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Technical Bulletin

Extended Daylight Savings Implications for Prinergy

Background

In August 2005 the US government passed the *Energy Policy Act of 2005*, effective in 2007, to lengthen the time period for Daylight Saving Time (DST), starting three weeks earlier on the second Sunday in March and ending one week later on the first Sunday in November. Historically in the US and Canada, Daylight Saving Time commenced at 2:00 a.m. on the first Sunday in April and terminated at 2:00 a.m. on the last Sunday in October.

Daylight Saving Time Rules Embedded in Prinergy

DST rules determine the start and end dates for DST and are redundantly defined in several of the components deployed in the Prinergy system. These components are the Windows 2000 operating system and the Kodak Prinergy® software server-side library, which is responsible for generating date/time stamps in local time. The current version of Oracle® software used by Prinergy 3.1 with Oracle 8.1.6 is not affected by DST changes.

Impact of DST Rules Mismatches

For the period between 2:00 a.m. 11th March 2007 and 2:00 a.m. April 1st, the history messages reported by Prinergy are one hour behind the local time. This is because Prinergy is still time-stamping messages in Standard Time. For the period between 2:00 a.m. 28th October 2007 and 2:00 a.m. 4th November 2007, the history messages reported by Prinergy will be one hour ahead of the local time.

Risk Mitigation

- **Archiving**—Functional testing has shown that archiving is not affected by DST rule mismatches in the Prinergy system, in either the three-week period starting the second Sunday in March or the one-week period after the last Sunday in October.
- **Rules-Based Automation**—Testing indicates that Rules-Based Automation (RBA) works correctly with the new DST rules. The .NET framework on which RBA is built uses the operating system to retrieve time zone information.

Plan Forward

To address the issue with the Windows 2000 operating system, download and run the Time Zone Editor (tzedit.exe) utility from the Microsoft® Web site. This utility is found under the section *Supporting the DST changes on Windows operating systems*: http://support.microsoft.com/gp/dst_topissues#a5.

Run the Time Zone Editor on all Windows 2000 servers in your Prinergy system, including any Windows 2000 InSite servers.

When you run the Time Zone Editor, it will read your system's current DST rules. You must use the Edit function to change the settings to:

Start Day: Second Sunday of March 2:00:00 AM
Last Day: First Sunday of November 2:00:00 AM

Data for the current time zone is saved in a different location in the registry than the data for the time zone entries in the Date/Time Icon. Therefore, if you change the settings for the current time zone, the changes will not immediately take effect. In order for the new information to be used by the system, use the following procedure:

1. Open **Control Panel** and click the **Date/Time** icon.
2. Select the **Time Zone** tab.
3. Select or re-select the time zone you have changed.
4. Click **OK**.

The system clock will be reset to take into account the changes you have made.

For Prinergy, you do not have to apply any minor updates or patches. Prinergy time-stamp mismatches will be addressed in the Prinergy 3.1.0.6 minor update, scheduled for field-testing early in the summer of 2007.

About Kodak Graphic Communications Group (GCG)

The leading provider of graphic communications solutions worldwide, Kodak's Graphic Communications Group (GCG) offers image capture systems; professional color, copydot, and high-speed document scanning systems; inkjet printing and proofing systems; workflow and color management software; thermal imaging devices for film, plates, and proofs; high-quality proofing media, printing plates, and recording film; on-demand color and black-and-white printing systems; data storage products; and professional services. With corporate headquarters located in Rochester, N.Y., Kodak (NYSE: EK) has the largest global sales force and is committed to a digitally oriented growth strategy.

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