Bellcore
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PREMIS/NMAG DBA Guide
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PREMIS/NMAG Database

Administration Guide

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PREMIS/NMAG Database Administration Guide CONTENTS

LIST OF FIGURES

1. Introduction

The PREMises Information System/Network Marketing Area Guide (PREMIS/NMAG) feature provides data to the Service Negotiation Support (SNS) system. PREMIS/NMAG supports the following service negotiation functions:

- Determine the services available at a customer's address
- Identify the network elements for a customer's address
- Locate the foreign offices for a customer's address.

The MRKT-XXX database area type is a PREMIS system database area type that contains the marketing information necessary to support the NMAG functions. There is one MRKT-XXX area for each SAG-XXX area in the PREMIS system database.

The PREMIS system database administration tools and utilities are also used to administer PREMIS/NMAG.

1.1 Documentation Index

This document provides database administration guidelines for the PREMIS/NMAG feature only. For information on database administration procedures for the PREMIS database in general, see the *PREMIS Data Base Administration Guide – Procedures*, BR 753-260-100.

There are ten sections and three appendixes in this document:

Section 1 – Introduction and Documentation Index

Section 2 – "Description and Purpose of the MRKT-XXX Area Type" provides a brief overview of one database area type.

Section 3 – "The Exclusion Model" describes the database model used to build the MRKT-XXX area.

Section 4 – "Sizing Considerations" explains the factors that need to be considered when sizing the MRKT-XXX area.

Section 5 – "Loading Market Data" describes loading the MRKT-XXX area.

Section 6 – "Data Consistency Management" describes changing wire center names.

Section 7 – "Data Integrity" discusses relationships among records in the MRKT-XXX area.

Section 8 – "Schema Diagram of the Area" illustrates the MRKT-XXX area.

Section 9 – "Physical Data Specifications for the MRKT-XXX Area" outlines the basic physical requirements of the area.

Section 10 – "Physical Data Specifications for the Records" presents the physical data requirements for the 11 MRKT-XXX area records.

Appendix A – "Wire Center Availability Indicator Utility" explains the WC-AVAIL procedure.

Appendix B – "Build Change Wire Center" explains the CHGWC utility.

Appendix C – "Guide to Acronyms" lists and defines the major acronyms used in this document.

In addition to this *PREMIS/NMAG Database Administration Guide*, there are several other Bellcore documents that support SNS. These documents are:

1. *Service Negotiation Support (SNS) Description*, BR 007-560-404, provides an overview of SNS.
2. *Service Negotiation Support (SNS) Contract Specifications* BR 007-560-403, describes the communication between SNS and the contract originator.
3. *Service Negotiation Support (SNS) System Administration Guide*, BR 007-560-405, covers application installation, security, recovery, troubleshooting, and other topics.
4. *Service Negotiation Support (SNS) Database Administration Guide*, BR 007-560-406, describes the SNS databases and explains database installation, recovery, and maintenance.
5. *Service Negotiation Support (SNS) TNLIST Maintenance Guide*, BR 007-560-407, provides instructions on working with the TNLIST Maintenance screens.
6. *PREMIS/NMAG Application Guide*, BR 007-560-408, explains the procedures for working with the MTC SVA screen and for producing reports.

2. Description and Purpose of the MRKT-XXX Area Type

The MRKT-XXX area is a generic database area type required to support the PREMIS/NMAG feature. The marketing areas correspond to the SAG-XXX areas, and the XXX suffix of the marketing area must be exactly the same as that of the SAG-XXX area. For example, the SAG-TRNG area has a corresponding marketing area called MRKT-TRNG. The number of MRKT-XXX areas cannot exceed the number of SAG-XXX areas.

The basic application functions associated with this database area are: (1) determination of the services available at the customer's address, (2) identification of network elements (switches), and (3) location of foreign offices.

