

## Data Distribution System (DDS) – Web Site Development

DDS Web Site

Oracle Schema & Tables

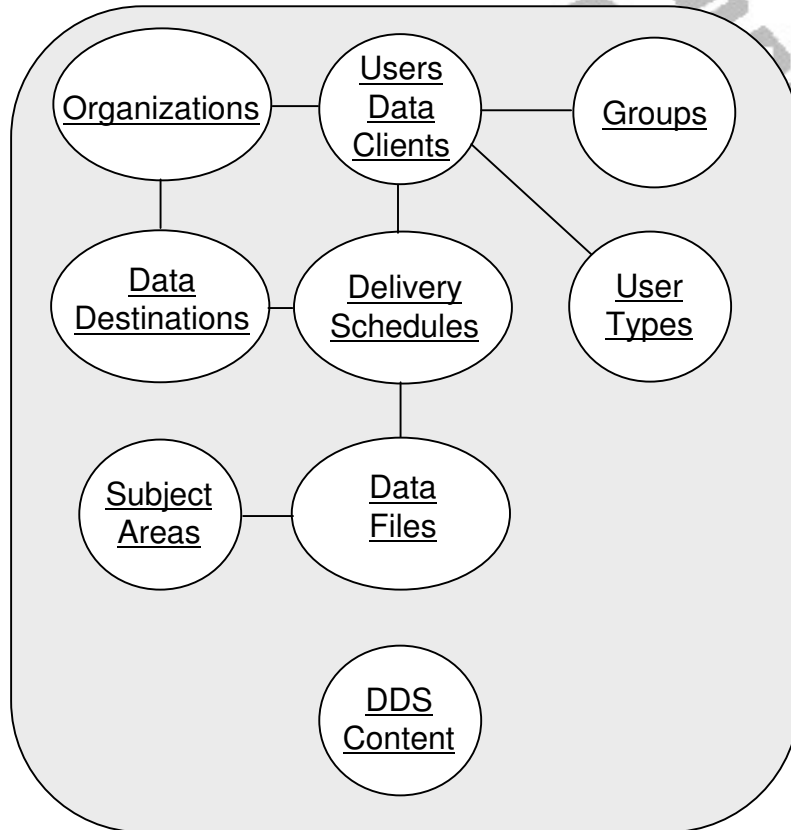
Data Posting Processes

# DDS Web Site – Database Deployment Phases

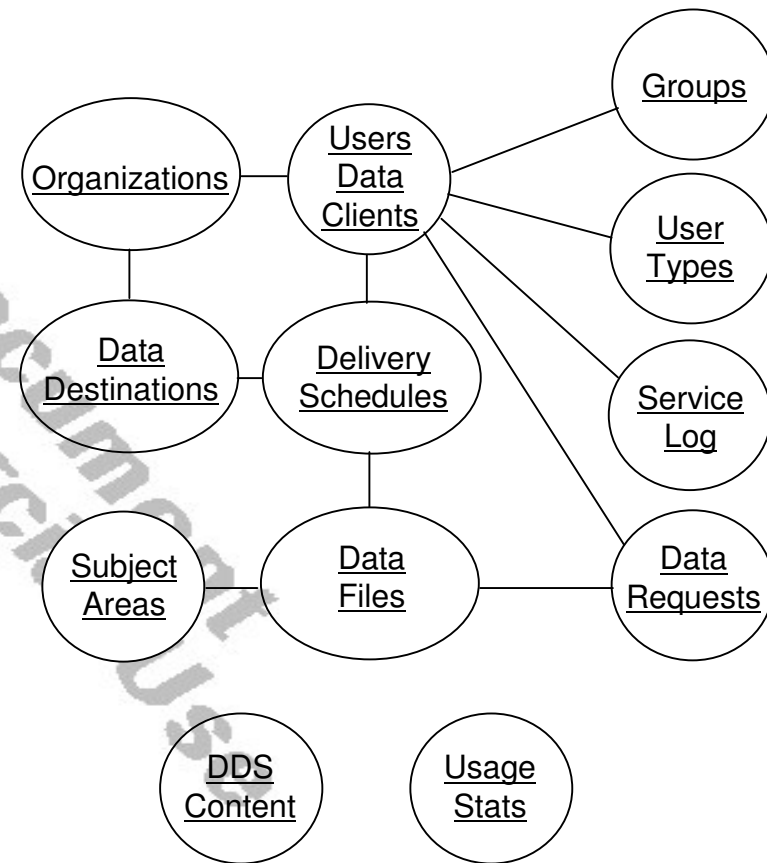
## Data Distribution System (DDS) – Web Site Development

