

U.S. Daylight Saving Time (DST) Changes for 2007 to Present

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[Introduction](#)

Cisco is proactive in its approach to comply with the new daylight saving time (DST) changes and wants to ensure that Cisco products in our customer's networks continue to operate without impact through the DST date transition. As such, Cisco has undertaken a company-wide initiative to supply documentation that describes how to update each product.

The purpose of this document is to describe the methods that can be used to address the change in daylight saving time, initiated on August 8, 2005, when President George W. Bush signed the Energy Policy Act of 2005. This document helps guide you through the Cisco product lines that require intervention in order to prepare them for the US-DST date changes.

Additional product information will be provided as soon as it is available. Check back frequently for updates.

This Energy Policy Act changes the dates for daylight saving time in the United States. In 2007, DST begins on the second Sunday in March and ends the first Sunday in November. The Secretary of Energy will report the impact of this change to Congress. Congress retains the right to resume the 2005 daylight saving time schedule once the Department of Energy study is complete. This law takes effect March 1, 2007.

Summary of Changes to Daylight Saving Time		
	Prior to 2007	Year 2007 and After
Start	1st Sunday in April	2nd Sunday in March
End	Last Sunday in October	1st Sunday in November

The operating systems of most Cisco products that support daylight saving time have built in mechanisms to automatically change the times, based on CURRENT United States rules (“*recurring*” keywords in time zone commands). Once the new Act is implemented, the time on the devices will continue to change according to the OLD rules, unless changes are made.

The configuration changes provided in this document are required to change the “programmed in” dates of daylight saving time for various time zones. Some devices that run newer software may not require this change if the enhancement request is included in the version of software that runs on the device. In software that includes this enhancement, the OLD summertime values have been changed to the NEW summertime values, and the configuration changes in this document are not required. For detailed information about individual products, see [Affected Cisco Platforms](#).

Configuration or OS changes will need to occur on the devices that implement the old rules, so that the device time can be correct, in logs and other time stamped communications from the device/platform.

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Prerequisites

Requirements

There are no specific requirements for this document.

[Components Used](#)

This document is not restricted to specific software and hardware versions.

[Conventions](#)

Refer to [Cisco Technical Tips Conventions](#) for more information on document conventions.

[Scope and Impact](#)

The DST change affects all devices that support an automatic time change when they are configured to support daylight saving time. This change impacts Cisco and non-Cisco devices. Customers should contact any vendor that uses time-sensitive messaging or other time-stamped communications in order to determine the impact of the Energy Policy Act.

Affected devices that are not changed could display the time exactly 1 hour off from the actual time during DST periods in spring and fall. In 2007, DST starts three weeks earlier and ends one week later than in past years. This change takes effect for the first time in March of 2007. This change can have a major impact on event correlation activities that are performed as part of normal operations troubleshooting and monitoring.

For security-related devices, where logs are captured, correlated, and stored for future reference, this time change could render them incorrect for situations where they need to be recalled to rebuild a sequence of events. The incorrect timestamps might not be an issue for events that get immediate action. However, in the future, these events would reference incorrect times.

Any device with time-based controls and activities, such as a AAA servers, Content Devices (CEs), cron jobs, and video streaming servers can be impacted and should be checked with the appropriate vendor.

Other examples include calls being logged at the wrong times that could effect call detail reporting and billing information or inaccurate campaign dialing times that result in dialing customers outside FTC allotted time periods, which is a violation of FTC regulations.

Consequently, any device with time-based controls and activities, such as authentication servers, synchronization activities, and scheduled events (that is, batch jobs, timed backups, or automated dialing capabilities or scripts, etc.) that has been configured to use U.S. DST rules would be impacted during the time period when the new U.S. DST rules go into effect, but the old U.S. DST rules are still applied.

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[Affected Cisco Platforms](#)

The tables in this section list the Cisco enhancement IDs that were created in order to track the changes in the operating system defaults for various platforms. Versions of software that include these enhancements will correctly change the time when configured to observe daylight saving time. Software versions that do not include these enhancements, but support daylight saving time, will use the 2006 dates, which are invalid for 2007.

Refer to these categories for more information about your product:

- [Application Networking Services](#)
- [Interfaces and Modules](#)
- [Cisco IOS Software](#)
- [Network Management](#)
- [Optical Networking](#)
- [Routers and Switches](#)
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In order to view each enhancement and the version in which it is integrated, click the appropriate Cisco Tracking ID or use the [Bug Tool](#) ([registered](#) customers only) . You must register with Cisco.com in order to view this information. For a full list of product Field Notices, refer to the [Product Field Notice Summary](#) page.

Note: This page will be updated as more products are addressed.

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[Application Networking Services](#)

Cisco Product	Cisco Tracking ID	Notes
Application and Content Networking System (ACNS)	CSCs e61326	Fixed in versions 5.5(5) and 3.0(10). Refer to FN - 62677 - U.S. Daylight Savings Time Policy Changes Effective March 2007 - for Content Networking Products for more information about this product.
Application Velocity System (AVS)	CSCs h58527	Fixed in 5.0.3 only. AVS 6.0 users must downgrade to obtain patch. Refer to FN - 62740 - U.S. Daylight Savings Time Policy Changes Effective March 2007 - For AVS Products for more information about this product.
Content Delivery System TV Streaming Application (CDS-	N/A	Fixed in CDS-TV versions 1.4.4.1.3 and 1.5.1.0.0 releases. Cisco TAC is performing patch updates and should be contacted if this has not be completed or is not currently scheduled. Refer to FN - 62742 - U.S. Daylight Savings Time Policy Changes Effective March 2007 - for Content Delivery System TV Streaming Application -

