Document Number: GRIS-DBDD
Revision: -
Date: 20 August 1996

DATABASE DESIGN DOCUMENT (DBDD) FOR GLOBAL COMMAND AND CONTROL SYSTEM (GCCS) RECONNAISSANCE INFORMATION SYSTEM DATABASE (GRISDB)

CONTRACT NO. N00039-95-C-0001
CDRL SEQUENCE NO. A013

Sponsor:

Ms. Anita Washington
Space and Naval Warfare Systems Command
2451 Crystal Drive, CPK5
Arlington, VA 22245-5200

Prepared By PRC, Inc.
1500 PRC Drive
McLean, VA 22102

And

Defense Information Systems Agency
Joint Interoperability & Engineering Organization
Center for Computer Systems Engineering

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1. Scope

1.1 Identification : This document applies to the GCCS application GRIS. This application is divided into two segments : GRIS, the aplication segment and GRISDB, the database segment. The current versions of these segments are 2.3 and 1.0, respectively.

1.2 Database Overview: This database is designed to store and retreive data pertaining to the scheduling and monitoring of reconnaisaince flights in near-real time. It is updated through AUTODIN message traffic. The system allows users to query the database and produce various reports to help them in the scheduling of these reconnaisaince flights. In previous versions of GRIS, the database had been maintained as a series of “flat-files.” GRISDB version 1.0 is a result of converting this flat-file architecture into a relational database architecture. GRIS was written by Andrulis Research Corporation. The database was developed jointly by PRC and the Command and Control Applicaions Team (C2 Apps) of the Application Engineering Facility (AEF) of the Center for Computer Systems Engineering (CFCSE) of the Defense Information Systems Agency (DISA).

1.3 Document Overview: This document details the structure and functions of the GRIS database.

2. Referenced Documents

A14530-1, *Programmer's Guide to the Oracle Call Interface*, Release 7.1, April 1994

3. Database-wide design decisions

a. GRIS was designed to be installed on an Oracle7 database server. Oracle specific (non-ANSI standard) data types were used in the design. The target environment was Sun Solaris version 2.3.

b. The database itself was designed to reside in a GRIS specific schema. An Oracle role is created so that access to this schema can be granted to any user who needs access to the database. This role provides the appropriate access to different tables within the schema.

c. Primary Keys were created for most tables, and indexes were added where deemed appropriate for performance enhancement.

4. Detailed Deisgn of the Database

4.1 Overview : In an effort to minimize time and effort to migrate the “flat-file” system of previous versions of GRIS to this Oracle version, the Oracle database was designed so that

minimal changes to the non-database parts of GRIS were needed. As a result, the Oracle database reflects the design of the “flat-file” system.

4.2 Logical Database Design : The database contains 4 types of tables. They are...

A. Database Tables

These tables contain the main information stored by the system. Each row of these tables represents an individual item in the database. Each of these items has one column called ID which links that item with any auxialiary information assosiated with that item. This auxilliary information is stored in the Auxialiary Tables. Also, some columns of an item can refer to codes listed in the Codes Tables.

b. Auxilliary Tables

These tables contain auxialiary information about rows in the Database Tables. Each row contains a column called ID which refers to the item in the Database Table to which it is attached.

c. Code Tables

These tables associate relatively persistent items within GRIS (such as Countries, ICAO, etc.) With a set of attributes. Each item has an integer associated with it that allows items within either Database Tables or Auxilary Tables to reference it.

d. Administrative Tables :

These are various other tables used for administration of the database.

See Appendix A for the entity relationship diagram for the database.

4.3 Physical Database Design

See appendix B for descriptions of the tables. See Appendix C for descriptions of data elements.

5. Design of software units used for database access or manipualtion.

5.1 Database Access

a. To log on to the Oracle database, GRIS relies on $OPS accounts. This prevents the user from having to log onto Oracle as well as the operating system. After logging on, the user accesses the GRIS data by explicitely referencing objects in the GRIS schema.

b. The interface between the Ada 83 code and the Oracle database was accomplished through the use of OCIs (Oracle Call Interface.) This approach, in effect bypasses the preprocessing stage that must be executed if the embedded SQL approach is used. It was chosen because it allows more flexibility in designing generic database interfaces and in handling queries that are not known until run time.

5.2 Controlling Database behavior

There are several configuration values which will crontrol the behavior of the GRIS application with respect to the database. These are listed in Appendix D.

6. Requirements Traceability.

No formal requirements were developed for the GRIS database.

7. Notes

Acronyms used in this document

Acronym	Meaning
GRIS	Global Reconnaissance Information System
GRISDB	Global Reconnassance Information System Database
DBDD	Database Design Document
GCCS	Global Command and Control System
OCI	Oracle Call Interface
DISA	Defense Information Systems Agency
AEF	Applications Engineering Facility
C2 APS	Command and Control Applications Team

Appendix A - Entity Relationship diagram

Appendix B - Table Descriptions

Code Table - ADDRESS

This table store PLAs that GRIS recognizes

ADDRESS.ABBREVIATION	VARCHAR2(3)
ADDRESS.ID	NUMBER(10)
ADDRESS.NAME	VARCHAR2(50)

Code Table - AIRCRAFT

This table stores the aircraft types that GRIS recognizes.

AIRCRAFT.ID	NUMBER(10)
AIRCRAFT.MISSION_DESIGN_SERIES	VARCHAR2(6)
AIRCRAFT.SERVICE_CODES	VARCHAR2(18)

Code table - CHANNEL

This table stores the radio frequencies that GRIS recognizes.

CHANNEL.ID	NUMBER(10)
CHANNEL.RADIO_FREQUENCY	VARCHAR2(5)

Code Table - COUNTRY

This table stores the country codes that GRIS recognizes.

COUNTRY.ABBREVIATION	VARCHAR2(4)
COUNTRY.COUNTRY_CODE	VARCHAR2(2)
COUNTRY.DESCRIPTIVE_NAME	VARCHAR2(42)
COUNTRY.ID	NUMBER(10)

Code table - EVENT

This table stores the events that can be used as part of a track.

EVENT.ABBREVIATED_DESCRIPTION	VARCHAR2(12)
EVENT.DESCRIPTION	VARCHAR2(42)
EVENT.EVENT_CODE	VARCHAR2(2)
EVENT.ID	NUMBER(10)

Code Table - GEO_AREA

This table staore the geographic location codes used by GRIS.

GEO_AREA.ABBREVIATION	VARCHAR2(2)
GEO_AREA.DESCRIPTION	VARCHAR2(30)
GEO_AREA.GEOGRAPHIC_AREA_CODE	VARCHAR2(4)
GEO_AREA.ID	NUMBER(10)

Code table - ICAO

This table stores the ICAO codes used by GRIS.

ICAO.COUNTRY_CODE	VARCHAR2(2)
ICAO.DESCRIPTIVE_NAME	VARCHAR2(18)
ICAO.GEOGRAPHIC_COORDINATES	VARCHAR2(11)
ICAO.ICAO_CODE	VARCHAR2(4)
ICAO.ID	NUMBER(10)

Database Table - INCOMING_MESSAGE

This table stores all te incoming messages for GRIS. They reamin in the table until deleted by the users. Depending on the type of message, not al the fields will have values.

INCOMING_MESSAGE.ADDRESSEE	NUMBER(6)
INCOMING_MESSAGE.COMPOSITE_KEY	VARCHAR2(16)
INCOMING_MESSAGE.DATE_TIME_GROUP	VARCHAR2(15)
INCOMING_MESSAGE.ERROR_CODE	NUMBER(1)
INCOMING_MESSAGE.ID	NUMBER(10)
INCOMING_MESSAGE.MESSAGE_STATE	NUMBER(1)
INCOMING_MESSAGE.MESSAGE_TYPE	NUMBER(1)
INCOMING_MESSAGE.MISSION_ID	VARCHAR2(6)
INCOMING_MESSAGE.PERIOD	VARCHAR2(15)
INCOMING_MESSAGE.PRIMARY_PROGRAM	NUMBER(6)
INCOMING_MESSAGE.PRIMARY_TRACK_ID	VARCHAR2(6)
INCOMING_MESSAGE.QUATERNARY_TRACK_ID	VARCHAR2(6)
INCOMING_MESSAGE.QUINARY_TRACK_ID	VARCHAR2(6)
INCOMING_MESSAGE.SECONDARY_PROGRAM	NUMBER(6)
INCOMING_MESSAGE.SECONDARY_TRACK_ID	VARCHAR2(6)
INCOMING_MESSAGE.TERTIARY_PROGRAM	NUMBER(6)
INCOMING_MESSAGE.TERTIARY_TRACK_ID	VARCHAR2(6)
INCOMING_MESSAGE.TRANSACTION_TYPE	NUMBER(2)
INCOMING_MESSAGE.UNIT	VARCHAR2(18)
INCOMING_MESSAGE.VERSION	NUMBER(10)
INCOMING_MESSAGE.VERSION_NUMBER	NUMBER(2)

Auxilliary Table - MESSAGE_HEADER

This table stores header information for a message.

MESSAGE_HEADER.ACTION_DATE	VARCHAR2(15)
MESSAGE_HEADER.ACTION_PRECEDENCE	NUMBER(1)
MESSAGE_HEADER.CLASSIFICATION	NUMBER(1)
MESSAGE_HEADER.CLASSIFICATION_LINE_COMMENT	VARCHAR2(50)
MESSAGE_HEADER.FROM_ADDRESSEE	NUMBER(6)
MESSAGE_HEADER.FUTURE_CLASSIFICATION	NUMBER(1)
MESSAGE_HEADER.ID	NUMBER(10)
MESSAGE_HEADER.INFO_PRECEDENCE	NUMBER(1)
MESSAGE_HEADER.MESSAGE_HEADER_ID	NUMBER(1)
MESSAGE_HEADER.OADR	NUMBER(1)
MESSAGE_HEADER.VERSION	NUMBER(10)

Auxilliary Table - MESSAGE_HEADER_ADDRESSEE

This table stores the addressees for a message header.

MESSAGE_HEADER_ADDRESSEE.ADDRESSEE	NUMBER(6)
MESSAGE_HEADER_ADDRESSEE.ADDRESSEE_TYPE	NUMBER(1)
MESSAGE_HEADER_ADDRESSEE.ID	NUMBER(10)
MESSAGE_HEADER_ADDRESSEE.LOCATION	NUMBER(10)

Database table - MESSAGE_LOCK

This table will only contain 1 row.

MESSAGE_LOCK.ID	NUMBER(10)
MESSAGE_LOCK.STATUS	VARCHAR2(12)
MESSAGE_LOCK.VERSION	NUMBER(10)

Database table - MISSION

This table stores all the mission information.

MISSION.ACTUAL_ARRIVAL_ICAO	NUMBER(6)
MISSION.ACTUAL_ARRIVAL_LAT_LONG	VARCHAR2(11)
MISSION.ACTUAL_ARRIVAL_TIME	VARCHAR2(15)
MISSION.ACTUAL_ASSESSMENT	VARCHAR2(4)
MISSION.ACTUAL_DEPARTURE_ICAO	NUMBER(6)
MISSION.ACTUAL_DEPARTURE_LAT_LONG	VARCHAR2(11)
MISSION.ACTUAL_DEPARTURE_TIME	VARCHAR2(15)
MISSION.ACTUAL_TRACK_ID	VARCHAR2(6)
MISSION.ADDED_MISSION	NUMBER(1)
MISSION.AGENCY	NUMBER(1)
MISSION.AIRCRAFT_TYPE	NUMBER(6)
MISSION.AKAC_LINE_NUMBER	VARCHAR2(11)
MISSION.ARRIVAL_TIME	VARCHAR2(15)
MISSION.CALLSIGN	VARCHAR2(16)
MISSION.COORDINATED_MISSIONS	NUMBER(5)
MISSION.DEPARTURE_ICAO	NUMBER(6)
MISSION.DEPARTURE_TIME	VARCHAR2(15)
MISSION.ERRORS	VARCHAR2(38)
MISSION.ID	NUMBER(10)
MISSION.MISSION_ID	VARCHAR2(6)
MISSION.NICKNAME_ID	NUMBER(6)
MISSION.NUMBER_OF_AIRCRAFT	NUMBER(1)

MISSION.PERIOD	VARCHAR2(15)
MISSION.PRIMARY_AREA	NUMBER(6)
MISSION.PRIMARY_PURPOSE	NUMBER(6)
MISSION.PRIMARY_TARGET	NUMBER(6)
MISSION.REASON_CAUSE	NUMBER(6)
MISSION.RELAUNCHED_MISSION	NUMBER(1)
MISSION.SCHEDULED_ARRIVAL_ICAO	NUMBER(6)
MISSION.SCHEDULED_ARRIVAL_LAT_LONG	VARCHAR2(11)
MISSION.SCHEDULED_ARRIVAL_TIME	VARCHAR2(15)
MISSION.SCHEDULED_ASSESSMENT	VARCHAR2(4)
MISSION.SCHEDULED_DEPARTURE_LAT_LONG	VARCHAR2(11)
MISSION.SCHEDULED_DEPARTURE_ICAO	NUMBER(6)
MISSION.SCHEDULED_DEPARTURE_TIME	VARCHAR2(15)
MISSION.SCHEDULED_TRACK_ID	VARCHAR2(6)
MISSION.SCHEDULING	NUMBER(1)
MISSION.SECONDARY_AREA	NUMBER(6)
MISSION.SECONDARY_PURPOSE	NUMBER(6)
MISSION.SECONDARY_TARGET	NUMBER(6)
MISSION.STATUS_RESULT	NUMBER(2)
MISSION.TERTIARY_AREA	NUMBER(6)
MISSION.TERTIARY_TARGET	NUMBER(6)
MISSION.TRACK_ID	VARCHAR2(6)
MISSION.VERSION	NUMBER(10)
MISSION.WATCH_REMARK	VARCHAR2(69)

Auxilliary Table - MISSION_MESSAGE

This table stores the message information for each mission.