### Oracle Schema – Logical View

#### PHASE I-A & PHASE I-B



#### PHASE x



## DDS Web Site – Database Deployment Phases

### Data Distribution System (DDS) – Web Site Development

#### Oracle Tables – Usage Notes

Phase	Table	Usage Notes
Phase I-A	Users / Clients  "WHO"	<ul style="list-style-type: none"><li>• Every DDS web page user must have a user record in the DDS metadata or login to the DDS web page fails.</li><li>• User Type field controls which DDS home page is displayed to user; either the user/client menu or the DW administrator menu.</li><li>• A user record must exist to create a data delivery schedule; however, users can be defined that do not receive data, such as DW administrators.</li><li>• The assignment of an organization, group or DW account manager is not required; however, if the user receives data, an organization must be defined and assigned to the user in order to define a data delivery destination and define a data delivery schedule record.</li><li>• DDS web site login activity posted to user record.</li><li>• Number of different data files and delivery destinations scheduled posted to user record.</li><li>• Number of data file requests posted to user record if data requests are saved in a DDS request table (TBD).</li></ul>

## DDS Web Site – Database Deployment Phases

### Data Distribution System (DDS) – Web Site Development

#### Oracle Tables – Usage Notes

Phase	Table	Usage Notes
Phase I-A	Data Files  “WHAT”	<ul style="list-style-type: none"><li>• One data file record is created for each ‘inventoried’ physical file in the DW. Base line objective of DDS is to inventory all physical files that are delivered to the DW from external sources and all physical files that the DW moves/copies and/or otherwise delivers by FTP, NFS, or FileSafe to a delivery destination, data path or referenced by the DataSender script function.</li><li>• A data file record must exist before a data file delivery schedule record can be defined.</li><li>• If the file is to be displayed on the DDS web site the Standard File field is set to ‘Y’, a Subject Area is assigned, a Web Display Name and Content Description is defined, and document link paths are set for the MetaData, Record Layout and Description Documents.</li><li>• An Owner User ID can be optionally assigned to a data file record to indicate a file ‘owner’.</li><li>• A Subject Area can be optionally assigned to a data file record; Subject Area assignment required if file is displayed on the DDS web site.</li><li>• Every file definition must include a data path.</li><li>• A data file definition can also include the path and name of one related control data file.</li><li>• If the data file is created from a DW process, then the Internal Source is set to ‘Y’. Additional fields to identify the ETL or transmit scripts used to generate the data file, along with any script log file names, are optionally completed.</li><li>• If the data file is received from an external source, then External Source is set to ‘Y’ and additional data source information fields are optionally completed.</li><li>• In Phase-x the last date/time/file size fields are posted from the physical data files to the DDS metadata to show file status information.</li><li>• In order to keep a sequence ordered record of file path and file name changes separate tables for ‘previous’ and ‘next’ files would be required to manage M:1:M source file(s):file:output file(s).</li></ul>