The marketing area has record types that represent wire centers, terminating traffic areas (TTAs), switches, available services and/or products, and certain geographic segments (geosegs) and address ranges. Wire center names are the same as those in the PRM-WC-TABLE records. A TTA must exist in at least one GEOGRAPHIC-SEGMENT-CODE record in the SAG-XXX area to be valid in the corresponding MRKT-XXX area. If an address range exists in the MRKT-XXX area, it will be identical to one in the SAG-XXX area. The MRKT-XXX area contains eleven record types and thirteen set types. See Section 8 for a schema diagram of the MRKT-XXX area.

3. The Exclusion Model

The data modeling method used with the MRKT-XXX area is based on an "exclusion model." That is to say, once a wire center/TTA combination in a marketing area is associated with a particular product, that product is assumed to be available to the entire wire center unless "excluded geographic areas" are also represented in the marketing area. The term "excluded geographic areas" refers to areas in which particular products are not intended to be marketed (known as exclusions), or areas in which products are not available because of embargoes. Entire geosegs may be excluded by building EXCLUDED-GEOSEG records, or an individual address range may be excluded by building EXCLUDED-RANGE records. For example, if a wire center contains ten geosegs, G001 through G010, and a product is offered in all but G003, the G003 is the only geoseg in that wire center that will be represented in the MRKT-XXX area. The intent of this model is to keep the number of required database records to a minimum.

4. Sizing Considerations

When sizing a MRKT-XXX area, or any other database area, data gathering is necessary. Some data can be gathered from existing database areas. Other data should be available from marketing personnel. The following factors should be considered when sizing a MARKET-XXX area.

- *Number of wire centers in the associated SAG area.* The maximum number of MARKET-WC records that will be built in a MRKT-XXX area is equivalent to the number of WIRE-CENTER-CODE records in the associated SAG-XXX area. However, it is important to note that MARKET-WC records are larger than WIRE-CENTER-CODE records, and more pages must be designated for MARKET-WC records than are needed for WIRE-CENTER-CODE records.
- *Number of TTAs in the wire center.* The maximum number of MARKET-WC-TTA records in a MRKT-XXX area will be equivalent to the total number of TTAs in all the wire centers to be represented in that MRKT-XXX area.
- *Number of switches in each wire center.* The NETWORK-ELEMENT record represents one switch in a wire center/TTA. Data gathering should include the determination of the number of switches in each wire center/TTA in the MRKT-XXX area.
- *Number of products to be offered.* The marketing department should be able to provide some projections on the number of products to be offered in a marketing area. Each product is represented by one WC-AVAILABLE-PRODUCT record for each wire center/TTA in which it will be marketed.
- *Switch-product relationship.* Any product/service offered on a particular switch is represented in an NE-WC-AVAILABLE-PRODUCT-RSHP record. This implies that the maximum possible number of relationship records is the mathematical product of the switch records and the product records. For example, if there are twenty-five NETWORK-ELEMENT records and twenty WC-AVAILABLE-PRODUCT records and every product is available on every switch for a wire center/TTA combination (worst case situation), the number of NE-WC-AVAILABLE-PRODUCT-RSHP records is 500 for that wire center/TTA combination.

  25 NETWORK-ELEMENT x 20 WC-AVAILABLE-PRODUCT = 500

- *Excluded geosegs and address ranges.* If an entire geoseg is excluded from the marketing area, there is no need to have the associated ranges in the MRKT-XXX area. Only the geoseg itself is represented, with an EXCLUDED-GEOSEG record. Also, even if the geoseg is excluded for

more than one product, it is represented only once in the area. Each product offered in the wire center/TTA but not offered, or partially offered, in that geoseg is represented by a GSG-EXCLUDED-PRODUCT record.

If some ranges in a geoseg are excluded from the marketing area, those excluded ranges are loaded in the MRKT-XXX area. Like the geosegs, each range appears only once in the area. For each product offered in the geoseg that is not offered in the range, there is a RANGE-EXCLUDED-PRODUCT record built.

