



IAMMS Database Manual

IAMMS
ELIMINATE DOWNTIME

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Chapter 1

Oracle Tables

The table create statements are located on the IAMMS installation CD in a file called 'IAMMSORA.SQL'. The file consist of Oracle tables create statements. These create statement must be executed before using the IAMMS system Used SQL Plus to execute the 'IAMMSORA.SQL' file. All tables must be created before using the IAMMS system.

For information on setting up and Installing the Oracle Database / Server and Connecting to the Oracle database, consult your Oracle installation manual.

Database User ID and Password

Create an oracle User Id called 'IAMMS' and a password called 'IAMMS' this will be for the IAMMS system to used at logon time. When users logon to the IAMMS system they will be assign a unique IAMMS system user id's and password by the IAMMS system adminstrator. The default IAMMS system user id is 'SYSTEM' and the password is 'DATA'.

IAMMS INI File

The IAMMS.INI file is located in the IAMMS directory. The file consist of IAMMS system parameters. The 'SERVER' section must be updated with the database server name (eg. SERVERNAME=@tns:suntcp_tst).

Loading of IAMMS Data Into the Database

After setting up the database there is one more step before accessing the IAMMS system. On the IAMMS installation directory there is a 'Database Utility' called 'dbutility.exe' that is used for loading the initial data into the oracle tables. First you will need to install the IAMMS system on your desktop and double the file called 'dbutility.exe' or desktop icon. The 'Database Utility' program will prompt you for a user id and a password, used the user id of 'IAMMS' and the password of 'IAMMS'. When you are connected there is a button called 'Import Data', click this button and the data will be loaded into the oracle database. Then you can access the IAMMS system by using the IAMMS system general user id and password ('IAMMS', 'IAMMS').