MISSION_MESSAGE.ACTUAL_ARRIVAL_ICAO	NUMBER(6)
MISSION_MESSAGE.ACTUAL_ARRIVAL_LAT_LONG	VARCHAR2(11)
MISSION_MESSAGE.ACTUAL_ARRIVAL_TIME	VARCHAR2(15)
MISSION_MESSAGE.ACTUAL_ASSESSMENT	VARCHAR2(4)
MISSION_MESSAGE.ACTUAL_DEPARTURE_ICAO	NUMBER(6)
MISSION_MESSAGE.ACTUAL_DEPARTURE_LAT_LONG	VARCHAR2(11)
MISSION_MESSAGE.ACTUAL_DEPARTURE_TIME	VARCHAR2(15)
MISSION_MESSAGE.ACTUAL_TRACK_ID	VARCHAR2(6)
MISSION_MESSAGE.ADDRESSEE	NUMBER(6)
MISSION_MESSAGE.DATE_TIME_GROUP	VARCHAR2(15)
MISSION_MESSAGE.ID	NUMBER(10)
MISSION_MESSAGE.LOCATION	NUMBER(10)
MISSION_MESSAGE.MESSAGE_TYPE	NUMBER(1)
MISSION_MESSAGE.SCHEDULED_ARRIVAL_ICAO	NUMBER(6)
MISSION_MESSAGE.SCHEDULED_ARRIVAL_LAT_LONG	VARCHAR2(11)
MISSION_MESSAGE.SCHEDULED_ARRIVAL_TIME	VARCHAR2(15)
MISSION_MESSAGE.SCHEDULED_ASSESSMENT	VARCHAR2(4)
MISSION_MESSAGE.SCHEDULED_DEPARTURE_TIME	VARCHAR2(15)
MISSION_MESSAGE.SCHEDULED_DEPARTURE_ICAO	NUMBER(6)
MISSION_MESSAGE.SCHEDULED_DEPARTURE_LAT_LONG	VARCHAR2(11)

MISSION_MESSAGE.SCHEDULED_TRACK_ID	VARCHAR2(6)
MISSION_MESSAGE.TRANSACTION_TYPE	NUMBER(2)
MISSION_MESSAGE.VERSION_NUMBER	NUMBER(2)

Auxilliary table - MISSION_MESSAGE_REMARK

This table stores the remarks that come from mission messages.

MISSION_MESSAGE_REMARK.ID	NUMBER(10)
MISSION_MESSAGE_REMARK.LOCATION	NUMBER(10)
MISSION_MESSAGE_REMARK.MESSAGE_LOCATION	NUMBER(10)
MISSION_MESSAGE_REMARK.REASON_CAUSE	NUMBER(6)
MISSION_MESSAGE_REMARK.REMARK	VARCHAR2(69)
MISSION_MESSAGE_REMARK.REMARK_TYPE	NUMBER(1)

Database Table - NICKNAME

This table stores al the nickname information for GRIS. Each entry in the NICKNAME table should also have an entry in the PROGRAM table.

NICKNAME.AGENCY	NUMBER(1)
NICKNAME.COMPOSITE_KEY	VARCHAR2(10)
NICKNAME.EFFECTIVE_DTG	VARCHAR2(15)
NICKNAME.ID	NUMBER(10)
NICKNAME.INEFFECTIVE_DTG	VARCHAR2(15)
NICKNAME.NICKNAME_ID	NUMBER(6)
NICKNAME.PROGRAM_CODE	VARCHAR2(2)
NICKNAME.STATUS	NUMBER(1)
NICKNAME.TRACK_CODE	VARCHAR2(2)
NICKNAME.VERSION	NUMBER(10)

Database table - OUTGOING_MESSAGE

This table stores information about the last message sent of each message type GRIS can generate.

OUTGOING_MESSAGE.ID	NUMBER(10)
OUTGOING_MESSAGE.OUTGOING_MESSAGE_ID	NUMBER(1)
OUTGOING_MESSAGE.VERSION	NUMBER(10)

Code table - PROGRAM

This table stores nikcname information.

PROGRAM.ID	NUMBER(10)
PROGRAM.LONG_NICKNAME	VARCHAR2(18)
PROGRAM.MEDIUM_NICKNAME	VARCHAR2(8)
PROGRAM.OPERATIONAL_PLAN	VARCHAR2(7)
PROGRAM.SHORT_NICKNAME	VARCHAR2(3)

Code Table - PURPOSE

This tbale stores the various purposes used by GRIS.

PURPOSE.DESCRIPTION	VARCHAR2(42)
PURPOSE.ID	NUMBER(10)
PURPOSE.PURPOSE_CODE	VARCHAR2(2)

Code table - REASON

This table stores the reason/cause codes used by GRIS.

REASON.DESCRIPTION	VARCHAR2(42)
REASON.ID	NUMBER(10)
REASON.REASON_CAUSE_CODE	VARCHAR2(2)

Database Table - SECTIONAL_MESSAGE

This table stores sections of sectional messages that GRIS recieves so that it can recombine them when necessary.

SECTIONAL_MESSAGE.ADDRESSEE	NUMBER(6)
SECTIONAL_MESSAGE.DATE_TIME_GROUP	VARCHAR2(15)
SECTIONAL_MESSAGE.ID	NUMBER(10)
SECTIONAL_MESSAGE.SECTION_NUMBER	NUMBER(3)
SECTIONAL_MESSAGE.TOTAL_NUMBER_OF_SECTIONS	NUMBER(3)
SECTIONAL_MESSAGE.VERSION	NUMBER(10)

Administrative Table - SLICE

This table stores subsets of information of the database tables. GRIS performs its operations by creating a slice (or subset of information) and working eith that slice.

SLICE.ID	NUMBER(10)
SLICE.LOCATION	NUMBER(10)
SLICE.USER_ID	VARCHAR2(22)

Database table - STATUS_LOG

This table stores information about the status of GRIS. Particularly it stores messages that were recived in error and tracks expected messages for missions.

STATUS_LOG.ADDRESSEE_KEY	NUMBER(6)
STATUS_LOG.COMPOSITE_KEY	VARCHAR2(18)
STATUS_LOG.DATE_TIME_KEY	VARCHAR2(15)
STATUS_LOG.ID	NUMBER(10)
STATUS_LOG.MISSION_ID	VARCHAR2(6)
STATUS_LOG.PROGRAM	NUMBER(6)
STATUS_LOG.STATUS_LOG_ENTRY	VARCHAR2(76)
STATUS_LOG.TIME_STAMP	VARCHAR2(15)
STATUS_LOG.TRACK_ID	VARCHAR2(6)
STATUS_LOG.VERSION	NUMBER(10)
STATUS_LOG.VERSION_KEY	NUMBER(2)
STATUS_LOG.VIEWED	NUMBER(1)

Auxilliary Table - STRING_LIST

All text (more than one line) is stored in this table.

STRING_LIST.ID	NUMBER(10)
STRING_LIST.LOCATION	NUMBER(10)
STRING_LIST.TEXT	VARCHAR2(69)

Auxilliary Table - SUMMARY

This table stores strings that will be displayed on the Index screen for the main databases. Its sole purpose is to speed up the display of these indexes.

SUMMARY.ID	NUMBER(10)
SUMMARY.IMAGE	VARCHAR2(255)
SUMMARY.LOCATION	NUMBER(10)

Database table - TEXT

This table stores the headers, footers, etc. for many of the outgoing messages that GRIS generates.

TEXT.ID	NUMBER(10)
TEXT.TEXT_ID	NUMBER(2)
TEXT.VERSION	NUMBER(10)

Database table - TRACK

This table stores all the track information for GRIS.

TRACK.AGENCY	NUMBER(1)
TRACK.AIRCRAFT_TYPE	NUMBER(6)
TRACK.AKAC_LINE_NUMBER	VARCHAR2(11)
TRACK.AREA_TIME	NUMBER(4)
TRACK.ASSESSMENT	VARCHAR2(4)
TRACK.COMPOSITE_KEY	VARCHAR2(19)
TRACK.DATE_LAST_FLOWN	VARCHAR2(15)
TRACK.DATE_LAST_REVIEWED	VARCHAR2(15)
TRACK.DATE_LAST_UPDATED	VARCHAR2(15)
TRACK.HIGH_ALTITUDE	NUMBER(5)
TRACK.ID	NUMBER(10)
TRACK.LOW_ALTITUDE	NUMBER(5)
TRACK.MILITARY_SERVICE_DESIGNATION	NUMBER(1)
TRACK.NICKNAME_ID	NUMBER(6)
TRACK.OPERATING_UNIT	VARCHAR2(8)
TRACK.ORIGINATING_COUNTRY	NUMBER(6)
TRACK.PRIMARY_AREA	NUMBER(6)
TRACK.PRIMARY_PURPOSE	NUMBER(6)
TRACK.PRIMARY_TARGET	NUMBER(6)
TRACK.SECONDARY_AREA	NUMBER(6)
TRACK.SECONDARY_PURPOSE	NUMBER(6)
TRACK.SECONDARY_TARGET	NUMBER(6)

TRACK.TERTIARY_AREA	NUMBER(6)
TRACK.TERTIARY_TARGET	NUMBER(6)
TRACK.TRACK_APPROVAL_AUTHORITY	NUMBER(1)
TRACK.TRACK_DATE	VARCHAR2(15)
TRACK.TRACK_ID	VARCHAR2(6)
TRACK.TRACK_STATUS	NUMBER(1)
TRACK.TRACK_TIME	NUMBER(4)
TRACK.TRACK_TYPE	VARCHAR2(11)
TRACK.VERSION	NUMBER(10)

Database Table - TRACK_DICTIONARY_INFO

This is a holding area for the track dictionary report.

TRACK_DICTIONARY_INFO.CHANGE_NUMBER	NUMBER(2)
TRACK_DICTIONARY_INFO.ID	NUMBER(10)
TRACK_DICTIONARY_INFO.LOCATION	NUMBER(10)
TRACK_DICTIONARY_INFO.PAGE_NUMBER	VARCHAR2(8)
TRACK_DICTIONARY_INFO.PAGE_TYPE	NUMBER(2)
TRACK_DICTIONARY_INFO.PRINT_FLAG	NUMBER(1)

Auxilliary Table - TRACK_EVENT

Every track is a series of events and orbits. This table stores the events.

TRACK_EVENT.CLOSEST_POINT_OF_APPROACH	NUMBER(3)
TRACK_EVENT.COUNTRY	NUMBER(6)
TRACK_EVENT.EVENT	NUMBER(6)
TRACK_EVENT.HIGH_ALTITUDE	NUMBER(5)
TRACK_EVENT.ICAO	NUMBER(6)
TRACK_EVENT.ID	NUMBER(10)
TRACK_EVENT.LATITUDE_LONGITUDE	VARCHAR2(11)
TRACK_EVENT.LOCATION	NUMBER(10)
TRACK_EVENT.LOW_ALTITUDE	NUMBER(5)
TRACK_EVENT.SEQUENCE	NUMBER(4)
TRACK_EVENT.TIME_TO_CONTROL_POINT	NUMBER(3)

Auxilliary table - TRACK_ORBIT

Every track is a series of events and orbits. This table stores the orbits for a track.