## DDS Web Site – Database Deployment Phases

### Data Distribution System (DDS) – Web Site Development

#### Oracle Tables – Usage Notes

Phase	Table	Usage Notes
Phase I-B	Destinations  “HOW”	<ul style="list-style-type: none"><li>• One destination record is defined for each FTP and NFS connection, and may be used to define machine names and application groups for NFS file copy/move (TBD).</li><li>• The objective of the destination table is to store connection parameters such as Host Name, Login and Passwords that would otherwise be repeated in the data delivery schedule table if included there with each file delivery definition. By having a destination table if a change is made to a login, then the change can be made in one place instead of across many occurrences if this data is stored with delivery schedule records. Fields should not be added to the Destinations table if the values in a field would change based on a particular data file or transmission/processing script.</li><li>• Delivery destinations are ‘owned’ by the Organization table. The notion here is that a destination is typically a corporate resource and is not generally associated with an individual or data client. The Organization record must exist before a destination record is defined.</li><li>• A User ID can be assigned to a destination record to indicate who the responsible person or technical representative is to handle questions for the delivery destination.</li><li>• Each destination is required to have a Destination Name which is a logical identifier used as the display name of the destination on the DDS web site.</li><li>• The Protocol Type field is required for destination definition and is used to display the type of connection on the DDS web site.</li></ul>

## DDS Web Site – Database Deployment Phases

### Data Distribution System (DDS) – Web Site Development

#### Oracle Tables – Usage Notes

Phase	Table	Usage Notes
Phase I-B	Delivery Schedules  "WHERE"	<ul style="list-style-type: none"><li>• One delivery schedule record is required for every file that is copy/moved or otherwise transferred to a delivery destination that can be either part of or external to the DW.</li><li>• The objective of the Delivery Schedule table is to provide the 'TO' file path and name for a data file transfer. The 'FROM' file path and name is found in the Data Files table.</li><li>• The delivery schedule should include references to script names used during the file move/copy/transfer process.</li><li>• The delivery schedule record is the result of joining a Data File record, a delivery Destination record (if needed), and a User/Data Client record.</li><li>• The delivery schedule has information fields to indicate if the control file for a data file should also be sent to a destination.</li><li>• The delivery schedule has fields to track delivery controls indicating if a destination file should be overwritten or if empty files should be delivered.</li><li>• The delivery schedule has fields to indicate if alert email messages should be sent if a data delivery is made, will be made late, or if a processing error will prevent delivery. Alerts are not supported in production at this time; these fields are for future use.</li></ul>

## DDS Web Site – Database Deployment Phases

### Data Distribution System (DDS) – Web Site Development

#### Oracle Tables – Usage Notes

Phase	Table	Usage Notes
Phase I-A	News & Content	<ul style="list-style-type: none"><li>• One content record is required for every DW alert, news or documentation item.</li><li>• Content records are displayed according to display dates and content type.</li><li>• Content records provide a subject line, descriptive text and the option for URL links to view or download content files such as Excel, Word or PowerPoint.</li></ul>
Phase I-B & Phase x	Fact Table(s)	<ul style="list-style-type: none"><li>• Fact tables are code/description tables which can be combined and filtered on a fact type code, or maintained separately.</li><li>• Fact table subjects include organization, group, user type, subject areas, content categories, delivery protocols, request response codes, and service log actions.</li></ul>
Phase x	Usage Stats	<ul style="list-style-type: none"><li>• One usage statistics record is saved each time the job to post usage statistics is executed.</li><li>• Usage statistics for DDS web site are kept for each user and updated at user login.</li></ul>
Phase x	Request & Service Log	<ul style="list-style-type: none"><li>• Data requests, responses and customer service log records are stored in the same table with a record type code used to filter the records for display on the DDS web site.</li><li>• Request and service log records track interactions between DW data clients and DW administrators with dated request and response descriptions, actions, details and fulfillment personnel assignments.</li><li>• From DW administrative view point request, response and service log records are identified and filtered with the DW account manager ID, and log records can be copied or reassigned/forwarded to different account manager ID's to create a work flow capability.</li></ul>
TBD	Processing Logs (TBD)	<ul style="list-style-type: none"><li>• DW job logs can be imported into a DDS table to store the text of the logs for easy reference when reviewing data file status. Either one record can store the entire job log in a blob field, or a log record created for each line of text in a log file.</li></ul>

