

**National Aeronautics and Space Administration**



**CMTS migration from WESTPrime to NHCC**

**CM # 775**

**Technical Goals and Objectives –**

# Production database will be locked and no data changes will be possible

# Customers and Users Affected

# CMTS users (<10) are affected and will be notified via IT Notice

# Resources Required

# WESTPrime Operations with access to Production schemas.

# Scope of Change

* WESTPrime will lock the current Production CMTS schema rivers/cmots\_user.
* Provide HITSS DBA a schema dump from current Production CMTS database (rivers/cmots) with the following steps:

--- exp file=cmots\_appl.dmp owner=cmots\_appl compress=n statistics=none log=cmots\_appl.log

--- exp file=cmots\_user.dmp owner=cmots\_user compress=n statistics=none log=cmots\_user.log

* Send files to HITSS DBAs through LFT.

# Tasks Involved in Implementation

* HITSS CM will notify the HITSS and WESTPrime deployment teams that the application is ready for deployment.
* At 6:00 p.m. WESTPrime Administrator will follow the steps above to lock the database and provide the data dumps. Once completed, WESTPrime OPS POC will send an email to the deployment email trail that this has been completed.
* HITSS DBA team will verify data dumps received and send an email to the deployment email trail that this has been completed.
* PM will send notification to NASA customer and ITCD about the deployment status.

# Back out Procedure – Application

# Production Backout:

* Ops will start the roll back process after receiving notification from the DBA that the database schema is locked.
* Roll back DNS for cmts.hq.nasa.gov to the old server
* Notify the HITSS deployment team that the back-out is complete.

Database Backout:

* HITSS DBA will lock rivers/cmots\_user schema and notify HITSS Operations to begin application un-installation.
* Drop CMOTS\_APPL and CMOTS\_USER Schema:
* Drop database CMOTS\_APPL and CMOTS\_USER;
* FLUSH PRIVILEGES;
* WESTPrime will unlock the Production CMTS schema rivers/cmots\_user when HITSS Operations has completed the un-installation activity.

**Name of Site/App Contact(s) WESTPrime is coordinating with for the change**

* Developer – Marithe Le / Alicia McPherson
* DBA – Bob Ryan / Weishing Liu

# Schedule Constraints and Goals

# Scheduled Date of Change:

1. 06/18/2015 6pm

**Expected Downtime:** 06/18/2015 6pm to 06/22/2015 6am

# Areas of Concern

* If the lockout or export cannot occur for any reason, the DNS switchover will be postponed.

# Testing

Once deployed HITSS development team will test the change, PM will notify customer to validate the next day.