TRACK_ORBIT.ID	NUMBER(10)
TRACK_ORBIT.LOCATION	NUMBER(10)
TRACK_ORBIT.NUMBER_OF_ORBITS	NUMBER(3)
TRACK_ORBIT.ORBIT_BEGINS	NUMBER(4)
TRACK_ORBIT.ORBIT_ENDS	NUMBER(4)
TRACK_ORBIT.SEQUENCE	NUMBER(4)

Administrative table - NUM_USERS

This table contains 1 row which shows the number of users on the database.

USERS.NUM_USERS	NUMBER(10)

Administrative table - VERSIONS

Stores the current version of each row the user has selected.

VERSIONS.ID	NUMBER(10)
VERSIONS.USER_ID	VARCHAR2(22)
VERSIONS.VERSION	NUMBER(10)

Appendix C - Data Element Descriptions

Table/Column Name :	ADDRESS.ABBREVIATION
Descriptive Name :	Address Abbreviation
Data Type :	VARCHAR2(3)
Definition : 3 Character code for PLA	
Notes :	

Table/Column Name :	ADDRESS.ID
Descriptive Name :	ID
Data Type :	NUMBER(10)
Definition : Unique identifier which relates information among tables.	
Notes :	

Table/Column Name :	ADDRESS.NAME
Descriptive Name :	Address Name
Data Type :	VARCHAR2(50)
Definition : Full PLA	
Notes :	

Table/Column Name :	AIRCRAFT.ID
Descriptive Name :	ID
Data Type :	NUMBER(10)
Definition : Unique identifier which relates information among tables.	
Notes :	

Table/Column Name :	AIRCRAFT.MISSION_DESIGN_SERIES
Descriptive Name :	Mission Design Series
Data Type :	VARCHAR2(6)
Definition : Name of the Aircraft.	
Notes :	

Table/Column Name :	AIRCRAFT.SERVICE_CODES
Descriptive Name :	Service Codes
Data Type :	VARCHAR2(18)
Definition : Name of the military service as a text string.	
Notes :	

Table/Column Name :	CHANNEL.ID
Descriptive Name :	ID
Data Type :	NUMBER(10)
Definition : Unique identifier which relates information among tables.	
Notes :	

Table/Column Name :	CHANNEL.RADIO_FREQUENCY
Descriptive Name :	Radio Frequency
Data Type :	VARCHAR2(5)
Definition : The radio frequency value.	
Notes :	

Table/Column Name :	COUNTRY.ABBREVIATION
Descriptive Name :	Country Abbreviation
Data Type :	VARCHAR2(4)
Definition : 4 character abbreviation.	
Notes :	

Table/Column Name :	COUNTRY.COUNTRY_CODE
Descriptive Name :	Country Code
Data Type :	VARCHAR2(2)
Definition : 2 Character code for the country. Uses standard JOPES codes.	
Notes :	

Table/Column Name :	COUNTRY.DESCRIPTIVE_NAME
Descriptive Name :	Country Descriptive Name
Data Type :	VARCHAR2(42)
Definition : 42 character descriptive name.	
Notes :	

Table/Column Name :	COUNTRY.ID
Descriptive Name :	ID
Data Type :	NUMBER(10)
Definition : Unique identifier which relates information among tables.	
Notes :	

Table/Column Name :	EVENT.ABBREVIATED_DESCRIPTION
Descriptive Name :	Abbreviated Description
Data Type :	VARCHAR2(12)
Definition : Abbreviated Description of the event	
Notes :	

Table/Column Name :	EVENT.DESCRIPTION
Descriptive Name :	Event Description
Data Type :	VARCHAR2(42)
Definition : Full description of the event	
Notes :	

Table/Column Name :	EVENT.EVENT_CODE
Descriptive Name :	Event Code
Data Type :	VARCHAR2(2)
Definition : 2 character code for the event.	
Notes :	

Table/Column Name :	EVENT.ID
Descriptive Name :	ID
Data Type :	NUMBER(10)
Definition : Unique identifier which relates information among tables.	
Notes :	

Table/Column Name :	GEO_AREA.ABBREVIATION
Descriptive Name :	Abbreviation
Data Type :	VARCHAR2(2)
Definition : 2 character abbreviation	
Notes :	

Table/Column Name :	GEO_AREA.DESCRIPTION
Descriptive Name :	Geographic Area Description
Data Type :	VARCHAR2(30)
Definition : Descriptive name of Geographic Area.	
Notes :	

Table/Column Name :	GEO_AREA.GEOGRAPHIC_AREA_CODE
Descriptive Name :	Geographic Area Code
Data Type :	VARCHAR2(4)
Definition : 4 character Geographic Location Code	
Notes :	

Table/Column Name :	GEO_AREA.ID
Descriptive Name :	ID
Data Type :	NUMBER(10)
Definition : Unique identifier which relates information among tables.	
Notes :	

Table/Column Name :	ICAO.COUNTRY_CODE
Descriptive Name :	Country Code
Data Type :	VARCHAR2(2)
Definition : The country in which the ICAO is located.	
Notes : Refers to COUNTRY table.	

Table/Column Name :	ICAO.DESCRIPTIVE_NAME
Descriptive Name :	Descriptive Name
Data Type :	VARCHAR2(18)
Definition : Descriptive Name of the ICAO Code.	
Notes :	

Table/Column Name :	ICAO.GEOGRAPHIC_COORDINATES
Descriptive Name :	Geographic Coordinates
Data Type :	VARCHAR2(11)
Definition : The Latitude/Longitude of the ICAO.	
Notes : Format : DDMMCDDDMMC Where DD and DDD are degrees, MM is minutes and C is compass direction. First 5 characters are Latitude and second 6 characters are Logitude.	

Table/Column Name :	ICAO.ICAO_CODE
Descriptive Name :	ICAO Code
Data Type :	VARCHAR2(4)
Definition : 4 character ICAO code.	
Notes : Uses standard JOPES values.	

Table/Column Name :	ICAO.ID
Descriptive Name :	ID
Data Type :	NUMBER(10)
Definition : Unique identifier which relates information among tables.	
Notes :	

Table/Column Name :	INCOMING_MESSAGE.ADDRESSEE
Descriptive Name :	Incoming Message Addressee
Data Type :	NUMBER(6)
Definition : The addressee of the message.	
Notes : Refers to an addressee in the ADDRESSEE table.	

Table/Column Name :	INCOMING_MESSAGE.COMPOSITE_KEY
Descriptive Name :	Incoming Message Composite Key
Data Type :	VARCHAR2(16)
Definition : Composite of Day-Time Group, From Addressee, and version. Used to speed up retrieval and sorting.	
Notes :	

Table/Column Name :	INCOMING_MESSAGE.DATE_TIME_GROUP
Descriptive Name :	Incoming Message Date-Time Group
Data Type :	VARCHAR2(15)
Definition : The day-time group of the message.	
Notes : YYYYMMDDHHMMZZZ	

Table/Column Name :	INCOMING_MESSAGE.ERROR_CODE
Descriptive Name :	Incoming Message Error Code
Data Type :	NUMBER(1)
Definition : Whether or not errors were encountered when processing the message.	
Notes : Values 0 - nil 1 - Errors 2 - No Errors	

Table/Column Name :	INCOMING_MESSAGE.ID
Descriptive Name :	ID
Data Type :	NUMBER(10)
Definition : Unique identifier which relates information among tables.	
Notes :	

Table/Column Name :	INCOMING_MESSAGE.MESSAGE_STATE
Descriptive Name :	Incoming Message State
Data Type :	NUMBER(1)

Definition :

The state of the message.

Notes :

These are the values this field can have:
0 - nil
1 - Processed with Error
2 - Processed without Error
3 - Not Processed with Error
4 - Not processed locked out
5 - incomplete sectional
6 - revised
7 - reprocessed
8 - retransmitted
9 - duplicate

Table/Column Name :	INCOMING_MESSAGE.MESSAGE_TYPE
Descriptive Name :	Incoming Message Type
Data Type :	NUMBER(1)
Definition : The type of the message.	
Notes : Values: 0 - nil 1 - Unrecognizable 2 - Recon 1 3 - Recon 2 4 - Recon 3 5 - Recon 4	

Table/Column Name :	INCOMING_MESSAGE.MISSION_ID
Descriptive Name :	Mission ID
Data Type :	VARCHAR2(6)
Definition : If the message refers to a mission, ths column will have the Mission ID it refers to.	
Notes : Refers to MISSION table.	

Table/Column Name :	INCOMING_MESSAGE.PERIOD
Descriptive Name :	Incoming Message Period
Data Type :	VARCHAR2(15)
Definition : The period or time frame of the message.	
Notes : YYYYMMDDHHMMZZZ	

Table/Column Name :	INCOMING_MESSAGE.PRIMARY_PROGRAM
Descriptive Name :	Incoming Message Primary Program
Data Type :	NUMBER(6)
Definition : The program associated with the primary track.	
Notes : Refers to PROGRAM table.	

Table/Column Name :	INCOMING_MESSAGE.PRIMARY_TRACK_ID
Descriptive Name :	Incoming Message 1st Track ID
Data Type :	VARCHAR2(6)
Definition : The track ID of the first track created by the message (RECON 2).	
Notes : Refers to TRACK table.	

Table/Column Name :	INCOMING_MESSAGE.QUATERNARY_TRACK_ID
Descriptive Name :	Incoming Message 4th Track ID
Data Type :	VARCHAR2(6)
Definition : The track ID of the fourth track created by the message (RECON 2).	
Notes : Refers to TRACK table.	

Table/Column Name :	INCOMING_MESSAGE.QUINARY_TRACK_ID
Descriptive Name :	Incoming Message 5th Track ID
Data Type :	VARCHAR2(6)
Definition : The track ID of the fifth track created by the message (RECON 2).	
Notes : Refers to TRACK table.	

Table/Column Name :	INCOMING_MESSAGE.SECONDARY_PROGRAM
Descriptive Name :	Incoming Message Seconday Program
Data Type :	NUMBER(6)
Definition : The program associated with the secondary track.	
Notes : Refers to PROGRAM table.	

Table/Column Name :	INCOMING_MESSAGE.SECONDARY_TRACK_ID
Descriptive Name :	Incoming Message Second Track ID
Data Type :	VARCHAR2(6)
Definition : The track ID of the second track created by the message (RECON 2).	
Notes : Refers to TRACK table.	

Table/Column Name :	INCOMING_MESSAGE.TERTIARY_PROGRAM
Descriptive Name :	Incoming Message Tertiary Program
Data Type :	NUMBER(6)
Definition : The program associated with the tertiary track.	
Notes : Refers to PROGRAM table.	

Table/Column Name :	INCOMING_MESSAGE.TERTIARY_TRACK_ID
Descriptive Name :	Incoming Message 3rd Track ID
Data Type :	VARCHAR2(6)
Definition : The track ID of the third track created by the message (RECON 2).	
Notes : Refers to TRACK table.	

Table/Column Name :	INCOMING_MESSAGE.TRANSACTION_TYPE
Descriptive Name :	Incoming Message Transaction Type
Data Type :	NUMBER(2)

Definition :

The transaction type of the message.

Notes :

Values

0 - nil
1 - Add
2 - Change
3 - Delete
4 - Request
5 - Schedule
6 - Cancel
7 - Delay
8 - Indef Delay
9 - Reschedule
10 - Pre-Mission
11 - Execution
12 - Launch
13 - Relaunch
14 - Recover
15 - Change Launch
16 - Change Recover

Table/Column Name :	INCOMING_MESSAGE.UNIT
Descriptive Name :	Incoming Message Unit
Data Type :	VARCHAR2(18)
Definition : The UNIT from the message.	
Notes : Comes from the MESSAGE ID line of the incoming message.	

