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Volume V
Part 6
Section 4 of 6

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INTEGRATED INFORMATION SUPPORT SYSTEM (IISS)
Volume V - Common Data Model Subsystem
Part 6 - Neutral Data Definition Language (NDDL) Product Specification
Section 4 of 6

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Control Data Corporation
Integration Technology Services
2970 Presidential Drive
Fairborn, OH 45324-6209

September 1990

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REPORT DOCUMENTATION PAGE

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13. ABSTRACT

This specification establishes the development, test and qualification requirements of a computer program identified as the "Neutral Data Definition Language Processor" (NDDL Processor).

This report is divided into six (6) sections.

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298-102

UPDHOST
UPDDTI
UPDSET
UPDREC
UPDFLD
UPDDBN
UPDDT
MODACKW
MODECKW
MODRCKW
DELKW

DOCGROUP PS41100 Module Documentation

NAME: RETACKW
PURPOSE: POPULATES KEYWORD TABLE FOR ATTRIBUTE CLASS KEYWORDS
LANGUAGE: VAX-11 COBOL
SOURCE FILE: RETACKW
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

THIS ROUTINE POPULATES THE KEYWORD TABLE WITH ATTRIBUTE CLASS KEYWORDS.

ARGUMENTS:

MODEL-NO DSPLY[S9(9)]
KW-TABLE RECRD

INCLUDE FILES:

SRVRET
KWDTBL
ERRPRO

ROUTINES CALLED:

ERRPRO



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Availability Codes
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A-1

DOCGROUP PS41100 Module Documentation

NAME: RETATTR
PURPOSE: RETRIEVE INFORMATION ABOUT OWNED ATTRIBUTE.
LANGUAGE: VAX-11 COBOL
SOURCE FILE: RETATTR
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- RETATTR WILL RETRIEVE INFORMATION ABOUT OWNED ATTRIBUTE.
A) ENTITY IT IS OWNED BY, EC-NO
B) ATTRIUBTE USE (ROLE) NAME AND NUMBER
C) ATTRIBUTE NUMBER

ARGUMENTS:

AC-NAME	DSPLY[X(30)]
AC-NO	DSPLY[S9(9)]
EC-NO	DSPLY[S9(9)]
TAG-NO	DSPLY[S9(9)]
TAG-NAME	DSPLY[X(30)]
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

ERRCDM
SRVRET
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: RETDT
PURPOSE: RETRIEVE ALL INFORMATION FOR A GIVEN DATA TYPE NAME
LANGUAGE: VAX-11 COBOL
SOURCE FILE: RETDT
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

-
RETRIEVE THE TYPE, SIZE, NO. OF DECIMALS
DATA-TYPE-IND AND DATA-TYPE-NO (USDF-DT-NO)
FOR A GIVEN DATA-TYPE NAME.

ARGUMENTS:

DOM-NO	DSPLY[S9(9)]
DATA-TYPE-NAME	DSPLY[X(30)]
TYPE-ID	DSPLY[X]
MAX-SIZE	DSPLY[S9(9)]
NO-OF-DEC	DSPLY[S9(9)]
DATA-TYPE-IND	DSPLY[X(4)]
USDF-DT-NO	DSPLY[S9(9)]
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

ERRCDM
SRVRET
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: RETECKW
PURPOSE: POPULATES KEYWORD TABLE FOR ENTITY CLASS KEYWORDS
LANGUAGE: VAX-11 COBOL
SOURCE FILE: RETECKW
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

THIS ROUTINE POPULATES THE KEYWORD TABLE WITH ENTITY CLASS KEYWORDS.

ARGUMENTS:

MODEL-NO	DSPLY[S9(9)]
KW-TABLE	RECRD

INCLUDE FILES:

SRVRET
ERRCDM
KWDTBL
ERRPRO

ROUTINES CALLED:

UERROR
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: RETRAC1
PURPOSE: DETERMINES IF ANY ATTRIBUTE CLASS NAMES MATCH BETWEEN MODELS
LANGUAGE: VAX-11 COBOL
SOURCE FILE: RETRAC1
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

THIS ROUTINE DETERMINES AND REPORTS TO THE USER IF ANY MATCHES IN ATTRIBUTE CLASS NAMES ARE FOUND WITHIN 2 MODELS.

ARGUMENTS:

MODEL-NO1	DSPLY[S9(9)]
MODEL-NO2	DSPLY[S9(9)]

INCLUDE FILES:

SRVRET
ERRPRO

ROUTINES CALLED:

VERATT
ADDPARM
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: RETRAC2
PURPOSE: DETERMINES IF A PRIMARY ATTRIBUTE CLASS NAME MATCHES
BETWEEN MODELS
LANGUAGE: VAX-11 COBOL
SOURCE FILE: RETRAC2
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

THIS ROUTINE DETERMINES AND REPORTS TO THE USER IF A MATCH IN PRIMARY ATTRIBUTE CLASS NAMES ARE FOUND WITHIN 2 MODELS.

ARGUMENTS:

MODEL-NO1	DSPLY[S9(9)]
MODEL-NO2	DSPLY[S9(9)]

INCLUDE FILES:

SRVRET
ERRPRO

ROUTINES CALLED:

VERATTP
ADDPARM
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: RETRACP
PURPOSE: SELECT ATTRIBUTE CLASS NAME USING THE ATTRIBUTE CLASS NUMBER
LANGUAGE: VAX-11 COBOL
SOURCE FILE: RETRACP
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

SELECT THE ATTRIBUTE CLASS NAME GIVEN THE ATTRIBUTE CLASS NUMBER
AND NAME TYPE.

ARGUMENTS:

AC-NO	DSPLY[S9(9)]
AC-NAME-TYPE	DSPLY[X(8)]
AC-NAME	DSPLY[X(30)]

INCLUDE FILES:

SRVRET
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: RETRCKW
PURPOSE: POPULATES THE KEYWORD CDM TABLE FOR RELATION CLASS
KEYWORDS
LANGUAGE: VAX-11 COBOL
SOURCE FILE: RETRCKW
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

THIS ROUTINE POPULATES THE KEYWORD TABLE WITH RELATION CLASS KEYWORDS.
MODIFIED 5/11/89: TO HANDLE BOTH CATEGORY AND LINK RELATIONS

ARGUMENTS:

EC-NO	DSPLY[S9(9)]
KW-TABLE	RECRD

INCLUDE FILES:

SRVRET
KWDTBL
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: RETREC1
PURPOSE: COMPARES ENTITY CLASS NAMES FOR TWO MODELS
LANGUAGE: VAX-11 COBOL
SOURCE FILE: RETREC1
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

THIS ROUTINE DETERMINES AND REPORTS TO THE USER IF ANY
MATCHES IN ENTITY CLASS NAMES ARE FOUND WITHIN TWO MODELS.

ARGUMENTS:

MODEL-NO1	DSPLY[S9(9)]
MODEL-NO2	DSPLY[S9(9)]

INCLUDE FILES:

SRVRET
ERRPRO

ROUTINES CALLED:

VERENT
ADDPARM
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: RETREC2
PURPOSE: COMPARES PRIMARY ENTITY CLASS NAMES FOR TWO MODELS
LANGUAGE: VAX-11 COBOL
SOURCE FILE: RETREC2
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

THIS ROUTINE DETERMINES AND REPORTS TO THE USER IF A MATCH IN PRIMARY ENTITY CLASS NAMES ARE FOUND WITHIN TWO MODELS.

ARGUMENTS:

MODEL-NO1	DSPLY[S9(9)]
MODEL-NO2	DSPLY[S9(9)]

INCLUDE FILES:

SRVRET
ERRPRO

ROUTINES CALLED:

VERENTP
ADDPARM
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: RETRECP
PURPOSE: RETIEVE AN ENTITY CLASS NAME FOR A GIVEN NO. AND NAME TYPE
LANGUAGE: VAX-11 COBOL
SOURCE FILE: RETRECP
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

SELECT THE ENTITY CLASS NAME GIVEN THE ENTITY CLASS NUMBER AND NAME TYPE.

ARGUMENTS:

EC-NO	DSPLY[S9(9)]
EC-NAME-TYPE	DSPLY[X(8)]
EC-NAME	DSPLY[X(30)]

INCLUDE FILES:

SRVRET
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: RETRFLD
PURPOSE: RETREIVE ALL FIELDS OF A RECORD INTO A TABLE
LANGUAGE: VAX-11 COBOL
SOURCE FILE: RETRFLD
SOURCE FILE TYPE: PCO
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

THIS ROUTINE ASSUMES THE DF-TABLE HAS
BEEN INITIALISED. THE INPUT ARGUMENTS
DB-ID AND RT-ID SHOULD BE ENTERED INTO
THE TABLE.
ALL THE FIELDS BELONGING IN THE RECORD
ARE RETRIEVED INTO THE TABLE.
ZEROES IN DATA-TYPE-NAME INDICATE NULLS.

MOD 2/89 - REPLACE ORACLE STRUCTURED TREE QUERY WITH
ITERATIVE FETCH PROCESS FOLLOWED BY A SORT INTO
HIERARCHICAL ORDER. ALTHOUGH FOR THE GE REHOST
TO INGRES, IT MAKES THE ROUTINE SQL-STANDARD.

ARGUMENTS:

TDFT-TABLE	RECRD
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

ERRCDM
EOD
TDFTBL
ERRPRO

ROUTINES CALLED:

UERROR
SQLSCA
SQLBS1
SQLSCH
SQLSCC
SQLTOC
SQLOSQ
SQLADR
SQLAB1
SQLEXE
SQLCLS
SQLAD1
SQLFCH
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: RETRNGA
PURPOSE: RETRIEVE ALL RANGES AND PERFORM EDIT CHECKS ON THEM
LANGUAGE: VAX-11 COBOL
SOURCE FILE: RETRNGA
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

RETRIEVE THE RANGES OF A CERTAIN DOMAIN
ROW BY ROW VERIFYING THE BEGINNING AND
ENDING VALUE EACH TIME AGAINST STANDARD
DATA TYPE INFORMATION.

ARGUMENTS:

DOM-NO	DSPLY[S9(9)]
TYPE-ID	DSPLY[X]
MAX-SIZE	DSPLY[S9(9)]
NO-OF-DEC	DSPLY[S9(9)]
ERR-CNTR	DSPLY[S9(9)]
RET-COUNT	DSPLY[S9(9)]
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

ERRCDM
SRVRET
ERRPRO

ROUTINES CALLED:

RNGVERF
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: RETSTD
PURPOSE: RETRIEVE EDITTING INFORMATION FROM THE STANDARD DATA TYPE
LANGUAGE: VAX-11 COBOL
SOURCE FILE: RETSTD
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

RETRIEVE THE TYPE, SIZE AND NO. OF DECIMALS
FOR THE STANDARD DATA TYPE OF A
DOMAIN NUMBER

ARGUMENTS:

DOM-NO	DSPLY[S9(9)]
TYPE-ID	DSPLY[X]
MAX-SIZE	DSPLY[S9(9)]
NO-OF-DEC	DSPLY[S9(9)]
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

ERRCDM
SRVRET
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: RETVALA
PURPOSE: RETRIEVE THE LEGAL VALUES OF A DOMAIN AND EDIT CHECK
THEM
LANGUAGE: VAX-11 COBOL
SOURCE FILE: RETVALA
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

RETRIEVE THE VALUES OF A CERTAIN DOMAIN
ROW BY ROW VERIFYING THE ACTUAL VALUE
EACH TIME AGAINST STANDARD DATA TYPE
INFORMATION.

ARGUMENTS:

DOM-NO	DSPLY[S9(9)]
TYPE-ID	DSPLY[X]
MAX-SIZE	DSPLY[S9(9)]
NO-OF-DEC	DSPLY[S9(9)]
ERR-CNTR	DSPLY[S9(9)]
RET-COUNT	DSPLY[S9(9)]
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

ERRCDM
SRVRET
ERRPRO

ROUTINES CALLED:

VALVERF
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: RETVMOD
PURPOSE: RETRIEVE VERIF. MODULE NAME FOR A GIVEN DOMAIN NUMBER
LANGUAGE: VAX-11 COBOL
SOURCE FILE: RETVMOD
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

RETRIEVE THE MODULE NAME FROM THE
VERIF_MODULE TABLE FOR A SPECIFIC
DOMAIN NUMBER

ARGUMENTS:

DOM-NO	DSPLY[S9(9)]
MOD-NAME	DSPLY[X(10)]
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

ERRCDM
SRVRET
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: RNGVERF
PURPOSE: PERFORM EDIT CHECKS ON RANGES PASSED TO THIS ROUTINE
LANGUAGE: VAX-11 COBOL
SOURCE FILE: RNGVERF
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- PERFORM CERTAIN EDITS ON THE DOMAIN RANGES PASSED TO IT

ARGUMENTS:

DOM-RANGE	RECRD
TYPE-ID	DSPLY[X]
MAX-SIZE	DSPLY[S9(9)]
NO-OF-DEC	DSPLY[S9(9)]
NDDL-STATUS	DSPLY[S9(9)]

DOCGROUP PS41100 Module Documentation

NAME: RRCKW2
PURPOSE: COMPARES RELATION CLASS KEY WORDS FOR TWO MODELS
LANGUAGE: VAX-11 COBOL
SOURCE FILE: RRCKW2
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

THIS ROUTINE DOES A SEQUENTIAL SEARCH COMPARING RELATION
CLASS KEYWORDS OF TWO MODELS TO FIND A MATCH. IF A MATCH
IS FOUND, IT IS REPORTED TO THE USER.
MODIFIED 5/11/89: TO HANDLE BOTH CATEGORY AND LINK RELATIONS

ARGUMENTS:

EC-NO	DSPLY[S9(9)]
KW-TABLE	RECRD

INCLUDE FILES:

SRVRET
KWDTBL
ERRPRO

ROUTINES CALLED:

GETRCNM
ADDPARM
GETCRNM
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: SAVTAGS
PURPOSE: SAVE ALGORITHM TAGS IN A TABLE
LANGUAGE: VAX-11 COBOL
SOURCE FILE: SAVTAGS
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

-
A ONE DIMENSION TABLE IS USED TO HOLD
TAG NUMBERS RETRIEVED IN ROUTINE CMPTAG.C

ARGUMENTS:

TT-TABLE	RECRD
TAG-NO	DSPLY[S9(9)]
EC-NO	DSPLY[S9(9)]
RETURN-STATUS	DSPLY[S9(9)]

INCLUDE FILES:

ERRCDM
TAGTBL
ERRPRO

ROUTINES CALLED:

UERROR
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: SEL1DSC
PURPOSE: SELECT ONE DESCRIPTION TEXT
LANGUAGE: VAX-11 COBOL
SOURCE FILE: SEL1DSC
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

EXT

DESCRIPTION :- This routine selects the description text and line number from desc_text using description type, object type, and object number.

ARGUMENTS:

OBJECT-TYPE	DSPLY[X(30)]
FROM-OBJ-NO	DSPLY[S9(9)]
DESC-TYPE	DSPLY[X(30)]
TO-OBJ-NO	DSPLY[S9(9)]
RET-COUNT	DSPLY[S9(9)]
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

ERRCDM
SRVRET
ERRPRO

ROUTINES CALLED:

INSDESC
UERROR
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: SELACNM
PURPOSE: RETRIEVE THE PRIMARY NAME FOR ATTRIBUTE CLASS
LANGUAGE: VAX-11 COBOL
SOURCE FILE: SELACNM
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:
---
this ndml routine selects the primary attribute
class name given the attribute class number

ARGUMENTS:

AC-NO	DSPLY[S9(9)]
AC-NAME-TYPE	DSPLY[X(8)]
AC-NAME	DSPLY[X(30)]

INCLUDE FILES:

SRVRET
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: SELAIMP
PURPOSE: SELECTS AND DELETES ALL ROWS FOR A GIVEN TAG AND PREF.
LANGUAGE: VAX-11 COBOL
SOURCE FILE: SELAIMP
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- THIS ROUTINE WILL SELECT ALL ROWS FOR A GIVEN TAG AND PREFERENCE NUMBER , DELETES THE ROW, CHECKS TO SEE IF THE RETURNED ENTITY AND RECORD NUMBER IS USED FOR ANY OTHER ATTRIBUTE TO DATAFIELD/SET MAPPING. IF NOT, THE ENTITY TO RECORD MAPPING WILL BE DELETED.

ARGUMENTS:

TAG-NO	DSPLY[S9(9)]
PREF-NO	DSPLY[S9(9)]
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

ERRCDM
SRVRET
ERRPRO

ROUTINES CALLED:

DEL1AIM
DEL1ERT
UERROR
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: SELAIMT
PURPOSE: DETERMINES ALL MAPPINGS FOR A GIVEN TAG AND DROPS THEM
LANGUAGE: VAX-11 COBOL
SOURCE FILE: SELAIMT
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- THIS ROUTINE WILL SELECT ALL ROWS FROM AUC_IS_MAPPING FOR A GIVEN TAG NUMBER, DELETES THE ROW. ALSO, ROUTINE DELETES THE ENTITY TO RECORD MAPPING IF NO OTHER MAPPINGS OF UNIONS AND DEPENDENT ON THE EC TO RT MAPPING.

ARGUMENTS:

TAG-NO	DSPLY[S9(9)]
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

ERRCDM
SRVRET
ERRPRO

ROUTINES CALLED:

DEL1AIM
DEL1ERT
UERROR
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: SELAISM
PURPOSE: SELECTS MAP CLASS AND CATEGORY FOR A SPECIFIC TAG
LANGUAGE: VAX-11 COBOL
SOURCE FILE: SELAISM
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

ARGUMENTS:

TAG-NO	DSPLY[S9(9)]
PREF-NO	DSPLY[S9(9)]
MAP-CLASS	DSPLY[X(30)]
MAP-CATEGORY	DSPLY[X(8)]
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

ERRCDM
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: SELAPRM
PURPOSE: SELECT AUC PARM'S AND LOAD INTO TABLE
LANGUAGE: VAX-11 COBOL
SOURCE FILE: SELAPRM
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

ARGUMENTS:

MOD-ID	DSPLY[X(10)]
USE-CODE	DSPLY[X]
MOD-INST	DSPLY[S99]
AUC-PARM-TABLE	RECRD

INCLUDE FILES:

ERRCDM
SRVRET
AUPTBL
ERRPRO

ROUTINES CALLED:

UERROR
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: SELCATC
PURPOSE: SELECT A CATEGORY RELATION TYPE CODE
LANGUAGE: VAX-11 COBOL
SOURCE FILE: SELCATC
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

-

This routine will select the category_type_code for a specific category relation.

ARGUMENTS:

RC-NO	DSPLY[S9(9)]
GEN-EC-NO	DSPLY[S9(9)]
CAT-TYPE-CODE	DSPLY[X(10)]
RTN-STATUS	DSPLY[S9(9)]

INCLUDE FILES:

SRVRET
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: SELCATM
PURPOSE: SELECT COUNT OF CATEGORY MEMBERS FOR A SPECIFIC
CATEGORY RELATION
LANGUAGE: VAX-11 COBOL
SOURCE FILE: SELCATM
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

-

This routine will select the count of category members for specific
category relation.

ARGUMENTS:

RC-NO	DSPLY[S9(9)]
CAT-MEM-COUNT	DSPLY[S9(9)]
RTN-STATUS	DSPLY[S9(9)]

INCLUDE FILES:

SRVRET
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: SELCRAD
PURPOSE: GET DOMAIN NO OF THE DISCRIMINATING ATTRIBUTE FOR
CATEGORY RELATION
LANGUAGE: VAX-11 COBOL
SOURCE FILE: SELCRAD
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

SELECTS TAG NUMBER OF THE DISCRIMINATING ATTRIBUTE OF A
CATEGORY
RELATION AND ITS CORRESPONDING DOMAIN NUMBER

ARGUMENTS:

RC-NO	DSPLY[S9(9)]
GEN-EC-NO	DSPLY[S9(9)]
DOM-NO	DSPLY[S9(9)]
RTN-STATUS	DSPLY[S9(9)]

INCLUDE FILES:

SRVRET
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: SELCRDN
PURPOSE: SELECT THE CARDINALITY VALUES FOR A GIVEN RELATION
LANGUAGE: VAX-11 COBOL
SOURCE FILE: SELCRDN
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

-

ARGUMENTS:

RC-NO	DSPLY[S9(9)]
IND-EC-NO	DSPLY[S9(9)]
DEP-EC-NO	DSPLY[S9(9)]
NO-IND-ENT	DSPLY[S9(9)]
MIN-NO-DEP-ENT	DSPLY[S9(9)]
MAX-NO-DEP-ENT	DSPLY[S9(9)]
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

ERRCDM
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: SELDB
PURPOSE: SELECTS GIVEN DBMS AND LOADS DATABASE TABLE FOR EACH
LANGUAGE: VAX-11 COBOL
SOURCE FILE: SELDB
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

-

ARGUMENTS:

DBMS-NAME	DSPLY[X(30)]
DESC-FLAG	DSPLY[X]

INCLUDE FILES:

ERRCDM
SRVRET
DBTBL
ERRPRO

ROUTINES CALLED:

UERROR
GENDB
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: SELDBAA
PURPOSE: SELECT ALL AREAS FOR A RECORD AND DB, GENERATE "IN
• AREAS" FOR EACH
LANGUAGE: VAX-11 COBOL
SOURCE FILE: SELDBAA
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- An NDML select to retrieve all areas associated with a given database and record. Also generates IN AREAS clause of DEFINE RECORD for each area.

ARGUMENTS:

DB-ID	DSPLY[S9(9)]
RT-ID	DSPLY[X(30)]

INCLUDE FILES:

ERRCDM
SRVRET
ERRPRO

ROUTINES CALLED:

ADDPARM
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: SELDBMS
PURPOSE: SELECTS DBMS NAME GIVEN A DATAFIELD NO.
LANGUAGE: VAX-11 COBOL
SOURCE FILE: SELDBMS
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

-

ARGUMENTS:

DF-NO	DSPLY[S9(9)]
DBMS-NAME	DSPLY[X(30)]

INCLUDE FILES:

ERRCDM
SRVRET
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: SELDBNM
PURPOSE: SELECT THE DATA BASE NAME GIVEN THE DB ID
LANGUAGE: VAX-11 COBOL
SOURCE FILE: SELDBNM
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

-

ARGUMENTS:

DB-ID	DSPLY[S9(9)]
DB-NAME	DSPLY[X(30)]

INCLUDE FILES:

ERRCDM
SRVRET
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: SELDBRT
PURPOSE: RETURN THE RECORD AND DATABASE GIVEN THE RECORD-NO
LANGUAGE: VAX-11 COBOL
SOURCE FILE: SELDBRT
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

-

ARGUMENTS:

RT-NO	DSPLY[S9(9)]
DB-NAME	DSPLY[X(30)]
RT-ID	DSPLY[X(30)]
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

ERRCDM
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: SELDESC
PURPOSE: SELECT DESCRIPTION TEXT FOR A GIVEN DESC-TYPE, OBJ
LANGUAGE: VAX-11 COBOL
SOURCE FILE: SELDESC
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

EXT FOR A GIVEN DESC-TYPE, OBJ

DESCRIPTION :- This routine selects all of the description texts and line numbers given the object type and object number. The routine then calls INSDESC to insert the text into the CDM.

ARGUMENTS:

OBJECT-TYPE	DSPLY[X(30)]
FROM-OBJ-NO	DSPLY[S9(9)]
TO-OBJ-NO	DSPLY[S9(9)]
RET-COUNT	DSPLY[S9(9)]
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

ERRCDM
SRVRET
ERRPRO

ROUTINES CALLED:

INSDESC
UERROR
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: SELDFPM
PURPOSE: SELECT DF PARM'S AND LOAD TABLE
LANGUAGE: VAX-11 COBOL
SOURCE FILE: SELDFPM
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

-

ARGUMENTS:

MOD-ID	DSPLY[X(10)]
USE-CODE	DSPLY[X]
MOD-INST	DSPLY[S99]
DF-PARM-TABLE	RECRD

INCLUDE FILES:

ERRCDM
SRVRET
DFPTBL
ERRPRO

ROUTINES CALLED:

UERROR
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: SELDI
PURPOSE: SELECT DATA ITEMS USED IN ALG CONVERSION
LANGUAGE: VAX-11 COBOL
SOURCE FILE: SELDI
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- CALLED FROM GENCMPX, THIS ROUTINE WILL SELECT DATA ITEMS

ARGUMENTS:

MOD-ID	DSPLY[X(10)]
ALG-USE-CODE	DSPLY[X]
MOD-INST	DSPLY[S99]
DI-NO	DSPLY[S9(9)]

INCLUDE FILES:

ERRCDM
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: SELDSTP
PURPOSE: SELECT ALL DESCRIPTION TYPES AND GENERATES NDDL
LANGUAGE: VAX-11 COBOL
SOURCE FILE: SELDSTP
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

YPES AND GENERATES NDDL

DESCRIPTION :-
THIS ROUTINE WILL SELECT ALL DESCRIPTION TYPES
AVAILABLE AND CALL A SUBROUTINE TO PRODUCE THE
NDDL COMMAND TO CREATE THE SPECIFIC DESCRIPTION
TYPE.
YPE ...
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(

ARGUMENTS:

RTN-STATUS DSPLY[S9(9)]

INCLUDE FILES:

ERRCDM
SRVRET
ERRPRO

ROUTINES CALLED:

WRTDSTP
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: SELECNM
PURPOSE: RETRIEVE THE PRIMARY NAME FOR AN ENTITY CLASS
LANGUAGE: VAX-11 COBOL
SOURCE FILE: SELECNM
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

-

this ndml routine selects the primary entity
class name given the entity class number

ARGUMENTS:

EC-NO	DSPLY[S9(9)]
EC-NAME-TYPE	DSPLY[X(8)]
EC-NAME	DSPLY[X(30)]

INCLUDE FILES:

SRVRET
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: SELECXR
PURPOSE: SELECT EC NUMBER AND NAME AND LOAD THEM INTO EC-TABLE
LANGUAGE: VAX-11 COBOL
SOURCE FILE: SELECXR
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- THIS ROUTINE WILL SELECT THE EC-NO AND
EC-NAME AND WILL LOAD THEM INTO THE ECTBL AND ASSIGN EACH
ENTITY AN UNIQUE ABBREVIATION.

ARGUMENTS:

VIEW-NO	DSPLY[S9(9)]
EC-NAME-TABLE	RECRD
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

ERRCDM
SRVRET
ECTBL
ERRPRO

ROUTINES CALLED:

UERROR
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: SELHOST
PURPOSE: COPY ALL HOSTS IN THE CDM FOR A GIVEN DBMS AND MODEL
LANGUAGE: VAX-11 COBOL
SOURCE FILE: SELHOST
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- CALLED FROM CPYDBMS AND SELDBMS, THIS ROUTINE WILL COPY
ALL HOST ID'S RETRIEVED FROM THE CDM
FOR A GIVEN DBMS AND MODEL.

ARGUMENTS:

DBMS-NAME	DSPLY[X(30)]
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

ERRCDM
ERRPRO

ROUTINES CALLED:

ADDPARM
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: SELHP
PURPOSE: NDML TO VERIFY AN EC_NO IN THE HORIZONTAL_PART TABLE
FOR DROP ENTITY
LANGUAGE: VAX-11 COBOL
SOURCE FILE: SELHP
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

-

ARGUMENTS:

EC-NO DSPLY[S9(9)]
NDDL-STATUS DSPLY[S9(9)]

INCLUDE FILES:

ERRCDM
SRVRET
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: SELHSTS
PURPOSE: COPY ALL HOSTS IN THE CDM
LANGUAGE: VAX-11 COBOL
SOURCE FILE: SELHSTS
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- CALLED FROM CPYHST, THIS ROUTINE WILL COPY ALL HOST ID'S RETRIEVED FROM THE HOST TABLE IN THE CDM.

ARGUMENTS:

DESC-FLAG	DSPLY[X]
PSB-FLAG	DSPLY[X]
HOST-COUNT	DSPLY[S9(9)]
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

ERRCDM
ERRPRO

ROUTINES CALLED:

CPY1HST
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: SELIKEY
PURPOSE: RETRIEVE ALL INHERITED KEYS FOR A GIVEN EC AND RC
LANGUAGE: VAX-11 COBOL
SOURCE FILE: SELIKEY
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

-

THIS ROUTINE SELECTS THE INHERITED KEYS AND
POPULATES A TABLE GIVEN THE DEPENDENT ENTITY
AND RELATION CLASS NUMBER.

