

Internal CR Form		
Standard CR Empty.doc		Project XYZ
14.12.2007 08:43:00	Prepared by:	Hakan

### Brief Explanation

Check if any redemption tickets are issues without the points deducted.

### Business Rules & Processes:

In KOMMAS is is possible to to issue a redemption ticket without calling the Enrich system. So potentially a redemption ticket can be issued without deducting any points from the member account as a result of user error or fraud.

In order to prevent this KOMMAS will give a list of all redemption tickets and we will match this to redemptions.

### Changes to Existing Modules or Design of New Modules

No change to existing modules. This will be an interface plus a report.

The interface program will first load incoming data to a buffer table. In the incoming file there are multiple records per ticket. The post process of the interface program will group incoming tickets by flyer\_id/ticket\_number/issue date/ticketing\_status/mh\_approval\_code/agent iata-city-id and store it in MH-REDEMPTION\_TICKET\_HISTORY. It will also construct ticket information area using the airline code, flight number class, date origin and destination in the following way :

KUL-IST/MH0031/T/20081215, IST-KUL/MH0032/T/20081231

The post process will check all records inserted into MH-REDEMPTION\_TICKET\_HISTORY. If the approval code matches a member-awd record then we will record this in AWD\_SEQ. We will update the status to OK

If the approval code do not match we will update the status of MH-REDEMPTION\_TICKET\_HISTORY as NF.

If the approval code is used before i.e. there is another MH\_REDEMPTION\_TICKET\_HISTORY with the same approval code then the status should be DP (Duplicate)

If there is a flyer\_id / approval code mismatch (i.e. the approval code exists in MEMBER-AWD but belongs to a different flyer id) then the status code should be MM (Mismatch)

If everything matches but only the ticket number do not match then the status will be TM (Ticket number mismatch). If the ticket number in member awd is null or all blanks or zeroes then do not give this error.

Algorithm:

1. group tickets coming from input file and insert a record into MH\_REDEMPTION\_TICKET\_HISTORY
2. If the approval code in this record is already present in the MH\_REDEMPTION\_TICKET\_HISTORY then the status is DP. process next record.
3. If the approval code is not present in the MEMBER-AWD then status is NF. Next record.

4. If the approval code in in the MEMBER-AWD table but the flyer is is different them status = 'MM'. next record.
5. If the ticket number in the member AWD do not match the ticket number in MH\_REDEMPTION\_TICKET\_HISTORY then status = 'TM' (ticket number mismatch)
6. Status = OK.

