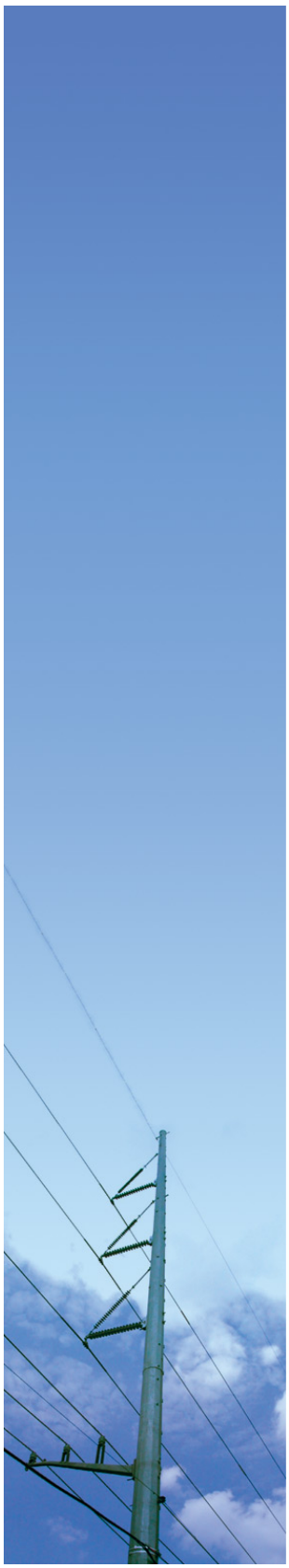

Member Impacting Project Overview Non-Critical System Transition

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Table of Contents

Table of Contents 2
Executive Summary 3
Introduction 3
Business Impact 3
Technical Impact 3
Technical Implementation 4
Cutover 4
Back-out Plan 5
Timeline 5
Communication 5
Next Steps (TBD) 5

Version Control

Version	Date	Author	Change Description
1.0	5/12/2009	J. Erwin	Initial Template
2.0	4/8/2010	C. Jennings	Updated with Project specifics
3.0	6/4/2010	D. Grummer	Final Version

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Executive Summary

This project was initiated to migrate remaining systems from the Plaza West facility to the Maumelle facility. These systems were deemed non-critical for the initial migration to Maumelle because they were outside of the CIP requirements mandated by NERC. SPP has initiated this effort to proceed in moving these systems to Maumelle.

SPP has defined this overview and timeline as an initial communication to our membership concerning the technical and timing impacts of the project.

Introduction

SPP has created a standard design for all systems that require production servers and application be placed in the Maumelle facility and that all Disaster Recovery servers be located in the Plaza West facilty. This effort will move the remaining non-critical production systems to Maumelle. This project is being conducted in a manner that minimizes the impact to SPP Staff and SPP's members.

This project will require the change of some IP addresses, however web links will continue to function as is with no change expected of SPP members. Some member testing may be required to ensure these links continue to work as expected once the moves ae completed.

This project is expected to be completed by year end 2010.

Business Impact

Users Impacted
Members will experience a brief outage and some users may need to contact their Internet Service Provider (ISP) to reconfigure their connection to SPP using the new IP address. In that case users should contact their Customer Service Representative at SPP and ask for the new IP address to provide to their ISP. SPP will not email the IP address as this would violate established security practices.

Business Functions Impacted
Reliability, Tarrif, Scheduling, Corporate website, Corporate FTP site (ftp1.spp.org)

Technical Impact

The following systems will have an IP address change (but the URL will remain the same), which will cause an outage to members:

- ftp1.spp.org
- OPS1
- Old OASIS (used for historical archiving)
- Reports.spp.org
- RTO, ITO, and ICT studies websites
- SPP.org
- DCPWEBFGC
- List Exploder

Where external DNS changes are required (ftp1.spp.org) the time of the outage will be affected by Internet service providers and the specific DNS set-up at customer sites (time to update). While this is outside SPP control, if necessary external users will be able to connect via an IP address until their DNS has updated. An outage of two hours is predicted on ftp1.spp.org.

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Internal applications will need to be redirected to the new IP address of servers (especially if scripts are in-use). Where applications use DNS, this change should take place when the (internal) DNS server is updated.

DCPWEBFGC's IP and hostname will change. Members will need to replace/modify a configuration file local to their systems (e-terrabrowser client).

Other systems will also change, but should not have an effect on members.

Minimizing Impact

Technical Implementation

The technical implementation has been designed to minimize impact and reduce the amount of work on all parts. Most changes should be transparent to members. The most critical change visible to the members is the IP address change to the systems listed in the previous section. This may require the member to contact their ISP to have them update their DNS cache.

Testing

Customers will need to verify that the following URLs still work correctly the day migrations are complete.
http://reports.spp.org
https://sppoasis.spp.org/oasis/swpp
https://sppoasis.spp.org/ops1/home.cfm
https://studies.spp.org/
http://lgeestudies.spp.org/
http://entergystudies.spp.org/
http://ftp1.spp.org

If the link is not working correctly the customer will need to have their ISP change the IP address. The customer will need to contact their respective Customer Relations Representative who can provide you with the IP address needed.

Users will need to reconfigure and validate the change to the e-Terra Browser WebFG Viewer. See attached document.(e-Terra Browser WebFG Viewer Configuration Guide.doc)

SPP will coordinate with selected members testing for the list exploder which will entail sending emails to the customers and verifying that email is routing and working properly.

Training

No training will be required as the systems affected by this migration are being moved "as is" with no modifications to functionality or access.

Cutover

Cutover to the new systems will be completed in phases. The timing of these changes will be coordinated with the CWG as SPP prepares for each. Outages will be required for some systems and these will be coordinated in advance with the CWG. Where possible these outages will occur during normally scheduled system maintenance windows.

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Back-out Plan

In the event that our migrations fail to work properly, SPP will reconnect the Plaza West servers and reschedule the migration once the issue has been resolved. A contingent cutover date has been provided in the event that this occurs.

Timeline

The timeline for this project has not been completed at this time due to the number of systems affected. Once the schedule has been completed and approved by SPP management, a copy will be provided to the CWG.

Communication

All project communication and information will be posted to the SPP Change Working Group Project Documentation folder. SPP will provide the identified remote site project liaison with a direct point of contact and technical support for the duration of the project. Please submit all project-related correspondence through your respective SPP Customer Relations Representative. All testing information will be communicated via CWG prior to any testing.

Next Steps

SPP - Create a standard Change Request and associate with it the following actions as tasks.

Action	Assignee	Status & Due Date
Identify Member impacting servers and applications	SPP	In progress -
Create Schedule for Member impacting changes	SPP	TBD
Schedule Member Testing	SPP	TBD
Execute Member Testing	SPP/Members	TBD

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