## DDS Web Site – Database Deployment Phases

### **Data Distribution System (DDS) – Web Site Development**

#### Oracle Tables -- Description

Phase	Table	Description
Phase I-A	Users / Clients	User ID, Organization ID, User Type, contact information, account manager assignment, active/inactive status, posted fields for stats.
Phase I-A	Data Files	File identification, type, source, description, related job names, link to MetaData document, business and technical owners, posted fields for last update date/time status.
Phase I-A	News & Content	Content Category Type, entry, display start and end dates, subject line, priority code (hard code), text, link to document(s).
Phase I-B	Destinations	User ID, Destination ID, description, transmission type and parameters.
Phase I-B	Delivery Schedules	User ID, Destination ID, File ID, posted fields for last update date/time status.
Phase I-B & Phase x	Fact Table(s)	Fact table or tables to store: (1) Organization ID, short and long names; (2) organization group codes and descriptions; (3) user type codes and descriptions; (4) data file subject areas; (5) DW content categories; (6) delivery protocol codes; (7) data request response codes and descriptions; (8) customer service log action codes and descriptions.
Phase x	Request & Service Log	User ID, Account Manager User ID, entry, follow-up and completion dates, data request and action type (hard code or fact table), status (hard code or fact table), description.
Phase x	Usage Stats	Month, DATE, daily stats for files processed, delivered, DW load completion time, number of requests, DDS web site usage. Posted by separate process for admin reporting.
TBD	Processing Logs (TBD)	Table for holding DW activity logs if date/time/size file stamps taken from log files instead of directly from file directory information. Fields TBD. Used for posting date/time/size status on file definition and delivery schedule records and possible log viewing.

**Data Distribution System (DDS) – Web Site Development**

**Oracle Tables – Users / Clients**

**CREATE TABLE DDS\_user (**

**IDENTIFIERS**

USER\_ID VARCHAR2(50),  
 ORG\_ID VARCHAR2(50),  
 GROUP\_ID VARCHAR2(50),  
 ACCT\_MGR\_ID VARCHAR2(50),  
 USER\_TYPE VARCHAR2(5),

**CONTACT INFO**

SALUTATION VARCHAR2(4),  
 FIRST\_NAME VARCHAR2(20),  
 MIDDLE\_INITIAL VARCHAR2(15),  
 LAST\_NAME VARCHAR2(25),  
 NAME\_SUFFIX VARCHAR2(10),  
 TITLE VARCHAR2(50),  
 COMPANY VARCHAR2(50),  
 DEPARTMENT VARCHAR2(30),  
 ADDRESS\_1 VARCHAR2(50),  
 ADDRESS\_2 VARCHAR2(50),  
 CITY VARCHAR2(35),  
 STATE VARCHAR2(2),  
 ZIP VARCHAR2(10),  
 PROVINCE VARCHAR2(25),  
 COUNTRY VARCHAR2(25),  
 WORK\_PHONE VARCHAR2(20),  
 HOME\_PHONE VARCHAR2(20),  
 CELL\_PHONE VARCHAR2(20),  
 FAX VARCHAR2(20),  
 PAGER VARCHAR2(20),  
 SECRETARY VARCHAR2(50),

**CONTACT INFO (cont.)**

EMAIL\_1 VARCHAR2(50),  
 EMAIL\_2 VARCHAR2(50),  
 COMMENT BLOB(0,1),

**STATUS**

START\_DATE DATE,  
 END\_DATE DATE,  
 ACTIVE\_STATUS VARCHAR2(1),

**ACTIVITY COUNTERS**

FIRST\_WEB\_LOGIN DATE,  
 LAST\_WEB\_LOGIN DATE,  
 NUM\_WEB\_LOGINS INTEGER,  
 NUM\_FILES\_SCHEDULED INTEGER,  
 NUM\_DESTINATIONS INTEGER,  
 NUM\_FILE\_REQUESTS INTEGER,

**CHANGE CONTROL**

ADD\_DATE DATE,  
 ADD\_USER VARCHAR2(10),  
 UPDATE\_USER VARCHAR2(10),  
 UPDATE\_TIME TIMESTAMP );

**NOTE: Review ODS tables for links to tables for Organization or Group, or locations for similar data possibly found in Persons table.**