## Database Changes

*BUFFER TABLE*

*(Adem burayı sen doldur)*

*DATA TABLE*

```
-- Create table
create table MH_REDEMPTION_TICKET_HISTORY
(
  RED_TKT_SEQ          NUMBER not null,
  FLYER_ID             VARCHAR2(18),
  TICKET_NUMBER        VARCHAR2(13),
  TICKET_NUMBER_TO     VARCHAR2(3),
  ISSUE_DATE           DATE,
  TICKETING_STATUS     VARCHAR2(1),
  MH_APPROVAL_CODE     NUMBER(10),
  AGENT_IATA_CODE      VARCHAR2(8),
  AGENT_CITY_CODE      VARCHAR2(3),
  AGENT_ID             VARCHAR2(2),
  TICKET_INFORMATION   VARCHAR2(1000),
  CONTROL_STATUS       VARCHAR2(2),
  AWD_SEQ              NUMBER(10)
)
tablespace CRANEMED_DATA
pctfree 10
initrans 1
maxtrans 255
storage
(
  initial 1M
  next 1M
  minextents 1
  maxextents unlimited
  pctincrease 0
);
-- Add comments to the table
comment on table MH_REDEMPTION_TICKET_HISTORY
  is 'THIS FILE HOLDS REDEMPTION TICKETS FROM KOMMAS';
-- Add comments to the columns
comment on column MH_REDEMPTION_TICKET_HISTORY.RED_TKT_SEQ
  is 'PK';
comment on column MH_REDEMPTION_TICKET_HISTORY.FLYER_ID
  is 'MEMBER ID';
comment on column MH_REDEMPTION_TICKET_HISTORY.TICKET_NUMBER
  is 'TICKET NUMBER. IN THE INCOMING FILE THERE ARE MORE IS ONE RECORD
PER COUPON BUT HERE THERE WILL BE ONLY ONE RECORD PER TICKET/APPROVAL
CODE';
comment on column MH_REDEMPTION_TICKET_HISTORY.TICKET_NUMBER_TO
```

```

    is 'FOR CONJUNCTION TICKETS AND ONLY FOR INFORMATION';
comment on column MH_REDEMPTION_TICKET_HISTORY.ISSUE_DATE
    is 'DATE IN YYMMDD FORMAT';
comment on column MH_REDEMPTION_TICKET_HISTORY.TICKETING_STATUS
    is 'S:SOLD X:CANCELLED';
comment on column MH_REDEMPTION_TICKET_HISTORY.MH_APPROVAL_CODE
    is 'APPROVAL CODE GIVEN BY MH. THIS IS CHECKED IN CRANE AND
DETERMINED IF VALID OR NOT. ';
comment on column MH_REDEMPTION_TICKET_HISTORY.AGENT_IATA_CODE
    is 'ISSUING AGENT IATA CODE. ';
comment on column MH_REDEMPTION_TICKET_HISTORY.AGENT_CITY_CODE
    is 'ISSUING AGENT CITY CODE';
comment on column MH_REDEMPTION_TICKET_HISTORY.AGENT_ID
    is 'ISSUING AGENT INITIALS';
comment on column MH_REDEMPTION_TICKET_HISTORY.TICKET_INFORMATION
    is 'TICKET ITINIRARY AND OTHER INFORMATION FROM THE INPUT FILE. ';
comment on column MH_REDEMPTION_TICKET_HISTORY.CONTROL_STATUS
    is 'OK:TICKET IS APPROVED IN CRANE. NF:THE APPROVAL CODE IS NOT FOUND
IN CRANE';
comment on column MH_REDEMPTION_TICKET_HISTORY.AWD_SEQ
    is 'PK TO MEMBER AWD. FILLED ONLY IF THE RECORD IS IN OK STATUS.';
-- Create/Recreate primary, unique and foreign key constraints
alter table MH_REDEMPTION_TICKET_HISTORY
    add constraint PK#SEQ primary key (RED_TKT_SEQ)
    using index
    tablespace CRANEMED_DATA
    pctfree 10
    initrans 2
    maxtrans 255
    storage
    (
        initial 1M
        next 1M
        minextents 1
        maxextents unlimited
        pctincrease 0
    );
-- Create/Recreate indexes
create index IDX#FFNO on MH_REDEMPTION_TICKET_HISTORY (FLYER_ID)
    tablespace CRANEMED_DATA
    pctfree 10
    initrans 2
    maxtrans 255
    storage
    (
        initial 1M
        next 1M
        minextents 1
        maxextents unlimited
        pctincrease 0
    );
create index IDX#TKTNO on MH_REDEMPTION_TICKET_HISTORY (TICKET_NUMBER)
    tablespace CRANEMED_DATA
    pctfree 10
    initrans 2
    maxtrans 255
    storage

```

[illegible]

## Changes to Reports

Add one report that takes two dates as parameter and displays all NF records from the MH-REDEMPTION\_TICKET\_HISTORY file

The report name : REDEMPTION TICKETS WITH NO AWARD APPROVAL

Columns to be listed:

Flyer\_id, ticket\_number, Issue date, Issued by (under this column write IATA-citycode and agent initials like 23445566-KUL-HU) and ticket Information and error code + error explanation.

Report view V\_CRxxx\_MH\_REDEMPTION\_TICKET\_HISTORY

The report name : REDEMPTION TICKETS WITH NO AWARD APPROVAL  
 Cols to be listed:  
 Flyer\_id, ticket\_number, Issue date, Issued by (under this column write IATA-citycode and agent initials like 23445566-KUL-HU) and ticket Information and error code + error explanation.

Report view V\_CRxxx\_MH\_REDEMPTION\_TICKET\_HISTORY

Columns to be listed:  
Flyer\_id, ticket\_number, Issue date, Issued by (under this column write IATA-citycode and agent initials like 23445566-KUL-HU) and ticket Information and error code + error explanation.

Report view V\_CRxxx\_MH\_REDEMPTION\_TICKET\_HISTORY

Flyer\_id, ticket\_number, Issue date, Issued by (under this column write IATA-citycode and agent initials like 23445566-KUL-HU) and ticket Information and error code + error explanation.

Report view V\_CRxxx\_MH\_REDEMPTION\_TICKET\_HISTORY

Report view V\_CRxxx\_MH\_REDEMPTION\_TICKET\_HISTORY

**Other Notes**

[Indicate other details that are relevant to this CR]

Finalization Checklist		
Checked By:		
Date:		

Item	Notes
Update the Test Scenarios	
Test using the Test Scenarios	
Update Manuals	
Make sure that the final version of the CR matched what you implemented.	
Make sure that all changes to the code are marked with Scan Codes.	
Make sure that the program logic and business rules are clearly explained in comments.	

1. In the notes area note which document and which section is updated.
2. When conducting the tests make sure that anyeffected areas are also tested. In the notes area note all the effected areas and additional tests done.