ARGUMENTS:

MODEL-NO	DSPLY[S9(9)]
MODEL-NAME	DSPLY[X(30)]
RC-NO	DSPLY[S9(9)]
DEP-EC-NO	DSPLY[S9(9)]
KC-LIST	RECRD
RETURN-STATUS	DSPLY[S9(9)]

INCLUDE FILES:

SRVRET
KEYLIST
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: SELKCM
PURPOSE: SELECT ALL KEY CLASS MEMBERS OF A KEY CLASS.
LANGUAGE: VAX-11 COBOL
SOURCE FILE: SELKCM
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- SELECT ALL KEY CLASS MEMBERS OF A KEY CLASS
AND GENERATE THEIR NAMES AS PART OF THE ALTER ENTITY ADD KEY
KC-NAME = COMMAND.

ARGUMENTS:

KC-NO	DSPLY[S9(9)]
COMMENT-FLAG	DSPLY[X]

INCLUDE FILES:

ERRCDM
SRVRET
ERRPRO

ROUTINES CALLED:

VERITAG
ADDPARM
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: SELKCMA
PURPOSE: SELECT ALL KEY CLASSES AN ATTRIBUTE IS A MEMBER OF
LANGUAGE: VAX-11 COBOL
SOURCE FILE: SELKCMA
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- SELECT ALL KEY CLASSES AN ATTRIBUTE IS A
MEMBER OF AND POPULATE THE OLD TAG MIGRATION
TABLE WITH THE KC-NO'S.

ARGUMENTS:

TAG-NO-NEW	DSPLY[S9(9)]
OLD-TAG-MIGRATION-TBL	RECRD
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

ERRCDM
SRVRET
OLDTAGT
ERRPRO

ROUTINES CALLED:

UERROR
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: SELMODS
PURPOSE: COPY ALL USER DEFINED SOFTWARE MODULES
LANGUAGE: VAX-11 COBOL
SOURCE FILE: SELMODS
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- CALLED FROM CPYMODU, THIS ROUTINE WILL COPY
ALL MODULES FROM THE SOFTWARE_MODULE
TABLE THAT WERE PREVIOUSLY DEFINED BY NDDL USER

ARGUMENTS:

STATUS-IND	DSPLY[X]
MODID-COUNT	DSPLY[S9(9)]
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

ERRCDM
ERRPRO

ROUTINES CALLED:

CPY1SMD
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: SELMREC
PURPOSE: SELECTS GIVEN DATABASE/RECORD MAP TO BE COPIED
LANGUAGE: VAX-11 COBOL
SOURCE FILE: SELMREC
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

-

ARGUMENTS:

DB-NAME	DSPLY[X(30)]
RT-ID	DSPLY[X(30)]
DB-ID	DSPLY[S9(9)]
PART-FLAG	DSPLY[X]
UNION-FLAG	DSPLY[X]
MOD-TABLE	RECRD
HP-TABLE	RECRD
ECRT-TABLE	RECRD

INCLUDE FILES:

ERRCDM
SRVRET
MDTBL
HPTBL
ECRTBL
ERRPRO

ROUTINES CALLED:

GENCRUN
UWARN
GENCRPT
GENCREC
GENMAP
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: SELMTAG
PURPOSE: SELECT TAGS THAT HAVE BEEN MAPPED GIVEN EC NO
LANGUAGE: VAX-11 COBOL
SOURCE FILE: SELMTAG
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

-

ARGUMENTS:

EC-NO	DSPLY[S9(9)]
EC-NAME	DSPLY[X(30)]
MOD-TABLE	RECRD

INCLUDE FILES:

ERRCDM
SRVRET
MDTBL
ERRPRO

ROUTINES CALLED:

GENMAP
UWARN
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: SELPARM
PURPOSE: RETRIEVE PARAMETER LIST FROM MODULE_PARAMETER
LANGUAGE: VAX-11 COBOL
SOURCE FILE: SELPARM
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- SELECT ALL PARAMETERS FROM MODULE_PARAMETER
TABLE GIVEN THE MODULE NAME (MOD-ID) INTO
AN INTERNAL PROGRAM TABLE

ARGUMENTS:

MOD-ID	DSPLY[X(10)]
PARM-TABLE	RECRD
FOUND	DSPLY[S9(9)]
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

ERRCDM
SRVRET
ERRPRO

ROUTINES CALLED:

UERROR
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: SELPEC
PURPOSE: SELECT PRIMARY ENTITY NUMBER GIVEN AN ENTITY NAME
LANGUAGE: VAX-11 COBOL
SOURCE FILE: SELPEC
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- NDML select to retrieve the primary ec-no
for a given ec-name.If the name-type is an
alias select the primary name where the ec-no
equals the number selected above.

ARGUMENTS:

EC-NAME	DSPLY[X(30)]
EC-NO	DSPLY[S9(9)]

INCLUDE FILES:

ERRCDM
SRVRET
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: SELRCNM
PURPOSE: RETRIEVE ALL RELATION CLASSES FOR WHICH AN ENTITY IS
PART OF
LANGUAGE: VAX-11 COBOL
SOURCE FILE: SELRCNM
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

SELECTS RELATIONS, IF ANY EXIST, GIVEN THE INDEPENDENT AND DEPENDENT ENTITY NUMBERS. RCNO-LIST TABLE IS THEN POPULATED WITH THE RELATION CLASS NUMBER AND NAME.

ARGUMENTS:

IND-EC-NO	DSPLY[S9(9)]
DEP-EC-NO	DSPLY[S9(9)]
LIST-OF-REL	RECRD
RTN-STATUS	DSPLY[S9(9)]

INCLUDE FILES:

SRVRET
LISTREL
ERRPRO

ROUTINES CALLED:

UWARN
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: SELRELC
PURPOSE: DETERMINE HOW MANY RELATION CLASSES EXIST.
LANGUAGE: VAX-11 COBOL
SOURCE FILE: SELRELC
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- DETERMINE HOW MANY RELATION CLASES EXIST BETWEEN A SPECIFIED INDEPENDENT ENTITY AND DEPENDENT ENTITY.

ARGUMENTS:

IND-EC-NO-INPUT	DSPLY[S9(9)]
DEP-EC-NO-INPUT	DSPLY[S9(9)]
COUNTER	DSPLY[S9(9)]
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

ERRCDM
SRVRET
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: SELRELL
PURPOSE: DETERMINE HOW MANY RELATION CLASSES EXIST.
LANGUAGE: VAX-11 COBOL
SOURCE FILE: SELRELL
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- DETERMINE HOW MANY RELATION CLASES EXIST BETWEEN A SPECIFIED INDEPENDENT ENTITY AND DEPENDENT ENTITY.

ARGUMENTS:

GEN-EC-NO-INPUT	DSPLY[S9(9)]
CAT-EC-NO-INPUT	DSPLY[S9(9)]
COUNTER	DSPLY[S9(9)]
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

ERRCDM
SRVRET
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: SELRMAP
PURPOSE: SELECT SETS, DB'S, AND RT'S GIVEN A COMPLETE RELATION
LANGUAGE: VAX-11 COBOL
SOURCE FILE: SELRMAP
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

-

ARGUMENTS:

RC-NO	DSPLY[S9(9)]
SET-ID	DSPLY[X(30)]
DB-NAME	DSPLY[X(30)]
RT-ID-MEM	DSPLY[X(30)]
IND-EC-NAME	DSPLY[X(30)]
RC-NAME	DSPLY[X(30)]
DEP-EC-NAME	DSPLY[X(30)]

INCLUDE FILES:

ERRCDM
SRVRET
ERRPRO

ROUTINES CALLED:

GENMREL
UWARN
ADDPARM
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: SELRSET
PURPOSE: DELETE ALL ASSOCIATIONS IN THE CDM FOR A SET BEING
DROPPED
LANGUAGE: VAX-11 COBOL
SOURCE FILE: SELRSET
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

THIS ROUTINE DELETES THE SET
WHICH IS OWNED BY THE RECORD TO BE DROPPED.
VERIFY THAT THE SET IS NOT MAPPED BY CHECKING
1. AUC_ST_MAPPING
2. RC_BASED_REC_SET
IF IT IS NOT MAPPED, DELETE THE SET FROM
1. RECORD_SET
2. SET_TYPE_MEMBER
THEN, DELETE THE TEXTUAL DESCRIPTION AND
ADD THE SET NUMBER TO THE REUSABLE POOL.

ARGUMENTS:

DB-ID	DSPLY[S9(9)]
RT-ID	DSPLY[X(30)]
MAP-FLAG	DSPLY[X]
RETURN-STATUS	DSPLY[S9(9)]

INCLUDE FILES:

SRVRET
UNIQENO
ERRPRO

ROUTINES CALLED:

VERRSUS
UERROR
FNDASA
VERRCBS
DELRST2
DELSTM2
DELTEXT
ADDRNUM
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: SELRTPM
PURPOSE: SELECT RT PARM'S AND LOAD TABLE
LANGUAGE: VAX-11 COBOL
SOURCE FILE: SELRTPM
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

-

ARGUMENTS:

MOD-ID	DSPLY[X(10)]
USE-CODE	DSPLY[X]
MOD-INST	DSPLY[S99]
RT-PARM-TABLE	RECRD

INCLUDE FILES:

ERRCDM
SRVRET
RTPTBL
ERRPRO

ROUTINES CALLED:

UERROR
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: SELSTM
PURPOSE: DELETES ALL MEMBERS OF THE RECORD TYPE BEING DROPPED
LANGUAGE: VAX-11 COBOL
SOURCE FILE: SELSTM
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

THIS ROUTINE DELETES THE OWNER AND ALL THE MEMBERS OF A SET
WHICH IS A MEMBER IN THE RECORD TO BE DROPPED.
VERIFY THAT THE SET IS NOT MAPPED BY CHECKING
1. AUC_ST_MAPPING
2. RC_BASED_REC_SET
IF IT IS NOT MAPPED, DELETE THE SET FROM
1. RECORD_SET
2. SET_TYPE_MEMBER
THEN, DELETE THE TEXTUAL DESCRIPTION AND
ADD THE SET NUMBER TO THE REUSABLE POOL.

ARGUMENTS:

DB-ID	DSPLY[S9(9)]
RT-ID	DSPLY[X(30)]
MAP-FLAG	DSPLY[X]
RETURN-STATUS	DSPLY[S9(9)]

INCLUDE FILES:

SRVRET
UNIQENO
ERRPRO

ROUTINES CALLED:

VERRSUS
UERROR
FNDASA
VERRCBS
DELRST2
DELSTM2
DELTEXT
ADDRNUM
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: SELTGEC
PURPOSE: SELECT TAG NAME AND EC NUMBER GIVEN TAG NUMBER
LANGUAGE: VAX-11 COBOL
SOURCE FILE: SELTGEC
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- THIS ROUTINE WILL SELECT A TAG NAME AND AN EC NUMBER GIVEN A TAG NUMBER.

ARGUMENTS:

TAG-NO	DSPLY[S9(9)]
TAG-NAME	DSPLY[X(30)]
EC-NO	DSPLY[S9(9)]
TAG-COUNT	DSPLY[S9(9)]
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

ERRCDM
SRVRET
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: SELUNIN
PURPOSE: RETRIEVE RECORD UNION FOR A GIVEN ENTITY
LANGUAGE: VAX-11 COBOL
SOURCE FILE: SELUNIN
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- SELECT ALL INFORMATION FROM ECRTUD
TABLE FOR A GIVEN ENTITY NUMBER AND
RECORD TYPE NUMBER,

ARGUMENTS:

RT-NO	DSPLY[S9(9)]
EC-NO	DSPLY[S9(9)]
DF-NO	DSPLY[S9(9)]
UNION-VALUE	DSPLY[X(30)]
COMPARISON-OP	DSPLY[XX]
FOUND	DSPLY[S9(9)]
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

ERRCDM
SRVRET
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: SELURT
PURPOSE: RETRIEVE ALL UNIONS FOR A GIVEN ENTITY
LANGUAGE: VAX-11 COBOL
SOURCE FILE: SELURT
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- SELECT ALL UNIONS FROM ECRTUD
FOR A GIVEN RECORD TYPE NUMBER

ARGUMENTS:

FUNC-TYPE	DSPLY[X(5)]
RT-NO	DSPLY[S9(9)]
EC-NO	DSPLY[S9(9)]
DF-NO	DSPLY[S9(9)]
UNION-VALUE	DSPLY[X(30)]
FOUND	DSPLY[S9(9)]
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

ERRCDM
SRVRET
ERRPRO

ROUTINES CALLED:

DELUNIN
UERROR
DEL1ERT
ECRTALL
DRPRULE
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: SETOUT
PURPOSE: SET OUPUT TO FILE OR SCREEN
LANGUAGE: VAX-11 COBOL
SOURCE FILE: SETOUT
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

-
this routine establishes the output mode for
generated nddl commands -- output of the copy,
combine, merge, check and compare commands.
Output may be generated to a user defined file -
a new file or appended to an existing file or
sent to the screen.

Retrieve from the parser lists whether output is to be
generated on file (new or existing) or sent to the screen.
Establish the file name and file flag as global variables.

INCLUDE FILES:

LISTNOS
ERRPRO

ROUTINES CALLED:

CPFONE
LOWUPP
SETGLOB
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: SMVIEW
PURPOSE: CREATE ES-CS-MAPPING FOR USER SPECIFIED RETRIEVE LIST
LANGUAGE: VAX-11 COBOL
SOURCE FILE: SMVIEW
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

SMVIEW CREATES THE ES TO CS MAPPING WHEN THE USER SPECIFIES A RETRIEVE LIST. DATA ITEMS ARE STORED USING THE SAME NAME AS THE ATTRIBUTE USE CLASS (TAG) SPECIFIED ON THE RETRIEVE LIST.

ARGUMENTS:

VIEW-NO	DSPLY[S9(9)]
EC-NO	DSPLY[S9(9)]
VIEW-RETRIEVE-LIST	RECRD
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

ERRCDM
UNIQENO
VWRETR

ROUTINES CALLED:

GETDOM
UERROR
VERSDT
GETNNUM
INSDI
INSPDI

DOCGROUP PS41100 Module Documentation

NAME: STARTBL
PURPOSE: GET TOP NODES OF RC-DEPKC-LIST TABLE
LANGUAGE: VAX-11 COBOL
SOURCE FILE: STARTBL
SOURCE FILE TYPE: PCO
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

-

MOVE ALL TOP NODE ENTRIES INTO THE TABLE.
Modified 9/4/89: Changes required because of RC-DEPKC-LIST
and category relations

ARGUMENTS:

MODEL-NO DSPLY[S9(9)]
RC-DEPKC-LIST
DEP-EC-LIST
RET-STATUS

INCLUDE FILES:

KEYLIST
ERRCDM
EOD
RCDEPKC
DEPECL
ERRPRO

ROUTINES CALLED:

SQLSCA
SQLBS1
SQLSCH
SQLSCC
SQLTOC
SQLOSQ
SQLADR
SQLAB1
SQLEXE
UERROR
SQLCLS
SQLAD1
SQLFCH
BLDRCEC
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: STRINS
PURPOSE: INSERT DESCRIPTION TEXT INTO THE CDM
LANGUAGE: VAX-11 COBOL
SOURCE FILE: STRINS
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

EXT INTO THE CDM

DESCRIPTION : STRINS INSERTS DESCRIPTION TEXT INTO THE DATABASE
WHICH WAS ENTERED AS PART OF THE DESCRIBE COMMAND TEXT.
5/18/88: CONVERT FROM COBOL HLI ROUTINE TO .PRC ROUTINE
INSERT DESCRIPTION TEXT FROM THE USER-ENTERED TEXT STRING 1 LINE AT A TIME. PRIOR TO THE TEXT INSERTION, DELETE ALL PREVIOUS DESCRIPTION TEXT, IF ANY.
EXT, IF ANY

ARGUMENTS:

OBJ-TYPE	DSPLY[X(30)]
DESC-TYPE	DSPLY[X(30)]
OBJ-NO	DSPLY[S9(9)]
LINE-COUNT	DSPLY[S9(9)]

INCLUDE FILES:

ERRCDM
ERRPRO

ROUTINES CALLED:

DELTXT
GETNCHR
UERROR
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: STRQCRF
PURPOSE: PERFORMS SUBROUTINE CALLS TO STORE QUALIFY CRITERIA
LANGUAGE: VAX-11 COBOL
SOURCE FILE: STRQCRF
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- THIS ROUTINE PERFORMS THE NECESSARY SUBROUTINE CALLS TO STORE THE QUALIFICATION CRITERIA ITEMS FOR THE 'WHERE CLAUSE' AS PART OF CREATE VIEW COMMAND.

ARGUMENTS:

VIEW-NO	DSPLY[S9(9)]
CS-QUAL-CRITERIA-LIST	RECRD
BOOLEAN-LIST	RECRD
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

CHKCDM
ERRCDM
BOOLST
CSQCLST
ERRPRO

ROUTINES CALLED:

INSQCRF
INSQCTG
UERROR
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: TERATTR
PURPOSE: CREATE AN ATTRIBUTE, ASSOCIATE WITH ENTITY, ADD KEY CLASSES
LANGUAGE: VAX-11 COBOL
SOURCE FILE: TERATTR
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

This routine creates an attribute, adds as owned to an entity and finally adds all key classes for the entity class.

ARGUMENTS:

KC-LIST	RECRD
OLD-EC-NO	DSPLY[S9(9)]
OLD-AC-NO	DSPLY[S9(9)]
OLD-TAG-NO	DSPLY[S9(9)]
TAG-NAME	DSPLY[X(30)]
DOM-NO	DSPLY[S9(9)]
TO-MODEL-NO	DSPLY[S9(9)]
NEW-EC-NO	DSPLY[S9(9)]
KW-FLAG	DSPLY[9]
ALIAS-FLAG	DSPLY[9]
DESC-FLAG	DSPLY[9]
KEY-FLAG	DSPLY[9]
NKEY-FLAG	DSPLY[9]

INCLUDE FILES:

UNIQENO
KCLIST
ERRPRO

ROUTINES CALLED:

VERKCM
BLDATT1
UERROR
VEROAC
INSOAC
GETNNUM
INSAUC
KEYLOOK
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: TERDIR
PURPOSE: PROCESS AN INTER-MODEL, SIMPLE, DIRECTLY COPY ENTITY
COMMAND.
LANGUAGE: VAX-11 COBOL
SOURCE FILE: TERDIR
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- GET ALL THE EXCEPT CLAUSE INFORMATION AND CALL AN
EXISTING ROUTINE ICOPENT.COB TO INSERT THE ENTITY, ATTRIBUTES
AND ASSOCIATED KEYWORDS,ALIAS AND DESCRIPTIONS.

-
ALLOWED EXCEPTIONS: DESCRIPTIONS, ALIASES, KEYWORDS, KEYS
ATTRIBUTES AND NONKEY-ATTRIBUTES

ARGUMENTS:

MODEL-NO	DSPLY[S9(9)]
TO-EC-NAME	DSPLY[X(30)]
FROM-EC-NO	DSPLY[S9(9)]

INCLUDE FILES:

LISTNOS
ERRPRO

ROUTINES CALLED:

CPFONE
ICOPENT
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: TERKEY
PURPOSE: INSERT A KEY CLASS AND A KEY CLASS MEMBER
LANGUAGE: VAX-11 COBOL
SOURCE FILE: TERKEY
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

-

MODIFIED 7/24/89: ADDED LOGIC TO HANDLE KEY-TYPE

ARGUMENTS:

NEW-EC-NO	DSPLY[S9(9)]
NEW-TAG-NO	DSPLY[S9(9)]
KC-NAME	DSPLY[X(30)]
KC-NO	DSPLY[S9(9)]
KC-TYPE	DSPLY[X(10)]
KC-LIST	RECRD
RETURN-STATUS	DSPLY[S9(9)]

INCLUDE FILES:

UNIQENO
KCLIST
ERRPRO

ROUTINES CALLED:

GETNNUM
UERROR
INSKC
INSKCM
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: TERREL
PURPOSE: PROCESS AN INTER-MODEL COPY ENTITY WITH RELATION
COMMAND
LANGUAGE: VAX-11 COBOL
SOURCE FILE: TERREL
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- Process an inter-mdoel copy entity with
relation command.
MODIFIED 7/27/89: ADDED LOGIC TO HANDLE CATEGORY RELATIONS

ARGUMENTS:

MODEL-NO	DSPLY[S9(9)]
TO-EC-NAME	DSPLY[X(30)]
FROM-EC-NO	DSPLY[S9(9)]
CUR-MOD-NAME	DSPLY[X(30)]
FROM-MOD-NO	DSPLY[S9(9)]
FROM-MOD-NAME	DSPLY[X(30)]

INCLUDE FILES:

CHKCDM
DEPECL
ERRCDM
LISTNOS
ERRPRO

ROUTINES CALLED:

NFLOPEN
ADDPARM
CPFONE
COPEKW
COPVALI
GENDESC
COPOA
BLKCL1
DEPKCM
DEPKCM1
GENDEP
GENCAT
GENALTE
GENIND
GENGENC
NFLCLOS
VERENT
SELRELC
SELRELL
LDECLST

CPFNXT
UERROR
UWARN
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: TERSIM
PURPOSE: PROCESS AN INTER-MODEL, SIMPLE, ON-FILE,COPY ENTITY COMMAND.
LANGUAGE: VAX-11 COBOL
SOURCE FILE: TERSIM
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

ALLOWED EXCEPTIONS: DESCRIPTION, ALIAS, KEYWORD, ATTRIBUTES, KEYS, NONKEYS

ARGUMENTS:

TO-MODEL-NO	DSPLY[S9(9)]
TO-EC-NAME	DSPLY[X(30)]
FROM-EC-NO	DSPLY[S9(9)]
CUR-MOD-NAME	DSPLY[X(30)]
FROM-MOD-NO	DSPLY[S9(9)]

INCLUDE FILES:

LISTNOS
ERRPRO

ROUTINES CALLED:

NFLOPEN
ADDPARM
CPFONE
COPEKW
GENDESC
COPVALI
COPOA
GENKEY
NFLCLOS
UERROR
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: TERSTR
PURPOSE: PROCESS AN INTER-MODEL ON FILE COPY ENTITY WITH
STRUCTURE COMMAND
LANGUAGE: VAX-11 COBOL
SOURCE FILE: TERSTR
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

MODIFIED 7/24/89: ADDED LOGIC TO HANDLE CATEGORY RELATIONS
ALLOWED EXCEPTIONS: DESCRIPTIONS, KEYWORDS, ALIASES, KEYS,
NONKEYS
ATTRIBUTES, DEPENDENT ENTITIES.

ARGUMENTS:

TO-MODEL-NO	DSPLY[S9(9)]
TO-EC-NAME	DSPLY[X(30)]
FROM-EC-NO	DSPLY[S9(9)]
CUR-MOD-NAME	DSPLY[X(30)]
FROM-MOD-NO	DSPLY[S9(9)]
FROM-MOD-NAME	DSPLY[X(30)]

INCLUDE FILES:

CHKCDM
ERRCDM
LISTNOS
DEPECL
RCDEPKC
ERRPRO

ROUTINES CALLED:

NFLOPEN
ADDPARM
CPFONE
BLKCL1
BLRCKC1
COPEKW
COPVALI
GENDESC
COPOA
GENALTE
DEPENTD
DEPRELA
NFLCLOS
VERENT
LDECLST
DEPEC
CPFNXT
UERROR
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: TRADIR
PURPOSE: PROCESS AN INTRA MODEL-DIRECTLY COPY ENTITY COMMAND.
LANGUAGE: VAX-11 COBOL
SOURCE FILE: TRADIR
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- Will get all except clause information.
Insert the new entity into the database, and the entity's keywords (if not excepted), descriptions(if not excepted), and its alias' (if not excepted).

-
ALLOWED EXECEPTIONS: KEYWORDS, DESCRIPTIONS

ARGUMENTS:

FROM-EC-NO	DSPLY[S9(9)]
TO-MODEL-NO	DSPLY[S9(9)]
TO-EC-NAME	DSPLY[X(30)]

INCLUDE FILES:

LISTNOS
UNIQENO
ERRPRO

ROUTINES CALLED:

CPFONE
GETNNUM
INSEC
INSECNM
WRTECKW
WRTDESC
UERROR
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: TRAFIL
PURPOSE: PROCESS AN INTRA-FILE COPY ENTITY COMMAND.
LANGUAGE: VAX-11 COBOL
SOURCE FILE: TRAFIL
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- IT WILL GET ALL THE EXCEPT CLAUSE INFORMATION
(ALIAS, KEYWORD, DESCRIPTION, ATTRIBUTE), GENERATE ON A FILE:
CREATE ENTITY COMMANDS (ITS KEYWORDS, ALIASES, AND DESCRIPTIONS
UNLESS EXCEPTED), CREATE ATTRIBUTE COMMANDS FOR ALL THE
ENTITY'S
OWNED ATTRIBUTES (UNLESS ATTRIBUTES EXCEPTED), ALL THE ATTRI-
BUTES KEYWORDS, ALIASES, AND DESCRIPTIONS (UNLESS EXCEPTED),
AND ALTER ENTITY ADD OWNED ATTRIBUTE (UNLESS ATTRIBUTES
EXCEPTED).

-
ALLOWED EXCEPTIONS: DESCRIPTIONS, ALIASES, KEYWORDS, ATTRIBUTES

ARGUMENTS:

TO-MODEL-NO	DSPLY[S9(9)]
TO-EC-NAME	DSPLY[X(30)]
FROM-EC-NO	DSPLY[S9(9)]
CUR-MOD-NAME	DSPLY[X(30)]
FROM-MOD-NO	DSPLY[S9(9)]

INCLUDE FILES:

LISTNOS
ERRPRO

ROUTINES CALLED:

NFLOPEN
CPFONE
ADDPARM
COPEKW
GENDESC
COPVALI
COPOA
NFLCLOS
UERROR
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: TRMDDL
PURPOSE: TERMINATE USE OF NDML AND NTM
LANGUAGE: VAX-11 COBOL
SOURCE FILE: TRMDDL
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- THIS MODULE WILL BE USED TO SIGNAL END OF ANY
NDML COMMAND PROCESSING. IT WILL SEND A SPECIAL
CALL TO THE DRS, SO THAT IT CAN NOTIFY EACH
ACTIVE RP TO DO A CLOSE AND TERMINATE ITS
PROCESSING. WHEN THE DRS RETURNS AFTER EACH RP IS
DONE, NTM SERVICE TRMNAT WILL BE CALLED TO STOP THE
RUN. NOTE, THE USER WILL NOT NEED TO USE TRMNAT.
MODIFICATION HISTORY:- R. E. STEWART 8/20/87----------
CLONE MADE FOR NDDL CALLED TRMDDL. CHANGE EXIT PROGRAM
TO STOP RUN.

ARGUMENTS:

TERMINATION-STATUS DSPLY[X]

INCLUDE FILES:

CHKCDM
ERRCDM
ERRPRO

ROUTINES CALLED:

CDS01
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: UPD1PSB
PURPOSE: NDML STATEMENT TO MODIFY A PSB NAME IN THE PSB TABLE
LANGUAGE: VAX-11 COBOL
SOURCE FILE: UPD1PSB
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- PRODUCES A MODIFY NDML STATEMENT TO
CHANGE A PSB NAME IN THE PSB TABLE

ARGUMENTS:

PSB-NAME	DSPLY[X(8)]
NEW-HOST-ID	DSPLY[X(30)]
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

ERRCDM
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: UPDAUCS
PURPOSE: PROGRAM NAME UPDAUCS
LANGUAGE: VAX-11 COBOL
SOURCE FILE: UPDAUCS
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- MODIFY THE AUC VALUE FOR A GIVEN
AUC TO SET MAP.