**Data Distribution System (DDS) – Web Site Development**

**Oracle Tables – Data Files**

**CREATE TABLE DDS\_datafile (**

**IDENTIFIERS**

FILE\_ID VARCHAR2(50),  
 SUBJECT\_AREA\_ID VARCHAR2(50),  
 OWNER\_USER\_ID VARCHAR2(50),  
 STANDARD\_FILE\_YN VARCHAR2(1),

**FILE INFO**

WEB\_DISPLAY\_NAME VARCHAR2(50),  
 CONTENT\_DESCRIPTION VARCHAR2(500),  
 SOURCE\_SYSTEM VARCHAR2(50),  
 FILE\_TYPE VARCHAR2(15),  
 FILE\_FREQUENCY VARCHAR2(1),  
 FILE\_ACTIVE\_STATUS VARCHAR2(1),  
 FILE\_FORMAT VARCHAR2(10),  
 FILE\_ENCODING VARCHAR2(10),  
 FILE\_DELIMITER VARCHAR2(1),  
 RECORD\_SIZE INTEGER,  
 FIELD\_COUNT INTEGER,  
 FILE\_MAX\_SIZE INTEGER,  
 FILE\_AVERAGE\_SIZE INTEGER,  
 FILE\_MAX\_RECORDS INTEGER,  
 FILE\_AVERAGE\_RECORDS INTEGER,  
 GRANULARITY VARCHAR2(200),  
 FILTER\_CRITERIA VARCHAR2(200),  
 FILE\_SPLIT\_YN VARCHAR2(1),  
 FILE\_SPLIT\_COUNT INTEGER,  
 FILE\_SORT\_YN VARCHAR2(1),  
 FILE\_SORT\_DESC VARCHAR2(200),  
 FILE\_HAS\_HEADERS\_YN VARCHAR2(1),  
 FILE\_HAS\_TRAILERS\_YN VARCHAR2(1),  
 DESCRIPTION BLOB(0,1),  
 COMMENT BLOB(0,1),  
 TABLES\_LOADED BLOB(0,1),

**FILE DOCUMENTATION LINKS**

META\_DOC\_LINK VARCHAR2(200),  
 RECORD\_LAYOUT\_LINK VARCHAR2(200),  
 DESC\_DOC\_LINK VARCHAR2(200)

**FILE LOCATION & NAME**

FILE\_PATH VARCHAR2(200),  
 FILE\_NAME VARCHAR2(100),  
 FILE\_SUFFIX VARCHAR2(100),  
 CONTROL\_PATH VARCHAR2(200),  
 CONTROL\_FILE\_NAME VARCHAR2(100),  
 CONTROL\_FILE\_SUFFIX VARCHAR2(100),

**DW DATA SOURCE INFO**

INTERNAL\_SOURCE\_YN VARCHAR2(1),  
 SCRIPT\_TYPE VARCHAR2(10),  
 SCRIPT\_PATH VARCHAR2(200),  
 SCRIPT\_NAME VARCHAR2(100),  
 SCRIPT\_LOG\_PATH VARCHAR2(200),  
 SCRIPT\_LOG\_NAME VARCHAR2(100),  
 SCRIPT\_DATA\_PATH VARCHAR2(200),  
 SCRIPT\_DATA\_NAME VARCHAR2(100),  
 SCRIPT\_AUTOSYS\_NAME VARCHAR2(100),  
 PROCEDURE\_TYPE VARCHAR2(25),  
 PROCEDURE\_PATH VARCHAR2(200),  
 PROCEDURE\_FILE\_NAME VARCHAR2(100),  
 SYNCSORT\_CONTROL\_PATH VARCHAR2(200),  
 SYNCSORT\_CONTROL\_FILE VARCHAR2(100),