The maximum number of excluded geosegs in a MRKT-XXX area cannot exceed the number of geosegs in the related SAG-XXX area. The maximum number of address ranges in a MRKT-XXX area cannot exceed the number of address ranges in the related SAG-XXX area.

5. Loading Market Data

All records are loaded into the MRKT-XXX area via maintenance transactions. The single occurrence of the MARKET-ENTITY record (similar to a SAG-ENTITY record) is loaded by the first maintenance transaction.

5.1 Wire Center Availability Indicator

The maintenance transactions that load the MARKET-WC records set the "wire-center-availability" indicator to "N", indicating that the wire center is not available for market queries as yet. The LOADER/DATABASIC* procedure (proc) "WC-AVAIL," which is delivered with the PREMIS/NMAG feature, sets the indicator to "Y" when the wire center is loaded and ready for use. The database administrator executes the proc when advised that the wire center is loaded. Additional information on WC-AVAIL and instructions for using the proc are in Appendix A.

* See the *PREMIS Data Base Administration Guide – Utilities*, BR 753-260-800, for information on the LOADER/DATABASIC utility.

6. Data Consistency Management

When wire center names, TTA codes, geoseg codes, street names, or other geographic data change elsewhere in PREMIS, they must also change in the MRKT-XXX area.

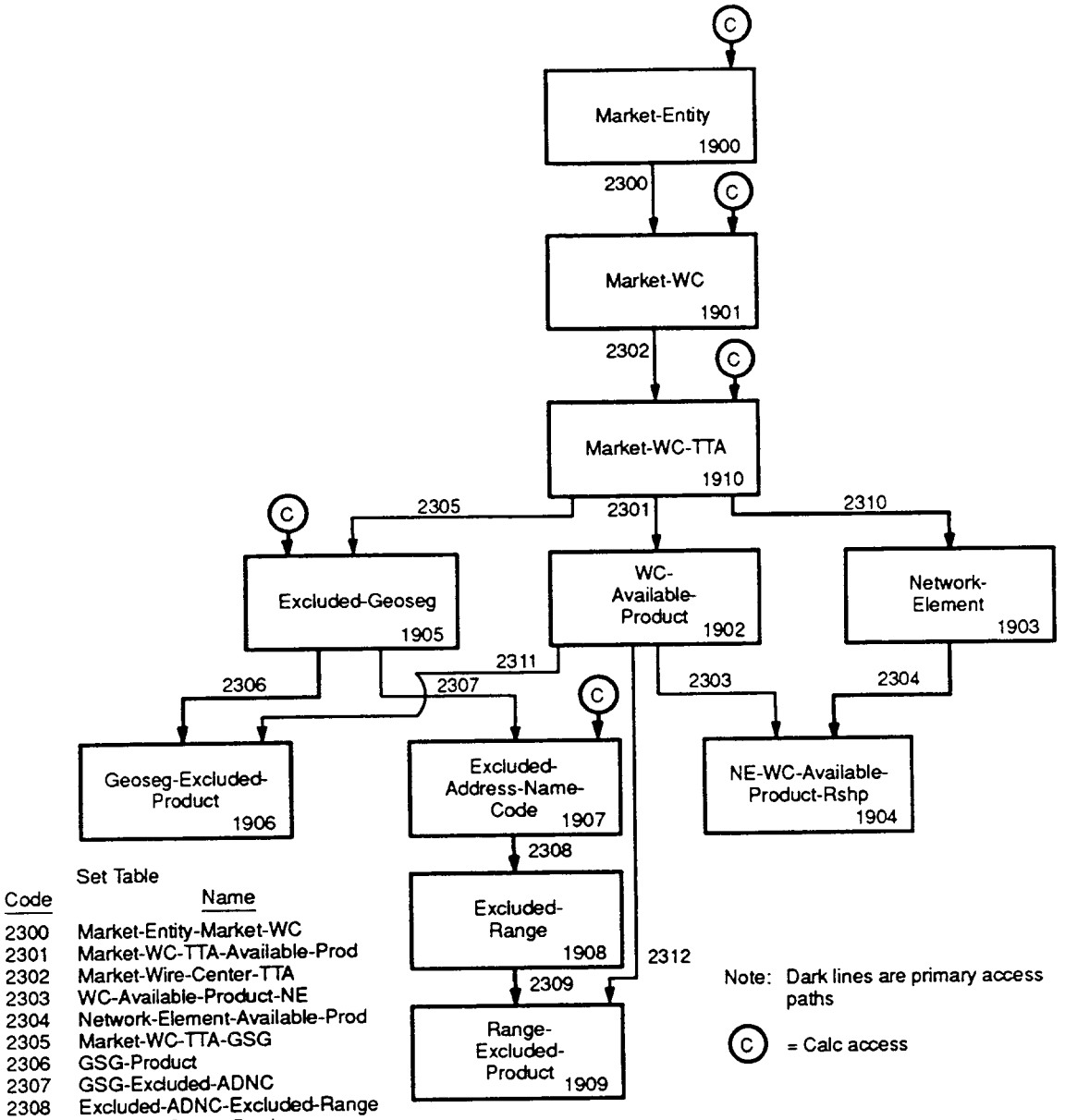
6.1 CHGWC Utility

The CHGWC utility has been enhanced to effect wire center name changes in the MRKT-XXX areas whenever it is executed. Additional information on CHGWC and instructions for executing the utility are in Appendix B.

7. Data Integrity

WC-AVAILABLE-PRODUCT records in MRKT-XXX areas must be related to NETWORK-ELEMENT records via NE-WC-AVAILABLE-PRODUCT-RSHP records. If any WC-AVAILABLE-PRODUCT records are "dangling" (i.e., do not own at least one NE-WC-AVAILABLE-PRODUCT-RSHP record), there is a database problem that should be investigated and corrected.