ARGUMENTS:

DB-ID	DSPLY[S9(9)]
SET-ID	DSPLY[X(30)]
TAG-NO	DSPLY[S9(9)]
NEW-AUC-VALUE	DSPLY[X(30)]
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

ERRCDM
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: UPDDT
PURPOSE: CONTROL MODULE FOR RENAMING A DATA TYPE
LANGUAGE: VAX-11 COBOL
SOURCE FILE: UPDDT
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

THIS ROUTINE IS THE CONTROLLING MODULE
FOR RENAMING A DATA TYPE. CALLS ARE MADE TO UPDATE C ROUTINES
TO MODIFY THE HOST ID IN 4 CDM TABLES:
DATA_ITEM
USER_DEF_DATA_TYPE
DATA_FIELD
MODULE_PARAMETER

ARGUMENTS:

NEW-ID	DSPLY[X(30)]
OLD-ID	DSPLY[X(30)]
NDDL-STATUS	DSPLY[S9(9)]

ROUTINES CALLED:

UPDDDI
UPDEDF
UPDUDT
UPDMP
UERROR

DOCGROUP PS41100 Module Documentation

NAME: UPDDTI
PURPOSE: CONTROL MODULE FOR RENAMING A DATA ITEM
LANGUAGE: VAX-11 COBOL
SOURCE FILE: UPDDTI
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

THIS ROUTINE IS THE CONTROLLING MODULE
FOR RENAMING A DATA ITEM. CALLS ARE MADE TO UPDATE C ROUTINES
TO MODIFY THE DI ID IN 2 CDM TABLES:
DATA_ITEM
PROJECT_DATA_ITEM

ARGUMENTS:

NEW-ID	DSPLY[X(30)]
OLD-ID	DSPLY[X(30)]
VIEW-NO	DSPLY[S9(9)]
NDDL-STATUS	DSPLY[S9(9)]

ROUTINES CALLED:

UPDDI
UERROR

DOCGROUP PS41100 Module Documentation

NAME: UPDFLD
PURPOSE: CONTROL MODULE FOR RENAMING A DATA FIELD
LANGUAGE: VAX-11 COBOL
SOURCE FILE: UPDFLD
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

THIS ROUTINE IS THE CONTROLLING MODULE
FOR RENAMING A FIELD. CALLS ARE MADE TO UPDATE C ROUTINES
TO MODIFY THE DF_ID IN 4 CDM TABLES:
DATA_FIELD
DF_USED_AS_SET_LINKAGE
PROJECT_DATA_FIELD
ECRTUD

ARGUMENTS:

NEW-ID	DSPLY[X(30)]
OLD-ID	DSPLY[X(30)]
RT-ID	DSPLY[X(30)]
DB-ID	DSPLY[S9(9)]
NDDL-STATUS	DSPLY[S9(9)]

ROUTINES CALLED:

UPDFDF
UPDFDFU
UPDFPDF
UERROR

DOCGROUP PS41100 Module Documentation

NAME: UPDHOST
PURPOSE: CONTROL MODULE FOR RENAMING A HOST
LANGUAGE: VAX-11 COBOL
SOURCE FILE: UPDHOST
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

THIS ROUTINE IS THE CONTROLLING MODULE
FOR RENAMING A HOST. CALLS ARE MADE TO UPDATE C ROUTINES
TO MODIFY THE HOST ID IN 5 CDM TABLES:
HOST, DATA_BASE, DBMS_ON_HOST, AND PSB.

ARGUMENTS:

NEW-ID	DSPLY[X(30)]
OLD-ID	DSPLY[X(30)]
NDDL-STATUS	DSPLY[S9(9)]

ROUTINES CALLED:

UPDHST
UPDDB
UPDDBH
UPDPSB
UERROR

DOCGROUP PS41100 Module Documentation

NAME: UPDIND
PURPOSE: UPDATE THE DATA TYPE INDICATOR OF THE
USER_DEF_DATA_TYPE TABLE
LANGUAGE: VAX-11 COBOL
SOURCE FILE: UPDIND
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

-UPDATE THE DATA TYPE INDICATOR
OF THE USER_DEF_DATA_TYPE TABLE

ARGUMENTS:

DATA-TYPE-IND	DSPLY[X(4)]
DATA-TYPE-NAME	DSPLY[X(30)]
NDDL-STATUS	DSPLY[S9(9)]

INCLUDE FILES:

SRVRET
ERRCDM
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: UPDREC
PURPOSE: CONTROL MODULE FOR RENAMING A RECORD TYPE
LANGUAGE: VAX-11 COBOL
SOURCE FILE: UPDREC
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

THIS ROUTINE IS THE CONTROLLING MODULE
FOR RENAMING A RECORD TYPE. CALLS ARE MADE TO UPDATE C ROUTINES
TO MODIFY THE RT ID IN 11 CDM TABLES: RECORD_TYPE,
DATA_FIELD, RECORD_SET, DB_AREA_ASSIGNMENT, SET_TYPE_MEMEBER,
RC_BASED_REC_SET, DF_USED_AS_SET_LINKAGE, DATA_FIELD_FILLER,
AUC_IS_MAPPING, PROJECT_DATA_FIELD, AND ECRTUD.

modified: may 16,1988
AUC_IS_MAPPING contains rt_no, not rt_id.
Do not update.

ARGUMENTS:

NEW-ID	DSPLY[X(30)]
OLD-ID	DSPLY[X(30)]
DB-ID	DSPLY[S9(9)]
NDDL-STATUS	DSPLY[S9(9)]

ROUTINES CALLED:

UPDRT
UPDDF
UPDRRS
UPDDAA
UPDRSTM
UPDRRCB
UPDRDFU
UPDPDF
UERROR

DOCGROUP PS41100 Module Documentation

NAME: UPDRULE
PURPOSE: MODIFIES THE DISTRIBUTED RULES FOR AN ENTITY
LANGUAGE: VAX-11 COBOL
SOURCE FILE: UPDRULE
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

ARGUMENTS:

EC-NO	DSPLY[S9(9)]
UPDATE-RULE	DSPLY[X(8)]
RETRIEVAL-RULE	DSPLY[X(8)]
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

ERRCDM
CHKCDM
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: UPDSET
PURPOSE: CONTROL MODULE FOR RENAMING A SET
LANGUAGE: VAX-11 COBOL
SOURCE FILE: UPDSET
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

FOR RENAMING A SET. CALLS ARE MADE TO UPDATE C ROUTINES
TO MODIFY THE SET ID IN 5 CDM TABLES: RECORD_SET,
RC_BASED_REC_SET, SET_TYPE_MEMBER, DF_USED_AS_SET_LINKAGE,
AUC_ST_MAPPING

ARGUMENTS:

NEW-ID	DSPLY[X(30)]
OLD-ID	DSPLY[X(30)]
DB-ID	DSPLY[S9(9)]
NDDL-STATUS	DSPLY[S9(9)]

ROUTINES CALLED:

UPDRSS
UPDRCB
UPDSTM
UPDDFU
UPDAUC
UERROR

DOCGROUP PS41100 Module Documentation

NAME: UPDSMOD
PURPOSE: UPDATE LANGUAGE NAME AND REVISION DATE ON
SOFTWARE_MODULE
LANGUAGE: VAX-11 COBOL
SOURCE FILE: UPDSMOD
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- MODIFY THE LANG_NAME AND LATEST_REV_DATE
ON THE SOFTWARE_MODULE TABLE

ARGUMENTS:

MOD-ID	DSPLY[X(10)]
LANG-NAME	DSPLY[X(10)]
LATEST-REV-DATE	DSPLY[X(9)]
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

ERRCDM
SRVRET
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: UPDTDT
PURPOSE: UPDATE META-DATA FIELDS OF USER_DEF_DATA_TYPE TABLE
LANGUAGE: VAX-11 COBOL
SOURCE FILE: UPDTDT
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

-UPDATE THE TYPE-ID, MAX-SIZE, NO-OF-DEC
OF THE USER_DEF_DATA_TYPE TABLE

ARGUMENTS:

TYPE-ID	DSPLY[X]
MAX-SIZE	DSPLY[S9(9)]
NO-OF-DEC	DSPLY[S9(9)]
DATA-TYPE-NAME	DSPLY[X(30)]
NDDL-STATUS	DSPLY[S9(9)]

INCLUDE FILES:

SRVRET
ERRCDM
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: VALDROP
PURPOSE: VERIFIES THE PARTITION EXISTS, THEN DROPS PARTITION
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VALDROP
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

THE DATA BASE AND RECORD TYPE ARE VERIFIED, THE PARTITION IS VERIFIED, THEN PARTITION RECORD IS DROPPED.

VERIFY THAT DATA BASE AND RECORD TYPE EXISTS ON CDM, VERIFY THAT THE PARTITION TO BE DROPPED EXISTS, THEN DROP THE PARTITION FOR AS MANY DATA BASE RECORD TYPES AS ENTERED BY USER.

ARGUMENTS:

EC-NO	DSPLY[S9(9)]
HP-NO	DSPLY[S9(9)]
DB-NAME	DSPLY[X(30)]
RT-ID	DSPLY[X(30)]
COUNTER	DSPLY[S9(9)]
NDDL-STATUS	DSPLY[S9(9)]

INCLUDE FILES:

ERRCDM
LISTNOS
ERRPRO

ROUTINES CALLED:

VERDBRT
UERROR
VERPART
DELHPN
CPFNXT
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: VALDTN
PURPOSE: VALIDATES "TO" AND "FROM" DATA TYPES
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VALDTN
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- TWO DATA TYPES ARE VALIDATED WHEN
ES-CS AND CS-IS MAPPINGS ARE DEFINED.
THE PAIR OF TYPE, SIZE AND ND ARE
COMPARED AND ERROR AND WARNING MESSAGES
ARE ISSUED WHEN TRUNCATION, ACCURACY OR
PRECISION ARE LOST.

This program is called once from algdtn and twice from
chkdom and mapadf. In chkdom, the first time called, the
from type is 'es' and the to type is 'cs'; the second time
the from type is 'cs' and the to type is 'es'. In mapadf
the first call's from type is 'cs' and the to type is 'is';
the second call the from type is 'is' and the to type is 'cs'.
THE DATATYPES SUPPORTED ARE:
Conceptual: C or V - Character, Char, Varchar
N - Unsigned
S - Signed
D - Decimal/Dec
M - Numeric
External: All the Conceptual, and in addition:
I - Integer/Int
F - Float
P - Packed
R - Real
A - Smallint
O - Double Precision
Internal: C or V - Character, Char, Varchar
added 12/18/89 H - Signed Overpunch (Codasyl)

ARGUMENTS:

FROM-DTN DSPLY[X(30)]
TO-DTN DSPLY[X(30)]
ERROR-CODE DSPLY[S9(9)]

INCLUDE FILES:

ERRCDM
ERRPRO

ROUTINES CALLED:

VERDTYP
UERROR
ERRPRO
UWARN

DOCGROUP PS41100 Module Documentation

NAME: VALROJ
PURPOSE: VALIDATE A RECORD OUTER JOIN MAPPING FOR A GIVEN
RECORD
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VALROJ
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

ARGUMENTS:

RT-NO	DSPLY[S9(9)]
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

ERRCDM
SDLIST
ERRPRO

ROUTINES CALLED:

UERROR
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: VALVERF
PURPOSE: EDIT VALUES PASSED TO THIS ROUTINE
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VALVERF
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

ARGUMENTS:

DOM-VALUE	DSPLY[X(30)]
TYPE-ID	DSPLY[X]
MAX-SIZE	DSPLY[S9(9)]
NO-OF-DEC	DSPLY[S9(9)]
NDDL-STATUS	DSPLY[S9(9)]

DOCGROUP PS41100 Module Documentation

NAME: VALVWRC
PURPOSE: VALIDATE JOIN CONDITIONS
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VALVWRC
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- THIS ROUTINE WILL VALIDATE THAT THE JOIN CONDITIONS ARE SPECIFIED BETWEEN RELATED ENTITIES USING AT LEAST ONE KEY CLASS FROM THE INDEPENDENT ENTITY.

MODIFIED: 26-APR-89
TO HANDLE BOTH CATEGORY AND LINK RELATIONS.

ARGUMENTS:

VIEW-FROM-LIST	RECRD
CS-QUAL-CRITERIA-LIST	RECRD
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

ERRCDM
SRVRET
SDLIST
VWFROM
CSQCLST
ERRPRO

ROUTINES CALLED:

CDP4A
SELECNM
UERROR
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: VERACDT
PURPOSE: DETERMINE ANY ASSOCIATIONS OF A DATA TYPE WITH
ATTRIBUTE CLASSES
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VERACDT
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

DETERMINES IF A DATA TYPE IS CURRENTLY ASSOCIATED
WITH ANY ATTRIBUTE CLASSES

ARGUMENTS:

DOM-NO	DSPLY[S9(9)]
USAGE-COUNT	DSPLY[S9(9)]

INCLUDE FILES:

SRVRET
ERRPRO

ROUTINES CALLED:

UWARN
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: VERACNM
PURPOSE: RETRIEVE THE DOMAIN FOR AN ATTRIBUTE CLASS
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VERACNM
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

-

This routine will verify the existence of an attribute in a model and return the attribute number and its associated domain name and number.

ARGUMENTS:

MODEL-NO	DSPLY[S9(9)]
AC-NAME	DSPLY[X(30)]
AC-NO	DSPLY[S9(9)]
DOM-NO	DSPLY[S9(9)]
DOMAIN-NAME	DSPLY[X(30)]

INCLUDE FILES:

SRVRET
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: VERAIM
PURPOSE: VERIFY IF A RECORD HAS BEEN MAPPED
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VERAIM
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

-

VERIFY FROM AUC_IS_MAPPING IF THE RECORD
HAS BEEN MAPPED TO A TAG.
IF THERE EXISTS A MAPPING, RETURN A VALUE
OF 1 IN FOUND-FLAG.

ARGUMENTS:

RT-NO	DSPLY[S9(9)]
FOUND-FLAG	DSPLY[S9(9)]
RETURN-STATUS	DSPLY[S9(9)]

INCLUDE FILES:

ERRCDM
SRVRET
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: VERAIMD
PURPOSE: VERIFY IF OBJECTS OF A DATABASE HAVE BEEN MAPPED
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VERAIMD
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

-

VERIFY FROM AUC_IS_MAPPING IF THE DATABASE
(RECORDS,SETS,FIELDS) HAVE BEEN MAPPED TO A TAG.
IF THERE EXISTS A MAPPING, RETURN A VALUE
OF 1 IN FOUND-FLAG.

ARGUMENTS:

DB-ID	DSPLY[S9(9)]
FOUND-FLAG	DSPLY[X]
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

ERRCDM
SRVRET
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: VERAIMR
PURPOSE: VERIFY IF AMPPING EXISTS FOR TAG, PREF, DB, AND RT
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VERAIMR
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- VERIFY AN AUC MAPPING IN THE CDM
GIVEN A TAG NMBR, PREFERENCE, DB, RT

ARGUMENTS:

TAG-NO	DSPLY[S9(9)]
EC-NO	DSPLY[S9(9)]
RT-NO	DSPLY[S9(9)]
FOUND	DSPLY[S9(9)]
PREF-NO	DSPLY[S9(9)]
MAP-TYPE	DSPLY[X(10)]

INCLUDE FILES:

ERRCDM
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: VERAISM
PURPOSE: PROGRAM NAME VERAISM
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VERAISM
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- VERIFY AN AUC MAPPING IN THE CDM
GIVEN A TAG NMBR AND PREFERENCE.

ARGUMENTS:

TAG-NO	DSPLY[S9(9)]
PREF-NO	DSPLY[S9(9)]
MAP-TYPE	DSPLY[X(10)]
AISM-COUNT	DSPLY[S9(9)]
FOUND	DSPLY[9]

INCLUDE FILES:

ERRCDM
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: VERALG
PURPOSE: VERIFY EXISTENCE OF A COMPLEX MAPPING ALGORITHM
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VERALG
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

-

VERIFY THAT AN ALGORITHM EXISTS GIVEN THE MODULE
ID, MODULE INSTANCE AND THE RETRIEVE-UPDATE FLAG.
IF THE MODULE IS DEFINE FOR USE AS AN ALGORITHM
IN AUC_PARM, THEN CALL VERAISM TO VERIFY THAT AN ALGORITHM
FOR THAT PREFERENCE NUMBER EXISTS. IF IT DOES, RETURN
FOUND-FLAG = 1.
MODIFIED 11/19/87 TO DETERMINE IF THE ALGORITHM IS FOR
A CS/ES. IF THIS IS THE CASE THEN THERE IS NO NEEED TO CHECK
TO SEE IF THE CORRECT PREFERENCE NUMBER HAS BEEN ENTERED.

ARGUMENTS:

MOD-ID	DSPLY[X(10)]
RETR-UPD	DSPLY[X]
MOD-INSTANCE	DSPLY[S9(9)]
PREF-NO	DSPLY[S9(9)]
FOUND	DSPLY[9]
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

ERRCDM
SRVRET
ERRPRO

ROUTINES CALLED:

VERAISM
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: VERALGI
PURPOSE: VERIFY THE EXISTENCE OF A COMPLEX MAPPING ALGORITHM
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VERALGI
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

-

VERIFY THAT AN ALGORITHM EXISTS GIVEN THE MODULE
ID, MODULE INSTANCE AND THE RETRIEVE-UPDATE FLAG.
IF THE MODULE IS DEFINE FOR USE AS AN ALGORITHM
IN AUC_PARM, RETURN FOUND-FLAG = 1.

ARGUMENTS:

MOD-ID	DSPLY[X(10)]
RETR-UPD	DSPLY[X]
MOD-INSTANCE	DSPLY[S9(9)]
FOUND	DSPLY[9]
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

ERRCDM
SRVRET
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: VERALI
PURPOSE: VERIFY THE EXISTENCE OF AN ALIAS NAME FOR AN ENTITY
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VERALI
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

-

THIS ROUTINE WILL VERIFY THE EXISTANCE OF
AN ALIAS FOR AN ENTITY.

ARGUMENTS:

FROM-EC-NAME	DSPLY[X(30)]
TO-EC-NO	DSPLY[S9(9)]
FOUND	DSPLY[S9(9)]

INCLUDE FILES:

SRVRET
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: VERALMP
PURPOSE: VERIFY THE ALGORITHM HAS BEEN RESERVED THRU A MAPPING
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VERALMP
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

-

ARGUMENTS:

TAG-NO	DSPLY[S9(9)]
EC-NO	DSPLY[S9(9)]
RT-NO	DSPLY[S9(9)]
PREF-NUMB	DSPLY[S9(9)]
MAP-TYPE	DSPLY[X(10)]
FOUND	DSPLY[9]
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

ERRCDM
SRVRET
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: VERAODM
PURPOSE: CHECK TO SEE IF ENTITY OWNS AN ATTRIBUTE AND RETRIEVE
THE
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VERAODM
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

-

This routine will verify the existence of an
attribute in a model and its entity owner.
Returning the attribute number and its associated domain
number and tag number.

ARGUMENTS:

MODEL-NO	DSPLY[S9(9)]
EC-NO	DSPLY[S9(9)]
AC-NAME	DSPLY[X(30)]
AC-NO	DSPLY[S9(9)]
DOM-NO	DSPLY[S9(9)]
TAG-NO	DSPLY[S9(9)]
RTN-STATUS	DSPLY[X(5)]

INCLUDE FILES:

SRVRET
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: VERAPDF
PURPOSE: SELECT COUNT OF DATA FIELDS MAPPED TO A TAG
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VERAPDF
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

-

ARGUMENTS:

PREF-NO	DSPLY[S9(9)]
TAG-NO	DSPLY[S9(9)]
AISM-COUNT	DSPLY[S9(9)]
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

ERRCDM
SRVRET
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: VERAPRM
PURPOSE: RETRIEVE ALL META DATA FROM MODULE_PARAMETER GIVEN
MODULE
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VERAPRM
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- SELECT PARM_ID, PARM_PURPOSE AND
DATA_TYPE_NAME FROM MODULE_PARAMETER
TABLE GIVEN MODULE NAME (MOD_ID) AND
PARAMETER NAME (PARM_NAME)

ARGUMENTS:

MOD-ID	DSPLY[X(10)]
PARM-NAME	DSPLY[X(30)]
PARM-ID	DSPLY[S9(9)]
PARM-PURPOSE	DSPLY[X(60)]
DATA-TYPE-NAME	DSPLY[X(30)]
FOUND	DSPLY[S9(9)]
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

ERRCDM
SRVRET
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: VERAREA
PURPOSE: VERIFY THE EXISTENCE OF AN AREA FOR A DATA BASE
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VERAREA
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

THIS ROUTINE VERIFIES THE EXISTANCE OF AN AREA
FOR A DATABASE

ARGUMENTS:

DB-ID	DSPLY[S9(9)]
FILE-NAME	DSPLY[X(30)]
FOUND-STATUS	DSPLY[S9(9)]

INCLUDE FILES:

SRVRET
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: VERARL
PURPOSE: NDML COMMAND TO RETURN COUNT OF AREAS ASSOC. WITH A
DATABASE
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VERARL
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

-

PRODUCES AN NDML COMMAND TO SELECT THE NUMBER OF AREAS
ASSOCIATED WITH A DATA BASE. USED TO INFORM CALLING
ROUTINE THAT AN ATTEMPT MAY HAVE BEEN MADE TO DELETE
THE LAST AREA (OR TOTAL FILE) ASSOCIATED WITH A DATA BASE.
RETRIVE AREA NAME BASED ON THE DATA ABSE ID AND
INCREMENT THE COUNT.

ARGUMENTS:

DB-ID	DSPLY[S9(9)]
AREA-NAME	DSPLY[X(30)]
AREA-COUNT	DSPLY[S9(9)]

INCLUDE FILES:

ERRCDM
SRVRET
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: VERATAG
PURPOSE: VERIFY THE EXISTENCE OF A TAG NAME
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VERATAG
SOURCE FILE TYPE: PCO
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- THIS PROGRAM WILL VERIFY THE EXISTENC OF A TAG NAME FOR A GIVEN ENTITY IN ATTRIBUTE USE CLASS.

- SELECT THE PROPER TAG NUMBER AND ATTRIBUTE CLASS NUMBER FROM ATTRIBUTE USE CLASS GIVEN THE ENTITY CLASS NUMBER AND TAG NAME.

ARGUMENTS:

EC-NO	DSPLY[S9(9)]
TAG-NAME	DSPLY[X(30)]
TAG-NO	DSPLY[S9(9)]
AC-NO	DSPLY[S9(9)]
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

ERRCDM
EOD
ERRPRO

ROUTINES CALLED:

SQLSCA
SQLBS1
SQLSCH
SQLSCC
SQLTFL
SQLOPN
SQLOSQ
SQLADR
SQLAB1
SQLEXE
SQLAD1
SQLFCH
UERROR
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: VERATT
PURPOSE: VERIFY THE EXISTENCE OF AN ATTRIBUTE CLASS IN A MODEL
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VERATT
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

-

This routine will check the existence of an attribute
in a model and return the attribute number.

ARGUMENTS:

MODEL-NO	DSPLY[S9(9)]
AC-NAME	DSPLY[X(30)]
AC-NO	DSPLY[S9(9)]
AC-NAME-TYPE	DSPLY[X(8)]

INCLUDE FILES:

SRVRET
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: VERATTP
PURPOSE: VERIFY THE EXISTENCE OF A PRIMARY ATTRIBUTE CLASS IN A MODEL
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VERATTP
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

-

This routine will check the existence of a primary attribute in a model and return the attribute number.

ARGUMENTS:

MODEL-NO	DSPLY[S9(9)]
AC-NAME	DSPLY[X(30)]
AC-NO	DSPLY[S9(9)]

INCLUDE FILES:

SRVRET
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: VERAUC
PURPOSE: VERIFY THE EXISTENCE OF AN ATTRIBUTE USE CLASS
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VERAUC
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

-

This routine will verify the existence of an attribute use class for an entity returning its tag-no.

ARGUMENTS:

EC-NO	DSPLY[S9(9)]
TAG-NAME	DSPLY[X(30)]
TAG-NO	DSPLY[S9(9)]
AC-NO	DSPLY[S9(9)]

INCLUDE FILES:

SRVRET
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: VERCMSV
PURPOSE: verify the existence of a CATEGORY MEMBER SPECIFIC
VALUE
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VERCMSV
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

-

This routine will verify the existence of a category member specific
value and return the category entity number

ARGUMENTS:

RC-NO	DSPLY[S9(9)]
SPECIFIC-VALUE	DSPLY[X(30)]
CAT-EC-NO	DSPLY[S9(9)]
RTN-STATUS	DSPLY[S9(9)]

INCLUDE FILES:

SRVRET
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: VERCMU
PURPOSE: verify the existence of a CATEGORY MEMBER
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VERCMU
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

-

This routine will verify the existence of a category member
and return the specific value

ARGUMENTS:

RC-NO	DSPLY[S9(9)]
CAT-EC-NO	DSPLY[S9(9)]
SPECIFIC-VALUE	DSPLY[X(30)]
RTN-STATUS	DSPLY[S9(9)]

INCLUDE FILES:

SRVRET
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: VERCR
PURPOSE: VERIFY THE EXISTENCE OF A CATEGORY RELATION
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VERCR
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

-

This routine will verify the existence of a category relation and return the relation class number.

ARGUMENTS:

MODEL-NO	DSPLY[S9(9)]
GEN-EC-NO	DSPLY[S9(9)]
RC-NAME	DSPLY[X(30)]
RC-NO	DSPLY[S9(9)]
RTN-STATUS	DSPLY[X(5)]

INCLUDE FILES:

SRVRET
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: VERCRC
PURPOSE: DETERMINE IF A KEY CLASS IS PART OF A COMPLETE
RELATION
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VERCRC
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

-

This routine will determine if a key class is part of
a complete relation.

ARGUMENTS:

KC-NO DSPLY[S9(9)]
RC-NO DSPLY[S9(9)]

INCLUDE FILES:

SRVRET
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: VERCRDA
PURPOSE: verify the existence of a CATEGORY DISCRIMINATING
ATTRIBUTE
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VERCRDA
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

-

This routine will verify the existence of a category discriminating
attribute and return the category RELATION number

ARGUMENTS:

GEN-EC-NO	DSPLY[S9(9)]
DISCRIM-TAG-NO	DSPLY[S9(9)]
RC-NO	DSPLY[S9(9)]
RTN-STATUS	DSPLY[S9(9)]

INCLUDE FILES:

SRVRET
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: VERCRNM
PURPOSE: VERIFY EXISTANCE OF A CATEGORY RELATION IN A MODEL
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VERCRNM
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

THIS ROUTINE VERIFIES THE EXISTANCE OF A RELATION GIVEN THE ENTITY NAMES RELATION NAME AND MODEL.

ARGUMENTS:

TO-MOD-NO	DSPLY[S9(9)]
GEN-EC-NAME	DSPLY[X(30)]
RC-NAME	DSPLY[X(30)]
RC-NO	DSPLY[S9(9)]

INCLUDE FILES:

SRVRET
ERRPRO

ROUTINES CALLED:

VERENT
VERCR
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: VERCRTC
PURPOSE: SELECT A CATEGORY RELATION TYPE CODE
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VERCRTC
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

-

This routine will select the category_type_code for a specific category relation.

ARGUMENTS:

RC-NO	DSPLY[S9(9)]
EC-NO	DSPLY[S9(9)]
CAT-TYPE-CODE	DSPLY[X(10)]
RTN-STATUS	DSPLY[S9(9)]

INCLUDE FILES:

SRVRET
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: VERDB
PURPOSE: VERIFY THE EXISTENCE OF A DATA BASE IN THE CDM
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VERDB
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

-

This routine verifies the existence of a database.

ARGUMENTS:

DB-NAME	DSPLY[X(30)]
DB-ID	DSPLY[S9(9)]

INCLUDE FILES:

SRVRET
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: VERDBA
PURPOSE: SELECT ALL AREAS FOR A DB AND GENERATE AREAS OR FILES
CLAUSE FOR CPY
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VERDBA
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

-

ARGUMENTS:

DB-ID DSPLY[S9(9)]
DBMS-NAME DSPLY[X(30)]

INCLUDE FILES:

ERRCDM
SRVRET
ERRPRO

ROUTINES CALLED:

ADDPARM
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: VERDBAA
PURPOSE: RETRIEVE COUNT OF RECORD TYPE ASSOCIATIONS
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VERDBAA
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

-
RETRIEVE COUNT OF RECORD TYPE ASSOCIATIONS
FROM DB_AREA_ASSIGMENT FOR A GIVEN
RECORD TYPE

ARGUMENTS:

DB-ID	DSPLY[S9(9)]
TMP-RTID	DSPLY[X(30)]
FOUND	DSPLY[S9(9)]
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

ERRCDM
SRVRET
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: VERDBAL
PURPOSE: NDML COMMAND TO VERIFY EXISTENCE OF A DATABASE
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VERDBAL
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

-

PROCEDURE TO VERIFY THAT A PARTICULAR DATABASE EXISTS.
BASED ON DATABASE NAME, RETRIEVES DATABASE ID, HOST ID,
DBMS NAME, NULL VALUE, AND NTM DIRECTORY.
RETRIEVE THE DB ID, HOST ID, DBMS NAME, NULL VALUE,
NTM DIRECTORY FROM THE DATA BASE CDM TABLE BASED ON
THE DB NAME. INCREMENT AND RETURN COUNT AND ALL VARIABLES.

ARGUMENTS:

DB-NAME	DSPLY[X(30)]
DB-ID	DSPLY[S9(9)]
HOST-ID	DSPLY[X(30)]
DBMS-NAME	DSPLY[X(30)]
CHA-NULL-VALUE	DSPLY[X(30)]
INT-NULL-VALUE	DSPLY[X(30)]
NTM-DIR	DSPLY[XX]
DB-COUNT	DSPLY[S9(9)]
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

ERRCDM
SRVRET
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: VERDBAS
PURPOSE: VERIFY A DATA BASE FOR A GIVEN NAME AND HOST
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VERDBAS
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

THIS ROUTINE VERIFIES THE EXISTANCE OF A DATABASE, GIVEN THE NAME AND HOST. IT RETURNS THE DATABASE ID AND THE DBMS NAME.