**EXTERNAL DATA SOURCE INFO**

EXTERNAL\_SOURCE\_YN VARCHAR2(1),  
 HOST\_TYPE VARCHAR2(10),  
 HOST\_JOB\_NAME VARCHAR2(100),  
 HOST\_PROCEDURE\_NAME VARCHAR2(100),  
 HOST\_DATASET\_NAME VARCHAR2(100),  
 HOST\_TRANSMIT\_JOB\_NAME VARCHAR2(100),  
 HOST\_TRANSMIT\_TYPE VARCHAR2(10),  
 HOST\_DELIVER\_TIME VARCHAR2(20),  
 HOST\_LATE\_TIME VARCHAR2(20),  
 HOST\_PROCESS\_TIME VARCHAR2(20),  
 HOST\_TRANSMIT\_TIME VARCHAR2(20),

**STATUS**

DATE\_LAST\_UPDATE DATE,  
 TIME\_LAST\_UPDATE TIMESTAMP,  
 FILE\_SIZE INTEGER,

**CHANGE CONTROL**

ADD\_DATE DATE,  
 ADD\_USER VARCHAR2(50),  
 UPDATE\_USER VARCHAR2(50),  
 UPDATE\_TIME TIMESTAMP );

**Data Distribution System (DDS) – Web Site Development**

**Oracle Tables – Destinations**

**CREATE TABLE DDS\_destination (**

**IDENTIFIERS**

DESTINATION\_ID            VARCHAR2(50),  
 ORG\_ID                    VARCHAR2(50),  
 USER\_ID                  VARCHAR2(50),

**DESTINATION INFO**

DESTINATION\_NAME        VARCHAR2(100),  
 PROTOCOL\_TYPE          VARCHAR2(10),

**NFS COPY PARAMETERS**

COPY\_MOVE\_FLAG         VARCHAR2(1)  
 MACHINE\_NAME            VARCHAR2(100),  
 APPLICATION\_GROUP      VARCHAR2(100),

**FTP PARAMETERS**

FTP\_HOST\_NAME            VARCHAR2(100),  
 FTP\_LOGIN                VARCHAR2(100),  
 FTP\_PASSWORD            VARCHAR2(100),  
 FTP\_TRANSMIT\_TYPE      VARCHAR2(1),  
 FTP\_LOG\_FILE\_YN         VARCHAR2(1),  
 FTP\_LOG\_FILE\_PATH      VARCHAR2(200),  
 FTP\_LOG\_FILE\_NAME      VARCHAR2(100),

**NFS PARAMETERS**

NFS\_NODE                 VARCHAR2(20),  
 NFS\_ID                    VARCHAR2(20),  
 NFS\_PASSWORD            VARCHAR2(20),  
 NFS\_DCB                  VARCHAR2(20),  
 NFS\_SYS                  VARCHAR2(20),  
 NFS\_SPAC                 VARCHAR2(20),  
 NFS\_DISP                 VARCHAR2(20),  
 NFS\_STAT                 VARCHAR2(20),  
 NFS\_TRIG                 VARCHAR2(20),

**STATUS**

START\_DATE                DATE,  
 END\_DATE                 DATE,  
 ACTIVE\_STATUS            VARCHAR2(1),

**CHANGE CONTROL**

ADD\_DATE                  DATE,  
 ADD\_USER                 VARCHAR2(50),  
 UPDATE\_USER             VARCHAR2(50),  
 UPDATE\_TIME              TIMESTAMP );

**NOTE: Log file information is used here for default log file information. If a log file is specified in the delivery schedule, use the delivery schedule log file instead of the destination log file name.**

**NOTE: Some of the NFS parameters are probably file specific and belong in the data file record and not in the destination record. TBD.**

**NOTE: This table should not contain file specific information; only destination / connection information.**

**Data Distribution System (DDS) – Web Site Development**

**Oracle Tables – Delivery Schedules**

**CREATE TABLE DDS\_schedule (**

**IDENTIFIERS**

SCHEDULE\_ID                    VARCHAR2(50),  
USER\_ID                         VARCHAR2(50),  
FILE\_ID                         VARCHAR2(50),  
DESTINATION\_ID                VARCHAR2(50),

