlineCode = TS.MINSegmentCarrierCode AND ALFOURCOSID.StageCode = Case when isnull(TS.MINInternationalInd,'D') = 'D' then 'Domestic' when isnull(abs(ts.MINSegmentMileage),0) < 2500 then 'Regional' else 'Intercontinental' end AND ALFOURCOSID.FareClassCode = substring(TS.MINClassOfService,1,1) )

WHERE 1=1

AND ID.VoidInd = 'N'

AND ID.VendorType IN ('BSP','NONBSP') /\*Do we need to handle RAIL/ss\*/

AND ID.ValCarrierCode Not IN ('2V','2R')

AND case when ALFOURCOSID.Cabin is null then ALFOURCOSIDOTH.Cabin else ALFOURCOSID.Cabin end in ('Economy', 'Unclassified')

AND TS.MinDestCityCode is not null

AND CR.Text14 ='Not Provided'

AND ID.Iatanum IN ('ELCWT')

AND IH.Importdt >= getdate()-10

EXEC dbo.sp\_LogProcErrors @ProcedureName=@ProcName,@LogStart=@TransStart,@StepName='Update Highest class flown - Economy',@BeginDate=@BeginIssueDate,@EndDate=@EndIssueDate,@IataNum=@Iata,@RowCount=@@ROWCOUNT,@ERR=@@ERROR

/\*

Update refunds in dba.invoicedetail that do not have corresponding rows in dba.transeg

by linking the refund document number back to the original debit transaction and using the value

in cr.Text14

\*/

SET @TransStart = getdate()

update cr

set cr.Text14 = crorig.Text14

FROM TTXPASQL09.TMAN503\_ESTEELAUDER.dba.InvoiceHeader IH

INNER JOIN TTXPASQL09.TMAN503\_ESTEELAUDER.dba.InvoiceDetail ID ON ( ID.RecordKey = IH.RecordKey AND ID.IataNum = IH.IataNum AND ID.ClientCode = IH.ClientCode )

INNER JOIN TTXPASQL09.TMAN503\_ESTEELAUDER.dba.ComRmks CR ON ( CR.RecordKey = ID.RecordKey AND CR.IataNum = ID.IataNum AND CR.SeqNum = ID.SeqNum AND CR.ClientCode = ID.ClientCode AND CR.IssueDate = ID.IssueDate )

INNER JOIN TTXPASQL09.TMAN503\_ESTEELAUDER.dba.InvoiceDetail IDOrig ON (IDOrig.Recordkey <> ID.Recordkey and IDOrig.IataNum = ID.IataNum AND IDOrig.ClientCode = ID.ClientCode and ID.documentnumber = IDOrig.DocumentNumber and IDOrig.RefundInd not in ('Y','P') )

INNER JOIN TTXPASQL09.TMAN503\_ESTEELAUDER.dba.ComRmks CROrig ON ( CROrig.RecordKey = IDOrig.RecordKey AND CROrig.IataNum = IDOrig.IataNum AND CROrig.SeqNum = IDOrig.SeqNum AND CROrig.ClientCode = IDOrig.ClientCode)

WHERE 1=1

AND ID.VoidInd = 'N'

AND ID.VendorType IN ('BSP','NONBSP') /\*Do we need to handle RAIL/ss\*/

AND ID.ValCarrierCode Not IN ('2V','2R')

AND CR.Text14 is null

AND ID.Iatanum IN ('ELCWT')

AND IH.Importdt >= getdate()-10

and id.refundind in ('Y','P')

and cr.Text14 = 'Not Provided'

and not exists (select 1 from dba.transeg ts

where ts.recordkey = id.recordkey

and ts.iatanum = id.iatanum

and ts.seqnum = id.seqnum

)

EXEC dbo.sp\_LogProcErrors @ProcedureName=@ProcName,@LogStart=@TransStart,@StepName='Update Highest class flown - Refunds',@BeginDate=@BeginIssueDate,@EndDate=@EndIssueDate,@IataNum=@Iata,@RowCount=@@ROWCOUNT,@ERR=@@ERROR

/\*End CR.Text14 update for highest cabin flown\*/