ARGUMENTS:

DB-NAME	DSPLY[X(30)]
HOST-ID	DSPLY[X(30)]
DB-ID	DSPLY[S9(9)]
DBMS-NAME	DSPLY[X(30)]
FOUND-STATUS	DSPLY[S9(9)]

INCLUDE FILES:

SRVRET
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: VERDBH
PURPOSE:
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VERDBH
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- PRODUCES A SELECT NDML STATEMENT TO DETERMINE IF THE DBMS / HOST ASSOCIATION EXISTS ON THE DBMS_ON_HOST TABLE.

ARGUMENTS:

HOST-ID	DSPLY[X(30)]
DBMS-NAME	DSPLY[X(30)]
DBH-COUNT	DSPLY[S9(9)]
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

ERRCDM
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: VERDBMS
PURPOSE: PRODUCES NDML STATEMENT TO DETERMINE IF DBMS EXISTS
ON THE DBMS TABL
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VERDBMS
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- PRODUCES AN SELECT NDML STATEMENT TO
DETERMINE IF THE DBMS EXISTS ON THE
DBMS TABLE.

ARGUMENTS:

DBMS-NAME	DSPLY[X(30)]
DBMS-COUNT	DSPLY[S9(9)]
DB-MODEL-TYPE	DSPLY[X]
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

ERRCDM
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: VERDBRL
PURPOSE: VERIFY IF OBJECTS OF A DATABASE HAVE BEEN MAPPED
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VERDBRL
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

-

VERIFY FROM RC_BASED_REC_SET IF THE DATABASE
(SETS) HAVE BEEN MAPPED TO A RELATION.
IF THERE EXISTS A MAPPING, RETURN A VALUE
OF 1 IN FOUND-FLAG.

ARGUMENTS:

DB-ID	DSPLY[S9(9)]
FOUND-FLAG	DSPLY[X]
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

ERRCDM
SRVRET
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: VERDBRT
PURPOSE: RETRIEVE RECORD TYPE NUMBER GIVEN DATA BASE AND
RECORD NAME
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VERDBRT
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- SELECT RECORD TYPE NUMBER (RT_NO) FROM RECORD TYPE TABLE
GIVEN THE DATA BASE NAME (DB_NAME) AND RECORD NAME (RT_ID

ARGUMENTS:

DB-NAME	DSPLY[X(30)]
RT-ID	DSPLY[X(30)]
RT-NO	DSPLY[S9(9)]
FOUND	DSPLY[S9(9)]
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

SRVRET
ERRCDM
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: VERDBST
PURPOSE: VERIFY THE EXISTENCE OF A SET FOR A DATABASE
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VERDBST
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- SELECT THE OWNER NAME, TOTAL NUMBER OF MEMBERS
AND SET NUMBER OF A SET NAME FOR A SPECIFIED
DATA BASE.

ARGUMENTS:

DB-ID	DSPLY[S9(9)]
SET-NAME	DSPLY[X(30)]
RT-OWNER	DSPLY[X(30)]
TOT-MEMB	DSPLY[S9(9)]
SET-NO	DSPLY[S9(9)]
FOUND	DSPLY[S9(9)]
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

ERRCDM
SRVRET
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: VERDF
PURPOSE: VERIFY THE EXISTENCE OF A DATA FIELD
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VERDF
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

-

This routine will check the existence of a data field.

ARGUMENTS:

DB-NAME	DSPLY[X(30)]
RT-ID	DSPLY[X(30)]
DF-ID	DSPLY[X(30)]
DB-ID	DSPLY[S9(9)]

INCLUDE FILES:

SRVRET
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: VERDFDT
PURPOSE: DETERMINE ANY ASSOCIATIONS OF A DATA TYPE WITH A
PROJECT DF
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VERDFDT
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

DETERMINES IF A DATA TYPE IS CURRENTLY ASSOCIATED WITH ANY ELEMENTARY DATA FIELDS

ARGUMENTS:

DATA-TYPE-NAME	DSPLY[X(30)]
USAGE-COUNT	DSPLY[S9(9)]

INCLUDE FILES:

SRVRET
ERRPRO

ROUTINES CALLED:

UWARN
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: VERDFID
PURPOSE: NDML COMMAND TO VERIFY THE EXISTENCE OF A DATA FIELD
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VERDFID
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- SELECT DATA FIELD NUMBER (DF_NO) FROM THE DATA_FIELD TABLE GIVEN THE DATA FIELD ID (DF_ID)

- SELECT THE DF_NO FROM THE DATA_FIELD TABLE WHERE THE DF_ID EQUALS THE USER-PROVIDED DF_ID.

ARGUMENTS:

DB-NAME	DSPLY[X(30)]
RT-ID	DSPLY[X(30)]
DF-ID	DSPLY[X(30)]
DF-NO	DSPLY[S9(9)]
DB-ID	DSPLY[S9(9)]

INCLUDE FILES:

SRVRET
ERRCDM
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: VERDFLD
PURPOSE: VERIFIES THE EXISTENCE OF A DATA FIELD FOR A GIVEN
DATA BASE
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VERDFLD
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

THIS ROUTINE VERIFIES THE EXISTENCE OF A DATA FIELD AND
RETURNS THE DATA FIELD NUMBER (DF-NO).

ARGUMENTS:

DB-ID	DSPLY[S9(9)]
RT-ID	DSPLY[X(30)]
DF-ID	DSPLY[X(30)]
DF-NO	DSPLY[S9(9)]
FOUND-STATUS	DSPLY[S9(9)]

INCLUDE FILES:

SRVRET
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: VERDFPA
PURPOSE: VERIFY IF THE DATA FIELD IS MAPPED
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VERDFPA
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

-

CHECK IF THE FIELD HAS A ALGORITHM MAPPING.
IF A MAPPING IS FOUND IN DF_PARM
RETURN A VALUE OF 1 IN FOUND-FLAG.

ARGUMENTS:

DF-NO	DSPLY[S9(9)]
FOUND	DSPLY[S9(9)]
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

ERRCDM
SRVRET
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: VERDFUS
PURPOSE: VERIFY THAT A DATA FIELD IS USED BY A SOFTWARE_MODULE
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VERDFUS
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

-

ARGUMENTS:

DF-NO	DSPLY[S9(9)]
FOUND	DSPLY[S9(9)]
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

ERRCDM
SRVRET
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: VERDI
PURPOSE: VERIFY TEH EXISTENCE OF A DATA ITEM IN A GIVEN VIEW
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VERDI
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

-

This routine will verify the existence of a data item.

ARGUMENTS:

VIEW-NAME	DSPLY[X(30)]
DI-ID	DSPLY[X(30)]
VIEW-NO	DSPLY[S9(9)]
DATA-ITEM-NO	DSPLY[S9(9)]

INCLUDE FILES:

SRVRET
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: VERDIDN
PURPOSE: VERIFY THE EXISTENCE OF A DATA ITEM IN A GIVEN VIEW
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VERDIDN
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

-

This routine will verify the existence of a data item.
it also returns the data type name.

ARGUMENTS:

VIEW-NAME	DSPLY[X(30)]
DI-ID	DSPLY[X(30)]
VIEW-NO	DSPLY[S9(9)]
DATA-ITEM-NO	DSPLY[S9(9)]
OBJ-DATA-TYPE	DSPLY[X(30)]
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

SRVRET
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: VERDIDT
PURPOSE: DETERMINE IF A DATA TYPE IS ASSOCIATED WITH ANY DATA ITEMS
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VERDIDT
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

DETERMINES IF A DATA TYPE IS CURRENTLY ASSOCIATED WITH ANY DATA ITEMS.

ARGUMENTS:

DATA-TYPE-NAME	DSPLY[X(30)]
USAGE-COUNT	DSPLY[S9(9)]

INCLUDE FILES:

SRVRET
ERRPRO

ROUTINES CALLED:

UWARN
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: VERDIID
PURPOSE: NDML COMMAND TO VERIFY THE EXISTENCE OF A DATA ITEM
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VERDIID
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- SELECT DATA ITEM NUMBER (DI_NO) FROM THE DATA_ITEM TABLE GIVEN THE DATA ITEM ID (DI_ID)

- SELECT THE DI_NO FROM THE DATA_ITEM TABLE WHERE THE DI_ID EQUALS THE USER-PROVIDED DI_ID.

ARGUMENTS:

VIEW-NAME	DSPLY[X(30)]
DI-ID	DSPLY[X(30)]
DI-NO	DSPLY[S9(9)]
VIEW-NO	DSPLY[S9(9)]

INCLUDE FILES:

SRVRET
ERRCDM
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: VERDIPA
PURPOSE: VERIFY IF THE DATA ITEM IS MAPPED
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VERDIPA
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

-

CHECK IF THE DATAITEM HAS A ALGORITHM MAPPING.
IF A MAPPING IS FOUND IN DI_PARM
RETURN A VALUE OF 1 IN FOUND-FLAG.

ARGUMENTS:

DI-NO	DSPLY[S9(9)]
FOUND	DSPLY[S9(9)]
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

ERRCDM
SRVRET
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: VERDOM
PURPOSE: VERIFY THE EXISTENCE OF A DOMAIN CLASS IN THE CDM
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VERDOM
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

-

This routine verifies the existence of a
domain class.

ARGUMENTS:

DOMAIN-NAME	DSPLY[X(30)]
DOM-NO	DSPLY[S9(9)]

INCLUDE FILES:

SRVRET
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: VERDPSB
PURPOSE: VERIFIES THE EXISTANCE OF A PROGRAM STATUS BLOCK FOR
AN IMS DATABASE
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VERDPSB
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

THIS ROUTINE VERIFIES THE EXISTANCE OF A PROGRAM STATUS BLOCK FOR AN IMS DATABASE.

ARGUMENTS:

PSB-NAME	DSPLY[X(8)]
FOUND-STATUS	DSPLY[S9(9)]

INCLUDE FILES:

SRVRET
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: VERDSCT
PURPOSE: VERIFY WHETHER A DESCRIPTION TYPE ALREADY EXISTS
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VERDSCT
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

YPE ALREADY EXISTS

DESCRIPTION :- PRODUCES NDML STATEMENT TO DETERMINE
WHETHER A DESCRIPTION TYPE ALREADY EXISTS.
YPE ALREADY EXISTS.
YPE A
WHERE A.DESC_TYPE = :DESC-TYPE
(

ARGUMENTS:

DESC-TYPE	DSPLY[X(30)]
DESC-FOUND	DSPLY[S9(9)]
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

ERRCDM
SRVRET
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: VERDSL3
PURPOSE: RETRIEVES SET ID FOR TOTAL DATA BASE
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VERDSL3
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

THIS ROUTINE RETRIEVES THE SET ID FROM THE DATA FIELD SET
LINKAGE - USED IF THE DBMS IS "TOTAL" .

ARGUMENTS:

DB-ID	DSPLY[S9(9)]
RT-ID	DSPLY[X(30)]
DF-ID	DSPLY[X(30)]
SET-ID	DSPLY[X(30)]
SET-NO	DSPLY[S9(9)]
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

SRVRET
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: VERDSTP
PURPOSE: VALIDATE A USER ENTERED DESCRIPTION TYPE
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VERDSTP
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

-

This routine will check that a description type is valid.
YPE A
WHERE A.DESC_TYPE = : DESC-TYPE
(

ARGUMENTS:

DESC-TYPE DSPLY[X(30)]
FOUND DSPLY[S9(9)]

INCLUDE FILES:

SRVRET
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: VERDT
PURPOSE: VERIFY THE EXISTENCE OF A USER DEFINED DATA TYPE
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VERDT
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

-

This routine will verify that a data type name exists.

ARGUMENTS:

DATA-TYPE-NAME	DSPLY[X(30)]
FOUND	DSPLY[S9(9)]

INCLUDE FILES:

SRVRET
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: VERDTD
PURPOSE: VERIFY THE EXISTENCE OF A DATA TYPE IN A GIVEN DOMAIN
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VERDTD
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

-

This routine will verify the existence of a data type and determine if it is a standard or user defined.

ARGUMENTS:

DOM-NO	DSPLY[S9(9)]
DATA-TYPE-NAME	DSPLY[X(30)]
STD-USER	DSPLY[X(4)]
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

SRVRET
ERRCDM
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: VERDTFL
PURPOSE: VERIFIES THE EXISTENCE OF A DATA FIELD
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VERDTFL
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

THIS ROUTINE VERIFIES THE EXISTENCE OF A DATA FIELD GIVEN
A DATA BASE NAME, RECORD TYPE AND DATA FIELD NAME.
IT CALLS ANOTHER ROUTINE TO RETRIEVE THE
DATA TYPE NAME OF THE ELEMENTARY DF.

ARGUMENTS:

DB-NAME	DSPLY[X(30)]
RT-ID	DSPLY[X(30)]
DF-ID	DSPLY[X(30)]
RT-NO	DSPLY[S9(9)]
DF-NO	DSPLY[S9(9)]
OBJ-DATA-TYPE	DSPLY[X(30)]
DBMS-ACCESS	DSPLY[X]
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

SRVRET
ERRCDM
ERRPRO

ROUTINES CALLED:

GETDTN
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: VERDTN
PURPOSE: NDML COMMAND TO VERIFY THE EXISTENCE OF A DATA TYPE NAME
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VERDTN
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- SELECT DATA TYPE NUMBER (USDF_DT_NO) FROM THE USER_DEF_DATA_TYPE TABLE GIVEN THE DATA_TYPE_NAME

- SELECT THE USDF_DT_NO FROM THE USER_DEF_DATA_TYPE TABLE WHERE THE DATA_TYPE_NAME EQUALS THE USER-PROVIDED DATA TYPE NAME

ARGUMENTS:

DATA-TYPE-NAME	DSPLY[X(30)]
USDF-DT-NO	DSPLY[S9(9)]

INCLUDE FILES:

SRVRET
ERRCDM
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: VERDTYP
PURPOSE: RETRIEVE TYPE ID,MAXIMUM SIZE AND NUMBER DECIMALS
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VERDTYP
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

DETERMINES TYPE ID, MAXIMUM SIZE AND NUMBER
OF DECIMALS GIVEN THE DATA-TYPE-NAME.

ARGUMENTS:

DATA-TYPE-NAME	DSPLY[X(30)]
TYPE-ID	DSPLY[X]
MAX-SIZE	DSPLY[S9(9)]
NO-OF-DECIMALS	DSPLY[S9(9)]
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

SRVRET
ERRCDM
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: VERDUNI
PURPOSE: VERIFY IF OBJECTS OF A DATABASE HAVE BEEN MAPPED
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VERDUNI
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

-
VERIFY FROM ECRTUD IF THE DATABASE
RECORDS HAVE BEEN UNIONED
IF THERE EXISTS A MAPPING, RETURN A VALUE
OF 1 IN FOUND-FLAG.

ARGUMENTS:

DB-ID	DSPLY[S9(9)]
FOUND-FLAG	DSPLY[X]
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

ERRCDM
SRVRET
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: VERECN
PURPOSE: RETRIEVE ALL INFORMATION FOR A GIVEN ENTITY NAME.
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VERECN
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

-
SELECT ALL META DATA FIELDS FROM
ENTITY_NAME FOR A GIVEN EC_NAME.

ARGUMENTS:

EC-NAME	DSPLY[X(30)]
EC-NO	DSPLY[S9(9)]
EC-NAME-TYPE	DSPLY[X(8)]
FOUND	DSPLY[S9(9)]
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

ERRCDM
SRVRET
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: VERECR
PURPOSE: NDML TO VERIFY AN EC_NO IN THE ECRTUD TABLE FOR DROP
ENTITY
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VERECR
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

-

ARGUMENTS:

EC-NO DSPLY[S9(9)]
NDDL-STATUS DSPLY[S9(9)]

INCLUDE FILES:

ERRCDM
SRVRET
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: VERECRT
PURPOSE: VERIFIES IF AN ENTITY TO RECORD MAPPING EXISTS IN THE CDM
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VERECRT
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

ARGUMENTS:

EC-NO	DSPLY[S9(9)]
RT-NO	DSPLY[S9(9)]
FOUND-STATUS	DSPLY[X]
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

ERRCDM
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: VERENT
PURPOSE: VERIFY THE EXISTENCE OF AN ENTITY CLASS IN A MODEL
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VERENT
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

This routine will verify the existence of an entity class in a model and return the entity number.

ARGUMENTS:

EC-NAME	DSPLY[X(30)]
MODEL-NO	DSPLY[S9(9)]
EC-NO	DSPLY[S9(9)]

INCLUDE FILES:

SRVRET
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: VERENTP
PURPOSE: VERIFY THE EXISTENCE OF A PRIMARY ENTITY CLASS IN A MODEL
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VERENTP
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

-

This routine will verify the existence of a primary entity class in a model and return the entity number.

ARGUMENTS:

EC-NAME	DSPLY[X(30)]
MODEL-NO	DSPLY[S9(9)]
EC-NO	DSPLY[S9(9)]

INCLUDE FILES:

SRVRET
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: VERERMD
PURPOSE: VERIFY IF OBJECTS OF A DATABASE HAVE BEEN MAPPED
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VERERMD
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

-
VERIFY FROM EC_RT_MAPPING IF THE DATABASE
(RECORDS) HAVE BEEN MAPPED TO AN ENTITY
IF THERE EXISTS A MAPPING, RETURN A VALUE
OF 1 IN FOUND-FLAG.

ARGUMENTS:

DB-ID	DSPLY[S9(9)]
FOUND-FLAG	DSPLY[X]
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

ERRCDM
SRVRET
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: VERFJOB
PURPOSE: CREATE A PROCEDURE TO COMPILE ALL GENERATED CODE
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VERFJOB
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

-

ARGUMENTS:

VERIF-FILE-NAME	DSPLY[X(80)]
LANG-NAME	DSPLY[X(10)]
COMP-PROC-FILE	DSPLY[X(80)]
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

ERRCDM
SBSTLST
ERRFS
ERRPRO

ROUTINES CALLED:

GETHOST
GENFIL
OPNFIL
CLSFIL
ERRPRO
CDMACR

DOCGROUP PS41100 Module Documentation

NAME: VERHORZ
PURPOSE: VERIFY IF A RECORD HAS BEEN MAPPED
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VERHORZ
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

-

VERIFY FROM HORIZONTAL_PART IF THE RECORD
PARTICIPATES IN A HORIZONTAL PARTITION.
IF THERE EXISTS A MAPPING, RETURN A VALUE
OF 1 IN FOUND-FLAG.

ARGUMENTS:

RT-NO	DSPLY[S9(9)]
FOUND-FLAG	DSPLY[S9(9)]
RETURN-STATUS	DSPLY[S9(9)]

INCLUDE FILES:

ERRCDM
SRVRET
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: VERHPDF
PURPOSE: VALIDATE A GIVEN PARTITION RECORD NAME IN THE CDM
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VERHPDF
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

THIS ROUTINE VERIFIES THAT A GIVEN DB NO/RECRD NAME
EXISTS IN THE HORIZONTAL_PART TABLE.

ARGUMENTS:

EC-NO	DSPLY[S9(9)]
DB-NO	DSPLY[S9(9)]
REC-NAME	DSPLY[X(30)]
RT-NO	DSPLY[S9(9)]
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

ERRCDM
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: VERHPN
PURPOSE: RETRIEVE RECORD TYPE NUMBER FOR A GIVEN EC NO. & HP NO.
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VERHPN
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- SELECT RECORD TYPE NUMBER FROM HORIZONTAL_PART FOR A GIVEN ENTITY NUMBER AND PARTITION NUMBER.

ARGUMENTS:

EC-NO	DSPLY[S9(9)]
HP-NO	DSPLY[S9(9)]
RT-NO	DSPLY[S9(9)]
FOUND	DSPLY[S9(9)]
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

ERRCDM
SRVRET
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: VERHPST
PURPOSE: VALIDATE A GIVEN PARTITION RECORD NAME IN THE CDM
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VERHPST
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

THIS ROUTINE VERIFIES THAT A GIVEN DB NO/SET NAME
EXISTS IN THE HORIZONTAL_PART TABLE.

ARGUMENTS:

EC-NO	DSPLY[S9(9)]
DB-NO	DSPLY[S9(9)]
SET-NAME	DSPLY[X(30)]
RT-NO	DSPLY[S9(9)]
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

ERRCDM
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: VERHST
PURPOSE: PRODUCES NDML STATEMENT TO DETERMINE IF HOST EXISTS
ON HOST TABLE.
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VERHST
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- PRODUCES AN SELECT NDML STATEMENT TO
DETERMINE IF THE HOST EXISTS ON THE
HOST TABLE. A HOST NUMBER IS RETURNED
TO THE CALLING PROGRAM IF THE HOST IS
SUCCESSFULLY SELECTED.

ARGUMENTS:

HOST-ID	DSPLY[X(30)]
HOST-NO	DSPLY[S9(9)]

INCLUDE FILES:

ERRCDM
LISTNOS
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: VERHZP
PURPOSE: VERIFY THAT A GIVEN ENTITY CLASS NO EXISTS IN THE CDM
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VERHZP
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

THIS ROUTINE VERIFIES THAT A GIVEN ENTITY_CLASS_NO
EXISTS IN THE HORIZONTAL_PART TABLE.

ARGUMENTS:

EC-NO	DSPLY[S9(9)]
FOUND	DSPLY[9]
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

ERRCDM
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: VERIREL
PURPOSE: DETERMINE IF A RELATION CLASS IS COMPLETE.
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VERIREL
SOURCE FILE TYPE: PCO
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- DETERMINE IF THE RELATION CLASS SPECIFIED
IS COMPLETE. I.E. HAS A KEY BEEN MIGRATED.

ARGUMENTS:

RC-NO	DSPLY[S9(9)]
KC-NO	DSPLY[S9(9)]
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

ERRCDM
EOD
ERRPRO

ROUTINES CALLED:

SQLSCA
SQLBS1
SQLSCH
SQLSCC
SQLTOC
SQLOSQ
SQLADR
SQLAB1
SQLEXE
SQLAD1
SQLFCH
SQLCLS
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: VERITAG
PURPOSE: VERIFY IF A TAG IS INHERITED VIA SOME RELATIONSHIP.
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VERITAG
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

-

ARGUMENTS:

TAG-NO	DSPLY[S9(9)]
FOUND	DSPLY[S9(9)]

INCLUDE FILES:

ERRCDM
SRVRET
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: VERKC
PURPOSE: VERIFY THE EXISTENCE OF A KEY CLASS IN A MODEL
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VERKC
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

-

This routine will verify the existence of a key class for an entity class and return the unique number assigned to the key class.

ARGUMENTS:

EC-NO	DSPLY[S9(9)]
KC-NAME	DSPLY[X(30)]
KC-NO	DSPLY[S9(9)]

INCLUDE FILES:

SRVRET
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: VERKCM
PURPOSE: DETERMINE IF AN ATTRIBUTE IS MEMBER IN ANY KEY
CLASSES.
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VERKCM
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- DETERMINE IF AN ATTRIUBTE IS MEMBER IN ANY
KEY CLASS.

ARGUMENTS:

TAG-NO	DSPLY[S9(9)]
ANY-KC-NO	DSPLY[S9(9)]
KC-COUNT	DSPLY[S9(9)]
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

ERRCDM
SRVRET
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: VERKCMG
PURPOSE: VERIFY A TAG NAME IS THE MEMBER OF A GIVEN KEY CLASS
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VERKCMG
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- THIS ROUTINE WILL VERIFY THAT A TAG NAME
IS A MEMBER OF THE KEY CLASS WHEN GIVEN THE KEY CLASS
AND TAG-NAME. A FLAG WILL BE SET IF FOUND.

ARGUMENTS:

TAG-NAME	DSPLY[X(30)]
KC-NO	DSPLY[S9(9)]
KC-FOUND	DSPLY[X]
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

ERRCDM
SRVRET
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: VERKCT
PURPOSE: VERIFY THE EXISTENCE OF A KEY CLASS TYPE IN A MODEL
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VERKCT
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

-

This routine will verify the existence of a key class TYPE for an entity class and return the unique number assigned to the key class.

ARGUMENTS:

EC-NO	DSPLY[S9(9)]
KC-TYPE	DSPLY[X(10)]
KC-NAME	DSPLY[X(30)]
KC-NO	DSPLY[S9(9)]
RTN-STATUS	DSPLY[S9(9)]

INCLUDE FILES:

SRVRET
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: VERKCT1
PURPOSE: VERIFY THE EXISTENCE OF A KEY CLASS TYPE IN A MODEL
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VERKCT1
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

-

This routine will verify the existence of a key
class for an KEY CLASS number
and return the key class type assigned to the key class.

ARGUMENTS:

KC-NO	DSPLY[S9(9)]
KC-TYPE	DSPLY[X(10)]
RTN-STATUS	DSPLY[S9(9)]

INCLUDE FILES:

SRVRET
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: VERKW
PURPOSE: verify the existence of a keyword.
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VERKW
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

-

This routine will verify the existence of a keyword.

ARGUMENTS:

KEYWORD	DSPLY[X(30)]
KW-NO	DSPLY[S9(9)]

INCLUDE FILES:

SRVRET
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: VERKWE
PURPOSE: VERIFY THE EXISTENCE OF ENTITY CLASS KEYWORD
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VERKWE
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

ARGUMENTS:

EC-KW	DSPLY[X(30)]
TO-EC-NO	DSPLY[S9(9)]
KW-NO	DSPLY[S9(9)]

INCLUDE FILES:

SRVRET
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: VERKWR
PURPOSE: VERIFIES THE EXISTANCE OF A RELATION CLASS KEYWORD.
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VERKWR
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

THIS ROUTINE VERIFIES THE EXISTANCE OF A RELATION CLASS KEYWORD IN THE TO-MODEL.

ARGUMENTS:

RC-KW	DSPLY[X(30)]
TO-RC-NO	DSPLY[S9(9)]
KW-NO	DSPLY[S9(9)]

INCLUDE FILES:

SRVRET
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: VERLR
PURPOSE: VERIFY THE EXISTENCE OF A LINK RELATION
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VERLR
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

-

This routine will verify the existence of a link relation
and return the relation class number and
maximum number of dependent entities for the relation.

ARGUMENTS:

IND-EC-NO	DSPLY[S9(9)]
DEP-EC-NO	DSPLY[S9(9)]
RC-NAME	DSPLY[X(30)]
RC-NO	DSPLY[S9(9)]
MAX-NO-DEP-ENT	DSPLY[S9(9)]
RTN-STATUS	DSPLY[X(5)]

INCLUDE FILES:

SRVRET
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: VERLUW
PURPOSE: VERIFY A LOGICAL UNIT OF WORK BY NDML COUNT
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VERLUW
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- SELECT ALL INFORMATION FROM LOG_UNIT_WORK
TABLE GIVEN LUW NAME (LUW_NAME)

ARGUMENTS:

LUW-NAME	DSPLY[X(30)]
FOUND	DSPLY[S9(9)]
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

ERRCDM
SRVRET
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: VERMAPD
PURPOSE: VERIFY IF A DATAFIELD CAN BE MAPPED TO
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VERMAPD
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- FIND OUT WHETHER
1) THE DATAFIELD REPEATS
2) THE DATAFIELD HAS COMPONENTS
IF BOTH CONDITIONS ARE TRUE, THE DATAFIELD
SHOULD NOT BE MAPPED TO. SET THE CAN-MAP-FLAG
TO "N".

ARGUMENTS:

DF-ID	DSPLY[X(30)]
CAN-MAP-FLAG	DSPLY[X]
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

ERRCDM
SRVRET
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: VERMOD
PURPOSE: verify the existence of a model and return the unique number.
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VERMOD
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

-

This routine will verify the existence of a model and return the unique number assigned to the model class.

ARGUMENTS:

MODEL-NAME	DSPLY[X(30)]
MODEL-NO	DSPLY[S9(9)]

INCLUDE FILES:

SRVRET
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: VERMPDF
PURPOSE: VERIFY IF THE DATA FIELD IS MAPPED
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VERMPDF
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

-

CHECK IF THE FIELD HAS A CS-IS MAPPING.
IF A MAPPING IS FOUND IN PROJECT_DATA_FIELD
RETURN A VALUE OF 1 IN FOUND-FLAG.

ARGUMENTS:

DB-ID	DSPLY[S9(9)]
RT-ID	DSPLY[X(30)]
DF-ID	DSPLY[X(30)]
FOUND	DSPLY[S9(9)]
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

ERRCDM
SRVRET
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: VERMPDT
PURPOSE: DETERMINE ASSOCIATIONS OF DATA TYPE WITH MOD
PARAMETER
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VERMPDT
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- Determine if a data type is currenly associated
with a verification module and its associated parameters.