**SCHEDULE INFO**

SCRIPT\_TYPE                    VARCHAR2(10),  
SCRIPT\_PATH                    VARCHAR2(200),  
SCRIPT\_NAME                    VARCHAR2(100),  
SCRIPT\_LOG\_PATH                VARCHAR2(200),  
SCRIPT\_LOG\_NAME                VARCHAR2(100),  
SCRIPT\_AUTOSYS\_NAME            VARCHAR2(100),  
FREQUENCY                      VARCHAR2(1),  
DAYS\_OF\_WEEK                  VARCHAR2(7),  
DELIVERY\_SLA\_TIME              VARCHAR2(20),  
SCHEDULE\_DESCRIPTION         VARCHAR2(100),

**FILE DELIVERY LOCATION & NAME**

TARGET\_PATH                    VARCHAR2(200),  
TARGET\_FILE\_NAME                VARCHAR2(100),  
ADD\_DATE\_TO\_NAME\_YN            VARCHAR2(1),  
CONTROL\_FILE\_YN                VARCHAR2(1),  
CONTROL\_FILE\_PATH              VARCHAR2(200),  
CONTROL\_FILE\_NAME              VARCHAR2(100),  
FLAG\_FILE\_SUFFIX                VARCHAR2(100),

**FILESAFE PARAMETERS**

FILESAFE\_DATASET\_NAME        VARCHAR2(100),  
FILESAFE\_FILE\_NAME            VARCHAR2(100),  
FILESAFE\_DATE                  DATE,

**DELIVERY CONTROLS**

REPLACE\_FILE\_YN                VARCHAR2(1),  
TRANSMIT\_EMPTY\_FILE\_YN        VARCHAR2(1),

**ALERTS**

SEND\_EMAIL\_ON\_DELIVERY        VARCHAR2(1),  
SEND\_EMAIL\_ON\_LATE            VARCHAR2(1),  
SEND\_EMAIL\_ON\_ERROR            VARCHAR2(1),  
NOTIFY\_DW\_ON\_ERROR            VARCHAR2(1),

**STATUS**

START\_DATE                      DATE,  
END\_DATE                         DATE,  
ACTIVE\_STATUS                    VARCHAR2(1),

**CHANGE CONTROL**

ADD\_DATE                         DATE,  
ADD\_USER                         VARCHAR2(50),  
UPDATE\_USER                      VARCHAR2(50),  
UPDATE\_TIME                      TIMESTAMP);

**NOTE: If REPLACE\_FILE\_YN is set to 'N', no option indicates what to do, such as rename existing file with a date/time suffix and retry sending target file.**

**Data Distribution System (DDS) – Web Site Development**

**Oracle Tables – Content**

**CREATE TABLE DDS\_content (**

**IDENTIFIERS**

CONTENT\_ID VARCHAR2(50),

**CONTENT INFO**

CONTENT\_TYPE VARCHAR2(1),

PRIORITY\_CODE VARCHAR2(1),

CONTENT\_SOURCE VARCHAR2(50),

SUBJECT VARCHAR2(100),

SUBJECT\_TEXT BLOB(0,1),

**FILE LOCATION & NAME**

CONTENT\_PATH VARCHAR2(200),

CONTENT\_NAME VARCHAR2(100),

CONTENT\_NAME\_SUFFIX VARCHAR2(100),

**DOCUMENT LINKS**

DOC\_LINK1 VARCHAR2(200),

DOC\_LINK2 VARCHAR2(200),

DOC\_LINK3 VARCHAR2(200),

DOC\_LINK4 VARCHAR2(200),

DOC\_LINK5 VARCHAR2(200),

**STATUS**

START\_DATE DATE,

END\_DATE DATE,

ACTIVE\_STATUS VARCHAR2(1),

**CHANGE CONTROL**

ADD\_DATE DATE,

ADD\_USER VARCHAR2(50),

UPDATE\_USER VARCHAR2(50),

UPDATE\_TIME TIMESTAMP );