8. Schema Diagram of the Area



Set Table

Code	Name
2300	Market-Entity-Market-WC
2301	Market-WC-TTA-Available-Prod
2302	Market-Wire-Center-TTA
2303	WC-Available-Product-NE
2304	Network-Element-Available-Prod
2305	Market-WC-TTA-GSG
2306	GSG-Product
2307	GSG-Excluded-ADNC
2308	Excluded-ADNC-Excluded-Range
2309	Excluded-Range-Product
2310	Market-WC-TTA-Network-Element
2311	WC-Avail-Prod-GSG-Excl-Prod
2312	WC-Avail-Prod-Range-Excl-Prod

Figure 8-1. Schema Diagram of the MRKT-XXX Area

9. Physical Data Specifications for the MRKT-XXX Area

Description*

The MRKT-XXX areas contain marketing information that supports the PREMIS/NMAG feature. There is one MRKT-XXX area for each SAG-XXX area in a PREMIS database.

Area Code Assignment

The DMS-1100 (UNISYS™ database management system) area codes for MRKT-XXX areas are assigned by the Installation Database Administrator. Area codes in the 150-199 range should be used if possible.

Naming Convention

The XXX suffix of the MRKT-XXX areas must be identical to that of the related SAG-XXX areas.

Page Allocation

If SMAC sizing is not used, the following sizing is suggested:

a. Data – The number of data pages allocated is equal to one-half the number of pages allocated to ADDRESS-ENTRY records in the associated SAG-XXX area.

b. Overflow – The number of overflow pages allocated is equal to five percent of the data pages allocated to the EXCLUDED-RANGE record.

Relative Placement

- MARKET-ENTITY (1 through 1)
- MARKET-WC
- MARKET-WC-TTA
- WC-AVAILABLE-PRODUCT

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* See the *PREMIS Data Base Administration Guide – Procedures*, "Appendix A," for a description of each heading shown in this section.

UNISYS is a trademark of Unisys Corporation.