ARGUMENTS:

DATA-TYPE-NAME	DSPLY[X(30)]
USAGE-COUNT	DSPLY[S9(9)]
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

ERRCDM
SRVRET
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: VERMUNI
PURPOSE: VERIFY IF THE DATA FIELD IS MAPPED
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VERMUNI
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

-

CHECK IF THE FIELD HAS A UNION MAPPING.
IF A MAPPING IS FOUND IN ECRTUD
RETURN A VALUE OF 1 IN FOUND-FLAG.

ARGUMENTS:

DF-NO	DSPLY[S9(9)]
FOUND	DSPLY[S9(9)]
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

ERRCDM
SRVRET
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: VERNMA
PURPOSE: verify the existence of an attribute class in a model.
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VERNMA
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

-

This routine will verify the existence of an attribute class in a model and return the attribute number for either a primary name or an alias name.

ARGUMENTS:

AC-NAME	DSPLY[X(30)]
MODEL-NO	DSPLY[S9(9)]
AC-NAME-TYPE	DSPLY[X(8)]
AC-NO	DSPLY[S9(9)]

INCLUDE FILES:

SRVRET
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: VERNME
PURPOSE: verify the existence of an entity class in a model.
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VERNME
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

-

This routine will verify the existence of an entity class in a model and return the entity number for either a primary name or an alias name.

ARGUMENTS:

EC-NAME	DSPLY[X(30)]
MODEL-NO	DSPLY[S9(9)]
EC-NAME-TYPE	DSPLY[X(8)]
EC-NO	DSPLY[S9(9)]

INCLUDE FILES:

SRVRET
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: VEROAC
PURPOSE: verify the existence of an owned attribute class for
an entity.
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VEROAC
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

-

This routine will verify the existence of an owned attribute class for an entity returning its entity-class--no.

ARGUMENTS:

AC-NO DSPLY[S9(9)]
EC-NO DSPLY[S9(9)]

INCLUDE FILES:

SRVRET
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: VERPARM
PURPOSE: RETRIEVE PARAMETERS FOR A MODULE NAME.
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VERPARM
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

SELECT PARAMETER NAME (PARM_NAME),
PARAMETER NUMBER (PARM_ID) AND DATA-TYPE-NAME
FROM MODULE_PARAMETER AND POPULATE TABLE
FOR A GIVEN MODULE NAME (MOD_ID)

ARGUMENTS:

CMP-TABLE	RECRD
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

ERRCDM
SRVRET
ALGTBL
ERRPRO

ROUTINES CALLED:

UERROR
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: VERPART
PURPOSE: RETRIEVE PARTITION NUMBER FOR A GIVEN EC NO. & RT NO.
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VERPART
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- SELECT HORIZONTAL PARTITION NUMBER FROM HORIZONTAL_PART FOR A GIVEN ENTITY NUMBER AND RECORD TYPE NUMBER.

ARGUMENTS:

EC-NO	DSPLY[S9(9)]
RT-NO	DSPLY[S9(9)]
HP-NO	DSPLY[S9(9)]
FOUND	DSPLY[S9(9)]
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

ERRCDM
SRVRET
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: VERPASS
PURPOSE: SELECT DB PASSWORD INFORMATION FOR THE INPUT DATABASE
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VERPASS
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

-

ARGUMENTS:

DB-ID	DSPLY[S9(9)]
DB-PASS	DSPLY[X(30)]

INCLUDE FILES:

ERRCDM
SRVRET
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: VERPCB
PURPOSE: SELECT ALL PSB INFO FROM PSB_PCB FOR A DATABASE
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VERPCB
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

-

ARGUMENTS:

DB-ID	DSPLY[S9(9)]
PSB-NAME	DSPLY[X(30)]
PSB-SEQ-NO	DSPLY[S9(9)]
KEY-FB-LEN	DSPLY[S9(9)]

INCLUDE FILES:

ERRCDM
SRVRET
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: VERPSB
PURPOSE: VERIFIES THE EXISTANCE OF A PROGRAM STATUS BLOCK FOR
AN IMS DATABASE
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VERPSB
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

THIS ROUTINE VERIFIES THE EXISTANCE OF A PROGRAM STATUS BLOCK FOR AN IMS DATABASE.

ARGUMENTS:

PSB-NAME	DSPLY[X(8)]
NDDL-COUNT	DSPLY[S9(9)]
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

ERRCDM
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: VERRCB
PURPOSE: NDML TO VERIFY AN RC_NO IN RC_BASED_REC_SET FOR DROP
COMMANDS
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VERRCB
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

-

ARGUMENTS:

RC-NO DSPLY[S9(9)]
NDDL-STATUS DSPLY[S9(9)]

INCLUDE FILES:

ERRCDM
SRVRET
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: VERRCBS
PURPOSE: verify if there are any mapping to a set found in
RC_BASED_REC_SET.
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VERRCBS
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

-

This routine will verify if there are any mapping
to a set found in RC_BASED_REC_SET.

ARGUMENTS:

DB-ID	DSPLY[S9(9)]
SET-ID	DSPLY[X(30)]
FOUND	DSPLY[S9(9)]

INCLUDE FILES:

SRVRET
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: VERRCC
PURPOSE: verify if the relation class is complete.
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VERRCC
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

-

This routine will verify if the relation class is complete.

ARGUMENTS:

RC-NO	DSPLY[S9(9)]
RETURN-STATUS	DSPLY[S9(9)]
KC-NO	DSPLY[S9(9)]

INCLUDE FILES:

SRVRET
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: VERRCMP
PURPOSE: verify whether a member has been mapped to a relation class.
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VERRCMP
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

-

This routine will verify whether a member has been mapped to a relation class.

ARGUMENTS:

DB-ID	DSPLY[S9(9)]
SET-ID	DSPLY[X(30)]
MEMBER-ID	DSPLY[X(30)]
FOUND	DSPLY[S9(9)]

INCLUDE FILES:

SRVRET
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: VERRCNM
PURPOSE: VERIFY EXISTANCE OF A RELATION IN A MODEL
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VERRCNM
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

THIS ROUTINE VERIFIES THE EXISTANCE OF A RELATION GIVEN THE ENTITY NAMES RELATION NAME AND MODEL.

ARGUMENTS:

TO-MOD-NO	DSPLY[S9(9)]
IND-EC-NAME	DSPLY[X(30)]
DEP-EC-NAME	DSPLY[X(30)]
RC-NAME	DSPLY[X(30)]
RC-NO	DSPLY[S9(9)]

INCLUDE FILES:

SRVRET
ERRPRO

ROUTINES CALLED:

VERENT
VERLR
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: VERRCST
PURPOSE: REPORT WHETHER A RC TO SET MAP EXISTS.
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VERRCST
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

-

THIS ROUTINE WILL REPORT WHETHER A RC TO SET MAP EXISTS.

ARGUMENTS:

RC-NO	DSPLY[S9(9)]
FOUND	DSPLY[S9(9)]

INCLUDE FILES:

SRVRET
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: VERRCT
PURPOSE: verify the existence of a relation class.
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VERRCT
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

-

This routine will verify the existence of a relation class and return the relation class type.

ARGUMENTS:

RC-NO	DSPLY[S9(9)]
RC-TYPE	DSPLY[X(10)]
RTN-STATUS	DSPLY[S9(9)]

INCLUDE FILES:

SRVRET
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: VERREC
PURPOSE: check the existence of a data base record type.
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VERREC
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

-

This routine will check the existence of a data
base record type.

ARGUMENTS:

DB-NAME	DSPLY[X(30)]
RT-ID	DSPLY[X(30)]
DB-ID	DSPLY[S9(9)]

INCLUDE FILES:

SRVRET
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: VERRNG
PURPOSE: RETRIEVE A DOMAIN RANGE FROM THE DB
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VERRNG
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

-
RETRIEVE A DOMAIN RANGE FROM THE DB

ARGUMENTS:

DOM-NO	DSPLY[S9(9)]
DOM-RANGE	RECRD
ERR-CNTR	DSPLY[S9(9)]
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

ERRCDM
SRVRET
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: VERROJ
PURPOSE: VERIFY A RECORD OUTER JOIN MAPPING EXISTS IN THE CDM
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VERROJ
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

ARGUMENTS:

RC-NO	DSPLY[S9(9)]
EC-NO	DSPLY[S9(9)]
RT-NO	DSPLY[S9(9)]
JOIN-TYPE	DSPLY[X(10)]
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

ERRCDM
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: VERROJR
PURPOSE: VERIFY A RECORD OUTER JOIN MAPPING EXISTS IN THE CDM
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VERROJR
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

ARGUMENTS:

RT-NO	DSPLY[S9(9)]
RC-NO	DSPLY[S9(9)]
EC-NO	DSPLY[S9(9)]
JOIN-TYPE	DSPLY[X(10)]
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

ERRCDM
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: VERRPS
PURPOSE: VERIFY IF THERE ARE APPLI WRITTEN AGAINST A SPEC DB
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VERRPS
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

ARGUMENTS:

DB-ID	DSPLY[S9(9)]
APPL-FLAG	DSPLY[X]
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

ERRCDM
SRVRET
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: VERRSET
PURPOSE: VERIFIES THE EXISTANCE OF A SET.
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VERRSET
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

THIS ROUTINE VERIFIES THE EXISTANCE OF A SET.

ARGUMENTS:

DB-ID	DSPLY[S9(9)]
SET-ID	DSPLY[X(30)]
SET-NO	DSPLY[S9(9)]
FOUND-STATUS	DSPLY[S9(9)]

INCLUDE FILES:

SRVRET
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: VERRSUS
PURPOSE: VERIFIES THAT A SOFTWARE MODULE USES A RECORD SET
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VERRSUS
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- Verify that a software module uses a record set.

ARGUMENTS:

SET-NO	DSPLY[S9(9)]
FOUND	DSPLY[S9(9)]
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

ERRCDM
SRVRET
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: VERRT
PURPOSE: VERIFIES THE EXISTANCE OF A RECORD TYPE.
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VERRT
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

THIS ROUTINE VERIFIES THE EXISTANCE OF A RECORD TYPE.

ARGUMENTS:

DB-ID	DSPLY[S9(9)]
RT-ID	DSPLY[X(30)]
RT-NO	DSPLY[S9(9)]
FOUND-STATUS	DSPLY[S9(9)]

INCLUDE FILES:

SRVRET
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: VERRTID
PURPOSE: NDML COMMAND TO VERIFY THE EXISTENCE OF A RECORD TYPE
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VERRTID
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- SELECT RECORD TYPE NUMBER (RT_NO) FROM THE RECORD_TYPE TABLE GIVEN THE RECORD TYPE ID (RT_ID)

- SELECT THE RT_NO FROM THE RECORD_TYPE TABLE WHERE THE RT_ID EQUALS THE USER-PROVIDED RT_ID.

ARGUMENTS:

DB-NAME	DSPLY[X(30)]
RT-ID	DSPLY[X(30)]
RT-NO	DSPLY[S9(9)]
DB-ID	DSPLY[S9(9)]

INCLUDE FILES:

SRVRET
ERRCDM
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: VERRTNO
PURPOSE: RETURN THE RECORD AND DATABASE GIVEN THE RECORD-NO
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VERRTNO
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

-

ARGUMENTS:

RT-NO	DSPLY[S9(9)]
DB-ID	DSPLY[S9(9)]
RT-ID	DSPLY[X(30)]
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

ERRCDM
SRVRET
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: VERRULE
PURPOSE: CHECKS IF DISTRIBUTED RULES EXIST FOR AN ENTITY
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VERRULE
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

ARGUMENTS:

EC-NO	DSPLY[S9(9)]
DISTR-UPDT-RULE	DSPLY[X(8)]
DISTR-RETR-RULE	DSPLY[X(8)]
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

ERRCDM
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: VERSCH
PURPOSE: SELECT SCHEMA NAME INFORMATION FROM SCHEMA_NAMES
TABLE FOR A DB
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VERSCH
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

ARGUMENTS:

DB-ID	DSPLY[S9(9)]
SCH-NAME	DSPLY[X(30)]
SS-NAME	DSPLY[X(30)]
DB-LOC	DSPLY[X(30)]

INCLUDE FILES:

ERRCDM
SRVRET
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: VERSDT
PURPOSE: For a given domain number, return its standard data
type name.
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VERSDT
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

-

For a given domain number, this routine will return
its standard data type name.

ARGUMENTS:

DOM-NO	DSPLY[S9(9)]
DATA-TYPE-NAME	DSPLY[X(30)]
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

SRVRET
ERRCDM
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: VERSMOD
PURPOSE: RETRIEVE META DATA FROM SOFTWARE_MODULE GIVEN MODULE
NAME.
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VERSMOD
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- SELECT ALL INFORMATION FROM SOFTWARE_
MODULE TABLE GIVEN MODULE NAME (MOD_ID)

ARGUMENTS:

MOD-ID	DSPLY[X(10)]
LANG-NAME	DSPLY[X(10)]
MOD-TITLE	DSPLY[X(30)]
MOD-ABSTRACT	DSPLY[X(60)]
LATEST-REV-DATE	DSPLY[X(9)]
STATUS-IND	DSPLY[X]
FOUND	DSPLY[S9(9)]
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

ERRCDM
SRVRET
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: VERSMS
PURPOSE: fetch the member count for a given set.
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VERSMS
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

-

This routine will fetch the member count for a given set.

ARGUMENTS:

DB-ID	DSPLY[S9(9)]
SET-ID	DSPLY[X(30)]
TOTAL-NUM-MEM	DSPLY[S9(9)]
RT-ID-OF-OWNER	DSPLY[X(30)]

INCLUDE FILES:

SRVRET
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: VERSTID
PURPOSE: NDML COMMAND TO VERIFY THE EXISTENCE OF A SET
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VERSTID
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- SELECT SET NUMBER (SET_NO) FROM THE RECORD_SET TABLE GIVEN THE SET ID (SET_ID) AND THE DATABASE NAME (DB_NAME)

- SELECT THE SET_NO FROM THE RECORD_SET TABLE WHERE THE SET_ID EQUALS THE USER-PROVIDED SET_ID.

ARGUMENTS:

DB-NAME	DSPLY[X(30)]
SET-ID	DSPLY[X(30)]
SET-NO	DSPLY[S9(9)]
DB-ID	DSPLY[S9(9)]

INCLUDE FILES:

SRVRET
ERRCDM
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: VERTAG
PURPOSE: VERIFY THE EXISTENCE OF AN ATTRIBUTE USE CLASS
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VERTAG
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- VERIFIES THAT A TAG NUMBER EXISTS ON THE
CDM GIVEN A TAG NAME AND AN ENTITY.

MODIFIED 2/19/87 TO QUALIFY ON DATA_TYPE_IND AS WELL FOR
RELEASE 2.25
MODIFIED 11/19/87 TO QUALIFY ON MODEL_NO = 1, THIS ROUTINE
IS USED ONLY BY MAPPING COMMANDS WHICH MUST
HAVE ENITIES FROM THE INTEGRATED_MODEL
(MODEL_NO = 1). WITHOUT THIS QUALIFICATION
THE SELECT WILL RETRIEVE ALL TAGS THAT MATCH
ON NAME REGARDLESS OF MODEL.

ARGUMENTS:

EC-NAME	DSPLY[X(30)]
TAG-NAME	DSPLY[X(30)]
TAG-NO	DSPLY[S9(9)]
OBJ-DATA-TYPE	DSPLY[X(30)]
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

ERRCDM
SRVRET
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: VERTAP
PURPOSE: NDML TO VERIFY THE EXISTENCE OF A TAG IN AUC_PARM
TABLE
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VERTAP
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

-

ARGUMENTS:

TAG-NO DSPLY[S9(9)]
NDDL-STATUS DSPLY[S9(9)]

INCLUDE FILES:

ERRCDM
SRVRET
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: VERTAUC
PURPOSE: NDML TO VERIFY THE EXISTENCE OF A TAG IN
AUC_IS_MAPPING TABLE
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VERTAUC
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

-

ARGUMENTS:

TAG-NO DSPLY[S9(9)]
NDDL-STATUS DSPLY[S9(9)]

INCLUDE FILES:

ERRCDM
SRVRET
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: VERTKCM
PURPOSE: VERIFY IF A TAG IS A MEMBER IN A SPECIFIED KEY
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VERTKCM
SOURCE FILE TYPE: PCO
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- THIS MODULE WILL VERIFY IF THE KEY CLASS EXISTS AND HOW MANY EXISTS FOR THE ENTITY AND IF THE SPECIFIED TAG IS A MEMBER OF THE KEY.

- THIS ROUTINE WILL DETERMINE IF A PARTICULAR TAG IS A MEMBER OF THE SPECIFIED KEY AS WELL AS COUNT THE NUMBER OF KEY CLASS MEMBERS.

ARGUMENTS:

KC-NO	DSPLY[S9(9)]
TAG-NO	DSPLY[S9(9)]
TAG-FOUND	DSPLY[9]
KC-COUNT	DSPLY[99]
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

ERRCDM
CHKCDM
EOD
ERRPRO

ROUTINES CALLED:

SQLSCA
SQLBS1
SQLSCH
SQLSCC
SQLTOC
SQLOSQ
SQLADR
SQLAB1
SQLEXE
UERROR
SQLCLS
SQLAD1
SQLFCH
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: VERTMAP
PURPOSE: COMTROL MODULE TO CHECK TAG MAPPINGS FOR DROP
COMMANDS
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VERTMAP
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- This module calls three routines to check
if mappings exist for a given tag_no. It will
be used to check tag mappings for the following
commands : DROP ENTITY, DROP ATTRIBUTE,
ALTER ENTITY(DROP ATTRIBUTE), DROP RELATION,
DROP MODEL, ALTER RELATION(DROP MIGRATES).

-
Call VERTAP, VERTPDI, VERTAUC to verify the existence
of the given tag-no in three CDM tables: AUC_PARM,
PROJECT_DATA_ITEM, and AUC_IS_MAPPING.

ARGUMENTS:

TAG-NO DSPLY[S9(9)]
FOUND-STATUS DSPLY[S9(9)]

INCLUDE FILES:

ERRPRO

ROUTINES CALLED:

VERTAP
UERROR
VERTPDI
VERVWQU
VERTAUC
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: VERTPDI
PURPOSE: NDML TO VERIFY THE EXISTENCE OF A TAG IN
PROJECT_DATA_ITEM TABLE
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VERTPDI
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

-

ARGUMENTS:

TAG-NO	DSPLY[S9(9)]
NDDL-STATUS	DSPLY[S9(9)]

INCLUDE FILES:

ERRCDM
SRVRET
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: VERTYP
PURPOSE: verifies that a type identification for a data type
is valid.
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VERTYP
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

-

This routine verifies that a type identification
for a data type is valid.

ARGUMENTS:

TYPE-ID	DSPLY[X(1)]
FOUND	DSPLY[S9(9)]
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

SRVRET
ERRCDM
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: VERUDT
PURPOSE: VERIFY DATATYPE OF UNION DISCRIMINATOR
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VERUDT
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

-

ARGUMENTS:

DB-ID	DSPLY[S9(9)]
RT-ID	DSPLY[X(30)]
DF-ID	DSPLY[X(30)]
UNION-VALUE	DSPLY[X(30)]
ERR-STATUS	DSPLY[S9(9)]
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

ERRCDM
SRVRET
ERRPRO

ROUTINES CALLED:

CONVCHR
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: VERUDTN
PURPOSE: verify the existence of a USER DEFINED DATA TYPE
(USERDATATYPE)/USDF
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VERUDTN
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

-

This routine will verify the existence of a
USER DEFINED DATA TYPE (USERDATATYPE)/USDFDT.

ARGUMENTS:

DOMAIN-NO	DSPLY[S9(9)]
DATA-TYPE-NAME	DSPLY[X(30)]
USDF-DT-NO	DSPLY[S9(9)]

INCLUDE FILES:

SRVRET
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: VERUNIN
PURPOSE: RETRIEVE ALL INFORMATION FOR A GIVEN UNION.
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VERUNIN
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- SELECT THE COMPARISON OP FROM THE ECRTUD
TABLE FOR A GIVEN RECORD NUMBER (RT_NO)
ENTITY NUMBER (EC_NO) DATA FIELD NUMBER (DF_NO)
AND UNION_VALUE.

ARGUMENTS:

RT-NO	DSPLY[S9(9)]
EC-NO	DSPLY[S9(9)]
DF-NO	DSPLY[S9(9)]
UNION-VALUE	DSPLY[X(30)]
COMPARISON-OP	DSPLY[XX]
FOUND	DSPLY[S9(9)]
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

ERRCDM
SRVRET
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: VERVAL
PURPOSE: SELECT A GIVEN VALUE OF A DOMAIN FROM THE CDM
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VERVAL
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

-
SELECT A GIVEN VALUE OF A DOMAIN FROM THE DB

ARGUMENTS:

DOM-NO	DSPLY[S9(9)]
DOM-VALUE	DSPLY[X(30)]
ERR-CNTR	DSPLY[S9(9)]
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

ERRCDM
SRVRET
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: VERVIEW
PURPOSE: verify the existence of a view in the system.
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VERVIEW
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

-

This routine will verify the existence of a view in
the system.

ARGUMENTS:

VIEW-NAME	DSPLY[X(30)]
DISTINCT-IND	DSPLY[X]
VIEW-NO	DSPLY[S9(9)]
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

ERRCDM
SRVRET
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: VERVWQU
PURPOSE: VERIFIES THE NONEXISTENCE OF A TAG IN THE
VIEW_QUAL_XREF
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VERVWQU
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- THIS ROUTINE WILL VERIFY THAT A TAG DOES NOT EXIST IN THE CDM TABLE VIEW_QUAL_XREF WHICH HOLDS ES MAPPING INFORMATION.

ARGUMENTS:

TAG-NO	DSPLY[S9(9)]
NDDL-STATUS	DSPLY[S9(9)]

INCLUDE FILES:

ERRCDM
SRVRET
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: VMODPRM
PURPOSE: BUILD PARAMETER LIST FOR VERIFICATION MODULE
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VMODPRM
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

-

ARGUMENTS:

DOM-NO	DSPLY[S9(9)]
CRT-APNAME	DSPLY[X(10)]
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

ERRCDM
ERRPRO

ROUTINES CALLED:

VERSDT
UERROR
INSPARM
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: VOMAPS
PURPOSE: ENFORCES AUC TO SET MAPPING RULES.
LANGUAGE: VAX-11 COBOL
SOURCE FILE: VOMAPS
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

THIS ROUTINE ENFORCES THE FOLLOWING AUC TO SET MAPPING RULES:
1. AN AUC ALWAYS MAPS TO THE SAME DATABASE UNLESS ENTITY IS HP.
2. THE SET OWNERS RECORD TYPES MUST BE IDENTICAL.
IF NO RULES ARE BROKEN, THE RETURN CODE IS 1, OTHERWISE ZERO.

PERFORM AN NDML SELECT TO OBTAIN INFORMATION ON PREVIOUS MAPPINGS FROM THE TAG NUMBER. FOR EACH ROW SELECTED, ENSURE THAT THE ABOVE RULES ARE ENFORCED. IF NOT, GENERATE AN APPROPRIATE ERROR MESSAGE AND RETURN WITH OUT-CODE EQUAL ZERO, OTHERWISE OUT-CODE EQUALS ONE.

ARGUMENTS:

IN-DB-NO	DSPLY[S9(9)]
IN-OWNER-REC-NAME	DSPLY[X(30)]
IN-TAG-NO	DSPLY[S9(9)]
HZ-PART-FLAG	DSPLY[X]
IN-PREF-NO	DSPLY[S9(9)]
OUT-CODE	DSPLY[S9(9)]

INCLUDE FILES:

ERRCDM
ERRPRO

ROUTINES CALLED:

UERROR
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: WRDSFL
PURPOSE: PROGRAM NAME WRDSFL
LANGUAGE: VAX-11 COBOL
SOURCE FILE: WRDSFL
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- WRDSFL WRITES DESCRIPTION INFORMATION
FROM THE CDM ONTO A FILE.

-

ARGUMENTS:

OBJECT-TYPE DSPLY[X(30)]

INCLUDE FILES:

ERRCDM
ERRPRO

ROUTINES CALLED:

GETHOST
GENFIL
OUTDESC
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: WRTACKW
PURPOSE: RETREIVE AND WRITE ALL THE KEYWORDS ASSOCIATD WITH AN
ATTRIBUTE CLAS
LANGUAGE: VAX-11 COBOL
SOURCE FILE: WRTACKW
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

WRTACKW WILL RETREIVE ALL THE KEYWORDS ASSOCIATD
WITH AN ATTRIBUTE CLASS AND COPY THEM TO A NEW
ATTRIBUTE CLASS (ONE THAT WAS JUST COPIED).

ARGUMENTS:

OLD-AC-NO	DSPLY[S9(9)]
NEW-AC-NO	DSPLY[S9(9)]

INCLUDE FILES:

SRVRET
ERRPRO

ROUTINES CALLED:

INSKWAC
UERROR
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: WRTALG
PURPOSE: GENERATE A DEFINE ALGORITHM CMD FOR A DATA ITEM NAME
LANGUAGE: VAX-11 COBOL
SOURCE FILE: WRTALG
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- CALLED FROM GENALG, THIS ROUTINE WILL
GENERATE A 'DEFINE ALGORITHM' COMMAND FOR
EACH DATA ITEM INCLUDED IN A GIVEN VIEW

ARGUMENTS:

MOD-ID	DSPLY[X(10)]
ALG-USE-CODE	DSPLY[X]
MOD-INST	DSPLY[S99]
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

ERRCDM
ADDPARM
ERRPRO

ROUTINES CALLED:

ADDPARM
GTDIPR
UERROR
GTAUCPR
GTCNTPR
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: WRTALI
PURPOSE: RETRIEVE ALL ALIAS NAMES OF AN ATTRIBUTE CLASS.
LANGUAGE: VAX-11 COBOL
SOURCE FILE: WRTALI
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

THIS ROUTINE WILL RETRIEVE ALL ALIAS NAMES OF AN ATTRIBUTE CLASS AND COPY THEM TO A NEW ATTRIBUTE CLASS (ONE THAT WAS JUST COPIED).

ARGUMENTS:

MODEL-NO	DSPLY[S9(9)]
OLD-AC-NO	DSPLY[S9(9)]
NEW-AC-NO	DSPLY[S9(9)]

INCLUDE FILES:

SRVRET
ERRPRO

ROUTINES CALLED:

VERATT
INSACNM
UERROR
UWARN
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: WRTANAM
PURPOSE: RETRIEVE AND COPY ALL THE NAMES (PRIMARY AND ALIAS)
OF AN ATTRIBUTE.
LANGUAGE: VAX-11 COBOL
SOURCE FILE: WRTANAM
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

WRTANAM WILL RETRIEVE ALL THE NAMES (PRIMARY AND ALIAS) OF AN ATTRIBUTE CLASS AND COPY THEM TO A NEW ATTRIBUTE CLASS (ONE THAT WAS JUST COPIED).

ARGUMENTS:

OLD-AC-NO	DSPLY[S9(9)]
NEW-AC-NO	DSPLY[S9(9)]

INCLUDE FILES:

SRVRET
ERRPRO

ROUTINES CALLED:

INSACNM
UERROR
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: WRTDITM
PURPOSE: GENERATE A 'DATA ITEM' LIST FOR A GIVEN VIEW NUMBER
LANGUAGE: VAX-11 COBOL
SOURCE FILE: WRTDITM
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- CALLED FROM GENVIEW, THIS ROUTINE GENERATES
A 'DATA ITEM' LIST FOR THE NDDL 'CREATE VIEW'
COMMAND.
MODIFIED MAR 17,1987 BY R. STEWART TO CHANGE ORDER BY TO DI_NO

ARGUMENTS:

VIEW-NO	DSPLY[S9(9)]
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

ADDPARM
ERRCDM
ERRPRO

ROUTINES CALLED:

ADDPARM
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: WRTDSTP
PURPOSE: GENERATES THE NDDL CREATE DESCRIPTION TYPE COMMAND
LANGUAGE: VAX-11 COBOL
SOURCE FILE: WRTDSTP
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- THIS ROUTINE WILL ACTUALLY GENERATE THE
NDDL COMMAND TO A FILE OR THE SCREEN TO
CREATE THE DESCRIPTION TYPE.