Table/Column Name :	INCOMING_MESSAGE.VERSION
Descriptive Name :	VERSION
Data Type :	NUMBER(10)
Definition : Integer which shows the current version of a row. When a user reads a row of data from the database, they also read the version number. If they choose, at a later date, to update this row, the current version of the row and the version they read must match. This ensures the user has the latest data before performing an update.	
Notes :	

Table/Column Name :	INCOMING_MESSAGE.VERSION_NUMBER
Descriptive Name :	Incoming Message Version Number
Data Type :	NUMBER(2)
Definition : Duplicate messages will have different Version numbers.	
Notes :	

Table/Column Name :	MESSAGE_HEADER.ACTION_DATE
Descriptive Name :	Action Date
Data Type :	VARCHAR2(15)
Definition : The date used on the Declassification line of the message if it is not OADR.	
Notes : YYYYMMDDHHMMZZZ	

Table/Column Name :	MESSAGE_HEADER.ACTION_PRECEDENCE
Descriptive Name :	Action Precedence
Data Type :	NUMBER(1)
Definition : The Action Precedence of the message.	
Notes : Values 0 - nil 1 - R Routine 2 - P Priority 3 - O Immediate 4 - Z Flash 5 - Y Emergency	

Table/Column Name :	MESSAGE_HEADER.CLASSIFICATION
Descriptive Name :	Classification
Data Type :	NUMBER(1)
Definition : Classfication of the message.	
Notes : Values 0 - nil 1 - Unclassified 2 - Unclassified EFTO 3 - Confidential 4 - Secret 5 - Top Secret	

Table/Column Name :	MESSAGE_HEADER.CLASSIFICATION_LINE_COMMENT
Descriptive Name :	Classification Line Comment
Data Type :	VARCHAR2(50)
Definition : Comment for the classification line.	
Notes :	

Table/Column Name :	MESSAGE_HEADER.FROM_ADDRESSEE
Descriptive Name :	From Addressee
Data Type :	NUMBER(6)
Definition : The from addressee for the message.	
Notes : Refers to ADDRESSEE table.	

Table/Column Name :	MESSAGE_HEADER.FUTURE_CLASSIFICATION
Descriptive Name :	Future Classification
Data Type :	NUMBER(1)
Definition : Action to be taken on declassification date.	
Notes : Values 0 - nil 1 - R Review 2 - D Declassify 3 - S Downgrade to Secret 4 - C Downgrade to Confidential	

Table/Column Name :	MESSAGE_HEADER.ID
Descriptive Name :	ID
Data Type :	NUMBER(10)
Definition : Unique identifier which relates information among tables.	
Notes :	

Table/Column Name :	MESSAGE_HEADER.INFO_PRECEDENCE
Descriptive Name :	Info Precedence
Data Type :	NUMBER(1)
Definition : The precedence for the info addressees.	
Notes : Values 0 - nil 1 - R Routine 2 - P Priority 3 - O Immediate 4 - Z Flash 5 - Y Emergency	

Table/Column Name :	MESSAGE_HEADER.MESSAGE_HEADER_ID
Descriptive Name :	Message Header ID
Data Type :	NUMBER(1)
Definition : The unique ID for that message header.	
Notes :	

Table/Column Name :	MESSAGE_HEADER.OADR
Descriptive Name :	OADR
Data Type :	NUMBER(1)
Definition : Tells whether or not the declassification of the message is OADR. If it is false, the date in Action Date is used.	
Notes : Values 0 - nil 1 - False 2 - True	

Table/Column Name :	MESSAGE_HEADER.VERSION
Descriptive Name :	VERSION
Data Type :	NUMBER(10)
Definition : Integer which shows the current version of a row. When a user reads a row of data from the database, they also read the version number. If they choose, at a later date, to update this row, the current version of the row and the version they read must match. This ensures the user has the latest data before performing an update.	
Notes :	

Table/Column Name :	MESSAGE_HEADER_ADDRESSEE.ADDRESSEE
Descriptive Name :	Message Header Addressee
Data Type :	NUMBER(6)
Definition : Refers to an addressee in the addressee table.	
Notes :	

Table/Column Name :	MESSAGE_HEADER_ADDRESSEE.ADDRESSEE_TYPE
Descriptive Name :	Addressee Type
Data Type :	NUMBER(1)
Definition : The type (TO or INFO) that the addressee is.	
Notes : Values 0 - nil 1 - TO 2 - INFO	

Table/Column Name :	MESSAGE_HEADER_ADDRESSEE.ID
Descriptive Name :	ID
Data Type :	NUMBER(10)
Definition : Unique identifier which relates information among tables.	
Notes :	

Table/Column Name :	MESSAGE_HEADER_ADDRESSEE.LOCATION
Descriptive Name :	LOCATION
Data Type :	NUMBER(10)
Definition : Integer used to order rows that share the same ID.	
Notes :	

Table/Column Name :	MESSAGE_LOCK.ID
Descriptive Name :	ID
Data Type :	NUMBER(10)
Definition : Unique identifier which relates information among tables.	
Notes :	

Table/Column Name :	MESSAGE_LOCK.STATUS
Descriptive Name :	Message Lock Status
Data Type :	VARCHAR2(12)
Definition : Tells which months are currently Locked.	
Notes : This is a twelve character string, with one character for each month. Each character can be an 'L' (Locked) or a 'U' (unlocked).	

Table/Column Name :	MESSAGE_LOCK.VERSION
Descriptive Name :	VERSION
Data Type :	NUMBER(10)
Definition : Integer which shows the current version of a row. When a user reads a row of data from the database, they also read the version number. If they choose, at a later date, to update this row, the current version of the row and the version they read must match. This ensures the user has the latest data before performing an update.	
Notes :	

Table/Column Name :	MISSION.ACTUAL_ARRIVAL_ICAO
Descriptive Name :	Actual Arrival ICAO
Data Type :	NUMBER(6)
Definition : The actual ICAO that the plane takes off from.	
Notes : Refers to ICAO table.	

Table/Column Name :	MISSION.ACTUAL_ARRIVAL_LAT_LONG
Descriptive Name :	Actual Arrival LAT/LONG
Data Type :	VARCHAR2(11)
Definition : The LAT/LONG where the plane actually landed.	
Notes : Format : DDMMCDDDMMC Where DD and DDD are degrees, MM is minutes and C is compass direction. First 5 characters are Latitude and second 6 characters are Logitude.	

Table/Column Name :	MISSION.ACTUAL_ARRIVAL_TIME
Descriptive Name :	Actual Arrival Time
Data Type :	VARCHAR2(15)
Definition : The time the plane actually lands.	
Notes : YYYYMMDDHHMMZZZ	

Table/Column Name :	MISSION.ACTUAL_ASSESSMENT
Descriptive Name :	Actual Assessment
Data Type :	VARCHAR2(4)
Definition : The actual assessment of the mission.	
Notes : Values 1st char - Military Risk : 1,2,3,4,5,6,7 2nd char - Intelligence Gain : A,B,C,D,N,T,Z 3rd char - Anticipated gain : A,B,C,D,N,T,Z 4th char - Political Sensitivity : 1,2,3,4,5	

Table/Column Name :	MISSION.ACTUAL_DEPARTURE_ICAO
Descriptive Name :	Actual Departure ICAO
Data Type :	NUMBER(6)
Definition : The airport where the plane actually landed.	
Notes : Refers to ICAO table.	

Table/Column Name :	MISSION.ACTUAL_DEPARTURE_LAT_LONG
Descriptive Name :	Actual Departure LAT/LONG
Data Type :	VARCHAR2(11)
Definition : The actual LAT/LONG that the plane takes off from.	
Notes : Format : DDMMCDDDMMC Where DD and DDD are degrees, MM is minutes and C is compass direction. First 5 characters are Latitude and second 6 characters are Logitude.	

Table/Column Name :	MISSION.ACTUAL_DEPARTURE_TIME
Descriptive Name :	Actual Departure Time
Data Type :	VARCHAR2(15)
Definition : The actual time the plane takes off.	
Notes : YYYYMMDDHHMMZZZ	

Table/Column Name :	MISSION.ACTUAL_TRACK_ID
Descriptive Name :	Actual Track ID
Data Type :	VARCHAR2(6)
Definition : The track that mission actually flies against.	
Notes : Refers to TRACK table.	

Table/Column Name :	MISSION.ADDED_MISSION
Descriptive Name :	Added Mission
Data Type :	NUMBER(1)
Definition : Whether the mission was added with a RECON3 ADD message.	
Notes : Values 0 - nil 1 - False 2 - True	

Table/Column Name :	MISSION.AGENCY
Descriptive Name :	Mission Agency
Data Type :	NUMBER(1)
Definition : Integer which refers to the Agency with which it's associated.	
Notes : Uses standard JOPES codes for Agency identification.	

Table/Column Name :	MISSION.AIRCRAFT_TYPE
Descriptive Name :	Aircraft Type
Data Type :	NUMBER(6)
Definition : The type of aircraft for the mission.	
Notes : Refers to AIRCRAFT_TYPE table.	

Table/Column Name :	MISSION.AKAC_LINE_NUMBER
Descriptive Name :	Akac Line Number
Data Type :	VARCHAR2(11)
Definition :	
Notes :	

Table/Column Name :	MISSION.ARRIVAL_TIME
Descriptive Name :	Arrival Time
Data Type :	VARCHAR2(15)
Definition : Either actual or scheduled (If there is not actual) arrival time.	
Notes : YYYYMMDDHHMMZZZ	

Table/Column Name :	MISSION.CALLSIGN
Descriptive Name :	Callsign
Data Type :	VARCHAR2(16)
Definition : The callsign for the mission	
Notes : Taken as a string from the message.	

Table/Column Name :	MISSION.COORDINATED_MISSIONS
Descriptive Name :	Coordinated Missions
Data Type :	NUMBER(5)
Definition : The number of missions coordinated with this mission.	
Notes :	

Table/Column Name :	MISSION.DEPARTURE_ICAO
Descriptive Name :	Departure ICAO
Data Type :	NUMBER(6)
Definition : Either actual or scheduled (if there is no actual) departure ICAO.	
Notes : Refers to ICAO table.	

Table/Column Name :	MISSION.DEPARTURE_TIME
Descriptive Name :	Departure Time
Data Type :	VARCHAR2(15)
Definition : Either Actual or scheduled (if there is no actual) departure Time.	
Notes : YYYYMMDDHHMMZZZ	

Table/Column Name :	MISSION.ERRORS
Descriptive Name :	Mission Errors
Data Type :	VARCHAR2(38)

Definition :

If a message is only partially processed, this field will flag the areas that were not extracted from the message.

Notes :

This is a 38 character string with each character either being 'T' or 'F'. 'T' means there was no error with that field. 'F' means there was an error. Here are the fields each character represents:

1 - Mission number
2 - Program
3 - Status Result
4 - Primary Target
5 - Secondary Target
6 - Tertiary Target
7 - Primary Purpose
8 - Secondary Purpose
9 - Scheduled Track
10 - Scheduled Assessment
11 - Scheduled Departure Time
12 - Scheduled Arrival Time
13 - Scheduled Departure Location
14 - Scheduled Arrival Location
15 - Actual Assessment
16 - Actual Departure Time
17 - Actual Arrival Time
18 - Actual Departure Location
19 - Actual Arrival Location
20 - Period
21 - Reason/Cause
22 - Callsign
23 - Akac Line Number
24 - Scheduling
25 - Primary Area
26 - Secondary Area
27 - Tertiary Area
28 - High Altitude
29 - Low Altitude
30 - Operating Unit
31 - Military Service Designation
32 - Originating Country
33 - Number of Aircraft
34 - Aircraft Type
35 - Coordinated Missions

Table/Column Name :	MISSION.ID
Descriptive Name :	ID
Data Type :	NUMBER(10)
Definition : Unique identifier which relates information among tables.	
Notes :	

Table/Column Name :	MISSION.MISSION_ID
Descriptive Name :	Mission ID
Data Type :	VARCHAR2(6)
Definition : The unique Mission ID for the mission.	
Notes : Restrictions for character in the Mission ID string: char 1 : number 1-8 char 2-6 : Any uppercase Alpha	

Table/Column Name :	MISSION.NICKNAME_ID
Descriptive Name :	Mission Nickname ID
Data Type :	NUMBER(6)
Definition : Gives the Nickname for the mission.	
Notes : Refers to PROGRAM table.	