- NETWORK-ELEMENT
- NE-WC-AVAILABLE-PRODUCT-RSHP
- EXCLUDED-GEOSEG
- GEOSEG-EXCLUDED-PRODUCT
- EXCLUDED-ADDRESS-NAME-CODE
- EXCLUDED-RANGE
- RANGE-EXCLUDED-PRODUCT

Special Considerations

The EXCLUDED-RANGE and RANGE-EXCLUDED-PRODUCT records should share a page range, since they are always accessed together.

10. Physical Data Specifications for the Records

The following sections present the physical data specifications for the 11 records in the MRKT-XXX area.

10.1 EXCLUDED-ADDRESS-NAME-CODE (1907)

Description*

Area(s)

MRKT-XXX

Location Mode

Calc

Size

8 words

Volume Characteristics

General Characteristics

High volume if many streets are excluded from marketing area

Source of Estimation for Total Growth

Number of ADNCs in use in SAG entity

Growth Rate Characteristics

Volume should reach a stable range after load of all wire centers in the marketing area.

Load/Reload Method

Maintenance transactions: MTC SVE

---

* See the *PREMIS Data Base Administration Guide — Procedures*, "Appendix B," for a description of each heading shown in this section.

Placement

In their own page range. Number of pages should be prime.

Calc Routine Specification

Calc Routine Name

CL1907

Key(s)

EANC-ADNC

Declaration(s) and Assignment(s)

05 EANC-ANDC PIC X(4)

Hash Algorithm

Reuses algorithm for ADDRESS-NAME-CODE.

10.2 EXCLUDED-GEOSEG (1905)

Description

Area(s)

MRKT-XXX

Location Mode

Calc

Size

14 words

Volume Characteristics

General Characteristics

Will represent those geosegs that are completely or partly excluded from the marketing area.

Source of Estimation for Total Growth

Marketing personnel

Growth Rate Characteristics

Will stabilize when all wire centers in the SAG area are loaded in the MRKT area.

Load/Reload Method

Maintenance transactions: MTC SVE

Placement

In their own page range. Number of pages should be prime.

Calc Routine Specification

Calc Routine Name

CL1905

Key(s)

EXGE-GEOGRAPHIC-SEGMENT-CODE
EXGE-WIRE-CENTER

Declaration(s) and Assignment(s)

05 EXGE-GEOGRAPHIC-SEGMENT-CODE PIC X(4)
05 EXGE-WIRE-CENTER PIC X(8)

Hash Algorithm

Reuses the algorithm for GEOGRAPHIC-SEGMENT-DATA.

10.3 EXCLUDED-RANGE (1908)

Description

Area(s)

MRKT-XXX

Location Mode

Via Set (EXCLUDED-ADNC-EXCLUDED-RANGE)

Size

24 words

Volume Characteristics

General Characteristics

High volume

Source of Estimation for Total Growth

Cannot exceed volume of ADDRESS-ENTRY records in SAG entity.

Growth Rate Characteristics

Volume should reach a stable range once all wire centers in the marketing area have been loaded.

Load/Reload Method

Maintenance transactions: MTC SVE

Placement

Should share a page range with RANGE-EXCLUDED-PRODUCT.

Calc Routine Specification

N/A

Calc Routine Name

N/A

Key(s)

N/A

Declaration(s) and Assignment(s)

N/A

Hash Algorithm

N/A

10.4 GEOSEG-EXCLUDED-PRODUCT (1906)

Description

Area(s)

MRKT-XXX

Location Mode

Via Set (GSG-PRODUCT)

Size

48 words

Volume Characteristics

General Characteristics

Medium to high volume

Source of Estimation for Total Growth

One record for each product excluded in the owner geoseg

Growth Rate Characteristics

Varies with EXCLUDED-GEOSEGs.

Load/Reload Method

Maintenance transactions: MTC SVE

Placement

In their own page range

Calc Routine Specification

N/A

Calc Routine Name

N/A

Key(s)

N/A

Declaration(s) and Assignment(s)

N/A

Hash Algorithm

N/A

10.5 MARKET-ENTITY (1900)

Description

Area(s)

MRKT-XXX

Location Mode

Calc

Size

5 words

Volume Characteristics

General Characteristics

Low volume

Source of Estimation for Total Growth

There is only one occurrence of this record type.