-

ARGUMENTS:

DESC-TYPE	DSPLY[X(30)]
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

ERRCDM

ROUTINES CALLED:

ADDPARM

DOCGROUP PS41100 Module Documentation

NAME: WRTECKW
PURPOSE: RETREIVE AND COPY ALL THE KEYWORDS ASSOCIATED WITH AN
ENTITY CLASS.
LANGUAGE: VAX-11 COBOL
SOURCE FILE: WRTECKW
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

WRTECKW WILL RETREIVE ALL THE KEYWORDS ASSOCIATED WITH AN ENTITY CLASS AND COPY THEM TO A NEW ENTITY CLASS (ONE THAT WAS JUST COPIED).

ARGUMENTS:

OLD-EC-NO	DSPLY[S9(9)]
NEW-EC-NO	DSPLY[S9(9)]

INCLUDE FILES:

SRVRET
ERRPRO

ROUTINES CALLED:

INSKWEC
UERROR
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: WRTENAM
PURPOSE: RETRIEVE AND COPY ALL THE ALIAS NAMES OF AN ENTITY
CLASS.
LANGUAGE: VAX-11 COBOL
SOURCE FILE: WRTENAM
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

WRTENAM WILL RETRIEVE ALL THE ALIAS NAMES
OF AN ENTITY CLASS AND COPY THEM TO A NEW
ENTITY CLASS (ONE THAT WAS JUST COPIED).

ARGUMENTS:

OLD-EC-NO	DSPLY[S9(9)]
NEW-EC-NO	DSPLY[S9(9)]
MODEL-NO	DSPLY[S9(9)]

INCLUDE FILES:

SRVRET
ERRPRO

ROUTINES CALLED:

VERENT
UERROR
INSECNM
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: WRTOAT
PURPOSE: Generate the create attribute commands for owned
att's
LANGUAGE: VAX-11 COBOL
SOURCE FILE: WRTOAT
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- this routine was called from modoatt to process
and generate the nddl commands for owned attributes
including the keywords, descriptions, and aliases.

-

ARGUMENTS:

EC-NO	DSPLY[S9(9)]
TAG-NO	DSPLY[S9(9)]
AC-NO	DSPLY[S9(9)]
AC-NAME	DSPLY[X(30)]
AC-NAME-TYPE	DSPLY[X(30)]
DOMAIN-NAME	DSPLY[X(30)]
DEP-FLAG	DSPLY[9]
NKEY-FLAG	DSPLY[9]
DESC-FLAG	DSPLY[9]
KEYWORD-FLAG	DSPLY[9]
ALIAS-FLAG	DSPLY[9]
DEP-EC-LIST	RECRD
RETURN-STATUS	DSPLY[S9(9)]

INCLUDE FILES:

CHKCDM
ERRCDM
DEPECL
ERRPRO

ROUTINES CALLED:

FNDEC
VERKCM
GENATT
GENDESC
GENALI
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: WRTSLCT
PURPOSE: GENERATE THE 'AS SELECT' CLAUSE FOR THE CREATE VIEW
COMMAND
LANGUAGE: VAX-11 COBOL
SOURCE FILE: WRTSLCT
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- CALLED FROM GENVIEW, THIS ROUTINE WILL ASSIGN
A ABBR CODE FOR EACH UNIQUE ENTITY NAME RETRIEVED
FOR A GIVEN VIEW NUMBER IN THE CDM AND THEN
GENERATE A 'AS SELECT' CLAUSE FOR THAT VIEW.
MODIFIED TO REMOVE THE LOADING OF THE TABLE.

ARGUMENTS:

VIEW-NO	DSPLY[S9(9)]
DISTINCT-IND	DSPLY[X]
EC-NAME-TABLE	RECRD
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

ADDPARM
ERRCDM
ECTBL
ERRPRO

ROUTINES CALLED:

ADDPARM
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: WRTWHCL
PURPOSE: GENERATE WHERE CLAUSE FOR CREATE VIEW COMMAND.
LANGUAGE: VAX-11 COBOL
SOURCE FILE: WRTWHCL
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- GENERATE A 'WHERE' CLAUSE FOR THE 'CREATE VIEW' COMMAND CONTAINING ALL QUALIFICATION CRITERIA TEXT ITEMS FOR A GIVEN VIEW NUMBER.

ARGUMENTS:

VIEW-NO	DSPLY[S9(9)]
EC-NAME-TABLE	RECRD
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

ADDPARM
ERRCDM
SRVRET
ECTBL
ERRPRO

ROUTINES CALLED:

ADDPARM
SELTGEC
UERROR
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: ADDNODE
PURPOSE: ADD A NEW NODE ONTO THE END OF A LINKED LIST
LANGUAGE: C
SOURCE FILE: ADDNODE
SOURCE FILE TYPE: C
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

```
LLIST1 *(*TAILNODE), *(*CURRENTNODE);
INT NEWREFNO;
```

CALLED BY:
BLOOPCK, TLOOPCK
DESCRIPTION:
THIS PROGRAM WILL ADD A NODE ONTO THE END OF A LINKED LIST USED
WHEN RETREIVEING DATA FROM THE DATABASE IN A STRUCTURED TREE FORM

ARGUMENTS:

TAILNODE	LLIST1 **
CURRENTNODE	LLIST1 **
NEWREFNO	INT

INCLUDE FILES:

STDIO
LLIST

ROUTINES CALLED:

MALLOC

DOCGROUP PS41100 Module Documentation

NAME: ADDRNUM
PURPOSE: ADD A AVAILABLE NO OF A POOL NO BACK TO NO LINKED
LANGUAGE: C
SOURCE FILE: ADDRNUM
SOURCE FILE TYPE: C
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

LIST DATA STRUCTURE.

SYNOPSIS

```
     C          --   ADDRNUM(POOL_NO, AVAIL_NO)
     COBOL      --   CALL "ADDRNUM"       USING
                                           POOL-NO,
                                           AVAIL-NO.
     FORTRAN    --   CALL ADDRNUM(POOLNO, AVAILNO)
```

INPUT:

```
     INT  *POOL_NO ;
     INT  *AVAIL_NO ;
```

OUTPUT:
DESCRPIPTION
THIS ROUTINE PUT THE AVAILABLE NO OF THE POOL NO BACK TO THE NO
LINKED LIST. THE ROUTINE CALLS 'ALLOC' FUNCTION TO ALLOCATE SPACE
FOR STORING THE AVAIL NO AND POOL NO.

ARGUMENTS:

POOL_NO	INT *
AVAIL_NO	INT *

DOCGROUP PS41100 Module Documentation

```
NAME: ADDTXT
PURPOSE: THIS ROUTINE WRITES 80 CHARACTERS OF DESCRIPTIVE TEXT
LANGUAGE: C
SOURCE FILE: ADDTXT
SOURCE FILE TYPE: C
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL


DESCRIPTION:
------------
              TO THE USER'S FILE OF GENERATED NDDL COMMANDS.
THE
              FIRST LINE OF TEXT IS PRECEEDED BY A DOUBLE QUOTE
              MARK IN COLUMN 1 AND A NEWLINE CHARACTER IN
COLUMN 2.
              THE LAST LINE OF TEXT IS FOLLOWED BY THE SAME
THING.

              NOTE -- THE DESCRIBE COMMAND PROCESSOR WILL
INCLUDE
                      THE TRAILING BLANKS BETWEEN THE QUOTE MARK
                      AND THE END OF THE LINE AS PART OF THE
                      DESCRIPTIVE TEXT IF THE NEWLINE CHARACTER
                      IS OMITTED.
SYNOPSIS
 C      --     ADDTXT (TXT-LINE, FLAG)
 COBOL --      CALL "ADDTXT" USING TXT-LINE
                                   QUOTE-FLAG.
 FORTRAN --    CALL ADDTXT (TXTLIN,FLAG)
INPUT:
 CHAR *TXT-LINE[80]
 INT FLAG
 OUTPUT:


ARGUMENTS:
----------
TXT_LINE                                CHAR *
FLAG                                    INT *

ROUTINES CALLED:
----------------
WRTLIN
```

DOCGROUP PS41100 Module Documentation

```
NAME: AKCROW
PURPOSE: THIS ROUTINE ADDS A ROW TO THE UNBOUNDED
        KEY_CLASS_LIST
LANGUAGE: C
SOURCE FILE: AKCROW
SOURCE FILE TYPE: C
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:
------------
SYNOPSIS
     C          --    AKCROW(&EC_NO, &KC_NO, &KC_NAME,
&KCM_TAG_NO,
                              &KCM_TAG_NAME) ;

     COBOL      --    CALL "AKCROW"    USING
                                       EC-NO,
                                       KC-NO,
                                       KC-NAME,
                                       KCM-TAG-NO,
                                       KCM-TAG-NAME.
     FORTRAN    --    CALL AKCROW(ECNO, KCNO, KCNAME, KCMTAGNO,
KCMTAGNAME)
INPUT:
     INT  *EC_NO ;
     INT  *KC_NO ;
     CHAR *KC_NAME[30] ;
     INT  *KCM_TAG_NO ;
     CHAR *KM_TAG_NAME[30] ;
OUTPUT:
DESCRPIPTION:
     THIS ROUTINE ADDS A ROW TO THE UNBOUNDED KEY_CLASS_LIST
     ADD EC_NO, TAG_NO AND KCM_TAG_NO

ARGUMENTS:
----------
EC_NO                                  INT *
KC_NO                                  INT *
KC_NAME                                CHAR *
KCM_TAG_NO                             INT *
KCM_TAG_NAME                           CHAR *

INCLUDE FILES:
--------------
KEYLIST

ROUTINES CALLED:
----------------
SPRINTF
ADDKG
ADDEC
ADDKCLS
```

DOCGROUP PS41100 Module Documentation

```
NAME: ADDEC
PURPOSE: ADD THE ENTITY NAME TO THE TREE LIST STRUCTURE
LANGUAGE: C
SOURCE FILE: AKCROW
SOURCE FILE TYPE: C
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:
------------
SYNOPSIS
     C          --   ADDEC(&EC_NO)

     COBOL      --   CALL "ADDEC"   USING
                                     EC-NO.
     FORTRAN    --   CALL ADDEC(ECNO)
INPUT:
     INT  *EC_NO ;
OUTPUT:
DESCRPIPTION:
    ADD EC_NO INTO KEYLIST TREE DATA STRUCTURE

ARGUMENTS:
----------
EC_NO                                INT *

INCLUDE FILES:
--------------
KEYLIST

ROUTINES CALLED:
----------------
MALLOC
```

DOCGROUP PS41100 Module Documentation

```
NAME: ADDKCLS
PURPOSE: ADD KEY INFO TO THE UNBOUNDED KEY_CLASS_LIST
         STRUCTURE
LANGUAGE: C
SOURCE FILE: AKCROW
SOURCE FILE TYPE: C
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:
------------
SYNOPSIS
     C          --   ADDKCLS(&KC_NO, &KC_NAME)

     COBOL      --   CALL "ADDKCLS"   USING
                                      KC-NO,
                                      KC-NAME,
     FORTRAN    --   CALL ADDKCLS( KCNO, KCNAME)
INPUT:
     INT  *KC_NO ;
     CHAR *KC_NAME[30] ;
OUTPUT:
DESCRPIPTION:
     THIS ROUTINE ADDS KC_NO, KC_NAME TO THE UNBOUNDED
KEY_CLASS_LIST

ARGUMENTS:
----------
KC_NO                                  INT *
KC_NAME                                CHAR *

INCLUDE FILES:
--------------
KEYLIST

ROUTINES CALLED:
----------------
MALLOC
STRNCPY
```

DOCGROUP PS41100 Module Documentation

```
NAME: ADDKG
PURPOSE: ADD KCM_TAG NUMBER AND NAME TO STRUCTURE
LANGUAGE: C
SOURCE FILE: AKCROW
SOURCE FILE TYPE: C
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL


DESCRIPTION:
------------
SYNOPSIS
     C          --    ADDKG(&EC_NO, &KCM_TAG_NO,
                            &KCM_TAG_NAME) ;

     COBOL      --    CALL "ADDKG"    USING
                                       KCM-TAG-NO,
                                       KCM-TAG-NAME.
     FORTRAN    --    CALL ADDKG( KCMTAGNO, KCMTAGNAME)
INPUT:
     INT   *KCM_TAG_NO ;
     CHAR *KM_TAG_NAME[30] ;
OUTPUT:
DESCRPIPTION:
     THIS ROUTINE ADDS KEY CLASS MEMBER INFO TO THE UNBOUNDED
     TO THE KEY CLASS LIST TREE STRUCTURE

ARGUMENTS:
----------
KCM_TAG_NO                              INT *
KCM_TAG_NAME                            CHAR *

INCLUDE FILES:
--------------
KEYLIST

ROUTINES CALLED:
----------------
MALLOC
STRNCPY
```

DOCGROUP PS41100 Module Documentation

```
NAME: ALLATT
PURPOSE: SELECT ALL THE ATTRIBUTES IN FROM-MODEL AND GENERATE
LANGUAGE: C
SOURCE FILE: ALLATT
SOURCE FILE TYPE: PC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:
------------
                  NDDL COMMANDS TO CREATE THE ATTRIBUTES ,
THEIR KEYWORDS,
                  ALIAS AND DESCRIPTIONS IN THE TO-MODEL

SYNOPSIS
     C          --   ALLATT(&MODEL_NO, &MODEL_NAME,
&KEYWORD_FLAG,
                             &ALIAS_FLAG, &DESC_FLAG) ;
     COBOL      --   CALL "ALLATT"   USING
                                     MODEL-NO,
                                     MODEL-NAME,
                                     KEYWORD-FLAG,
                                     ALIAS-FLAG,
                                     DESC-FLAG.
     FORTRAN    --   CALL ALLATT(MODELNO, MODELNAME,
KEYWORDFLAG, ALIASFLAG,
                                  DESCFLAG)
INPUT:
     INT  *MODEL_NO ;
     CHAR *MODEL_NAME ;
     INT  *KEYWORD_FLAG ;
     INT  *ALIAS_FLAG ;
     INT  *DESC_FLAG ;
DESCRPITION:
     THIS ROUTINE USES ORACLE CALLS TO RETRIEVE RECORDS FROM
     ATTRIBUTE_CLASS, ATTRIBUTE_NAME, DOMAIN_CLASS, THEN USE
THE
     INFORMATIONS TO GENERATE NDDL COMMAND STATEMENT.
REWRITTEN TO PRO*C DUE TO PROBLEM WITH SQL*FORMS AND HLI
INTERFACE

ARGUMENTS:
----------
MODEL_NO                                INT *
MODEL_NAME                              CHAR *
KEYWORD_FLAG                            CHAR *
ALIAS_FLAG                              CHAR *
DESC_FLAG                               CHAR *

INCLUDE FILES:
--------------
EOD
```

```
ROUTINES CALLED:
----------------
SQLSCA
SQLBS2
SQLSCH
SQLSCC
SQLCLS
ERRRPT
SQLAD2
SQLFCH
STRNCMP
GENATT
STRNCPY
GENDESC
GENALI
SQLTOC
SQLSQS
SQLOSQ
SQLAB2
SQLEXE


  DOCGROUP PS41100 Module Documentation

NAME: ALLCSET
PURPOSE: SELECT ALL RELATIONS IN THE CDM AND FOR EACH
LANGUAGE: C
SOURCE FILE: ALLCSET
SOURCE FILE TYPE: PC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:
------------
                ONE SELECTED CALL GENMREL TO START GENERATING
                CREATE MAP FOR SET COMMANDS.

SYNOPSIS
     C          --   ALLCSET()
     COBOL      --   CALL "ALLCSET"
     FORTRAN    --   CALL  ALLCSET ()
INPUT:
OUTPUT:
DESCRIPTION
REWRITTEN TO PRO*C DUE TO PROBLEM WITH SQL*FORMS AND HLI
INTERFACE

INCLUDE FILES:
--------------
EOD

ROUTINES CALLED:
----------------
STRNCPY
ADDPARM
SQLSCA
```

SQLBS2
SQLSCH
SQLSCC
SQLCLS
ERRRPT
SQLAD2
SQLFCH
GENMREL
SQLTOC
SQLSQS
SQLOSQ
SQLEXE

DOCGROUP PS41100 Module Documentation

NAME: ALLENT
PURPOSE: SELECT ALL THE ATTRIBUTES IN FROM-MODEL AND GENERATE
LANGUAGE: C
SOURCE FILE: ALLENT
SOURCE FILE TYPE: PC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

NDDL COMMANDS TO CREATE THE ENTITY, THEIR KEYWORDS,
ALIAS AND DESCRIPTIONS IN THE TO-MODEL

SYNOPSIS

```
     C          --   ALLENT(&MODEL_NO, &MODEL_NAME,
&KEYWORD_FLAG,
                            &ALIAS_FLAG, &DESC_FLAG) ;
     COBOL      --   CALL "ALLENT"   USING
                                     MODEL-NO,
                                     MODEL-NAME,
                                     KEYWORD-FLAG,
                                     ALIAS-FLAG,
                                     DESC-FLAG.
     FORTRAN    --   CALL ALLENT(MODELNO, MODELNAME,
KEYWORDFLAG, ALIASFLAG,
                                 DESCFLAG)
```

INPUT:

```
     INT  *MODEL_NO ;
     CHAR *MODEL_NAME ;
     INT  *KEYWORD_FLAG ;
     INT  *ALIAS_FLAG ;
     INT  *DESC_FLAG ;
```

DESCRIPTION:

THIS ROUTINE USES ORACLE CALLS TO RETRIEVE RECORDS FROM ENTITY_CLASS, ENTITY_NAME THEN USE THE INFORMATIONS TO GENERATE NDDL COMMAND STATEMENT.
REWRITTEN TO PRO*C DUE TO PROBLEM WITH SQL*FORMS AND HLI INTERFACE

ARGUMENTS:

MODEL_NO	INT *
MODEL_NAME	CHAR *
KEYWORD_FLAG	CHAR *
ALIAS_FLAG	CHAR *
DESC_FLAG	CHAR *

INCLUDE FILES:

EOD

ROUTINES CALLED:

SQLSCA
SQLBS2
SQLSCH
SQLSCC
SQLCLS
ERRRPT
SQLAD2
SQLFCH
STRNCMP
BLECLST
GENENT
STRNCPY
GENDESC
GENALI
SQLTOC
SQLOSQ
SQLAB2
SQLEXE

DOCGROUP PS41100 Module Documentation

NAME: ALLMCAT
PURPOSE: SELECT ALL RELATIONS IN THE CDM ANF OR EACH
LANGUAGE: C
SOURCE FILE: ALLMCAT
SOURCE FILE TYPE: PC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

ONE SELECTED CALL GENMREL TO START GENERATING
CREATE MAP FOR RELATION COMMANDS.

SYNOPSIS

```
     C          --   ALLMCAT()
     COBOL      --   CALL "ALLMCAT"
     FORTRAN    --   CALL  ALLMCAT ()
```

INPUT:
OUTPUT:
DESCRIPTION
REWRITTEN TO PRO*C DUE TO PROBLEM WITH SQL*FORMS AND HLI
INTERFACE

INCLUDE FILES:

EOD

ROUTINES CALLED:

STRNCPY
ADDPARM
SQLSCA
SQLBS2
SQLSCH
SQLSCC
SQLCLS
ERRRPT
SQLAD2
SQLFCH
GENAREL
SQLTOC
SQLSQS
SQLOSQ
SQLEXE

DOCGROUP PS41100 Module Documentation

NAME: ALLMREL
PURPOSE: SELECT ALL RELATIONS IN THE CDM ANF OR EACH
LANGUAGE: C
SOURCE FILE: ALLMREL
SOURCE FILE TYPE: PC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

ONE SELECTED CALL GENMREL TO START GENERATING
CREATE MAP FOR RELATION COMMANDS.

SYNOPSIS

```
     C          --   ALLMREL()
     COBOL      --   CALL "ALLMREL"
     FORTRAN    --   CALL  ALLMREL ()
```

INPUT:
OUTPUT:
DESCRIPTION
REWRITTEN TO PRO*C DUE TO PROBLEM WITH SQL*FORMS AND HLI
INTERFACE

INCLUDE FILES:

EOD

ROUTINES CALLED:

STRNCPY
ADDPARM
SQLSCA
SQLBS2
SQLSCH
SQLSCC
SQLCLS
ERRRPT
SQLAD2
SQLFCH
SELECNM
GENAREL
SQLTOC
SQLSQS
SQLOSQ
SQLEXE

DOCGROUP PS41100 Module Documentation

NAME: ALLRSET
PURPOSE: SELECT ALL RELATIONS IN THE CDM AND FOR EACH
LANGUAGE: C
SOURCE FILE: ALLRSET
SOURCE FILE TYPE: PC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

ONE SELECTED CALL GENMREL TO START GENERATING
CREATE MAP FOR SET COMMANDS.

SYNOPSIS

C	--	ALLRSET()
COBOL	--	CALL "ALLRSET"
FORTRAN	--	CALL ALLRSET ()

INPUT:
OUTPUT:
DESCRIPTION
REWRITTEN TO PRO*C DUE TO PROBLEM WITH SQL*FORMS AND HLI
INTERFACE

INCLUDE FILES:

EOD

ROUTINES CALLED:

SQLSCA
SQLBS2
SQLSCH
SQLSCC
SQLCLS
ERRRPT
SQLAD2
SQLFCH
GENMREL
STRNCPY
ADDPARM
SQLTOC
SQLSQS
SQLOSQ
SQLEXE

DOCGROUP PS41100 Module Documentation

NAME: ALTATT
PURPOSE: THE ALTER ATTRIBUTE COMMAND PROCESSOR ALTERS
LANGUAGE: C
SOURCE FILE: ALTATT
SOURCE FILE TYPE: C
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

USER SPECIFIED ATTRIBUTES IN THE CDM.

SYNOPSIS

```
     C          --   ALTATT(&MODEL_NO, &STATUS)
     COBOL      --   CALL "ALTATT"        USING
                                          MODEL-NO
                                          STATUS.
     FORTRAN    --   CALL  ALTATT (MODELNO, STATUS)
```

INPUT:
     INT *MODEL_NO
OUTPUT:
     INT *STATUS
DESCRIPTION
     ALTATT EXTRACTS THE ATTRIBUTE CLASS TO BE ALTERED FROM THE LIST,
     VERIFIES THAT IT EXISTS, AND MAKES CALLS TO CHANGE THE DOMAIN,
     DROP KEYWORD, ADD KEYWORD AND ALTER OWNERSHIP OF ATTRIBUTE.

ARGUMENTS:

MODEL_NO	INT *
STATUS	INT *

INCLUDE FILES:

CSTDTYP
LISTID

ROUTINES CALLED:

STRNCPY
CPFONE
VERATT
CHGDOM
SPRINTF
UERROR
AOAEVAL
ADDKW
DRPKW

DOCGROUP PS41100 Module Documentation

NAME: BLECLST
PURPOSE: THIS ROUTINE CREATES A ROW IN THE UNBOUNDED EC_LIST
LANGUAGE: C
SOURCE FILE: BLECLST
SOURCE FILE TYPE: C
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

DATA STRUCTURE.

SYNOPSIS

```
     C          --   BLECLST(&EC_NO, &EC_NAME, &STATUS)
     COBOL      --   CALL "BLECLST"   USING
                                      EC-NO,
                                      EC-NAME,
                                      STATUS.
     FORTRAN    --   CALL BLECLST(ECNO, ECNAME, STATUS)
```

INPUT:

```
     INT  *EC_NO ;
     CHAR *EC_NAME ;
     INT  *STATUS ;
```

OUTPUT:
DESCRPIPTION:

ARGUMENTS:

EC_NO	INT *
EC_NAME	CHAR *

INCLUDE FILES:

KEYLIST

ROUTINES CALLED:

ADDECNM

DOCGROUP PS41100 Module Documentation

NAME: ADDECNM
PURPOSE: ADD THE EC_NAME AND EC_NO INTO KEYLIST
LANGUAGE: C
SOURCE FILE: BLECLST
SOURCE FILE TYPE: C
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

SYNOPSIS

```
     C          --    ADDECNM(EC_NO,EC_NAME)

     COBOL      --    CALL "ADDECNM"        USING
                                EC_NO,
                                EC_NAME.
     FORTRAN    --    CALL  ADDECNM (EC_NO,EC_NAME)
```

INPUT:

```
          INT  *EC_NO ;
          CHAR *EC_NAME ;
```

OUTPUT:
DESCRIPTION
THIS ROUTINE ADDS THE EC_NO AND EC_NAME TO THE
KEYLIST DATA STRUCTURE

ARGUMENTS:

EC_NO	INT *
EC_NAME	CHAR *

INCLUDE FILES:

KEYLIST

ROUTINES CALLED:

MALLOC
STRNCPY

DOCGROUP PS41100 Module Documentation

```
NAME: BLOOPCK
PURPOSE: CHECK FOR LOOPS FROM THE ENTITY GIVEN UP THE
         HIERARCHY
LANGUAGE: C
SOURCE FILE: BLOOPCK
SOURCE FILE TYPE: PC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:
------------
SYNOPSIS
     C          --    BLOOPCK(EC_NO)

     COBOL      --    CALL "BLOOPCK"        USING
                                           EC-NO.
     FORTRAN    --    CALL  BLOOPCK (ECNO)
INPUT:
       INT EC_NO    THE ENTITY CLASS FOR WHICH AN UPWARD
HIERARCHY WILL
                    BE SEARCHED
OUTPUT:
       WARNING MESSAGES WILL BE ISSUED
            STATUS        SET TO -1 IF A LOOP IS FOUND
                     LEFT ALONE OTHERWISE
DESCRIPTION
       USE A SQL TREE SEARCH FOR ALL RELATIONS ABOVE THIS
ENTITY, IF A LOOP
       IN THE USER DATA IS ENCOUNTERED, REPORT AN ERROR TO THE
USER.
REWRITTEN TO PRO*C DUE TO PROBLEM WITH SQL*FORMS AND HLI
INTERFACE
3/14/89:  REWRITTEN TO TAKE OUT 'CONNECT BY PRIOR' IN ORDER TO
          MAKE IT ALL STANDARD SQL.
8/30/89:  MODIFIED TO HANDLE CATEGORY RELATIONS AS WELL AS
LINK RELATIONS

ARGUMENTS:
----------
EC_NO                                  INT *
STATUS                                 INT *

INCLUDE FILES:
--------------
STDIO
EOD
LLIST

ROUTINES CALLED:
----------------
SQLAB2
SQLAD2
SQLBS2
SQLCLS
FRELST1
```

STRCPY
ADDPARM
ERRRPT
SQLEXE
SQLFCH
LOOPDEP
ADDNODE
STRTLST
SQLOSQ
SQLSCA
SQLSCC
SQLSCH
SQLTOC

DOCGROUP PS41100 Module Documentation

NAME: BRANCHR
PURPOSE: PERFORMS MULTI-WAY CALL TO THE
LANGUAGE: C
SOURCE FILE: BRANCHR
SOURCE FILE TYPE: C
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

INDIVIDUAL COMMAND PROCESSOR.
SYNOPSIS
C -- BRANCHR(COMMAND_NO);
COBOL -- CALL "BRANCHR" USING
COMMAND_NO.
FORTRAN -- CALL BRANCHR(CMDNO)
INPUT:
COMMAND_NO AN INTEGER VARIABLE, A VALUE INDICATING
WHICH COMMAND IS TO BE EXECUTED,
FOR VALUE ASSIGNMENTS SEE THE FILE
"CMDID.H"
OUTPUT:
DESCRIPTION
SIMPLY PERFORM A SWITCH ON COMMAND_NO, AT EAC
CASE CALL THE APPROPRIATE COMMAND PROCESSOR.
PLEASE KEEP THE CASES IN ALPHABETICAL ORDER!
MODIFICATION HISTORY
4/20/89--BERNIER--ADD CREATE CATEGORY, ALTER CATEGORY AND
DROP CATEGORY COMMANDS

ARGUMENTS:

COMMAND_NO INT

INCLUDE FILES:

CMDID
NDDLEX

ROUTINES CALLED:

SPRINTF
ERRPRO
UERROR
SETOUT
HALT
ALTALI
ALTATT
ALTCAT
ALTDB
ALTDBMS
PRINTF
ALTDOM
ALTENT
ALTFLDS
ALTHST
ALTMAP
ALTMOD
ALTSMOD
ALTPART
ALTPSB
ALTREC
ALTREL
ALTUNIN
CHKMOD
CMBENT
COMMIT
CMPMOD
COPATT
CPYDB
CPYDBMS
CPYDSTP
CPYDES
CPYDOM
COPENT
CPYHST
CPYMAP
CPYMOD
CPYMODU
CPYREC
CPYSET
CPYVIEW
CRTALI
CRTATT
CRTCAT
CRTDSCT
CRTDOM
CRTENT
CRTMAP
CRTMOD
CRTPART
CRTRELA
CRTUNIN
CRTVIEW
DEFALG
DEFDB
DEFDBMS