Table/Column Name :	MISSION.NUMBER_OF_AIRCRAFT
Descriptive Name :	Number of Aircraft
Data Type :	NUMBER(1)
Definition : The number of aircraft flying the mission.	
Notes :	

Table/Column Name :	MISSION.PERIOD
Descriptive Name :	Period
Data Type :	VARCHAR2(15)
Definition : The month the mission is in.	
Notes : YYYYMMDDHHMMZZZ	

Table/Column Name :	MISSION.PRIMARY_AREA
Descriptive Name :	Primary Area
Data Type :	NUMBER(6)
Definition : The Geo code for the primary area of the mission.	
Notes : Refers to GEO_AREA table.	

Table/Column Name :	MISSION.PRIMARY_PURPOSE
Descriptive Name :	Primary Purpose
Data Type :	NUMBER(6)
Definition : The primary purpose of the mission.	
Notes : Refers to PURPOSE table.	

Table/Column Name :	MISSION.PRIMARY_TARGET
Descriptive Name :	Primary Target
Data Type :	NUMBER(6)
Definition : The Country Code of the primary target.	
Notes : Refers to COUNTRY table.	

Table/Column Name :	MISSION.REASON_CAUSE
Descriptive Name :	Reason/Cause
Data Type :	NUMBER(6)
Definition : The Reason/Cause for the mission.	
Notes : Refers to REASON table.	

Table/Column Name :	MISSION.RELAUNCHED_MISSION
Descriptive Name :	Relaunched Mission
Data Type :	NUMBER(1)
Definition : Tells whether or not a mission is a relaunched mission.	
Notes : Values 0 - nil 1 - False 2 - True	

Table/Column Name :	MISSION.SCHEDULED_ARRIVAL_ICAO
Descriptive Name :	Scheduled Arrival ICAO
Data Type :	NUMBER(6)
Definition : The scheduled landing place of the mission.	
Notes : Refers to ICAO table.	

Table/Column Name :	MISSION.SCHEDULED_ARRIVAL_LAT_LONG
Descriptive Name :	Scheduled Arrival LAT/LONG
Data Type :	VARCHAR2(11)
Definition : The scheduled landing place for the mission.	
Notes : Format : DDMMCDDDMMC Where DD and DDD are degrees, MM is minutes and C is compass direction. First 5 characters are Latitude and second 6 characters are Logitude.	

Table/Column Name :	MISSION.SCHEDULED_ARRIVAL_TIME
Descriptive Name :	Scheduled Arrival Time
Data Type :	VARCHAR2(15)
Definition : The scheduled landing time for the mission.	
Notes : YYYYMMDDHHMMZZZ	

Table/Column Name :	MISSION.SCHEDULED_ASSESSMENT
Descriptive Name :	Scheduled Assessment
Data Type :	VARCHAR2(4)
Definition : The scheduled assessment for the mission.	
Notes : Values 1st char - Military Risk : 1,2,3,4,5,6,7 2nd char - Intelligence Gain : A,B,C,D,N,T,Z 3rd char - Anticipated gain : A,B,C,D,N,T,Z 4th char - Political Sensitivity : 1,2,3,4,5	

Table/Column Name :	MISSION.SCHEDULED_DEPARTURE_LAT_LONG
Descriptive Name :	Scheduled Departure LAT/LONG
Data Type :	VARCHAR2(11)
Definition : The scheduled takeoff place for the mission.	
Notes : Format : DDMMCDDDMMC Where DD and DDD are degrees, MM is minutes and C is compass direction. First 5 characters are Latitude and second 6 characters are Logitude.	

Table/Column Name :	MISSION.SCHEDULED_DEPARTURE_ICAO
Descriptive Name :	Scheduled Departure ICAO
Data Type :	NUMBER(6)
Definition : The scheduled takeoff place for the mission.	
Notes : Refers to ICAO table.	

Table/Column Name :	MISSION.SCHEDULED_DEPARTURE_TIME
Descriptive Name :	Scheduled Departure Time
Data Type :	VARCHAR2(15)
Definition : The scheduled takeoff time for the mission.	
Notes : YYYYMMDDHHMMZZZ	

Table/Column Name :	MISSION.SCHEDULED_TRACK_ID
Descriptive Name :	Scheduled Track ID
Data Type :	VARCHAR2(6)
Definition : The track that the mission is scheduled against.	
Notes : Refers to TRACK table.	

Table/Column Name :	MISSION.SCHEDULING
Descriptive Name :	Scheduling
Data Type :	NUMBER(1)
Definition : The scheduling for the mission.	
Notes : Values 0 - nil 1 - Hard Scheduled 2 - QRC 3 - Contingency	

Table/Column Name :	MISSION.SECONDARY_AREA
Descriptive Name :	Secondary Area
Data Type :	NUMBER(6)
Definition : The Geo code for the secondary area of the mission.	
Notes : Refers to GEO_AREA table.	

Table/Column Name :	MISSION.SECONDARY_PURPOSE
Descriptive Name :	Secondary Purpose
Data Type :	NUMBER(6)
Definition : The secondary purpose of the mission.	
Notes : Refers to PURPOSE table.	

Table/Column Name :	MISSION.SECONDARY_TARGET
Descriptive Name :	Secondary Target
Data Type :	NUMBER(6)
Definition : The Country Code of the secondary target.	
Notes : Refers to COUNTRY table.	

Table/Column Name :	MISSION.STATUS_RESULT
Descriptive Name :	Status Result
Data Type :	NUMBER(2)

Definition :

The status Result of the mission.

Notes :

Values

0 - nil
1 - Requested
2 - Scheduled
3 - Rescheduled
4 - Delayed
5 - Indefinitely Delayed
6 - Cancelled
7 - Deleted
8 - Flying as scheduled
9 - Flying deviation
10 - Flown as scheduled
11 - Flown deviation
12 - Flown abort complete
13 - Flown Abort Incomplete

Table/Column Name :	MISSION.TERTIARY_AREA
Descriptive Name :	Tertiary Area
Data Type :	NUMBER(6)
Definition : The Geo code for the tertiary area of the mission.	
Notes : Refers to GEO_AREA table.	

Table/Column Name :	MISSION.TERTIARY_TARGET
Descriptive Name :	Tertiary Target
Data Type :	NUMBER(6)
Definition : The Country Code of the tertiary target.	
Notes : Refers to COUNTRY table.	

Table/Column Name :	MISSION.TRACK_ID
Descriptive Name :	Track ID
Data Type :	VARCHAR2(6)
Definition : Either the actual or scheduled (if there is no actual) track ID.	
Notes : Refers to TRACK table.	

Table/Column Name :	MISSION.VERSION
Descriptive Name :	VERSION
Data Type :	NUMBER(10)
Definition : Integer which shows the current version of a row. When a user reads a row of data from the database, they also read the version number. If they choose, at a later date, to update this row, the current version of the row and the version they read must match. This ensures the user has the latest data before performing an update.	
Notes :	

Table/Column Name :	MISSION.WATCH_REMARK
Descriptive Name :	Watch Remark
Data Type :	VARCHAR2(69)
Definition : Free form text that is entered by the user usually to make a note about a mission.	
Notes :	

Table/Column Name :	MISSION_MESSAGE.ACTUAL_ARRIVAL_ICAO
Descriptive Name :	Mission Message Actual Arrival ICAO
Data Type :	NUMBER(6)
Definition : The actual landing place of the mission.	
Notes : Refers to ICAO table.	

Table/Column Name :	MISSION_MESSAGE.ACTUAL_ARRIVAL_LAT_LONG
Descriptive Name :	Mission Message Actual Arrival LAT/LONG
Data Type :	VARCHAR2(11)
Definition : The actual landing place of the mission.	
Notes : Format : DDMMCDDDMMC Where DD and DDD are degrees, MM is minutes and C is compass direction. First 5 characters are Latitude and second 6 characters are Logitude.	

Table/Column Name :	MISSION_MESSAGE.ACTUAL_ARRIVAL_TIME
Descriptive Name :	Mission Message Actual Arrival Time
Data Type :	VARCHAR2(15)
Definition : The actual arrival time of the mission.	
Notes : YYYYMMDDHHMMZZZ	

Table/Column Name :	MISSION_MESSAGE.ACTUAL_ASSESSMENT
Descriptive Name :	Mission Message Actual Assessment
Data Type :	VARCHAR2(4)
Definition : The actual assessment of the mission.	
Notes : Values 1st char - Military Risk : 1,2,3,4,5,6,7 2nd char - Intelligence Gain : A,B,C,D,N,T,Z 3rd char - Anticipated gain : A,B,C,D,N,T,Z 4th char - Political Sensitivity : 1,2,3,4,5	

Table/Column Name :	MISSION_MESSAGE.ACTUAL_DEPARTURE_ICAO
Descriptive Name :	Mission Message Actual Departure ICAO
Data Type :	NUMBER(6)
Definition : The actual takeoff airport of the mission.	
Notes : Refers to ICAO table.	

Table/Column Name :	MISSION_MESSAGE.ACTUAL_DEPARTURE_LAT_LONG
Descriptive Name :	Mission Message Actual Departure LAT/LONG
Data Type :	VARCHAR2(11)
Definition : The actual takeoff place of the mission.	
Notes : Format : DDMMCDDDMMC Where DD and DDD are degrees, MM is minutes and C is compass direction. First 5 characters are Latitude and second 6 characters are Logitude.	

Table/Column Name :	MISSION_MESSAGE.ACTUAL_DEPARTURE_TIME
Descriptive Name :	Mission Message Actual Departure Time
Data Type :	VARCHAR2(15)
Definition : The actual departure time of the mission.	
Notes : YYYYMMDDHHMMZZZ	

Table/Column Name :	MISSION_MESSAGE.ACTUAL_TRACK_ID
Descriptive Name :	Mission Message Actual Track ID
Data Type :	VARCHAR2(6)
Definition : The actual track id the mission is flown against.	
Notes : Refers to TRACK table.	

Table/Column Name :	MISSION_MESSAGE.ADDRESSEE
Descriptive Name :	Mission Message Addressee
Data Type :	NUMBER(6)
Definition : The addressee of the message.	
Notes : Refers to the addressee table.	

Table/Column Name :	MISSION_MESSAGE.DATE_TIME_GROUP
Descriptive Name :	Mission Message Date Time Group
Data Type :	VARCHAR2(15)
Definition : The date-time group of the message.	
Notes : YYYYMMDDHHMMZZZ	

Table/Column Name :	MISSION_MESSAGE.ID
Descriptive Name :	ID
Data Type :	NUMBER(10)
Definition : Unique identifier which relates information among tables.	
Notes :	

Table/Column Name :	MISSION_MESSAGE.LOCATION
Descriptive Name :	LOCATION
Data Type :	NUMBER(10)
Definition : Integer used to order rows that share the same ID.	
Notes :	

Table/Column Name :	MISSION_MESSAGE.MESSAGE_TYPE
Descriptive Name :	Mission Message Message Type
Data Type :	NUMBER(1)
Definition : The type of the message.	
Notes : Values: 0 - nil 1 - Unrecognizable 2 - Recon 1 3 - Recon 2 4 - Recon 3 5 - Recon 4	

Table/Column Name :	MISSION_MESSAGE.SCHEDULED_ARRIVAL_ICAO
Descriptive Name :	Mission Message Scheduled Arrival ICAO
Data Type :	NUMBER(6)
Definition : The actual landing place of the mission.	
Notes : Refers to ICAO table.	

Table/Column Name :	MISSION_MESSAGE.SCHEDULED_ARRIVAL_LAT_LONG
Descriptive Name :	Mission Message Scheduled Arrival LAT/LONG
Data Type :	VARCHAR2(11)
Definition : The actual landing place of the mission.	
Notes : Format : DDMMCDDDMMC Where DD and DDD are degrees, MM is minutes and C is compass direction. First 5 characters are Latitude and second 6 characters are Logitude.	

Table/Column Name :	MISSION_MESSAGE.SCHEDULED_ARRIVAL_TIME
Descriptive Name :	Mission Message Scheduled Arrival Time
Data Type :	VARCHAR2(15)
Definition : The sceduled arrival time of the mission.	
Notes : YYYYMMDDHHMMZZZ	

Table/Column Name :	MISSION_MESSAGE.SCHEDULED_ASSESSMENT
Descriptive Name :	Mission Message Scheduled Assessment
Data Type :	VARCHAR2(4)

Definition :

The scheduled assessment of the mission.