Chapter 2

IAMMS Table Create Statements

Below is a list all tables in the IAMMS database.

```
CREATE TABLE SYSTEM."ADMS_ADHOC_COLUMN_LIST"
  ("COLUMN_ALIAS" VARCHAR2(30) NOT NULL,
  "COLUMN_TABLE" VARCHAR2(30),
  "COLUMN_EXPR" VARCHAR2(500),
  "DISPLAY_ORDER" NUMBER(3,0),
  "DATA_TYPE" VARCHAR2(10),
  "DATA_FORMAT" VARCHAR2(10),
  PRIMARY KEY ( "COLUMN_ALIAS" )) ;
```

```
CREATE TABLE SYSTEM."ADMS_ADHOC_TABLE_LIST"
  ("TABLE_ALIAS" VARCHAR2(30) NOT NULL,
  "TABLE_NAME" VARCHAR2(30),
  "NEXT_HIGHER_TABLE" VARCHAR2(30),
  "WHERE_EXPR" VARCHAR2(500),
  PRIMARY KEY ( "TABLE_ALIAS"
  )) ;)
```

```
CREATE TABLE SYSTEM."ADMS_CODES"
  ("TYPE" VARCHAR2(20) NOT NULL,
  "VALUE" VARCHAR2(10) NOT NULL,
  "DESCRIPTION" VARCHAR2(80) NOT NULL,
  "UPDATED_BY" VARCHAR2(20),
  "LAST_UPDATED" DATE,
  "COST" NUMBER(5,2),
  PRIMARY KEY ( "TYPE", "VALUE" )) ;
```

```
CREATE TABLE SYSTEM."AUDIT_ADMS_POINTS"
  ("AUDIT_NUMBER" FLOAT NOT NULL,
  "AUDIT_TYPE" VARCHAR2(2) NOT NULL,
  "ANALYZER" VARCHAR2(20) NOT NULL,
  "CHANGE_DATE" DATE NOT NULL,
  "SEQ_NUMBER" FLOAT NOT NULL,
  "POINT_CODE" VARCHAR2(10),
  "POINT_ID" VARCHAR2(20),
  "PPE1" VARCHAR2(1),
  "PPE2" VARCHAR2(1),
  "PPE3" VARCHAR2(1),
  "PPE4" VARCHAR2(1),
  "PPE5" VARCHAR2(1),
  "PPE6" VARCHAR2(1),
  "PPE7" VARCHAR2(1),
  "PPE8" VARCHAR2(1),
  "POINT_LOC" VARCHAR2(320),
  "UPDATED_BY" VARCHAR2(10),
```

```
        "LAST_UPDATED" DATE,  
        "UNIT" VARCHAR2(10),  
        "STREAM" VARCHAR2(5),  
PRIMARY KEY ( "AUDIT_NUMBER", "AUDIT_TYPE",  
        "ANALYZER"  
        )) ;
```

```
CREATE TABLE SYSTEM."ADMS_CAL_SCHED"  
( "ANALYZER" VARCHAR2(20) NOT NULL,  
  "ACTION" VARCHAR2(4) NOT NULL,  
  "UNIT" VARCHAR2(10),  
  "UPDATED_BY" VARCHAR2(10),  
  "LAST_UPDATED" DATE,  
  "FREQUENCY" FLOAT,  
  "DESCRIPTION" VARCHAR2(80),  
PRIMARY KEY ( "ANALYZER", "ACTION" )) ;
```

```
CREATE TABLE SYSTEM."ADMS_ANALYZER"  
( "ANALYZER_NUMBER" VARCHAR2(20) NOT NULL,  
  "START_DATE" DATE,  
  "UNIT" VARCHAR2(10),  
  "SERIAL_NO" VARCHAR2(30),  
  "VALVE_TYPE" VARCHAR2(15),  
  "VALVE_NO" FLOAT,  
  "DETECTOR" VARCHAR2(15),  
  "WORK_ORDER_NO" VARCHAR2(15),  
  "PURCHASE_ORDER_NO" VARCHAR2(15),  
  "FACTORY" VARCHAR2(25),  
  "PROJECT_ENGINEER" VARCHAR2(25),  