Growth Rate Characteristics

No growth

Load/Reload Method

Maintenance transactions: MTC SVA

Placement

Page range is standard, 1 through 1.

Calc Routine Specification

Calc Routine Name

CL1900

Key(s)

MAEN-ENTITY

Declaration(s) and Assignment(s)

05 MAEN-ENTITY PIC X(6)

Hash Algorithm

Reuses algorithm used by SAG-ENTITY.

10.6 MARKET-WC (1901)

Description

Area(s)

MRKT-XXX

Location Mode

Calc

Size

17 words

Volume Characteristics

General Characteristics

Medium volume

Source of Estimation for Total Growth

Number of wire centers in a SAG entity

Growth Rate Characteristics

Wire centers will be loaded one at a time by maintenance transactions, until all marketing data is complete.

Load/Reload Method

Maintenance transactions: MTC SVA

Placement

In their own page range. Number of pages should be prime.

Calc Routine Specification

Calc Routine Name

CL1901

Key(s)

MAWC-WC

Declaration(s) and Assignment(s)

05 MAWC-WC PIC X(8)

Hash Algorithm

Reuses the algorithm for WIRE-CENTER-CODE.

10.7 MARKET-WC-TTA (1910)

Description

Area(s)

MRKT-XXX

Location Mode

Calc

Size

72 words

Volume Characteristics

General Characteristics

Medium volume

Source of Estimation for Total Growth

Number of TTAs in a SAG entity

Growth Rate Characteristics

Stable volume once all wire centers in the MRKT-XXX area are converted.

Load/Reload Method

Maintenance transaction: MTC SVA

Placement

In their own page range. Number of pages should be prime.

Calc Routine Specification

Calc Routine Name

CL1910

Key(s)

MWT-WC-TTA-IDENT

Declaration(s) and Assignment(s)

```
10 MWT-WIRE-CENTER    PIC X(8)
10 MWT-TTA            PIC 9(3)
```

Hash Algorithm

Reuses the algorithm for WC-TTA.

10.8 NETWORK-ELEMENT (1903)

Description

Area(s)

MRKT-XXX

Location Mode

Via Set (MARKET-WC-NETWORK-ELEMENT)

Size

46 words

Volume Characteristics

General Characteristics

One for each switch in each wire center in the marketing area

Source of Estimation for Total Growth

Network Assignment Center

Growth Rate Characteristics

Very slow growth

Load/Reload Method

Maintenance transactions: MTC SVA

Placement

In their own page range

Calc Routine Specification

N/A

Calc Routine Name

N/A

Key(s)

N/A

Declaration(s) and Assignment(s)

N/A

Hash Algorithm

N/A

10.9 NE-WC-AVAILABLE-PRODUCT-RSHP (1904)

Description:

Area(s)

MRKT-XXX

Location Mode

Via Set (WC-AVAILABLE-PRODUCT-NE)

Size

45 words

Volume Characteristics

General Characteristics

Low to medium volume

Source of Estimation for Total Growth

One per network-element/switch relationship

Growth Rate Characteristics

Growth is based on number of products introduced on each switch (network-element).

Load/Reload Method

Maintenance transactions: MTC SVA

Placement

In their own page range

Calc Routine Specification

N/A

Calc Routine Name

N/A

Key(s)

N/A

Declaration(s) and Assignment(s)

N/A

Hash Algorithm

N/A

10.10 RANGE-EXCLUDED-PRODUCT (1909)

Description

Area(s)

MRKT-XXX

Location Mode

Via Set (EXCLUDED-RANGE-PRODUCT)

Size

48 words

Volume Characteristics

General Characteristics

High volume

Source of Estimation for Total Growth

One per product per excluded range

Growth Rate Characteristics

Varies with excluded ranges.

Load/Reload Method

Maintenance transactions: MTC SVE

Placement

Should share a page range with EXCLUDED-RANGE.