Notes :

Values

1st char - Military Risk : 1,2,3,4,5,6,7
2nd char - Intelligence Gain : A,B,C,D,N,T,Z
3rd char - Anticipated gain : A,B,C,D,N,T,Z
4th char - Political Sensitivity : 1,2,3,4,5

Table/Column Name :	MISSION_MESSAGE.SCHEDULED_DEPARTURE_TIME
Descriptive Name :	Mission Message Sceduled Departure Time
Data Type :	VARCHAR2(15)
Definition : The scheduled departure time of the mission.	
Notes : YYYYMMDDHHMMZZZ	

Table/Column Name :	MISSION_MESSAGE.SCHEDULED_DEPARTURE_ICAO
Descriptive Name :	Mission Message Scheduled Departure ICAO
Data Type :	NUMBER(6)
Definition : The scheduled takeoff place of the mission.	
Notes : Refers to ICAO table.	

Table/Column Name : MISSION_MESSAGE.SCHEDULED_DEPARTURE_LAT_LONG	
Descriptive Name :	Mission Message Scheduled Departure LAT/LONG
Data Type :	VARCHAR2(11)
Definition : The scheduled takeoff place of the mission.	
Notes : Format : DDMMCDDDMMC Where DD and DDD are degrees, MM is minutes and C is compass direction. First 5 characters are Latitude and second 6 characters are Logitude.	

Table/Column Name :	MISSION_MESSAGE.SCHEDULED_TRACK_ID
Descriptive Name :	Mission Message Scheduled Track ID
Data Type :	VARCHAR2(6)
Definition : The scheduled track of the mission.	
Notes : Refers to TRACK table.	

Table/Column Name :	MISSION_MESSAGE.TRANSACTION_TYPE
Descriptive Name :	Mission Message Transaction Type
Data Type :	NUMBER(2)

Definition :

The transaction type of the message.

Notes :

Values

0 - nil
1 - Add
2 - Change
3 - Delete
4 - Request
5 - Schedule
6 - Cancel
7 - Delay
8 - Indef Delay
9 - Reschedule
10 - Pre-Mission
11 - Execution
12 - Launch
13 - Relaunch
14 - Recover
15 - Change Launch
16 - Change Recover

Table/Column Name :	MISSION_MESSAGE.VERSION_NUMBER
Descriptive Name :	Mission Message Version Number
Data Type :	NUMBER(2)
Definition : Duplicate messages will have different Version numbers.	
Notes :	

Table/Column Name :	MISSION_MESSAGE_REMARK.ID
Descriptive Name :	ID
Data Type :	NUMBER(10)
Definition : Unique identifier which relates information among tables.	
Notes :	

Table/Column Name :	MISSION_MESSAGE_REMARK.LOCATION
Descriptive Name :	LOCATION
Data Type :	NUMBER(10)
Definition : Integer used to order rows that share the same ID.	
Notes :	

Table/Column Name :	MISSION_MESSAGE_REMARK.MESSAGE_LOCATION
Descriptive Name :	Message Location
Data Type :	NUMBER(10)
Definition : Refers the remark to the mission_message it's associated with.	
Notes :	

Table/Column Name :	MISSION_MESSAGE_REMARK.REASON_CAUSE
Descriptive Name :	Reason Cause
Data Type :	NUMBER(6)
Definition : The reason/cause of the remark.	
Notes : Refers to REASON table.	

Table/Column Name :	MISSION_MESSAGE_REMARK.REMARK
Descriptive Name :	Remark
Data Type :	VARCHAR2(69)
Definition : The text of the remark.	
Notes :	

Table/Column Name :	MISSION_MESSAGE_REMARK.REMARK_TYPE
Descriptive Name :	Remark Type
Data Type :	NUMBER(1)

Definition :

The type of the remark.

Notes :

Values

0 - Reason
1 - Special Data
2 - Track Data
3 - Comments
4 - General
5 - Percent

Table/Column Name :	NICKNAME.AGENCY
Descriptive Name :	Agency
Data Type :	NUMBER(1)
Definition : Integer which refers to the Agency with which it's associated. Uses standard JOPES codes for Agency identification.	
Notes : Uses standard JOPES codes.	

Table/Column Name :	NICKNAME.COMPOSITE_KEY
Descriptive Name :	Composite Key
Data Type :	VARCHAR2(10)
Definition : The agency and program together.	
Notes :	

Table/Column Name :	NICKNAME.EFFECTIVE_DTG
Descriptive Name :	Effective Day-Time Group
Data Type :	VARCHAR2(15)
Definition : When the nickname took affect.	
Notes : YYYYMMDDHHMMZZZ	

Table/Column Name :	NICKNAME.ID
Descriptive Name :	ID
Data Type :	NUMBER(10)
Definition : Unique identifier which relates information among tables.	
Notes :	

Table/Column Name :	NICKNAME.INEFFECTIVE_DTG
Descriptive Name :	Innefective Day-Time group
Data Type :	VARCHAR2(15)
Definition : When the nickname expires.	
Notes : YYYYMMDDHHMMZZZ	

Table/Column Name :	NICKNAME.NICKNAME_ID
Descriptive Name :	Nickname ID
Data Type :	NUMBER(6)
Definition : The unique id of the nickname.	
Notes :	

Table/Column Name :	NICKNAME.PROGRAM_CODE
Descriptive Name :	Program Code
Data Type :	VARCHAR2(2)
Definition : All missions for this nickanem should start with this code.	
Notes :	

Table/Column Name :	NICKNAME.STATUS
Descriptive Name :	Status
Data Type :	NUMBER(1)
Definition : Status of the nickname.	
Notes :	

Table/Column Name :	NICKNAME.TRACK_CODE
Descriptive Name :	Track Code
Data Type :	VARCHAR2(2)
Definition : All tracks for this nickname should start with this code.	
Notes :	

Table/Column Name :	NICKNAME.VERSION
Descriptive Name :	VERSION
Data Type :	NUMBER(10)
Definition : Integer which shows the current version of a row. When a user reads a row of data from the database, they also read the version number. If they choose, at a later date, to update this row, the current version of the row and the version they read must match. This ensures the user has the latest data before performing an update.	
Notes :	

Table/Column Name :	OUTGOING_MESSAGE.ID
Descriptive Name :	ID
Data Type :	NUMBER(10)
Definition : Unique identifier which relates information among tables.	
Notes :	

Table/Column Name :	OUTGOING_MESSAGE.OUTGOING_MESSAGE_ID
Descriptive Name :	Outgoing Message ID
Data Type :	NUMBER(1)
Definition : The unique id for that outgoing message.	
Notes :	

Table/Column Name :	OUTGOING_MESSAGE.VERSION
Descriptive Name :	VERSION
Data Type :	NUMBER(10)
Definition : Integer which shows the current version of a row. When a user reads a row of data from the database, they also read the version number. If they choose, at a later date, to update this row, the current version of the row and the version they read must match. This ensures the user has the latest data before performing an update.	
Notes :	

Table/Column Name :	PROGRAM.ID
Descriptive Name :	ID
Data Type :	NUMBER(10)
Definition : Unique identifier which relates information among tables.	
Notes :	

Table/Column Name :	PROGRAM.LONG_NICKNAME
Descriptive Name :	Long Nickname
Data Type :	VARCHAR2(18)
Definition : Long nickname for the program.	
Notes :	

Table/Column Name :	PROGRAM.MEDIUM_NICKNAME
Descriptive Name :	Medium Nickname
Data Type :	VARCHAR2(8)
Definition : Medium length nickname for the program.	
Notes :	

Table/Column Name :	PROGRAM.OPERATIONAL_PLAN
Descriptive Name :	Operational Plan
Data Type :	VARCHAR2(7)
Definition : The Operational Plan for the program.	
Notes : Comes from the message.	

Table/Column Name :	PROGRAM.SHORT_NICKNAME
Descriptive Name :	Short Nickname
Data Type :	VARCHAR2(3)
Definition : Short nickname for the program.	
Notes :	

Table/Column Name :	PURPOSE.DESCRIPTION
Descriptive Name :	Purpose Description
Data Type :	VARCHAR2(42)
Definition : Description of the purpose.	
Notes :	

Table/Column Name :	PURPOSE.ID
Descriptive Name :	ID
Data Type :	NUMBER(10)
Definition : Unique identifier which relates information among tables.	
Notes :	

Table/Column Name :	PURPOSE.PURPOSE_CODE
Descriptive Name :	Purpose Code
Data Type :	VARCHAR2(2)
Definition : 2 character string.	
Notes :	

Table/Column Name :	REASON.DESCRIPTION
Descriptive Name :	Description
Data Type :	VARCHAR2(42)
Definition : Description of the Reason.	
Notes :	

Table/Column Name :	REASON.ID
Descriptive Name :	ID
Data Type :	NUMBER(10)
Definition : Unique identifier which relates information among tables.	
Notes :	

Table/Column Name :	REASON.REASON_CAUSE_CODE
Descriptive Name :	Reason Cause Code
Data Type :	VARCHAR2(2)
Definition : 2 character string.	
Notes :	

Table/Column Name :	SECTIONAL_MESSAGE.ADDRESSEE
Descriptive Name :	Addressee
Data Type :	NUMBER(6)
Definition : Refers to an addressee in the addressee table.	
Notes :	

Table/Column Name :	SECTIONAL_MESSAGE.DATE_TIME_GROUP
Descriptive Name :	Date Time Group
Data Type :	VARCHAR2(15)
Definition : The data time group of the message.	
Notes :	

Table/Column Name :	SECTIONAL_MESSAGE.ID
Descriptive Name :	ID
Data Type :	NUMBER(10)
Definition : Unique identifier which relates information among tables.	
Notes :	

Table/Column Name :	SECTIONAL_MESSAGE.SECTION_NUMBER
Descriptive Name :	Section Number
Data Type :	NUMBER(3)
Definition : The section number of the message.	
Notes :	

Table/Column Name :	SECTIONAL_MESSAGE.TOTAL_NUMBER_OF_SECTIONS
Descriptive Name :	TOTAL_NUMBER_OF_SECTIONS
Data Type :	NUMBER(3)
Definition : The total number of sections for the message.	
Notes :	

Table/Column Name :	SECTIONAL_MESSAGE.VERSION
Descriptive Name :	VERSION
Data Type :	NUMBER(10)
Definition : Integer which shows the current version of a row. When a user reads a row of data from the database, they also read the version number. If they choose, at a later date, to update this row, the current version of the row and the version they read must match. This ensures the user has the latest data before performing an update.	
Notes :	

Table/Column Name :	SLICE.ID
Descriptive Name :	ID
Data Type :	NUMBER(10)
Definition : Unique identifier which relates information among tables.	
Notes :	

Table/Column Name :	SLICE.LOCATION
Descriptive Name :	LOCATION
Data Type :	NUMBER(10)
Definition : Integer used to order rows that share the same ID.	
Notes :	

Table/Column Name :	SLICE.USER_ID
Descriptive Name :	USER_ID
Data Type :	VARCHAR2(22)
Definition : The user_id for the Slice.	
Notes :	

Table/Column Name :	STATUS_LOG.ADDRESSEE_KEY
Descriptive Name :	Status Log Addressee Key
Data Type :	NUMBER(6)
Definition : A key to help index the addressee.	
Notes :	

Table/Column Name :	STATUS_LOG.COMPOSITE_KEY
Descriptive Name :	Status Log Composite Key
Data Type :	VARCHAR2(18)
Definition : The composite key to help index the status log.	
Notes :	

Table/Column Name :	STATUS_LOG.DATE_TIME_KEY
Descriptive Name :	Status Log Date Time Key
Data Type :	VARCHAR2(15)
Definition : A key to help index the day-time.	
Notes :	

Table/Column Name :	STATUS_LOG.ID
Descriptive Name :	ID
Data Type :	NUMBER(10)
Definition : Unique identifier which relates information among tables.	
Notes :	

Table/Column Name :	STATUS_LOG.MISSION_ID
Descriptive Name :	Mission ID
Data Type :	VARCHAR2(6)
Definition : Gives the mission for this information.	
Notes : Refers to MISSION table.	

Table/Column Name :	STATUS_LOG.PROGRAM
Descriptive Name :	Status Log Program
Data Type :	NUMBER(6)
Definition : The program for this information.	
Notes : Refers to PROGRAM table.	