  "KPCPA" VARCHAR2(1),  
  "UPDATED_BY" VARCHAR2(15),  
  "LAST_UPDATED" DATE,  
  "DESCRIPTION" VARCHAR2(80),  
  "CONTROL_POINT" VARCHAR2(1),  
  "SAFE_CRIT" VARCHAR2(1),  
  "CAL_FRE" FLOAT,  
  "ANALYZER_TYPE" VARCHAR2(2),  
  "CAL_ACTION" VARCHAR2(4),  
  "CAL_PPM_PER" VARCHAR2(2),  
  "ZRANGE" FLOAT,  
  "SRANGE" FLOAT,  
  "CAL_TYPE" VARCHAR2(2),  
  "EQUIPMENT_TYPE" VARCHAR2(10),  
  "VIEW_NUM" FLOAT,  
  "TAG_NO" VARCHAR2(20),  
  "MODEL" VARCHAR2(15),  
  "SHUTDOWN" VARCHAR2(1),  
  "PROCEDURE_NO" VARCHAR2(15),  
  "CONTROL_POINT_NO" VARCHAR2(15),  
  "SECOND_GROUP" VARCHAR2(10),  
  "COMMENTTEXT" VARCHAR2(150),  
  "TOL_LIMIT" NUMBER(6,2),  
  "ISO" VARCHAR2(1),  
  "GPS_LOCATION" VARCHAR2(50),  
PRIMARY KEY ( "ANALYZER_NUMBER" )) ;
```

```
CREATE TABLE SYSTEM."ADMS_ANALYZER_ARC"
  ("ANALYZER_NUMBER" VARCHAR2(20) NOT NULL,
  "START_DATE" DATE,
  "UNIT" VARCHAR2(10),
  "SERIAL_NO" VARCHAR2(30),
  "VALVE_TYPE" VARCHAR2(15),
  "VALVE_NO" FLOAT,
  "DETECTOR" VARCHAR2(15),
  "WORK_ORDER_NO" VARCHAR2(15),
  "PURCHASE_ORDER_NO" VARCHAR2(15),
  "FACTORY" VARCHAR2(25),
  "PROJECT_ENGINEER" VARCHAR2(25),
  "KPCPA" VARCHAR2(1),
  "UPDATED_BY" VARCHAR2(15),
  "LAST_UPDATED" DATE,
  "DESCRIPTION" VARCHAR2(80),
  "CONTROL_POINT" VARCHAR2(1),
  "SAFE_CRIT" VARCHAR2(1),
  "CAL_FRE" FLOAT,
  "ANALYZER_TYPE" VARCHAR2(2),
  "CAL_ACTION" VARCHAR2(4),
  "CAL_PPM_PER" VARCHAR2(2),
  "ZRANGE" FLOAT,
  "SRANGE" FLOAT,
  "CAL_TYPE" VARCHAR2(2),
  "EQUIPMENT_TYPE" VARCHAR2(10),
  "VIEW_NUM" FLOAT,
  "TAG_NO" VARCHAR2(20),
  "MODEL" VARCHAR2(15),
  "SHUTDOWN" VARCHAR2(1),
  "PROCEDURE_NO" VARCHAR2(15),
  "CONTROL_POINT_NO" VARCHAR2(15),
  "SECOND_GROUP" VARCHAR2(10),
  "COMMENTTEXT" VARCHAR2(150),
  "TOL_LIMIT" NUMBER(6,2),
  "ISO" VARCHAR2(1),
  "GPS_LOCATION" VARCHAR2(50),
PRIMARY KEY (
  "ANALYZER_NUMBER"
)) ;
```

```
CREATE TABLE SYSTEM."ADMS_CAL"
  ("ANALYZER" VARCHAR2(20) NOT NULL,
  "SEQ" FLOAT NOT NULL,
  "CHANGE_DATE" DATE NOT NULL,
  "DOWN_TIME" NUMBER(5,2),
  "TECH_ID" VARCHAR2(10),
  "CAL_CYL1" VARCHAR2(20),
  "CAL_PRES1" VARCHAR2(10),
  "CAL_CYL2" VARCHAR2(20),
  "CAL_PRES2" VARCHAR2(10),
  "SYMptom" VARCHAR2(4),
  "FAULT" VARCHAR2(4),
  "ACTION" VARCHAR2(4),
  "COMMENTS" FLOAT,
```

```