DEFHST
DEFSMOD
DEFPSB
DEFREC
DEFSET
DESCRB
DRPALG
DRPALI
DRPATT
DRPCAT
DRPDB
DRPDBMS
DRPDSCT
DRPDOM
DRPENT
DRPFLD
DRPHST
DRPKWC
DRPLUW
DRPMAP
DRPMOD
DRPSMOD
DRPPART
DRPPSB
DRPREC
DRPREL
DRPSET
DRPUNIN
DRPVIEW
MRGMOD
RENMOBJ
ROLBACK
SETCOMM

DOCGROUP PS41100 Module Documentation

NAME: CDMACRX
PURPOSE:
LANGUAGE: C
SOURCE FILE: CDMACRX
SOURCE FILE TYPE: C
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

ARGUMENTS:

FILE_NO	INT *
LIB_NAME	CHAR *
MACRO_NAME	CHAR *
SUB_LIST	CHAR *

ROUTINES CALLED:

CDMACR

DOCGROUP PS41100 Module Documentation

```
NAME: CHGDOM
PURPOSE: CHANGE THE DOMAIN FOR AN ALTERED ATTRIBUTE
LANGUAGE: C
SOURCE FILE: CHGDOM
SOURCE FILE TYPE: C
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:
------------
                    CLASS.
SYNOPSIS
     C          --   CHGDOM(&AC_NO, &STATUS)
     COBOL      --   CALL "CHGDOM"        USING
                                          AC-NO
                                          STATUS.
     FORTRAN    --   CALL  CHGDOM (ACNO, STATUS)
INPUT:
     INT *AC_NO
OUTPUT:
     INT *STATUS
DESCRIPTION
     CHGDOM ALLOWS AN ATTRIBUTE CLASS TO CHANGE FROM ONE
     DOMAIN TO ANOTHER.  THE VALUE OF THE FUNCTION IS ZERO
     IF SUCCESSFUL AND -1 OTHERWISE.
MODIFIED: SANDY SINGH, SEP 21, 1988
          TO CREATE A DOMAIN WITH AN UNDEFINED DOMAIN
MODIFIED: LAURA SPARKS, 6-22-89
          TO MAKE SURE NEW DOMAIN DOES NOT INVALIDATE A
CATEGORY
          THAT THE ATTRIBUTE IS THE DISCRIMINATOR FOR.

ARGUMENTS:
----------
AC_NO                                  INT *
STATUS                                 INT *

INCLUDE FILES:
--------------
CSTDTYP
LISTID
UNIQENO

ROUTINES CALLED:
----------------
CPFONE
STRNCMP
STRNCPY
VERDOM
SPRINTF
UERROR
CHKCDOM
UPDAC
```

DOCGROUP PS41100 Module Documentation

```
NAME: CHGLOBL
PURPOSE: CHANGES THE GLOBAL DB PARAMETERS
LANGUAGE: C
SOURCE FILE: CHGLOBL
SOURCE FILE TYPE: C
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL


DESCRIPTION:
------------
 SYNOPSIS

 C       CHGLOBL(DB_ID, DB_NAME, HOST_NAME, DBMS_NAME)
       COBOL      --    CALL "CHGLOBL"      USING
                                               DB_ID,
                                            DB_NAME,
                                            HOST_NAME,
                                            DBMS_NAME.
       FORTRAN    --    CALL  CHGLOBL
(DB_ID,DB_NAME,HOST_NAME,DBMS_NAME)
 INPUT:
 OUTPUT:
 DESCRIPTION
THIS ROUTINE WILL CHANGE THE FOLLOWING 4 GLOBAL VARIABLE
         1. CUR_DBID      (CURRENT DATABASE ID)
         2. CUR_DBNAME    (CURRENT DATABASE NAME)
3. CUR_HOST      (CURRENT HOST NAME     )
4. CUR_DBMS      (CURRENT DATABASE MANAGEMENT)


ARGUMENTS:
----------
DB_ID                                    INT *
DB_NAME                                  CHAR *
HOST_NAME                                CHAR *
DBMS_NAME                                CHAR *
```

DOCGROUP PS41100 Module Documentation

```
NAME: CHKLOOP
PURPOSE: CHECK LOOP DEPENDENCY AND FOR TOPS AND BOTTOMS
LANGUAGE: C
SOURCE FILE: CHKLOOP
SOURCE FILE TYPE: PC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:
------------
SYNOPSIS
     C         --  CHKLOOP(MODEL_NAME,&STATUS)
      COBOL     --  CALL "CHKLOOP"     USING
                                       MODEL-NAME
                                       STATUS.
     FORTRAN   --     CALL CHKLOOP(MODELNAME,STATUS).
INPUT:
   CHAR  *MODEL_NAME ;
OUTPUT:
   INT   *STATUS;
DESCRIPTION
  THIS ROUTINE CHECKS FOR LOOP DEPENDANCY.IF A LOOP
  EXISTS THE MODEL CANNOT BE  "CHECKED".
    THE CHECK CONSISTS OF LOOKING FOR ALL TOP NODES IN THE
MODEL,THOSE ENTITIES WHICH ARE DEPENDENT ON NO OTHERS, EVERY
MODEL SHOULD HAVE AT LEAST ONE.  THEN FOR EACH TOP CALL TLOOPCK
    TO CHECK FOR ANY LOOPS IN THE HIERARCHY STARTING AT THAT
TOP.
    NEXT LOOK FOR ALL BOTTOM ENTITIES, EACH MODEL SHOULD HAVE
AT LEAST ONE BOTTOM.  FOR EACH BOTTOM CALL BLOOPCK
TO CHECK FOR ANY LOOPS IN THE HIERARCHY ENDING AT THAT
BOTTOM.
REWRITTEN TO PRO*C DUE TO PROBLEM WITH SQL*FORMS AND HLI
INTERFACE
MODIFIED 8/30/89 TO HANDLE CATEGORY RELATIONS AS WELL AS LINK
RELATIONS

ARGUMENTS:
----------
MODEL_NAME                              CHAR *
STATUS                                  INT *

INCLUDE FILES:
--------------
CSTDTYP
EOD

ROUTINES CALLED:
----------------
STRNCPY
SPRINTF
ADDPARM
ERRRPT
SQLSCA
SQLBS2
```

SQLSCH
SQLSCC
SQLCLS
SQLAD2
SQLFCH
BLOOPCK
TLOOPCK
SQLTOC
SQLSQS
SQLOSQ
SQLAB2
SQLEXE

DOCGROUP PS41100 Module Documentation

NAME: CMPTAGS
PURPOSE: RETRIEVE ALL TAGS USED BY AN ALGORITHM
LANGUAGE: C
SOURCE FILE: CMPTAGS
SOURCE FILE TYPE: PC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

THAT EXIST IN BOTH COMPLEX_MAPPING_PARM
AND AUC_IS_MAPPING.
SAVE ALL THESE TAGS IN A TABLE (TAGTBL)

SYNOPSIS

```
     C          --
CMPTAGS(TT-TABLE,PREF,MOD_ID,MOD_INST,CODE,STATUS)
     COBOL      --   CALL "CMPTAGS"   USING
                                      TT-TABLE
                                      PREF-NO
                                      MOD_ID
                                      MOD_INST
                                      ALG-USE-CODE
                                      STATUS.
     FORTRAN    --   CALL
CMPTAGS(TT-TABLE,PREF,MOD-ID,MOD-INST,CODE,STATUS)
```

INPUT:

```
     INT  *TT-TABLE ;
     INT  *PREF_NO ;
     CHAR *MOD_ID ;
     INT  * MOD_INST ;
     CHAR *ALG_USE_CODE ;
     INT  *STATUS ;
```

DESCRPIPTION:
REWRITTEN TO PRO*C DUE TO PROBLEM WITH SQL*FORMS AND HLI
INTERFACE

ARGUMENTS:

TT_TABLE	INT *
PREF_NO	INT *
MOD_ID	CHAR *

```
MOD_INST                                INT *
ALG_USE_CODE                            CHAR *
STATUS                                  INT *


INCLUDE FILES:
--------------
EOD


ROUTINES CALLED:
----------------
STRNCPY
STRCPY
SQLSCA
SQLBS2
SQLSCH
SQLSCC
SQLCLS
ERRRPT
SQLAD2
SQLFCH
SAVTAGS
SQLTOC
SQLSQS

  DOCGROUP PS41100 Module Documentation

NAME: COMMIT
PURPOSE: ISSUE THE NDML COMMIT AND THE ORACLE COMMIT
LANGUAGE: C
SOURCE FILE: COMMIT
SOURCE FILE TYPE: C
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:
------------
SYNOPSIS
     C          --   COMMIT(&STATUS)  ;
     COBOL      --   CALL "COMMIT"  USING STATUS.
     FORTRAN    --   CALL COMMIT (STATUS)
INPUT:     NONE
OUTPUT:    INT  *STATUS ;
DESCRPIPTION:
     MODIFIED: 1 NOV,1986   REMOVE CALLS TO REUSABLE_NUMBER
     MODIFIED: 23 SEP,1988  CHANGE COCOM TO OCOM

ARGUMENTS:
----------
STATUS                                  INT *

ROUTINES CALLED:
----------------
NCOMMIT
SPRINTF
UERROR
ERRPRO
```

DOCGROUP PS41100 Module Documentation

NAME: COPTOPE
PURPOSE: SELECT ALL THE LEVEL 1 TOP NODE INDEPENDENT ENTITY
LANGUAGE: C
SOURCE FILE: COPTOPE
SOURCE FILE TYPE: PC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

CLASSES IN THE FROM_MODEL AND GENERATE ALTER ENTITY
STATEMENTS TO ADD THEIR KEY CLASSES.

SYNOPSIS

```
C   -   COPTOPE(&MODEL_NO,&RC,&DEP_FLAG,&DEP_EC_LIST) ;
COBOL -     CALL "COPTOPE"   USING
                                 MODEL-NO,
                                 DEP-FLAG,
                                 DEP-EC-LIST
                                 RC.
FORTRAN - CALL COPTOPE(MODELNO, DEPFLAG, DEPECLIST,RC)
```

INPUT: INT *MODEL_NO ;
INT *DEP_FLAG;
INT *DEP_EC_LIST;
INT *STATUS ;

DESCRPIPTION: REWRITTEN TO PRO*C DUE TO PROBLEM WITH SQL*FORMS AND HLI INTERFACE

ARGUMENTS:

MODEL_NO	INT *
DEP_FLAG	CHAR *
DEP_EC_LIST	INT *
STATUS	INT *

INCLUDE FILES:

EOD

ROUTINES CALLED:

SQLSCA
SQLBS2
SQLSCH
SQLSCC
SQLCLS
ERRRPT
SQLAD2
SQLFCH
FNDEC
GETECNM
GENALTE
SQLTOC
SQLSQS
SQLOSQ
SQLAB2
SQLEXE

DOCGROUP PS41100 Module Documentation

NAME: INITCMD
PURPOSE:
LANGUAGE: C
SOURCE FILE: CPF
SOURCE FILE TYPE: C
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: SHARE

INCLUDE FILES:

LISTSEX
NDDLEX

DOCGROUP PS41100 Module Documentation

NAME: ADD_TO_LST
PURPOSE:
LANGUAGE: C
SOURCE FILE: CPF
SOURCE FILE TYPE: C
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: SHARE

ARGUMENTS:

LST	INT
STRING	CHAR *

INCLUDE FILES:

LISTSEX
NDDLEX

ROUTINES CALLED:

ERRPRO
SPRINTF
UERROR
PRINTF
LISTNAME
STRLEN
STRCAT

DOCGROUP PS41100 Module Documentation

NAME: ADD_CORR
PURPOSE:
LANGUAGE: C
SOURCE FILE: CPF
SOURCE FILE TYPE: C
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: SHARE

ARGUMENTS:

LST1	INT
LST2	INT
STRING	CHAR *

INCLUDE FILES:

LISTSEX
NDDLEX

ROUTINES CALLED:

STRLEN
STRCAT
PRINTF
LISTNAME

DOCGROUP PS41100 Module Documentation

NAME: ADDNCORR
PURPOSE:
LANGUAGE: C
SOURCE FILE: CPF
SOURCE FILE TYPE: C
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: SHARE

ARGUMENTS:

LST1	INT
LST2	INT
STRING	CHAR *

INCLUDE FILES:

LISTSEX
NDDLEX

ROUTINES CALLED:

STRLEN
STRCAT
PRINTF
LISTNAME

DOCGROUP PS41100 Module Documentation

NAME: ADD_TO_CNT
PURPOSE:
LANGUAGE: C
SOURCE FILE: CPF
SOURCE FILE TYPE: C
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: SHARE

ARGUMENTS:

LIST1	INT
LIST2	INT

INCLUDE FILES:

LISTSEX
NDDLEX

ROUTINES CALLED:

ERRPRO
PRINTF
LISTNAME

DOCGROUP PS41100 Module Documentation

NAME: CPFONE
PURPOSE:
LANGUAGE: C
SOURCE FILE: CPF
SOURCE FILE TYPE: C
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: SHARE

ARGUMENTS:

LST	INT *
TYPE	CHAR *
STRING	CHAR *
COUNT	INT *

INCLUDE FILES:

LISTSEX
NDDLEX

ROUTINES CALLED:

PRINTF
STRNCPY

DOCGROUP PS41100 Module Documentation

NAME: CPFNXT
PURPOSE:
LANGUAGE: C
SOURCE FILE: CPF
SOURCE FILE TYPE: C
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: SHARE

ARGUMENTS:

LST	INT *
STRING	CHAR *
RC	INT *

INCLUDE FILES:

LISTSEX
NDDLEX

ROUTINES CALLED:

STRNCPY

DOCGROUP PS41100 Module Documentation

NAME: CPFCOR
PURPOSE:
LANGUAGE: C
SOURCE FILE: CPF
SOURCE FILE TYPE: C
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: SHARE

ARGUMENTS:

LST1	INT *
LST2	INT *
STRING	CHAR *
RC	INT *

INCLUDE FILES:

LISTSEX
NDDLEX

ROUTINES CALLED:

STRNCPY

DOCGROUP PS41100 Module Documentation

```
NAME: CPFVAL
PURPOSE:
LANGUAGE: C
SOURCE FILE: CPF
SOURCE FILE TYPE: C
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: SHARE


ARGUMENTS:
----------
LIST1                                   INT *
LIST2                                   INT *
VALUE                                   INT *


INCLUDE FILES:
--------------
LISTSEX
NDDLEX
```

DOCGROUP PS41100 Module Documentation

```
NAME: CPYDES
PURPOSE: COMMAND PROCESSOR FOR COPY DESCRIPTION
LANGUAGE: C
SOURCE FILE: CPYDES
SOURCE FILE TYPE: C
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:
------------
 SYNOPSIS
      C          --   CPYDES(&CURRENT_MODEL_NO,*CUR_MOD_NAME)

      COBOL      --   CALL "CPYDES" USING
                                    CURRENT_MODEL_NO,
                                    CUR_MOD_NAME.
      FORTRAN    --   CALL CPYDES(CURRENT_MODEL_NO,CUR_MOD_NAME)
 INPUT:
      INT  *CURRENT_MODEL_NO ;
      CHAR *CUR_MOD_NAME[] ;
 OUTPUT:
 DESCRPIPTION:
     THIS IS A PARTIAL DESCRIPTION COPY. ONLY THE DESCRIPTION
LINES OF THE
     IDENTIFIED DESCRIPTION TYPE OF THE GIVEN OBJECT WILL BE
COPIED, RATHER
     THAN ALL DESCRIPITON TYPES.
MODIFIED FEBRUARY 17, 1987 BY R. STEWART
     USER CAN NOW SPECIFY ANY NUMBER OF SPECIFIC DESCRIPTION
```

TYPES OR ALL
DESCRIPITON TYPES, AND CAN COPY THEM DIRECTLY INTO THE CDM OR ON FILE.

```
ARGUMENTS:
----------
CURRENT_MODEL_NO                        INT *
CUR_MOD_NAME                            CHAR []

INCLUDE FILES:
--------------
LISTID

ROUTINES CALLED:
----------------
STRNCPY
CPFONE
STRNCMP
CPDOFSP
CPDOFAL
CPDDRSP
CPDDRAL
VERMOD
SPRINTF
UERROR

  DOCGROUP PS41100 Module Documentation

NAME: CRCLASA
PURPOSE: FOR MODEL NAME1 SELECT ALL THE CATEGORY RELATIONS
LANGUAGE: C
SOURCE FILE: CRCLASA
SOURCE FILE TYPE: PC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:
------------
BY NAME AND LOOK FOR A MATCHING CATEGORY RELATION NAME IN
MODEL_NAME2
 SYNOPSIS
     C    -    CRCLASA(&MODEL_NAME1, &MODEL_NAME2, &STATUS) ;
     COBOL -    CALL "CRCLASA"    USING
                                     MODEL-NAME1,
                                     MODEL-NAME2,
                                     STATUS.
     FORTRAN-    CALL CRCLASA(MODELNAME1, MODELNAME2,
STATUS)
INPUT:
     CHAR *MODEL_NAME1 ;
     CHAR *MODEL_NAME2 ;
     INT  *STATUS ;
DESCRIPTION:
REWRITTEN TO PRO*C DUE TO PROBLEM WITH SQL*FORMS AND HLI
INTERFACE

ARGUMENTS:
----------
MODEL_NAME1                             CHAR *
MODEL_NAME2                             CHAR *
STATUS                                  INT *
```

```
INCLUDE FILES:
--------------
EOD

ROUTINES CALLED:
----------------
STRNCPY
SQLSCA
SQLBS2
SQLSCH
SQLSCC
SQLCLS
ERRRPT
SQLTFL
SQLOPN
SQLAD2
SQLFCH
CRPARM
CMPCRDA
STRNCMP
CRPARM2
CMCOUNT
CRPARM3
SQLTOC
SQLSQS
SQLOSQ
SQLAB2
SQLEXE


 DOCGROUP PS41100 Module Documentation

NAME: CRCLASS
PURPOSE: FOR MODEL NAME1 SELECT THE PRIMARY CATEGORY RELATION
LANGUAGE: C
SOURCE FILE: CRCLASS
SOURCE FILE TYPE: PC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:
-----------
BY NAME AND LOOK FOR A MATCHING PRIMARY CATEGORY RELATION
                NAME IN MODEL_NAME2
 SYNOPSIS
 C       --    CRCLASS(&MODEL_NAME1, &MODEL_NAME2,&STATUS) ;
 COBOL   --    CALL "CRCLASS"   USING
                                      MODEL-NAME1,
                                      MODEL-NAME2,
                                      STATUS.
 FORTRAN--     CALL CRCLASS(MODELNAME1, MODELNAME2,STATUS)
INPUT:
     CHAR *MODEL_NAME1 ;
     CHAR *MODEL_NAME2 ;
     INT  *STATUS ;
```

DESCRIPTION:
REWRITTEN TO PRO*C DUE TO PROBLEM WITH SQL*FORMS AND HLI INTERFACE

ARGUMENTS:

MODEL_NAME1	CHAR *
MODEL_NAME2	CHAR *
STATUS	INT *

INCLUDE FILES:

EOD

ROUTINES CALLED:

STRNCPY
SQLSCA
SQLBS2
SQLSCH
SQLSCC
SQLCLS
ERRRPT
SQLTFL
SQLOPN
SQLAD2
SQLFCH
CRPARM
CMPCRDA
STRNCMP
CRPARM2
CMCOUNT
CRPARM3
SQLTOC
SQLSQS
SQLOSQ
SQLAB2
SQLEXE

DOCGROUP PS41100 Module Documentation

NAME: DELAC
PURPOSE: DELETE A RECORD FROM ATTRIBUTE_CLASS
LANGUAGE: C
SOURCE FILE: DELAC
SOURCE FILE TYPE: PC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

WHERE AC_NO = "INPUT PARAMETER 1" ;

SYNOPSIS

```
     C          --   DELAC(&AC_NO,&STATUS)
     COBOL      --   CALL "DELAC"   USING
                                    AC-NO,
                                    STATUS.
     FORTRAN    --   CALL DELAC(ACNO,STATUS)
```

INPUT:

```
     INT  *AC_NO ;
```

OUTPUT:

```
     INT  *STATUS ;
```

DESCRPIPTION:

THIS ROUTINE USES ORACLE CALLS TO DELETE A RECORD FROM ATTRIBUTE_CLASS
IF SUCCESSFULLY DELETED THE RECORD , THE STATUS AND RETURN VALUE BOTH
WILL BE 0 , OTHERWISE -1.
REWRITTEN TO PRO*C DUE TO PROBLEM WITH SQL*FORMS AND HLI INTERFACE

ARGUMENTS:

AC_NO	INT *
STATUS	INT *

ROUTINES CALLED:

SQLSCA
SQLBS2
SQLSCH
SQLSCC
SQLTFL
SQLOPN
SQLOSQ
SQLAB2
SQLEXE
SQLWNR
ERRRPT

DOCGROUP PS41100 Module Documentation

```
NAME: DELACAL
PURPOSE: DELETE RECORD CLASS FROM ATTRIBUTE_NAME
LANGUAGE: C
SOURCE FILE: DELACAL
SOURCE FILE TYPE: PC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:
------------
                  WHERE AC_NAME =: "INPUT PARAMETER 1 " AND
                  AC_NO := "INPUT PARAMETER 2" ;
SYNOPSIS
     C          --   DELACAL(AC_NAME, &AC_NO, &STATUS)
     COBOL      --   CALL "DELACAL"  USING
                                     AC-NAME,
                                     AC-NO,
                                     STATUS.
     FORTRAN    --   CALL DELACAL(ACNAME,ACNO,STATUS)
INPUT:
     CHAR *AC_NAME ;
     INT  *AC_NO ;
OUTPUT:
     INT  *STATUS ;
DESCRPIPTION:
     THIS ROUTINE USES ORACLE CALLS TO DELETE A RECORD FROM
ATTRIBUTE_NAME
     WHERE AC_NAME EQUALS TO "INPUT PARAMETER 1" AND AC_NO
EQUALS
     TO "INPUT PARAMETER 2".
     IF SUCCESSFULLY DELETED THE RECORD , THE STATUS AND
RETURN VALUE BOTH
     WILL BE 0 , OTHERWISE -1.
REWRITTEN TO PRO*C DUE TO PROBLEM WITH SQL*FORMS AND HLI
INTERFACE

ARGUMENTS:
----------
AC_NAME                                CHAR *
AC_NO                                  INT *
STATUS                                 INT *

ROUTINES CALLED:
----------------
STRNCPY
SQLSCA
SQLBS2
SQLSCH
SQLSCC
SQLTFL
SQLOPN
SQLOSQ
SQLAB2
SQLEXE
SQLWNR
ERRRPT
```

DOCGROUP PS41100 Module Documentation

```
NAME: DELACKW
PURPOSE: DELETE A RECORD FROM AC_KEYWORD
LANGUAGE: C
SOURCE FILE: DELACKW
SOURCE FILE TYPE: PC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL


DESCRIPTION:
------------
                  WHERE AC_NO = "INPUT PARAMETER 1" ;

SYNOPSIS
     C          --   DELACKW(&AC_NO,&STATUS)
     COBOL      --   CALL "DELACKW" USING
                                    AC-NO,
                                    STATUS.
     FORTRAN    --   CALL DELACKW(ACNO,STATUS)
INPUT:
     INT  *AC_NO ;
OUTPUT:
     INT  *STATUS ;
DESCRPIPTION:
     THIS ROUTINE USES ORACLE CALLS TO DELETE A RECORD FROM
AC_KEYWORD
     IF SUCCESSFULLY DELETED THE RECORD , THE STATUS AND
RETURN VALUE BOTH
     WILL BE 0 , OTHERWISE -1.
REWRITTEN TO PRO*C DUE TO PROBLEM WITH SQL*FORMS AND HLI
INTERFACE


ARGUMENTS:
----------
AC_NO                                  INT *
STATUS                                 INT *

ROUTINES CALLED:
----------------
SQLSCA
SQLBS2
SQLSCH
SQLSCC
SQLTFL
SQLOPN
SQLOSQ
SQLAB2
SQLEXE
SQLWNR
ERRRPT
```

DOCGROUP PS41100 Module Documentation

```
NAME: DELACNM
PURPOSE: DELETE RECORD CLASS FROM ATTRIBUTE_NAME WHERE AC_NO
LANGUAGE: C
SOURCE FILE: DELACNM
SOURCE FILE TYPE: PC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL


DESCRIPTION:
------------
                      := "INPUT PARAMETER" ;

SYNOPSIS
     C          --    DELACNM( &AC_NO, &STATUS)
     COBOL      --    CALL "DELACNM"  USING
                                       AC-NO,
                                       STATUS.
     FORTRAN    --    CALL DELACNM(ACNO,STATUS)
INPUT:
     INT  *AC_NO ;
OUTPUT:
     INT  *STATUS ;
DESCRPIPTION:
     THIS ROUTINE USES ORACLE CALLS TO DELETE A RECORD FROM
ATTRIBUTE_NAME
     WHERE AC_NO EQUAL TO THE INPUT PARAMETER(AC_NO).
     IF SUCCESSFULLY DELETED THE RECORD , THE STATUS AND
RETURN VALUE BOTH
     WILL BE 0 , OTHERWISE -1.
REWRITTEN TO PRO*C DUE TO PROBLEM WITH SQL*FORMS AND HLI
INTERFACE


ARGUMENTS:
----------
AC_NO                                  INT *
STATUS                                 INT *

ROUTINES CALLED:
----------------
SQLSCA
SQLBS2
SQLSCH
SQLSCC
SQLTFL
SQLOPN
SQLOSQ
SQLAB2
SQLEXE
SQLWNR
ERRRPT
```

DOCGROUP PS41100 Module Documentation

```
NAME: DELASM1
PURPOSE: DELETE A RECORD FROM AUC_ST_MAPPING ENITY
LANGUAGE: C
SOURCE FILE: DELASM1
SOURCE FILE TYPE: PC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL


DESCRIPTION:
------------
SYNOPSIS
     C          --    DELASM1(&DB_ID,&STATUS)

     COBOL      --    CALL "DELASM1" USING
                                     DB-ID,
                                     STATUS.
     FORTRAN    --    CALL DELASM1(DBID,STATUS)
INPUT:
     INT  *DB_ID ;
OUTPUT:
     INT  *STATUS ;
DESCRPIPTION:
     THIS ROUTINE USES ORACLE CALLS TO DELETE A RECORD FROM
     AUC_ST_MAPPING. IF SUCCESSFULLY DELETED THE RECORD , THE
STATUS
     AND RETURN VALUE BOTH WILL BE 0 , OTHERWISE -1.
REWRITTEN TO PRO*C DUE TO PROBLEM WITH SQL*FORMS AND MLI
INTERFACE


ARGUMENTS:
----------
DB_ID                                   INT *
STATUS                                  INT *

ROUTINES CALLED:
----------------
SQLSCA
SQLBS2
SQLSCH
SQLSCC
SQLTFL
SQLOPN
SQLOSQ
SQLAB2
SQLEXE
SQLWNR
ERRRPT
```

DOCGROUP PS41100 Module Documentation

```
NAME: DELASM2
PURPOSE: DELETE A RECORD FROM AUC_ST_MAPPING ENITY
LANGUAGE: C
SOURCE FILE: DELASM2
SOURCE FILE TYPE: PC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL


DESCRIPTION:
------------
SYNOPSIS
     C          --   DELASM2(&DB_ID, &SET_ID, &STATUS)

     COBOL      --   CALL "DELASM2" USING
                                    DB-ID,
                                    SET-ID,
                                    STATUS.
     FORTRAN    --   CALL DELASM2(DBID, SETID, STATUS)
INPUT:
     INT  *DB_ID ;
     CHAR *SET_ID ;
OUTPUT:
     INT  *STATUS ;
DESCRPIPTION:
     THIS ROUTINE USES ORACLE CALLS TO DELETE A RECORD FROM
AUC_ST_MAPPING
     IF SUCCESSFULLY DELETED THE RECORD , THE STATUS AND
RETURN VALUE BOTH
     WILL BE 0 , OTHERWISE -1.
REWRITTEN TO PRO*C DUE TO PROBLEM WITH SQL*FORMS AND HLI
INTERFACE

ARGUMENTS:
----------
DB_ID                                   INT *
SET_ID                                  CHAR *
STATUS                                  INT *

ROUTINES CALLED:
----------------
STRNCPY
SQLSCA
SQLBS2
SQLSCH
SQLSCC
SQLTFL
SQLOPN
SQLOSQ
SQLAB2
SQLEXE
SQLWNR
ERRRPT
```

DOCGROUP PS41100 Module Documentation

```
NAME: DELAUC
PURPOSE: DELETE INHERITED_ATT_USE, KEY_CLASS_MEMBER,
LANGUAGE: C
SOURCE FILE: DELAUC
SOURCE FILE TYPE: C
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:
------------
                    ATTRIBUTE_USE_CL WHERE THE TAG NUMBER
EQUALS
                    THE INPUT PARAMETER.  ALSO DELETE
AUC_COPY_XREF
                    WHERE THE INPUT PARAMETER EQUALS TO_AUC_NO
OR
                    FROM_AUC_NO.
SYNOPSIS
     C          --   DELAUC(&TAG_NO, &STATUS)
     COBOL      --   CALL "DELAUC"        USING
                                           TAG-NO
                                           STATUS.
     FORTRAN    --   CALL  DELAUC (TAGNO, STATUS)
INPUT:
     INT *TAG_NO
OUTPUT:
     INT *STATUS
DESCRIPTION
       THIS ROUTINE CALLS ROUTINES WHICH DELETE THE INHERITED
ATTRIBUTE
       USE, KEY CLASS MEMBER, ATTRIBUTE USE CLASS AND THE
ATTRIBUTE USE
       CLASS COPY CROSS REFERENCE ENTITY CLASSES WHERE THE TAG
NUMBERS
       MATCH. THIS ROUTINE WILL ALSO DELETE TEXTUAL
DESCRIPTION AND
  ADD THE REUSABLE TAG-NO BACK TO THE CDM FOR THE TAG-NO.

ARGUMENTS:
----------
TAG_NO                                  INT *
STATUS                                  INT *

INCLUDE FILES:
--------------
CSTDTYP
UNIQENO

ROUTINES CALLED:
----------------
DELIAUC
SPRINTF
UERROR
ADDRNUM
DELTEXT
DELAUCL
```

DOCGROUP PS41100 Module Documentation

NAME: DELAUCK
PURPOSE: DELETE ATTRIBUTE USE CLASS KEY MEMBER GIVEN
LANGUAGE: C
SOURCE FILE: DELAUCK
SOURCE FILE TYPE: C
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

THE TAG NUMBER

SYNOPSIS

```
     C          --   DELAUCK(&TAG_NO, &STATUS)
     COBOL      --   CALL "DELAUCK"       USING
                                           TAG-NO
                                           STATUS.
     FORTRAN    --   CALL  DELAUCK(TAGNO,STATUS)
```

INPUT:
     INT *TAG_NO
OUTPUT:
     INT *STATUS
DESCRIPTION
     THIS ROUTINE CALLS DELKCMT TO DELETE KEY CLASS MEMBERS GIVEN
     A TAG NUMBER FOLLOWED BY DELMIGK WHICH DELETES ALL ATTRIBUTE
     USE CLASSES FORMED FROM A MIGRATION OF THAT TAG NUMBER AND
     ANY MIGRATION OF THOSE ATTRIBUTE USE CLASSES.