Table/Column Name :	STATUS_LOG.STATUS_LOG_ENTRY
Descriptive Name :	Status Log Entry
Data Type :	VARCHAR2(76)
Definition : The string that is displayed on the status log screen.	
Notes :	

Table/Column Name :	STATUS_LOG.TIME_STAMP
Descriptive Name :	Status Log Time Stamp
Data Type :	VARCHAR2(15)
Definition : The time of the status log entry	
Notes : YYYYMMDDHHMMZZZ	

Table/Column Name :	STATUS_LOG.TRACK_ID
Descriptive Name :	Track ID
Data Type :	VARCHAR2(6)
Definition : The track for this information.	
Notes : Refers to TRACK table.	

Table/Column Name :	STATUS_LOG.VERSION
Descriptive Name :	VERSION
Data Type :	NUMBER(10)
Definition : Integer which shows the current version of a row. When a user reads a row of data from the database, they also read the version number. If they choose, at a later date, to update this row, the current version of the row and the version they read must match. This ensures the user has the latest data before performing an update.	
Notes :	

Table/Column Name :	STATUS_LOG.VERSION_KEY
Descriptive Name :	Status Log Version Key
Data Type :	NUMBER(2)
Definition : A key to help index the verion.	
Notes :	

Table/Column Name :	STATUS_LOG.VIEWED
Descriptive Name :	Viewed
Data Type :	NUMBER(1)
Definition : Whether or not the entry should be highlighted on the status log screen.	
Notes : Values 0 - False 1 - True	

Table/Column Name :	STRING_LIST.ID
Descriptive Name :	ID
Data Type :	NUMBER(10)
Definition : Unique identifier which relates information among tables.	
Notes :	

Table/Column Name :	STRING_LIST.LOCATION
Descriptive Name :	LOCATION
Data Type :	NUMBER(10)
Definition : Integer used to order rows that share the same ID.	
Notes :	

Table/Column Name :	STRING_LIST.TEXT
Descriptive Name :	Text
Data Type :	VARCHAR2(69)
Definition : A row of text.	
Notes :	

Table/Column Name :	SUMMARY.ID
Descriptive Name :	ID
Data Type :	NUMBER(10)
Definition : Unique identifier which relates information among tables.	
Notes :	

Table/Column Name :	SUMMARY.IMAGE
Descriptive Name :	Index Summary Images
Data Type :	VARCHAR2(255)
Definition : 255 Character String made up the information contained in a row of any of the GRIS indexes.	
Notes : This field was created in an attempt to speed up the application by normalizing some of the data. It contains data from all the indexes.	

Table/Column Name :	SUMMARY.LOCATION
Descriptive Name :	LOCATION
Data Type :	NUMBER(10)
Definition : Integer used to order rows that share the same ID.	
Notes :	

Table/Column Name :	TEXT.ID
Descriptive Name :	ID
Data Type :	NUMBER(10)
Definition : Unique identifier which relates information among tables.	
Notes :	

Table/Column Name :	TEXT.TEXT_ID
Descriptive Name :	Text ID
Data Type :	NUMBER(2)
Definition : The unique ID for that section of text.	
Notes :	

Table/Column Name :	TEXT.VERSION
Descriptive Name :	VERSION
Data Type :	NUMBER(10)
Definition : Integer which shows the current version of a row. When a user reads a row of data from the database, they also read the version number. If they choose, at a later date, to update this row, the current version of the row and the version they read must match. This ensures the user has the latest data before performing an update.	
Notes :	

Table/Column Name :	TRACK.AGENCY
Descriptive Name :	Track Agency
Data Type :	NUMBER(1)
Definition : The agency that created the track.	
Notes : Uses standard JOPES codes for commands.	

Table/Column Name :	TRACK.AIRCRAFT_TYPE
Descriptive Name :	Track Aircraft Type
Data Type :	NUMBER(6)
Definition : The type of aircraft that flies against this track.	
Notes : Refers to AIRCRAFT table.	

Table/Column Name :	TRACK.AKAC_LINE_NUMBER
Descriptive Name :	Track Akac Line Number
Data Type :	VARCHAR2(11)
Definition : The Akac line number of the track.	
Notes :	

Table/Column Name :	TRACK.AREA_TIME
Descriptive Name :	Area Time
Data Type :	NUMBER(4)
Definition : The amount of time the aircraft spends in sensitive areas.	
Notes : 0 - 999.9 Hours	

Table/Column Name :	TRACK.ASSESSMENT
Descriptive Name :	Track Assessment
Data Type :	VARCHAR2(4)

Definition :

The track's assessment.

Notes :

Values

1st char - Military Risk : 1,2,3,4,5,6,7
2nd char - Intelligence Gain : A,B,C,D,N,T,Z
3rd char - Anticipated gain : A,B,C,D,N,T,Z
4th char - Political Sensitivity : 1,2,3,4,5

Table/Column Name :	TRACK.COMPOSITE_KEY
Descriptive Name :	Track Composite Key
Data Type :	VARCHAR2(19)
Definition : A hash of the agency, program, and track id.	
Notes :	

Table/Column Name :	TRACK.DATE_LAST_FLOWN
Descriptive Name :	Date Last Flown
Data Type :	VARCHAR2(15)
Definition : The date of the last mission flown against the track.	
Notes : YYYYMMDDHHMMZZZ	

Table/Column Name :	TRACK.DATE_LAST_REVIEWED
Descriptive Name :	Date Last Reviewed
Data Type :	VARCHAR2(15)
Definition :	
Notes : YYYYMMDDHHMMZZZ	

Table/Column Name :	TRACK.DATE_LAST_UPDATED
Descriptive Name :	Date Last Updated
Data Type :	VARCHAR2(15)
Definition : The date when the track was last changed.	
Notes : YYYYMMDDHHMMZZZ	

Table/Column Name :	TRACK.HIGH_ALTITUDE
Descriptive Name :	Track High Altitude
Data Type :	NUMBER(5)
Definition : The high altitude for the track.	
Notes : 0 - 99,999 Feet	

Table/Column Name :	TRACK.ID
Descriptive Name :	ID
Data Type :	NUMBER(10)
Definition : Unique identifier which relates information among tables.	
Notes :	

Table/Column Name :	TRACK.LOW_ALTITUDE
Descriptive Name :	Track Low Altitude
Data Type :	NUMBER(5)
Definition : The low altitude for the track.	
Notes : 0 - 99,999 Feet	

Table/Column Name :	TRACK.MILITARY_SERVICE_DESIGNATION
Descriptive Name :	Track Military Service Designation
Data Type :	NUMBER(1)
Definition : The military service of the track.	
Notes : Values 0 - nil 1 - Army 2 - Navy 3 - Air Force 4 - Marines 5 - Coast Guard	

Table/Column Name :	TRACK.NICKNAME_ID
Descriptive Name :	Track Nickname ID
Data Type :	NUMBER(6)
Definition : The nickname for the track.	
Notes : Refers to the PROGRAM table.	

Table/Column Name :	TRACK.OPERATING_UNIT
Descriptive Name :	Track Operating Unit
Data Type :	VARCHAR2(8)
Definition : The operating unit for the track.	
Notes : Text comes from message.	

Table/Column Name :	TRACK.ORIGINATING_COUNTRY
Descriptive Name :	Track Originating Country
Data Type :	NUMBER(6)
Definition : The originating country of the track.	
Notes : Refers to COUNTRY table.	

Table/Column Name :	TRACK.PRIMARY_AREA
Descriptive Name :	Track Primary Area
Data Type :	NUMBER(6)
Definition : The Geo code for the primary area.	
Notes : Refers to the GEO_AREA table.	

Table/Column Name :	TRACK.PRIMARY_PURPOSE
Descriptive Name :	Track Primary Purpose
Data Type :	NUMBER(6)
Definition : The primary purpose of the track.	
Notes : Refers to the PURPOSE table.	

Table/Column Name :	TRACK.PRIMARY_TARGET
Descriptive Name :	Track Primary Target
Data Type :	NUMBER(6)
Definition : The country code for the primary target.	
Notes : Refers to the COUNTRY table.	

Table/Column Name :	TRACK.SECONDARY_AREA
Descriptive Name :	Track Secondary Area
Data Type :	NUMBER(6)
Definition : The Geo code for the secondary area.	
Notes : Refers to the GEO_AREA table.	

Table/Column Name :	TRACK.SECONDARY_PURPOSE
Descriptive Name :	Track Secondary Purpose
Data Type :	NUMBER(6)
Definition : The secondary puropse of the track.	
Notes : Refers to the PURPOSE table.	

Table/Column Name :	TRACK.SECONDARY_TARGET
Descriptive Name :	Track Secondary Target
Data Type :	NUMBER(6)
Definition : The country code for the secondary target.	
Notes : Refers to the COUNTRY table.	

Table/Column Name :	TRACK.TERTIARY_AREA
Descriptive Name :	Track Tertiary Area
Data Type :	NUMBER(6)
Definition : The Geo code for the tertiary area.	
Notes : Refers to the GEO_AREA table.	

Table/Column Name :	TRACK.TERTIARY_TARGET
Descriptive Name :	Track Tertiary Target
Data Type :	NUMBER(6)
Definition : The country code for the tertiary target.	
Notes : Refers to the COUNTRY table.	

Table/Column Name :	TRACK.TRACK_APPROVAL_AUTHORITY
Descriptive Name :	Track Approval Authority
Data Type :	NUMBER(1)
Definition : The approval Authority for the track.	
Notes : Values 0 - nil 1 - JCS 2 - Delegated	

Table/Column Name :	TRACK.TRACK_DATE
Descriptive Name :	Track Date
Data Type :	VARCHAR2(15)
Definition : The date the track was created.	
Notes : YYYYMMDDHHMMZZZ	

Table/Column Name :	TRACK.TRACK_ID
Descriptive Name :	Track ID
Data Type :	VARCHAR2(6)
Definition : The track id	
Notes : Restrictions far character in the Track ID string: char 1 : number 1-8 char 2-6 : Any uppercase Alpha	

Table/Column Name :	TRACK.TRACK_STATUS
Descriptive Name :	Track Status
Data Type :	NUMBER(1)
Definition : The status of the track.	
Notes : Values: 0 - nil 1 - Active 2 - Requested 3 - Deleted 4 - Inactive	

Table/Column Name :	TRACK.TRACK_TIME
Descriptive Name :	Track Time
Data Type :	NUMBER(4)
Definition : The amount of time the aircraft stays in the air.	
Notes : 0 - 999.9 Hours	

Table/Column Name :	TRACK.TRACK_TYPE
Descriptive Name :	Track Type
Data Type :	VARCHAR2(11)
Definition : A user updated field which provides more information on an active track.	
Notes :	

Table/Column Name :	TRACK.VERSION
Descriptive Name :	VERSION
Data Type :	NUMBER(10)
Definition : Integer which shows the current version of a row. When a user reads a row of data from the database, they also read the version number. If they choose, at a later date, to update this row, the current version of the row and the version they read must match. This ensures the user has the latest data before performing an update.	
Notes :	

Table/Column Name :	TRACK_DICTIONARY_INFO.CHANGE_NUMBER
Descriptive Name :	Change Number
Data Type :	NUMBER(2)
Definition : The change number if it's a change page.	
Notes : 0-99	

Table/Column Name :	TRACK_DICTIONARY_INFO.ID
Descriptive Name :	ID
Data Type :	NUMBER(10)
Definition : Unique identifier which relates information among tables.	
Notes :	

Table/Column Name :	TRACK_DICTIONARY_INFO.LOCATION
Descriptive Name :	LOCATION
Data Type :	NUMBER(10)
Definition : Integer used to order rows that share the same ID.	
Notes :	

Table/Column Name :	TRACK_DICTIONARY_INFO.PAGE_NUMBER
Descriptive Name :	Page Number
Data Type :	VARCHAR2(8)
Definition : Page number for that page of the dictionary.	
Notes : Consists of: Chapter number (3 chars) Chapter letter (1 char) Change Number (3 chars) Change Letter (1 char)	

Table/Column Name :	TRACK_DICTIONARY_INFO.PAGE_TYPE
Descriptive Name :	Page Type
Data Type :	NUMBER(2)

Definition :

The type of the page.