"UPDATED_BY" VARCHAR2(10),
"LAST_UPDATED" DATE,
"UNIT" VARCHAR2(10),
"ZERO_TOL" VARCHAR2(10),
"SPAN_TOL" VARCHAR2(10),
"MON_LOW" VARCHAR2(10),
"MON_HIGH" VARCHAR2(10),
"CAL_LOW" VARCHAR2(10),
"CAL_HIGH" VARCHAR2(10),
"REPAIR_TIME" NUMBER(5,2),
"SCHED_SW" VARCHAR2(2),
"COMMENTTEXT" VARCHAR2(2000),
"START_TIME" NUMBER(4,0),
"END_TIME" NUMBER(4,0),
"DRIFT_TIME" NUMBER(4,0),
PRIMARY KEY (
"ANALYZER",
"SEQ",
"CHANGE_DATE"
)) ;
```

```
CREATE TABLE SYSTEM."ADMS_BOTTLE"
("ANALYZER_NUMBER" VARCHAR2(20) NOT NULL,
"CHANGE_DATE" DATE NOT NULL,
"SEQ_NUMBER" FLOAT NOT NULL,
"BOTTLE_TYPE" VARCHAR2(10),
"TECH_ID" VARCHAR2(15),
"COMMENTS" VARCHAR2(80),
"UPDATE_BY" VARCHAR2(15),
"LAST_UPDATE" DATE,
"UNIT" VARCHAR2(10),
"SERVICE_INTERVAL" FLOAT,
PRIMARY KEY (
"ANALYZER_NUMBER",
"CHANGE_DATE",
"SEQ_NUMBER"
)) ;
```

```
CREATE TABLE SYSTEM."ADMS_COLUMN"
("ANALYZER" VARCHAR2(20) NOT NULL,
"CHANGE_DATE" DATE NOT NULL,
"COLUMN_NO" VARCHAR2(10) NOT NULL,
"LENGTH" VARCHAR2(10),
"SYMBOL_NO" VARCHAR2(10),
"DESCRIPTION" VARCHAR2(160),
"COL_FUNCTION" VARCHAR2(80),
"BAKE_TIME" VARCHAR2(10),
"BAKE_TEMP" VARCHAR2(10),
"MAX_TEMP" VARCHAR2(10),
"UPDATED_BY" VARCHAR2(10),
"LAST_UPDATED" DATE,
"UNIT" VARCHAR2(10),
PRIMARY KEY (
```

```
"ANALYZER",  
"CHANGE_DATE",  
"COLUMN_NO"  
) ) ;
```

```
CREATE TABLE SYSTEM."ADMS_COMMENTS"  
( "COMNUM" FLOAT NOT NULL,  
  "COMMENTS" VARCHAR2(2000) NOT NULL,  
PRIMARY KEY ( "COMNUM" ) ) ;
```

```
CREATE TABLE SYSTEM."ADMS_COMP"  
( "ANALYZER" VARCHAR2(20) NOT NULL,  
  "STREAM" VARCHAR2(10) NOT NULL,  
  "CHANGE_DATE" DATE NOT NULL,  
  "SEQ_NUMBER" FLOAT NOT NULL,  
  "COMPONENTS" VARCHAR2(20),  
  "RANGE" VARCHAR2(20),  
  "READ_DEVICE" VARCHAR2(20),  
  "UPPER_LIMIT" VARCHAR2(10),  
  "LOWER_LIMIT" VARCHAR2(10),  
  "UPDATED_BY" VARCHAR2(10),  
  "LAST_UPDATED" DATE,  
  "UNIT" VARCHAR2(10),  
  "ULIM" NUMBER(6,2),  
  "LLIM" NUMBER(6,2),  
  "SPAN" VARCHAR2(15),  
  "ZERO" VARCHAR2(15),  
  "TAG" VARCHAR2(15),  
  "DCS" VARCHAR2(15),  
  "NEST" VARCHAR2(15),  
  "SLOT" VARCHAR2(15),  
  "POINT" VARCHAR2(15),  
  "COMP_CHANNEL" VARCHAR2(15),  
  "COMP_UNIT" VARCHAR2(15),  
  "COMP_LOOP" VARCHAR2(15),  
PRIMARY KEY ( "ANALYZER", "STREAM", "CHANGE_DATE", "SEQ_NUMBER" ) ) ;
```

```
