1. DR Failover
   1. Switch over procedure

STEP1 (PRIMARY):

lsnrctl stop PROD

shut immediate

sqlplus> startup

lsnrctl start PROD

sqlplus> alter system switch logfile;

sqlplus> select recovery\_mode from v$archive\_dest\_status where dest\_id=2;

sqlplus> select name,open\_mode,database\_role,switchover\_status from v$database;

 STEP2 (DR):

sqlplus> select name,open\_mode,database\_role,switchover\_status from v$database;

sqlplus> select max(sequence#) from v$log\_histroy;

sqlplus> select client\_process,sequence#,process,status from v$managed\_standby;

 STEP 3(PRIMARY): Verify that the primary database can be switched to the standby role

sqlplus> select name,open\_mode,database\_role,switchover\_status from v$database;(to standby, SESSIONS ACTIVE )

sqlplus> alter database commit to switchover to physical standby with session shutdown;

sqlplus> shut immediate

sqlplus> startup mount

sqlplus> alter system set log\_archive\_dest\_state\_2='DEFER';

STEP 4 (DR): Verify the standby database is ready to be switched to primary role

 sqlplus> select name,open\_mode,database\_role,switchover\_status from v$database;(to standby, SESSIONS ACTIVE )

sqlplus> alter database commit to switchover to primary with session shutdown;

sqlplus> alter database open;

sqlplus> select name,open\_mode,database\_role,switchover\_status from v$database;

sqlplus> alter system set log\_archive\_dest\_state\_2='ENABLE';

STEP 5 (OLD PRIMARY)

sqlplus> alter database recover managed standby database using current logfile disconnect from session;

* 1. Switch back procedure

STEP1(PRIMARY):

lsnrctl stop PROD

shut immediate

sqlplus> startup

lsnrctl start PROD

sqlplus> alter system switch logfile;

sqlplus> select recovery\_mode from v$archive\_dest\_status where dest\_id=2;

sqlplus> select name,open\_mode,database\_role,switchover\_status from v$database;

STEP2(DR):

sqlplus> select name,open\_mode,database\_role,switchover\_status from v$database;

sqlplus> select max(sequence#) from v$log\_histroy;

sqlplus> select client\_process,sequence#,process,status from v$managed\_standby;

STEP 3(PRIMARY): Verify that the primary database can be switched to the standby role

sqlplus> select name,open\_mode,database\_role,switchover\_status from v$database;(to standby, SESSIONS ACTIVE )

sqlplus> alter database commit to switchover to physical standby with session shutdown;

sqlplus> shut immediate

sqlplus> startup mount

sqlplus> alter system set log\_archive\_dest\_state\_2='DEFER';

STEP 4 (DR): Verify the standby database is ready to be switched to primary role

 sqlplus> select name,open\_mode,database\_role,switchover\_status from v$database;(to standby, SESSIONS ACTIVE )

sqlplus> alter database commit to switchover to primary with session shutdown;

sqlplus> alter database open;

sqlplus> select name,open\_mode,database\_role,switchover\_status from v$database;

sqlplus> alter system set log\_archive\_dest\_state\_2='ENABLE';

STEP 5 (OLD PRIMARY)

sqlplus> alter database recover managed standby database using current logfile disconnect from session;