Notes :

Values

0 - nil
1 - Title Page
2 - Distribution Page
3 - Remarks Page
4 - Effective page
5 - Nickname Banner
6 - Nickname report
7 - Banner
8 - Track Plate
9 - Track Coordinates
10 - Blank Page

Table/Column Name :	TRACK_DICTIONARY_INFO.PRINT_FLAG
Descriptive Name :	Print Flag
Data Type :	NUMBER(1)
Definition : Whether or not the page should be included in the printing of the next track dictionary report.	
Notes : 0 - False 1 - True	

Table/Column Name :	TRACK_EVENT.CLOSEST_POINT_OF_APPROACH
Descriptive Name :	Closest Point of Approach
Data Type :	NUMBER(3)
Definition : Distance to closest sensitive area.	
Notes : 0 - 999 Nautical Miles	

Table/Column Name :	TRACK_EVENT.COUNTRY
Descriptive Name :	Country
Data Type :	NUMBER(6)
Definition : The coutry the event takes place in.	
Notes : Refers to the COUNTRY table.	

Table/Column Name :	TRACK_EVENT.EVENT
Descriptive Name :	Event Id
Data Type :	NUMBER(6)
Definition : The event code of this track event.	
Notes : Refers to the EVENT table	

Table/Column Name :	TRACK_EVENT.HIGH_ALTITUDE
Descriptive Name :	High Altitude
Data Type :	NUMBER(5)
Definition : The highest altitude for the event.	
Notes : 0 - 99,999 Feet	

Table/Column Name :	TRACK_EVENT.ICAO
Descriptive Name :	ICAO
Data Type :	NUMBER(6)
Definition : Shows the location of the event.	
Notes : Is optional if LATITUDE_LONGITUDE is specified. Refers to ICAO table.	

Table/Column Name :	TRACK_EVENT.ID
Descriptive Name :	ID
Data Type :	NUMBER(10)
Definition : Unique identifier which relates information among tables.	
Notes :	

Table/Column Name :	TRACK_EVENT.LATITUDE_LONGITUDE
Descriptive Name :	LatLong
Data Type :	VARCHAR2(11)
Definition : The Latitude and Logitude of the event.	
Notes : Is optional if ICAO is specified. Format : DDMMCDDDMMC Where DD and DDD are degrees, MM is minutes and C is compass direction. First 5 characters are Latitude and second 6 characters are Logitude.	

Table/Column Name :	TRACK_EVENT.LOCATION
Descriptive Name :	LOCATION
Data Type :	NUMBER(10)
Definition : Integer used to order rows that share the same ID.	
Notes :	

Table/Column Name :	TRACK_EVENT.LOW_ALTITUDE
Descriptive Name :	Low Altitude
Data Type :	NUMBER(5)
Definition : The lowest altitude for the event.	
Notes : 0 - 99,999 Feet	

Table/Column Name :	TRACK_EVENT.SEQUENCE
Descriptive Name :	Track event sequence
Data Type :	NUMBER(4)
Definition : The place in the sequence of events that this event falls.	
Notes :	

Table/Column Name :	TRACK_EVENT.TIME_TO_CONTROL_POINT
Descriptive Name :	Time to Control Point
Data Type :	NUMBER(3)
Definition : The no-wind time from takeoff to Mission Control Point.	
Notes : 0 - 999 Tenths of an Hour	

Table/Column Name :	TRACK_ORBIT.ID
Descriptive Name :	ID
Data Type :	NUMBER(10)
Definition : Unique identifier which relates information among tables.	
Notes :	

Table/Column Name :	TRACK_ORBIT.LOCATION
Descriptive Name :	LOCATION
Data Type :	NUMBER(10)
Definition : Integer used to order rows that share the same ID.	
Notes :	

Table/Column Name :	TRACK_ORBIT.NUMBER_OF_ORBITS
Descriptive Name :	Number of Orbits
Data Type :	NUMBER(3)
Definition : The number of Orbits.	
Notes :	

Table/Column Name :	TRACK_ORBIT.ORBIT_BEGINS
Descriptive Name :	Beginning of Orbit
Data Type :	NUMBER(4)
Definition : Where the orbit begins.	
Notes : Refers to a sequnce number in TRACK_EVENT	

Table/Column Name :	TRACK_ORBIT.ORBIT_ENDS
Descriptive Name :	End of Orbit
Data Type :	NUMBER(4)
Definition : Where the orbit ends	
Notes : Refers to a sequence number in TRACK_EVENT	

Table/Column Name :	TRACK_ORBIT.SEQUENCE
Descriptive Name :	Track Orbit Sequence
Data Type :	NUMBER(4)
Definition : Where this orbit falls in the sequence of orbits.	
Notes :	

Table/Column Name :	USERS.NUM_USERS
Descriptive Name :	NUM_USERS
Data Type :	NUMBER(10)
Definition : Number of users currently on the database.	
Notes :	

Table/Column Name :	VERSIONS.ID
Descriptive Name :	ID
Data Type :	NUMBER(10)
Definition : Unique identifier which relates information among tables.	
Notes :	

Table/Column Name :	VERSIONS.USER_ID
Descriptive Name :	USER_ID
Data Type :	VARCHAR2(22)
Definition : The user's id concatenated with the name of the table for which the version applies.	
Notes :	

Table/Column Name :	VERSIONS.VERSION
Descriptive Name :	Version
Data Type :	NUMBER(10)
Definition : The version number of the row which the user is currently looking at.	
Notes :	

Appendix D - Database config values

Name	Description
ADDRESSEE_FILE_NAME	The name of the code table.
ADDRESSEE_MAXIMUM_ROWS	The maximum number of rows the code table is allowed to have.
ADDRESSEE_SORTING_COLUMN	The default column to sort on when retrieving rows.
ADDRESSEE_UNIQUENESS	A space separated list of booleans which specify whether columns should have unique values.
AIRCRAFT_TYPE_FILENAME	The name of the code table.
AIRCRAFT_TYPE_MAXIMUM_ROWS	The maximum number of rows the code table is allowed to have.
AIRCRAFT_TYPE_SORTING_COLUMN	The default column to sort on when retrieving rows.
AIRCRAFT_TYPE_UNIQUENESS	A space separated list of booleans which specify whether columns should have unique values.
COUNTRY_FILENAME	The name of the code table.
COUNTRY_MAXIMUM_ROWS	The maximum number of rows the code table is allowed to have.
COUNTRY_SORTING_COLUMN	The default column to sort on when retrieving rows.
COUNTRY_UNIQUENESS	A space separated list of booleans which specify whether columns should have unique values.
EVENT_FILENAME	The name of the code table.
EVENT_MAXIMUM_ROWS	The maximum number of rows the code table is allowed to have.
EVENT_SORTING_COLUMN	The default column to sort on when retrieving rows.
EVENT_UNIQUENESS	A space separated list of booleans which specify whether columns should have unique values.

FREQUENCY_FILENAME	The name of the code table.
FREQUENCY_MAXIMUM_ROWS	The maximum number of rows the code table is allowed to have.
FREQUENCY_SORTING_COLUMN	The default column to sort on when retrieving rows.
FREQUENCY_UNIQUENESS	A space separated list of booleans which specify whether columns should have unique values.
GEOGRAPHIC_AREA_FILENAME	The name of the code table.
GEOGRAPHIC_AREA_MAXIMUM_ROWS	The maximum number of rows the code table is allowed to have.
GEOGRAPHIC_AREA_SORTING_COLUMN	The default column to sort on when retrieving rows.
GEOGRAPHIC_AREA_UNIQUENESS	A space separated list of booleans which specify whether columns should have unique values.
ICAO_FILENAME	The name of the code table.
ICAO_MAXIMUM_ROWS	The maximum number of rows the code table is allowed to have.
ICAO_SORTING_COLUMN	The default column to sort on when retrieving rows.
ICAO_UNIQUENESS	A space separated list of booleans which specify whether columns should have unique values.
PROGRAM_FILENAME	The name of the code table.
PROGRAM_MAXIMUM_ROWS	The maximum number of rows the code table is allowed to have.
PROGRAM_SORTING_COLUMN	The default column to sort on when retrieving rows.
PROGRAM_UNIQUENESS	A space separated list of booleans which specify whether columns should have unique values.
PURPOSE_FILENAME	The name of the code table.

PURPOSE_MAXIMUM_ROWS	The maximum number of rows the code table is allowed to have.
PURPOSE_SORTING_COLUMN	The default column to sort on when retrieving rows.
PURPOSE_UNIQUENESS	A space separated list of booleans which specify whether columns should have unique values.
REASON_CAUSE_FILENAME	The name of the code table.
REASON_CAUSE_MAXIMUM_ROWS	The maximum number of rows the code table is allowed to have.
REASON_CAUSE_SORTING_COLUMN	The default column to sort on when retrieving rows.
REASON_CAUSE_UNIQUENESS	A space separated list of booleans which specify whether columns should have unique values.
DATABASE_DEBUGGING	Will cause the database to produce extra debugging output.
DATABASE_USER_NAME	The user that GRIS uses to log onto Oracle with.
DATABASE_OWNER	The name of the database schema
DATABASE_USERS	The maximum number of users allowed on the database at any one time.
DATABASE_WAIT	The longest the application will wait to access a table.
SQL_QUERY_LENGTH	(Internal) the maximum text length of an SQL query.
MAX_DATABASE_GETS	The increment used to get records for the database index screens.
REMARK_TABLE_NAME	The name of the table used to store the message remarks.
SUMMARY_TABLE_NAME	The name of the table used to store the lines that appear on index screens.
ADDRESSEE_DATABASE_NAME	The name of the table.

ADDRESSEE_DATABASE_SIZE	The maximum size that GRIS will allow the table to be.
ADDRESSEE_KEYS_UNIQUE	Whether or not the keys for the table are unique.
ADDRESSEE_TABLE_NAME	The name of the table that holds to and info addressees.
INCOMING_MESSAGE_DATABASE_NAME	The name of the table.
INCOMING_MESSAGE_DATABASE_SIZE	The maximum size that GRIS will allow the table to be.
INCOMING_MESSAGE_KEYS_UNIQUE	Whether or not the keys for the table are unique.
MESSAGE_LOCK_DATABASE_NAME	The name of the table.
MESSAGE_LOCK_DATABASE_SIZE	The maximum size that GRIS will allow the table to be.
MESSAGE_LOCK_KEYS_UNIQUE	Whether or not the keys for the table are unique.
MISSION_DATABASE_NAME	The name of the table.
MISSION_DATABASE_SIZE	The maximum size that GRIS will allow the table to be.
MISSION_KEYS_UNIQUE	Whether or not the keys for the table are unique.
MISSION_MESSAGE_TABLE_NAME	The name of the auxiliary table that holds Recon 3 and 4 message information.
MISSION_MESSAGE_REMARK_TABLE_NAME	The name of the auxilliary table that holds Recon 3 and 4 message remarks.
NICKNAME_DATABASE_NAME	The name of the table.
NICKNAME_DATABASE_SIZE	The maximum size that GRIS will allow the table to be.
NICKNAME_KEYS_UNIQUE	Whether or not the keys for the table are unique.
OUTGOING_MESSAGE_DATABASE_NAME	The name of the table.
OUTGOING_MESSAGE_DATABASE_SIZE	The maximum size that GRIS will allow the table to be.

OUTGOING_MESSAGE_KEYS_UNIQUE	Whether or not the keys for the table are unique.
SECTIONAL_MESSAGE_DATABASE_NAME	The name of the table.
SECTIONAL_MESSAGE_DATABASE_SIZE	The maximum size that GRIS will allow the table to be.
SECTIONAL_MESSAGE_KEYS_UNIQUE	Whether or not the keys for the table are unique.
STATUS_LOG_DATABASE_NAME	The name of the table.
STATUS_LOG_DATABASE_SIZE	The maximum size that GRIS will allow the table to be.
STATUS_LOG_KEYS_UNIQUE	Whether or not the keys for the table are unique.
TEXT_DATABASE_NAME	The name of the table.
TEXT_DATABASE_SIZE	The maximum size that GRIS will allow the table to be.
TEXT_KEYS_UNIQUE	Whether or not the keys for the table are unique.
TRACK_DATABASE_NAME	The name of the table.
TRACK_DATABASE_SIZE	The maximum size that GRIS will allow the table to be.
TRACK_DICTIONARY_INFO_TABLE_NAME	The name of the auxilliary table that holds track dictionary information.
TRACK_KEYS_UNIQUE	Whether or not the keys for the table are unique.
TRACK_EVENT_TABLE_NAME	The name of the auxilliary table that holds track event information.
TRACK_ORBIT_TABLE_NAME	The name of the auxilliary table that holds track orbit information.