CREATE TABLE SYSTEM."ADMS_CYL"  
( "CYL_NUMBER" VARCHAR2(15) NOT NULL,  
  "SEQ" FLOAT NOT NULL,  
  "REC_DATE" DATE,  
  "ACT_DATE" DATE,  
  "VER_LAB" DATE,  
  "VER_ANL" DATE,  
  "COMMENTS" VARCHAR2(80),  
  "CYL_TYPE" VARCHAR2(20),  
  "LOCATION" VARCHAR2(50),  
  "UNIT" VARCHAR2(10),  
  "EMPTY_DATE" DATE,  
  "COMP_TOL" VARCHAR2(10),  
  "ANALYER_NUMBER" VARCHAR2(15),  
  "LAST_UPDATED" DATE,
```

```
"UPDATED_BY" VARCHAR2(10),
"NO_BACKUPS" FLOAT,
"TYPE_BACKUP" VARCHAR2(1),
"CAL_PRESS" VARCHAR2(10),
"EMPTY" VARCHAR2(1),
"CAL_LOW" FLOAT,
"CAL_HIGH" FLOAT,
"CAL_TYPE" VARCHAR2(2),
"CAL_SPAN" NUMBER(6,2),
"UNIT2" VARCHAR2(10),
"UNIT3" VARCHAR2(10),
"UNIT4" VARCHAR2(10),
"UNIT5" VARCHAR2(10),
"UNIT6" VARCHAR2(10),
"UNIT7" VARCHAR2(10),
"UNIT8" VARCHAR2(10),
"CYL_NUMBERXX" VARCHAR2(15),
PRIMARY KEY ( "CYL_NUMBER", "SEQ" )) ;
```

```
CREATE TABLE SYSTEM."ADMS_CYLINDER_COMPONENTS"
("CYL_NUMBER" VARCHAR2(20) NOT NULL,
"COMPONENTS" VARCHAR2(20) NOT NULL,
"CYLVALUE" NUMBER(7,2),
"CYLMOL" VARCHAR2(10),
"UPDATED_BY" VARCHAR2(10),
"LAST_UPDATED" DATE,
"ACTUAL" CHAR(1),
"CYLHVALUE" NUMBER(7,2),
"CYL_COMMENT" VARCHAR2(60),PRIMARY KEY (
"CYL_NUMBER",
"COMPONENTS"
)) ;
```

```
CREATE TABLE SYSTEM."ADMS_CYLINDER_TYPES"
("CYL_NUMBER" VARCHAR2(20) NOT NULL,
"VENDOR" VARCHAR2(25),
"UPDATED_BY" VARCHAR2(15),
"LAST_UPDATED" DATE,
"DESCRIPTION" VARCHAR2(80),
"CYL_ACCUR" VARCHAR2(20),
"CYL_READ_TYPE" CHAR(2),
PRIMARY KEY (
"CYL_NUMBER"
)) ;
```

```
CREATE TABLE SYSTEM."ADMS_DCAL"
("ANALYZER" VARCHAR2(20) NOT NULL,
"SEQ" FLOAT NOT NULL,
"CHANGE_DATE" DATE NOT NULL,
"DOWN_TIME" NUMBER(5,2),
"TECH_ID" VARCHAR2(10),
"CAL_CYL1" VARCHAR2(20),
"CAL_PRES1" VARCHAR2(10),
"CAL_CYL2" VARCHAR2(20),
"CAL_PRES2" VARCHAR2(10),
```

```

"SYMTOM" VARCHAR2(4),
"FAULT" VARCHAR2(4),
"ACTION" VARCHAR2(4),
"COMMENTS" FLOAT,
"UPDATED_BY" VARCHAR2(10),
"LAST_UPDATED" DATE,
"UNIT" VARCHAR2(10),
"ZERO_TOL" VARCHAR2(10),
"SPAN_TOL" VARCHAR2(10),
"MON_LOW" VARCHAR2(10),
"MON_HIGH" VARCHAR2(10),
"CAL_LOW" VARCHAR2(10),
"CAL_HIGH" VARCHAR2(10),
"REPAIR_TIME" NUMBER(5,2),
"SCHEM_SW" VARCHAR2(2),
"COMMENTTEXT" VARCHAR2(2000),
"START_TIME" NUMBER(4,0),
"END_TIME" NUMBER(4,0),
"DRIFT_TIME" NUMBER(4,0),
PRIMARY KEY (
"ANALYZER",
"SEQ",
"CHANGE_DATE"
)) ;