ARGUMENTS:

TAG_NO	INT *
STATUS	INT *

INCLUDE FILES:

CSTDTYP

ROUTINES CALLED:

DELKCMT
SPRINTF
UERROR
DELMIGK

DOCGROUP PS41100 Module Documentation

```
NAME: DELAUCL
PURPOSE: DELETE A RECORD FROM ATTRIBUTE_USE_CL
LANGUAGE: C
SOURCE FILE: DELAUCL
SOURCE FILE TYPE: PC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:
------------
                  TAG_NO := "INPUT PARAMETER 1" ;
SYNOPSIS
     C          --    DELAUCL(&TAG_NO, &STATUS)

     COBOL      --    CALL "DELAUCL"  USING
                                       TAG-NO,
                                       STATUS.
     FORTRAN    --    CALL DELAUCL(TAGNO,STATUS)
INPUT:
     INT  *TAG_NO ;
OUTPUT:
     INT  *STATUS ;
DESCRPIPTION:
     THIS ROUTINE USES ORACLE CALLS TO DELETE A RECORD FROM
     ATTRIBUTE_USE_CL WHERE TAG_NO EQUALS TO "INPUT PARAMETER
2".
     IF SUCCESSFULLY DELETED THE RECORD , THE STATUS AND
RETURN VALUE BOTH
     WILL BE 0 , OTHERWISE -1.
REWRITTEN TO PRO*C DUE TO PROBLEM WITH SQL*FORMS AND HLI
INTERFACE

ARGUMENTS:
----------
TAG_NO                                  INT *
STATUS                                  INT *

ROUTINES CALLED:
----------------
SQLSCA
SQLBS2
SQLSCH
SQLSCC
SQLTFL
SQLOPN
SQLOSQ
SQLAB2
SQLEXE
SQLWNR
VERTMAP
DELCONI
DELACON
ERRRPT
```

DOCGROUP PS41100 Module Documentation

```
NAME: DELCIA
PURPOSE: FOR EACH TAG NUMBER ASSOCIATED WITH A CATEGORY ENTITY
         TO
LANGUAGE: C
SOURCE FILE: DELCIA
SOURCE FILE TYPE: PC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:
------------
                  BE DROPPED  DELETE THE ATTRIBUTE_USE_CLASS AND
                  INHERITED_ATTRIBUTE
 SYNOPSIS
      C          --   DELCIA(&KC_NO, &RC_NO, &EC_NO, &STATUS) ;
      COBOL      --   CALL "DELCIA"   USING
                                      KC-NO,
                                      RC-NO,
                                      EC-NO,
                                      STATUS.
      FORTRAN    --   CALL DELCIA(KCNO, RCNO, ECNO, STATUS)
INPUT:INT  *KC_NO ;
      INT  *RC_NO ;
      INT  *EC_NO ;
OUTPUT:INT  *STATUS ;
DESCRIPTION:

ARGUMENTS:
----------
KC_NO                                 INT *
RC_NO                                 INT *
EC_NO                                 INT *
STATUS                                INT *

INCLUDE FILES:
--------------
EOD

ROUTINES CALLED:
----------------
SQLSCA
SQLBS2
SQLSCH
SQLSCC
SQLCLS
ERRRPT
SQLAD2
SQLFCH
DELIAUC
SPRINTF
UERROR
DELAUCL
SQLTOC
SQLOSQ
SQLAB2
SQLEXE
```

DOCGROUP PS41100 Module Documentation

```
NAME: DELCM
PURPOSE: DELETE A RECORD FROM CATEGORY_MEMBER
LANGUAGE: C
SOURCE FILE: DELCM
SOURCE FILE TYPE: PC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL


DESCRIPTION:
------------
               WHERE RC_NO =: "INPUT PARAMETER 1" ;

SYNOPSIS
     C          --   DELCM(&RC_NO,&STATUS)
     COBOL      --   CALL "DELCM"   USING
                                    RC-NO,
                                    STATUS.
     FORTRAN    --   CALL DELCM(RCNO,STATUS)
INPUT:
     INT  *RC_NO ;
OUTPUT:
     INT  *STATUS ;
DESCRIPTION:
     THIS ROUTINE USES ORACLE CALLS TO DELETE A RECORD FROM
CATEGORY_MEMBER
     WHERE RC_NO = "INPUT PARAMETER 1".
     IF SUCCESSFULLY DELETED THE RECORD , THE STATUS AND
RETURN VALUE BOTH
     WILL BE 0 , OTHERWISE -1.
REWRITTEN TO PRO*C DUE TO PROBLEM WITH SQL*FORMS AND HLI
INTERFACE


ARGUMENTS:
----------
RC_NO                                  INT *
STATUS                                 INT *

ROUTINES CALLED:
----------------
SQLSCA
SQLBS2
SQLSCH
SQLSCC
SQLTFL
SQLOPN
SQLOSQ
SQLAB2
SQLEXE
SQLWNR
ERRRPT
```

DOCGROUP PS41100 Module Documentation

```
NAME: DELCM1
PURPOSE: DELETE A SPECIFIC RECORD FROM CATEGORY_MEMBER
LANGUAGE: C
SOURCE FILE: DELCM1
SOURCE FILE TYPE: PC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:
------------
                WHERE RC_NO =: "INPUT PARAMETER 1" ;
                      EC_NO =: "INPUT PARAMETER 2"
SYNOPSIS
     C          --    DELCM1(&RC_NO,&EC_NO,&STATUS)
     COBOL      --    CALL "DELCM1"   USING
                                       RC-NO,
                                       EC-NO,
                                       STATUS.
     FORTRAN    --    CALL DELCM1(RCNO,ECNO,STATUS)
INPUT:
     INT   *RC_NO ;
     INT   *EC_NO ;
OUTPUT:
     INT   *STATUS ;
DESCRIPTION:
     THIS ROUTINE USES ORACLE CALLS TO DELETE A RECORD FROM
CATEGORY_MEMBER
     WHERE RC_NO = "INPUT PARAMETER 1".
     IF SUCCESSFULLY DELETED THE RECORD , THE STATUS AND
RETURN VALUE BOTH
     WILL BE 0 , OTHERWISE -1.
REWRITTEN TO PRO*C DUE TO PROBLEM WITH SQL*FORMS AND HLI
INTERFACE

ARGUMENTS:
----------
RC_NO                                   INT *
EC_NO                                   INT *
STATUS                                  INT *

ROUTINES CALLED:
----------------
SQLSCA
SQLBS2
SQLSCH
SQLSCC
SQLTFL
SQLOPN
SQLOSQ
SQLAB2
SQLEXE
SQLWNR
ERRRPT
```

DOCGROUP PS41100 Module Documentation

```
NAME: DELCMP
PURPOSE: DELETE A COMPLEX MAPPING ALGORITHM
LANGUAGE: C
SOURCE FILE: DELCMP
SOURCE FILE TYPE: PC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:
------------
SYNOPSIS
     C          -- DELCMP(MOD_ID, RETR_UPDATE,MOD_INST, STATUS)

     COBOL      --    CALL "DELCMP"        USING
                                           MOD-ID,
                                           RETR-UPDATE,
                                           MOD-INSTANCE,
                                           RET-STATUS.
     FORTRAN    --    CALL  DELCMP
(MOD-ID,RETR-UPDATE,MOD-INST,STATUS)
INPUT:
      MOD_ID
      RETR-UPDATE
      MOD_INST
OUTPUT:
       STATUS
DESCRIPTION
    THIS ROUTINE USES AN ORACLE SEQUEL CALL TO DELETE
    A COMPLEX MAPPING ALGORITHM.
    IF SUCCESSFUL, THE STATUS WILL BE 0.
REWRITTEN TO PRO*C DUE TO PROBLEM WITH SQL*FORMS AND HLI
INTERFACE

ARGUMENTS:
----------
MOD_ID                                  CHAR *
RETR_UPDATE                             CHAR *
MOD_INST                                INT *
STATUS                                  INT *


ROUTINES CALLED:
----------------
STRNCPY
SQLSCA
SQLBS2
SQLSCH
SQLSCC
SQLTFL
SQLOPN
SQLOSQ
SQLAB2
SQLEXE
SQLWNR
ERRRPT
```

DOCGROUP PS41100 Module Documentation

```
NAME: DELCMPR
PURPOSE: DELETE A RECORD FROM COMPLETE_RELATION
LANGUAGE: C
SOURCE FILE: DELCMPR
SOURCE FILE TYPE: PC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL


DESCRIPTION:
------------
                  WHERE KC_NO := "INPUT PARAMETER 2" ;
SYNOPSIS
     C          --    DELCMPR(&KC_NO, &STATUS)

     COBOL      --    CALL "DELCMPR"  USING
                                      KC-NO,
                                      STATUS.
     FORTRAN    --    CALL DELCMPR(KCNO,STATUS)
INPUT:
     INT  *KC_NO ;
OUTPUT:
     INT  *STATUS ;
DESCRPIPTION:
     THIS ROUTINE USES ORACLE CALLS TO DELETE A RECORD FROM
     COMPLETE_RELATION WHERE KC_NO EQUALS TO "INPUT PARAMETER
1".
     IF SUCCESSFULLY DELETED THE RECORD , THE STATUS AND
RETURN VALUE BOTH
     WILL BE 0 , OTHERWISE -1.
REWRITTEN TO PRO*C DUE TO PROBLEM WITH SQL*FORMS AND HLI
INTERFACE


ARGUMENTS:
----------
KC_NO                                  INT *
STATUS                                 INT *

ROUTINES CALLED:
----------------
SQLSCA
SQLBS2
SQLSCH
SQLSCC
SQLTFL
SQLOPN
SQLOSQ
SQLAB2
SQLEXE
SQLWNR
ERRRPT
```

DOCGROUP PS41100 Module Documentation

```
NAME: DELCPRC
PURPOSE: DELETE A RECORD FROM COMPLETE_RELATION
LANGUAGE: C
SOURCE FILE: DELCPRC
SOURCE FILE TYPE: PC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:
------------
                  WHERE RC_NO := "INPUT PARAMETER 1" ;
SYNOPSIS
     C          --   DELCPRC(&RC_NO, &STATUS)

     COBOL      --   CALL "DELCPRC"  USING
                                     RC-NO,
                                     STATUS.
     FORTRAN    --   CALL DELCPRC(RCNO,STATUS)
INPUT:
     INT  *RC_NO ;
OUTPUT:
     INT  *STATUS ;
DESCRPIPTION:
     THIS ROUTINE USES ORACLE CALLS TO DELETE A RECORD FROM
     COMPLETE_RELATION WHERE RC_NO EQUALS TO "INPUT PARAMETER
1".
     IF SUCCESSFULLY DELETED THE RECORD , THE STATUS AND
RETURN VALUE BOTH
     WILL BE 0 , OTHERWISE -1.
REWRITTEN TO PRO*C DUE TO PROBLEM WITH SQL*FORMS AND HLI
INTERFACE

ARGUMENTS:
----------
RC_NO                                  INT *
STATUS                                 INT *

ROUTINES CALLED:
----------------
SQLSCA
SQLBS2
SQLSCH
SQLSCC
SQLTFL
SQLOPN
SQLOSQ
SQLAB2
SQLEXE
SQLWNR
ERRRPT
```

DOCGROUP PS41100 Module Documentation

```
NAME: DELCR
PURPOSE: DELETE A RECORD FROM CATEGORY_RELATION
LANGUAGE: C
SOURCE FILE: DELCR
SOURCE FILE TYPE: PC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL


DESCRIPTION:
------------
                WHERE RC_NO =: "INPUT PARAMETER 1" ;

SYNOPSIS
     C          --   DELCR(&RC_NO,&STATUS)
     COBOL      --   CALL "DELCR"   USING
                                    RC-NO,
                                    STATUS.
     FORTRAN    --   CALL DELCR(RCNO,STATUS)
INPUT:
     INT  *RC_NO ;
OUTPUT:
     INT  *STATUS ;
DESCRIPTION:
    THIS ROUTINE USES ORACLE CALLS TO DELETE A RECORD FROM
CATEGORY_RELATION
     WHERE RC_NO = "INPUT PARAMETER 1".
     IF SUCCESSFULLY DELETED THE RECORD , THE STATUS AND
RETURN VALUE BOTH
     WILL BE 0 , OTHERWISE -1.
REWRITTEN TO PRO*C DUE TO PROBLEM WITH SQL*FORMS AND HLI
INTERFACE


ARGUMENTS:
----------
RC_NO                                  INT *
STATUS                               INT *

ROUTINES CALLED:
----------------
SQLSCA
SQLBS2
SQLSCH
SQLSCC
SQLTFL
SQLOPN
SQLOSQ
SQLAB2
SQLEXE
SQLWNR
ERRRPT
```

DOCGROUP PS41100 Module Documentation

```
NAME: DELCRIP
PURPOSE: DELETE CATEGORY RELATION WITH RIPPLE
LANGUAGE: C
SOURCE FILE: DELCRIP
SOURCE FILE TYPE: PC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:
------------
SYNOPSIS
     C          --   DELCRIP(&GEN_EC_NO,&RTN_STATUS)
     COBOL      --   CALL "DELCRIP"       USING
                                           GEN-EC-NO
                                           RTN-STATUS.
     FORTRAN    --   CALL  DELCRIP (GENECNO,RTNSTATUS)
INPUT:   INT *GEN_EC_NO
OUTPUT:  INT *RTN_STATUS
DESCRIPTION THIS ROUTINE USES AN ORACLE SELECT STATEMENT TO
RETRIEVE ALL CATEGORY RELATIONS GIVEN A ENTITY NUMBER.  ROUTINE IS
CALLED WHICH, FOR EACH NEW CATEGORY RELATION NUMBER SELECTED,
DELETES CATEGORY RELATION AND CATEGORY MEMBER.
    THIS WILL EMULATE THE ORACLE SQL COMMAND:
       SELECT CATMEM.EC_NO FROM CATMEM, CATREL
          WHERE CATREL.EC_NO = :GEN_EC_NO_SQL AND
                CATREL.RC_NO = CATMEM.RC_NO ;

ARGUMENTS:
----------
GEN_EC_NO                          INT *
RTNSTA                             INT *

INCLUDE FILES:
--------------
STDIO
CSTDTYP
UNIQENO
EOD

ROUTINES CALLED:
----------------
SQLSCA
SQLBS2
SQLSCH
SQLSCC
PRINTF
FREGECLST
ERRRPT
DRPCRE1
SPRINTF
UERROR
SQLAD2
SQLFCH
SQLTOC
SQLOSQ
INSGECLST
```

DOCGROUP PS41100 Module Documentation

NAME: INSGECLST
PURPOSE:
LANGUAGE: C
SOURCE FILE: DELCRIP
SOURCE FILE TYPE: PC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

INCLUDE FIIES:

STDIO
CSTDTYP
UNIQENO
EOD

ROUTINES CALLED:

MALLOC

DOCGROUP PS41100 Module Documentation

NAME: FREGECLST
PURPOSE:
LANGUAGE: C
SOURCE FILE: DELCRIP
SOURCE FILE TYPE: PC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

ARGUMENTS:

DEL_NODE TAGUSED *

INCLUDE FILES:

STDIO
CSTDTYP
UNIQENO
EOD

ROUTINES CALLED:

PRINTF
FREGECLST
FREE

DOCGROUP PS41100 Module Documentation

```
NAME: DELCRP1
PURPOSE: DELETE CATEGORY RELATION WITH RIPPLE WHERE
LANGUAGE: C
SOURCE FILE: DELCRP1
SOURCE FILE TYPE: PC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:
------------  DISCRIMINATING ATTRIBUTE EQUALS TAG-NO
SYNOPSIS
     C          --   DELCRP1(&TAG_NO,&RTN_STATUS)
     COBOL      --   CALL "DELCRP1"       USING
                                           TAG-NO
                                           RTN-STATUS.
     FORTRAN    --   CALL  DELCRP1 (TAGNO,RTNSTATUS)
INPUT:  INT *TAG_NO
OUTPUT: INT *RTN_STATUS
DESCRIPTION
 THIS ROUTINE USES AN ORACLE SELECT STATEMENT TO RETRIEVE ALL
     CATEGORY RELATIONS GIVEN A TAG NUMBER.  ROUTINE IS CALLED
     WHICH, FOR EACH NEW CATEGORY RELATION NUMBER SELECTED,
DELETESCATEGORY RELATION AND CATEGORY MEMBER.
    THIS WILL EMULATE THE ORACLE SQL COMMAND:
       SELECT CATMEM.EC_NO FROM CATMEM, CATREL
          WHERE CATREL.TAG_NO = :TAG_NO_SQL ;

ARGUMENTS:
----------
TAG_NO                                INT *
RTN_STATUS                            INT *

INCLUDE FILES:
--------------
STDIO
CSTDTYP
UNIQENO
EOD

ROUTINES CALLED:
----------------
SQLSCA
SQLBS2
SQLSCH
SQLSCC
SQLCLS
ERRRPT
SQLAD2
SQLFCH
DELCRIP
SPRINTF
UERROR
SQLTOC
SQLOSQ
SQLAB2
SQLEXE
```

DOCGROUP PS41100 Module Documentation

```
NAME: DELDAA1
PURPOSE: DELETE A RECORD FROM DB_AREA_ASSIGNMENT ENITY
LANGUAGE: C
SOURCE FILE: DELDAA1
SOURCE FILE TYPE: PC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL


DESCRIPTION:
------------
SYNOPSIS
     C          --    DELDAA1(&DB_ID,&STATUS)

     COBOL      --    CALL "DELDAA1" USING
                                     DB-ID,
                                     STATUS.
     FORTRAN    --    CALL DELDAA1(DBID,STATUS)
INPUT:
     INT  *DB_ID ;
OUTPUT:
     INT  *STATUS ;
DESCRPIPTION:
     THIS ROUTINE USES ORACLE CALLS TO DELETE A RECORD FROM
     DB_AREA_ASSIGNMENT. IF SUCCESSFULLY DELETED THE RECORD ,
THE STATUS
     AND RETURN VALUE BOTH WILL BE 0 , OTHERWISE -1.
REWRITTEN TO PRO*C DUE TO PROBLEM WITH SQL*FORMS AND HLI
INTERFACE


ARGUMENTS:
----------
DB_ID                                  INT *
STATUS                                 INT *

ROUTINES CALLED:
----------------
SQLSCA
SQLBS2
SQLSCH
SQLSCC
SQLTFL
SQLOPN
SQLOSQ
SQLAB2
SQLEXE
SQLWNR
ERRRPT
```

DOCGROUP PS41100 Module Documentation

```
NAME: DELDAA2
PURPOSE: DELETE A RECORD FROM DB_AREA_ASSIGNMENT ENITY
LANGUAGE: C
SOURCE FILE: DELDAA2
SOURCE FILE TYPE: PC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL


DESCRIPTION:
------------
SYNOPSIS
     C          --   DELDAA2(&DB_ID, &RT_ID, &STATUS)

     COBOL      --   CALL "DELDAA2" USING
                                    DB-ID,
                                    RT-ID,
                                    STATUS.
     FORTRAN    --   CALL DELDAA2(DBID, RTID, STATUS)
INPUT:
     INT  *DB_ID ;
     CHAR *RT_ID ;
OUTPUT:
     INT  *STATUS ;
DESCRPIPTION:
     THIS ROUTINE USES ORACLE CALLS TO DELETE A RECORD FROM
     DB_AREA_ASSIGNMENT, IF SUCCESSFULLY DELETED THE RECORD ,
THE STATUS
     AND RETURN VALUE BOTH WILL BE 0 , OTHERWISE -1.
REWRITTEN TO PRO*C DUE TO PROBLEM WITH SQL*FORMS AND HLI
INTERFACE


ARGUMENTS:
----------
DB_ID                                   INT *
RT_ID                                   CHAR *
STATUS                                  INT *

ROUTINES CALLED:
----------------
STRNCPY
SQLSCA
SQLBS2
SQLSCH
SQLSCC
SQLTFL
SQLOPN
SQLOSQ
SQLAB2
SQLEXE
SQLWNR
ERRRPT
```

DOCGROUP PS41100 Module Documentation

```
NAME: DELDBA1
PURPOSE: DELETE A RECORD FROM DATA_BASE_AREA ENITY
LANGUAGE: C
SOURCE FILE: DELDBA1
SOURCE FILE TYPE: PC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL


DESCRIPTION:
------------
SYNOPSIS
     C          --    DELDBA1(&DB_ID,&STATUS)

     COBOL      --    CALL "DELDBA1" USING
                                     DB-ID,
                                     STATUS.
     FORTRAN    -    CALL DELDBA1(DBID,STATUS)
INPUT:
     INT  *DB_ID ;
OUTPUT:
     INT  *STATUS ;
DESCRPIPTION:
     THIS ROUTINE USES ORACLE CALLS TO DELETE A RECORD FROM
DATA_BASE_AREA
     IF SUCCESSFULLY DELETED THE RECORD , THE STATUS AND
RETURN VALUE BOTH
     WILL BE 0 , OTHERWISE -1.
REWRITTEN TO PRO*C DUE TO PROBLEM WITH SQL*FORMS AND HLI
INTERFACE

ARGUMENTS:
----------
DB_ID                                  INT *
STATUS                                 INT *

ROUTINES CALLED:
----------------
SQLSCA
SQLBS2
SQLSCH
SQLSCC
SQLTFL
SQLOPN
SQLOSQ
SQIAB2
SQLEXE
SQLWNR
ERRRPT
```

DOCGROUP PS41100 Module Documentation

```
NAME: DELDBS1
PURPOSE: DELETE A RECORD FROM DATA_BASE ENITY
LANGUAGE: C
SOURCE FILE: DELDBS1
SOURCE FILE TYPE: PC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL


DESCRIPTION:
------------
SYNOPSIS
     C          --    DELDBS1(&DB_ID,&STATUS)

     COBOL      --    CALL "DELDBS1" USING
                                     DB-ID,
                                     STATUS.
     FORTRAN    --    CALL DELDBS1(DBID,STATUS)
INPUT:
     INT  *DB_ID ;
OUTPUT:
     INT  *STATUS ;
DESCRPIPTION:
     THIS ROUTINE USES ORACLE CALLS TO DELETE A RECORD FROM
DATA_BASE
     IF SUCCESSFULLY DELETED THE RECORD , THE STATUS AND
RETURN VALUE BOTH
     WILL BE 0 , OTHERWISE -1.
REWRITTEN TO PRO*C DUE TO PROBLEM WITH SQL*FORMS AND HLI
INTERFACE


ARGUMENTS:
----------
DB_ID                                   INT *
STATUS                                  INT *

ROUTINES CALLED:
----------------
SQLSCA
SQLBS2
SQLSCH
SQLSCC
SQLTFL
SQLOPN
SQLOSQ
SQLAB2
SQLEXE
SQLWNR
ERRRPT
```

DOCGROUP PS41100 Module Documentation

```
NAME: DELDFL2
PURPOSE: CONTROLS THE DELETING OF DATA FIELDS
LANGUAGE: C
SOURCE FILE: DELDFL2
SOURCE FILE TYPE: PC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL


DESCRIPTION:
------------
THAT BELONGED TO THE DELETED RECORD.THIS PROCESS WILL LOOP FOR
EACH DATA FIELD AND DELETE THE TEXT DESCRIPTIONS, THE DATA
FIELD AND CAPTURE THE DATA FIELD NUMBERS FOR REUSABLE NUMBER.
SYNOPSIS
     C          --   DELDFL2(&DB_ID, &RT_ID, &STATUS)
     COBOL      --   CALL "DELDFL2" USING
                                    DB-ID,
                                    RT-ID,
                                    STATUS.
     FORTRAN    --   CALL DELDFL2(DBID, RTID, STATUS)
INPUT:     INT  *DB_ID ;
     CHAR *RT_ID ;
OUTPUT:    INT  *STATUS ;
DESCRPIPTION:REWRITTEN TO PRO*C DUE TO PROBLEM WITH SQL*FORMS AND
HLI INTERFACE

ARGUMENTS:
----------
DB_ID                                   INT *
RT_ID                                   CHAR *
STATUS                                  INT *

INCLUDE FILES:
--------------
EOD
UNIQENO

ROUTINES CALLED:
----------------
STRNCPY
SQLSCA
SQLBS2
SQLSCH
SQLSCC
SQLCLS
ERRRPT
SQLAD2
SQLFCH
DELTEXT
DRPDF
ADDRNUM
SQLTOC
SQLOSQ
SQLAB2
SQLEXE
```

DOCGROUP PS41100 Module Documentation

```
NAME: DELDFL3
PURPOSE: DELETE A RECORD FROM DATA_FIELD ENITY
LANGUAGE: C
SOURCE FILE: DELDFL3
SOURCE FILE TYPE: PC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL


DESCRIPTION:
------------
SYNOPSIS
     C          --   DELDFL3(&DB_ID, &RT_ID, &DF_ID, &STATUS)

     COBOL      --   CALL "DELDFL3" USING
                                    DB-ID,
                                    RT-ID,
                                    DF-ID,
                                    STATUS.
     FORTRAN    --   CALL DELDFL3(DBID, RTID, DFID, STATUS)
INPUT:
     INT  *DB_ID ;
     CHAR *RT_ID ;
     CHAR *DF_ID ;
OUTPUT:
     INT  *STATUS ;
DESCRPIPTION:
     THIS ROUTINE USES ORACLE CALLS TO DELETE A RECORD FROM
DATA_FIELD
     IF SUCCESSFULLY DELETED THE RECORD , THE STATUS AND
RETURN VALUE BOTH
     WILL BE 0 , OTHERWISE -1.
REWRITTEN TO PRO*C DUE TO PROBLEM WITH SQL*FORMS AND HLI
INTERFACE

ARGUMENTS:
----------
DB_ID                                   INT *
RT_ID                                   CHAR *
DF_ID                                   CHAR *
STATUS                                  INT *

ROUTINES CALLED:
----------------
STRNCPY
SQLSCA
SQLBS2
SQLSCH
SQLSCC
SQLTFL
SQLOPN
SQLOSQ
SQLAB2
SQLEXE
SQLWNR
ERRRPT
```