Calc Routine Specification

N/A

Calc Routine Name

N/A

Key(s)

N/A

Declaration(s) and Assignment(s)

N/A

Hash Algorithm

N/A

10.11 WC-AVAILABLE-PRODUCT (1902)

Description

Area(s)

MRKT-XXX

Location Mode

Via Set (MARKET-WC-AVAILABLE-PRODUCT)

Size

27 words

Volume Characteristics

General Characteristics

One record occurrence for each product/service offered in this marketing area

Source of Estimation for Total Growth

Marketing personnel

Growth Rate Characteristics

Based on the number of new products supported.

Load/Reload Method

Maintenance transactions: MTC SVA

Placement

In their own page range

Calc Routine Specification

N/A

Calc Routine Name

N/A

Key(s)

N/A

Declarations and Assignments

N/A

Hash Algorithm

N/A

A. Appendix A — Wire Center Availability Indicator Utility (WC-AVAIL)

@START *APPLUTIL.WC-AVAIL

Description

WC-AVAIL, along with WCAVAIL-SKEL, enables PREMIS SNS sites to change the "wc-available-ind" field in the MARKET-WC record to either Y or N.

Frequency of Execution

This utility is to be run at the discretion of the user.

Procedures

The following elements are used to execute this utility:

- *APPLUTIL.WC-AVAIL
- *APPLUTIL.WCAVAIL-SKEL

The element *APPLUTIL.WC-AVAIL contains the parameters to be passed to *APPLUTIL.WCAVAIL-SKEL. The parameters must be modified by site DBAs by editing *APPLUTIL.WC-AVAIL. The contents of this element are:

```
@RUN WCAVL,0,PREMIS,9999,999
@QUAL PREMIS
@SSG *APPLUTIL.WCAVAIL-SKEL
SGS
ENV             PROD              . ENVIRONMENT (PROD OR TRNG)
XXX             TRNG              . SUFFIX OF MRKT AREA
AVAIL-IND       N                 . AVAILABLE INDICATOR (Y OR N)
WC             'JFSN,922'         . WIRE CENTER IN XXX TO CHG AVAIL-IND
WC             'FLMR,924'         . ADDITIONAL WCs CAN BE MODIFIED
DBQUAL          PREMIS            . DATA BASE QUALIFIER
DBUQUAL         89TRNG            . DB UTILITY FILE
TABLESQUAL      89TRNG            . LOADER TABLES QUALIFIER
SCHEMA          89TRNG*PREMIS     . QUAL*FILENAME OF SCHEMA
BRKPT           PRINT*WCAVAIL
SYM             PRR    U
@EOF
@EOF
```

Error Diagnostics

- If any SGS cards are omitted, messages will be printed and the run will be aborted. There are no default values for any of the SGS parameters.
- If neither PROD nor TRNG is specified for the ENV parameter, an error will be printed, and the run will abort.
- If neither Y nor N is specified for the AVAIL-IND parameter, an error will be printed and the run will abort.

What To Look For

The utility will print out a report describing the before and after view of each wc-available-indicator modified by wire center.

B. Appendix B — Build Change Wire Center (BLDCHGWC)

@START *DBRUNS.BLDCHGWC

Description

The BLDCHGWC runstream will build all the necessary runstreams to reorganize ("reorg") the database in order to change a PREMIS wire center name throughout the entire database.

Purpose

The purpose of this Symbolic Stream Generator (SSG) utility is to easily generate the following reorg runstreams in the *CHGWC file.

- EQUAL-ACCESS
- MRKT-XXX
- PRM-TABLES
- PRM-TN-999
- PRM-WC-999
- SAG-XXX

Operating Environment

- BLDCHGWC is run as a batch run.
- BLDCHGWC needs to be edited to provide the correct qualifiers, schema, old and new wire center names, physical wire center, TN database areas, SAG database areas, MRKT database areas, and other specified parameters.