```

```

CREATE TABLE SYSTEM."ADMS_EPA_CAL"
("ANALYZER" VARCHAR2(20) NOT NULL,
"SEQ" FLOAT NOT NULL,
"CHANGE_DATE" DATE NOT NULL,
"DOWN_TIME" NUMBER(5,2),
"TECH_ID" VARCHAR2(10),
"CAL_CYL1" VARCHAR2(20),
"CAL_PRES1" VARCHAR2(10),
"CAL_CYL2" VARCHAR2(20),
"CAL_PRES2" VARCHAR2(10),
"SYMTOM" VARCHAR2(4),
"FAULT" VARCHAR2(4),
"ACTION" VARCHAR2(4),
"COMMENTS" FLOAT,
"UPDATED_BY" VARCHAR2(10),
"LAST_UPDATED" DATE,
"UNIT" VARCHAR2(10),
PRIMARY KEY (
"ANALYZER",
"SEQ",
"CHANGE_DATE"
)) ;

```

```

CREATE TABLE SYSTEM."ADMS_FACTOR"
("ANALYZER" VARCHAR2(20) NOT NULL,
"STREAM" VARCHAR2(4) NOT NULL,
"CHANGE_DATE" DATE NOT NULL,
"SEQ_NUMBER" FLOAT NOT NULL,