**Data Distribution System (DDS) – Web Site Development**

**Oracle Tables – Request / Service Log**

**CREATE TABLE DDS\_request (**

**IDENTIFIERS**

REQUEST\_ID VARCHAR2(10),  
 USER\_ID VARCHAR2(10),  
 ACCT\_MGR\_ID VARCHAR2(10),  
 REASSIGN\_YN VARCHAR2(1),  
 ASSIGNOR\_ID VARCHAR2(10),  
 ORG\_ID VARCHAR2(10),  
 GROUP\_ID VARCHAR2(10),  
 FIRM\_NO INTEGER,  
 SUB\_NO INTEGER,  
 REP\_CODES VARCHAR2(100),  
 BRANCH VARCHAR2(20),

**REQUEST INFO & STATUS**

REQUEST\_TYPE VARCHAR2(1),  
 REQUEST\_STATUS VARCHAR2(5),  
 REQUEST\_FILE VARCHAR2(50),  
 REQUEST\_DATE DATE,  
 REQUEST\_DUE\_DATE DATE,  
 DUE\_DATE\_EXPLANATION BLOB(0,1),  
 REQUEST\_INSTRUCT BLOB(0,1),  
 REQUEST\_DELIVERY BLOB(0,1),  
 REQUEST\_REASON BLOB(0,1),  
 ACTION\_CODE VARCHAR2(5),  
 PRIORITY\_CODE VARCHAR2(1),  
 SUBJECT VARCHAR2(100),  
 SUBJECT\_TEXT BLOB(0,1),  
 COMMENT BLOB(0,1),

**REQUEST AUTHORIZATION**

AUTHORIZED\_BY VARCHAR2(75),  
 AUTHORIZED\_TITLE VARCHAR2(75),  
 AUTHORIZED\_DATE DATE,

**CONTACT INFO**

SALUTATION VARCHAR2(4),  
 FIRST\_NAME VARCHAR2(20),  
 MIDDLE\_INITIAL VARCHAR2(15),  
 LAST\_NAME VARCHAR2(25),  
 NAME\_SUFFIX VARCHAR2(10),  
 TITLE VARCHAR2(50),  
 COMPANY VARCHAR2(50),  
 DEPARTMENT VARCHAR2(30),  
 ADDRESS\_1 VARCHAR2(50),  
 ADDRESS\_2 VARCHAR2(50),  
 CITY VARCHAR2(35),  
 STATE VARCHAR2(2),  
 ZIP VARCHAR2(10),  
 PROVINCE VARCHAR2(25),  
 COUNTRY VARCHAR2(25),  
 WORK\_PHONE VARCHAR2(20),  
 HOME\_PHONE VARCHAR2(20),  
 CELL\_PHONE VARCHAR2(20),  
 FAX VARCHAR2(20),  
 PAGER VARCHAR2(20),  
 SECRETARY VARCHAR2(50),  
 EMAIL\_1 VARCHAR2(50),  
 EMAIL\_2 VARCHAR2(50),

**CHANGE CONTROL**

ADD\_DATE DATE,  
 ADD\_USER VARCHAR2(50),  
 UPDATE\_USER VARCHAR2(50),  
 UPDATE\_TIME TIMESTAMP );

**NOTE: Contact information included only if User ID is not specific and information about the requestor needs to be entered.**

**Data Distribution System (DDS) – Web Site Development**

**Data Processing / Table Posting**

<b>Phase</b>	<b>Process</b>	<b>Description</b>
Phase I-A	Post Web Usage	When a user logs into DDS web site, the last date of use is updated if the date of login is greater than the previous date of use. Increment the number uses field once per day to show the number of different days of use.
Phase x	Collect & Post Data File Date/Time/Size	Either: (1) use file directory information or (2) collect DW log files, prepare and load to log table for posting date/time/size status to Data Files and Delivery Schedules tables. Must be able to associate date/time/size with a file name. Issue of when to do this – first pass can be at end of daily DW batch job, but ideally can be run periodically 24/7. Since date/time/size is overwritten, it does not matter if date/time/size collection process runs repeatedly every xxx minutes. DDS log table, or a temp version of it, can be a drop and load type table. If using log files, the log file name should be defined with a data file definition in order to post date/time/size.
Phase x	Post Stats	When requested by DW administrator, statistics (counts) are posted for monthly/daily activity into DDS Usage Stats table based on date stamps in other tables.