Inputs and Outputs

@START *DBRUNS.BLDCHGWC

A sample of the BLDCHGWC runstream follows:

```
@RUN CHGWC,0,PREMIS,9999,999
@QUAL PREMIS
@SSG *APPLUTIL.BLDCHGWCSKEL
SGS
ACCOUNT      0                          . DEfAULT ACCOUNT NUMBER
DBUQUAL      PREMIS                     . QUALIFIER OF THE DATA BASE UTILITY FILE
DBQUAL       PREMIS                     . QUALIFIER OF THE DATA BASE AREA
SCHEMA       PREMIS*PREMIS              . WIRE CENTER IN XXX TO CHG AVAIL-IND
999          TR001    TR001             . SUFFIX OF PRM-WC & PRM-TN DATA BASE AREAS
XXX          TRNG     TRNG              . SUFFIX OF SAG-XXX & MRKT-XXX DATA BASE AREAS
WC           ''JFSN,922'' ''JFSN,923'' . CURRENT AND NEW WIRE CENTER NAMES
APPGRP        1                         . APPLICATION GROUP NUMBER FOR RSUM
DDLFILE       SPL*DDL$                  . QUALIFIER*FILENAME OF DMU ELEMENT
CHGWCQUAL     PREMIS                    . QUALIFIER OF THE CHGWC FILE
TABLESQUAL    PREMIS                    . QUALIFIER OF THE LOADER TABLES FILE
BRKPT         YES                       . YES OR NO, REORG RUNS BRKPT'D
SYM           PRR     U                 . BRKPT-PRINT GROUP AND SYM OPTIONS
BRKPTQFN      PRINT*CHGWC               . BRKPT QUAL*FILENAME FOR BLDCHGWC
TPFREE        YES,TPQUAL,TPUTIL         . YES, TPFREE WORK FILES
WORKFILES     YES,PACKID,DEVTYP         . YES CAT REORG WORK FILES
WORKFILESIZ   DFILE0,C$FILE,K$FILE      . REORG WORK FILE TRACK SIZE
@EOF
@EOF
```

Error Messages and Diagnostics

Check for processor errors.

C. Appendix C — Guide to Acronyms

AIN	Advanced Intelligent Network
BAE	Bellcore Application Environment
BCC	Bellcore Client Company
CAT	Centrex Access Treatment
CCF	Customized Calling Feature
CMT	Communication Terminal Table
CPU	Central Processing Unit
DAR	Data Access Routines
DASD	Direct Access Store Device
DBA	Database Administrator
DBD	Database Definition
DBMS	Database Management System
DBRC	Database Recovery Control
DBRM	Database Request Modules
DCL	Data Control Language
DDL	Data Definition Language
DPS	Display Processing System
FC	Functional Component
FCIF	Flexible Computer Interface Form
FID	Field Identifier
GOT	Generic Output Translator
GTS	Generic Table System
HDAM	Hierarchic Direct Access Method
IMP	Immediate Message Poster
IMS	Information Management System
ISDN	Integrated Services Digital Network
I/O	Input/Output
JCL	Job Control Language
LCC	Line Class Codes
LFACS	Loop Facilities Assignment and Control System
MVP	Multi-Variety Package
NMAG	Network Marketing Area Guide
ORT	Output Routing Table
PLBB	Processing Layer Building Block
PREMIS	Premises Information System
PSB	Program Specification Block
RAA	Root Addressable Area

RAP	Root Anchor Points
RBA	Relative Byte Address
RCU	Recent Change USOCs
RMF	Resource Measurement Facility
SAC	Service Activation Controller
SNS	Service Negotiation Support
SOE	Standard Operating Environment
SOP	Service Order Processor
SQL	Structured Query Language
STOGRP	Storage Group
TCIS	Telecommunications Interface System
TN	Telephone Number
TNLIST	Telephone Number List
TTS	TIRKS Table System
ULBB	User Layer Building Block
USOC	Universal Service Order Code
VSAM	Virtual Sequential Access Method
VTOC	Volume Table of Contents