```

```
"DESCRIPTION" VARCHAR2(80),
"EVENT" VARCHAR2(20),
"FOUND" NUMBER(6,2),
"LEFT" NUMBER(6,2),
"STD_CONC" NUMBER(6,2),
"UPDATED_BY" VARCHAR2(10),
"LAST_UPDATED" DATE,
"UNIT" VARCHAR2(10),
"FACTOR" VARCHAR2(20),
PRIMARY KEY (
  "ANALYZER",
  "STREAM",
  "CHANGE_DATE",
  "SEQ_NUMBER"
)) ;

CREATE TABLE SYSTEM."ADMS_FLOW"
("ANALYZER" VARCHAR2(20) NOT NULL,
"CHANGE_DATE" DATE NOT NULL,
"SEQ_NUMBER" FLOAT NOT NULL,
"FLOW_MODE" VARCHAR2(10),
"SV1" VARCHAR2(10),
"SV2" VARCHAR2(10),
"CV1" VARCHAR2(10),
"CV2" VARCHAR2(10),
"CV3" VARCHAR2(10),
"CV4" VARCHAR2(10),
"CV5" VARCHAR2(10),
"COL" VARCHAR2(10),
"REST" VARCHAR2(20),
"FLOW" VARCHAR2(20),
"MEAS" VARCHAR2(20),
"UPDATED_BY" VARCHAR2(10),
"LAST_UPDATED" DATE,
"SEQ" FLOAT,
"UNIT" VARCHAR2(10),
"STREAM" VARCHAR2(4),
PRIMARY KEY (
  "ANALYZER",
  "CHANGE_DATE",
  "SEQ_NUMBER"
)) ;
```

```
CREATE TABLE SYSTEM."ADMS_IMAGE"
("ANALYZER" VARCHAR2(20) NOT NULL,
"IM_1" VARCHAR2(60) NOT NULL,
"IM_DESCRIPTION1" VARCHAR2(60),
"SOUND1" VARCHAR2(1),
"LAST_UPDATED" DATE,
"UPDATED_BY" VARCHAR2(10),
"PROC_SEQ" VARCHAR2(10),
PRIMARY KEY (
```

```
"ANALYZER" ,  
"IM_1"  
) ) ;
```

```
CREATE TABLE SYSTEM."ADMS_LEVEL"  
("LEVEL_KEY" FLOAT NOT NULL,  
"GAUGE_LEVEL" FLOAT,  
"METER_LEVEL" FLOAT,  
"RULER_LEVEL" FLOAT,  
"COMPONENT" FLOAT,  
"TIME" FLOAT,  
"FACTOR" FLOAT,  
"MAINT_LOG" FLOAT,  
"PROCESS" FLOAT,  
"BOTTLE" FLOAT,  
"REVISION" FLOAT,  
"PRESSURE" FLOAT,  
"COLUMN_REC" FLOAT,  
"SAMPLE" FLOAT,  
"FLOW" FLOAT,  
"COMMENTS" FLOAT,  
"CYL" FLOAT,  
"BIRTH" FLOAT,  
"CAL_ACTION" VARCHAR2(10),  
"CAL_SYMPTOM" VARCHAR2(10),  
"SHARED_LEARN" FLOAT,  
"SHARED_LEARN_LOG" FLOAT,  
PRIMARY KEY (  
"LEVEL_KEY"  
) ) ;
```

```
CREATE TABLE SYSTEM."ADMS_PCD"  
("NAME" VARCHAR2(60) NOT NULL,  
"DESCRIPTION" VARCHAR2(60),  
"LAST_UPDATED" DATE,  
"UPDATED_BY" VARCHAR2(10),  
"PROC_SEQ" VARCHAR2(10),  
PRIMARY KEY (  
"NAME"  
) ) ;
```

```
CREATE TABLE SYSTEM."ADMS_PINFO"  
("ANALYZER" VARCHAR2(20) NOT NULL,  
"STREAM" VARCHAR2(10) NOT NULL,  
"BEGIN_DATE" DATE NOT NULL,  
"END_DATE" DATE,  
"APPL" VARCHAR2(80),  
"CYCLE_TIME" VARCHAR2(10),  
"SYMBOL_NO" VARCHAR2(10),  
"CAL_FREQ" VARCHAR2(10),  
"SYS_CONF1" VARCHAR2(80),  
"SYS_CONF2" VARCHAR2(80),
```

```

"INSTR" VARCHAR2(10),
"RECERT_FREQ" VARCHAR2(10),
"SHELTER_NO" VARCHAR2(10),
"PURPOSE" VARCHAR2(240),
"UPDATED_BY" VARCHAR2(10),
"LAST_UPDATED" DATE,
"UNIT" VARCHAR2(10),
PRIMARY KEY (
"ANALYZER",
"STREAM",
"BEGIN_DATE"
)) ;

CREATE TABLE SYSTEM."ADMS_POINTS"
("ANALYZER" VARCHAR2(20) NOT NULL,
"CHANGE_DATE" DATE NOT NULL,
"SEQ_NUMBER" FLOAT NOT NULL,
"POINT_CODE" VARCHAR2(10),
"POINT_ID" VARCHAR2(20),
"PPE1" VARCHAR2(1),
"PPE2" VARCHAR2(1),
"PPE3" VARCHAR2(1),
"PPE4" VARCHAR2(1),
"PPE5" VARCHAR2(1),
"PPE6" VARCHAR2(1),
"PPE7" VARCHAR2(1),
"PPE8" VARCHAR2(1),
"POINT_LOC" VARCHAR2(320),
"UPDATED_BY" VARCHAR2(10),
"LAST_UPDATED" DATE,
"UNIT" VARCHAR2(10),
"STREAM" VARCHAR2(5),
PRIMARY KEY (
"ANALYZER",
"CHANGE_DATE",
"SEQ_NUMBER"
)) ;

CREATE TABLE SYSTEM."IAMMS_SCHEDULED_TASK"
("IAMMS_TASK_SEQ" FLOAT NOT NULL,
"IAMMS_DISABLE_TASK" VARCHAR2(2) ,
"IAMMS_MONDAY" VARCHAR2(2) ,
"IAMMS_TUESDAY" VARCHAR2(2) ,
"IAMMS_WEDNESDAY" VARCHAR2(2) ,
"IAMMS_THURSDAY" VARCHAR2(2) ,
"IAMMS_FRIDAY" VARCHAR2(2) ,
"IAMMS_SATURDAY" VARCHAR2(2) ,
"IAMMS_SUNDAY" VARCHAR2(2) ,
"IAMMS_TASK_START_DATE" DATE,
"IAMMS_TASK_END_DATE" DATE,
"IAMMS_TASK_START_TIME" VARCHAR2(5) ,
"IAMMS_TASK_END_TIME" VARCHAR2(5) ,
"IAMMS_INTERVAL" FLOAT NULL,
"IAMMS_RUN_PROCESS" VARCHAR2(100),
"IAMMS_PROCESS_DESCRIPTION" VARCHAR2(100),

```

```
"IAMMS_UPDATED_BY" VARCHAR2(15),
"IAMMS_LAST_RUN_DATE" DATE,
"IAMMS_LAST_UPDATED" DATE,
PRIMARY KEY ("IAMMS_TASK_SEQ" ) ) ;
```

```
CREATE TABLE SYSTEM."IAMMS_COUNTERS"
("COUNTER_NAME" VARCHAR2(20) NOT NULL,
"COUNTER_NUMBER" FLOAT,
PRIMARY KEY (
"COUNTER_NAME"
)) ;
```

```
CREATE TABLE SYSTEM."IAMMS_EMAIL_GRP"
("EMAIL_GROUP" VARCHAR2(10) NOT NULL,
"IAMMS_USER_ID" VARCHAR2(10) NOT NULL,
"IAMMS_USER_NAME" VARCHAR2(50) NOT NULL,
PRIMARY KEY ("EMAIL_GROUP",
"IAMMS_USER_ID"
)) ;
```

Contact:

MTI Analytical Technology

P.O. Box 571866

Houston, TX 77257-1866

Tel: +1 (713) 978-7765 Fax: +1 (713) 978-6230

E-mail: dcmerriman@mertechinc.com

www.mertechinc.com