TV) software		Patch Update Required for more information about this product.
Content Services Switches (CSS) and Global Site Selector (GSS) Appliances	CSCe k6630 8	Refer to this documentation for more information about this product: <ul style="list-style-type: none"> • FN - 62727 - U.S. Daylight Savings Time Policy Changes Effective March 2007 - For CSS and GSS Products • Content Services Switch (CSS) in the <i>Configurations and Workarounds</i> section of this document
Content Switching Module (CSM)	N/A	Clock obtained from switch.
IP/TV Content Manager	N/A	Fixed in versions 5.5(5) and 3.0(10). Refer to FN - 62677 - U.S. Daylight Savings Time Policy Changes Effective March 2007 - for Content Networking Products for more information about this product.
IP/TV Broadcast Server (BS) and IP/TV Client	N/A	You must install a Windows patch from Microsoft. Refer to FN - 62677 - U.S. Daylight Savings Time Policy Changes Effective March 2007 - for Content Networking Products for more information about this product.
Wide Area Application Services (WAAS)	CSCs e6133 5	Fixed in version 4.0(1) and later. Refer to FN - 62677 - U.S. Daylight Savings Time Policy Changes Effective March 2007 - for Content Networking Products for more information about this product.
Wide Area File Services (WAFS)	N/A	Fixed in version 3.0(9) and later. Refer to FN - 62677 - U.S. Daylight Savings Time Policy Changes Effective March 2007 - for Content Networking Products for more information about this product.

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[Interfaces and Modules](#)

Cisco Product	Cisco Tracking ID	Notes
Cisco Unity Express Network Module (NM-CUE) Network Analysis Module (NM-NAM) Content Engine Network Module (NM-CE)	CSCs h30313	<p>Fixed in 1.003 for the underlying operating system. Fixed in 2.3.4 for the module Software. Refer to this documentation for more information about this product:</p> <ul style="list-style-type: none"> • FN - 62682 - U.S. Daylight Saving Time (DST) Policy Changes Effective March 2007 - for All Cisco Unity Express (CUE) Releases Prior to 2.3.4 • <i>Important Notes</i> section of the Release Notes for Cisco Unity Express 2.3

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[Cisco IOS Software](#)

Cisco Product	Cisco Tracking ID	Notes
7500 Platform Routers	CSCsi06651	
Cisco IOS Software Platforms	CSCsg70355	<p>Refer to this documentation for more information about this product:</p> <ul style="list-style-type: none"> • FN - 62613 - U.S. Daylight Savings Time Policy Changes Effective March 2007 - for Cisco IOS Software • Cisco IOS Software Platforms in the <i>Configurations and Workarounds</i> section of this document
Cisco IOS XR Software	CSCse79073	Fixed in version 3.4 and later. See Cisco IOS XR in the <i>Configurations and Workarounds</i> section of this document

e	for more information about this product.
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Network Management

Cisco Product	Cisco Tracking ID	Notes
Building Broadband Service Manager (BBSM)	CSCs h3478 1	Refer to FN - 62728 - U.S. Daylight Savings Time Policy Changes Effective March 2007 - for Building Broadband Solution Manager (BBSM) for more information about this product.
CiscoWorks Common Services (CWCS)	CSCs e8501 2 CSCs g8164 1	Customers need to download the patch for CS 3.0 and 2.2.
CiscoWorks LAN Management Solution (LMS) Version 2.2	CSCs g8164 1	Refer to FN - 62731 - U.S. Daylight Savings Time Policy Changes Effective March 2007 - for LMS for more information about this product.
CiscoWorks LAN Management Solution (LMS) Versions 2.5 and 2.6	CSCs e8501 2 CSCs g9782 3	Download these patches from http://www.cisco.com/cgi-bin/tablebuild.pl/cd-one-3des (registered customers only) : <ul style="list-style-type: none"> • cwdst3_0_0_sol_k9.zip • cwdst3_0_0_sol.readme.pdf • cwdst3_0_0_win.readme.pdf • cwdst3_0_0_win_k9.zip Download these patches from http://www.cisco.com/cgi-bin/tablebuild.pl/ipm-crypto (registered customers only) <ul style="list-style-type: none"> • ipmdst_2_6_sol.readme.pdf • ipmdst_2_6_sol_k9.tar • ipmdst_2_6_win.readme.pdf • ipmdst_2_6_win_k9.zip
CiscoWorks Network Compliance	CSCs h3402 2	Refer to FN - 62750 - U.S. Daylight Savings Time Fix/Patch for CiscoWorks Network Compliance Manager for more information about this product.

Manager (NCM)		
CiscoWorks Small Network Management Solution (SNMS)	CSCs h45560	Update is required for the current version of SNMS 1.5.1 since it is based of LMS 2.2 with CS 2.2 and RME 3.5.
CiscoWorks Voice Manager (CWVM)	N/A	No CWVM related patches are required for this. It is recommended that the underlying OS day-light savings time patches are applied. JRE updates will be necessary as well.
Internetwork Performance Monitor (IPM)	CSCs g97823	
Intrusion Detection and Prevention	N/A	See Intrusion Detection and Prevention in the <i>Configurations and Workarounds</i> section of this document for more information about this product.
IP Solution Center (ISC)	N/A	Refer to FN - 62735 - U.S. Daylight Savings Time Policy Changes Effective March 2007 - for Cisco IP Solution Center for more information about this product.
License Manager (CLM)	N/A	Cisco License Manager 1.0 is not affected as long as recommended OS updates are installed.
Mobile Wireless Transport Manager (MWTM)	N/A	Refer to FN - 62738 - U.S. Daylight Savings Time Policy Changes Effective March 2007 - for Mobile Wireless Transport Manager for more information about this product.
NetFlow Collection Engine (NFC)	CSCs h19473	This will be resolved by a patch of NFC 5.0.3 targeted by end of Feb, 2007.
Network Analysis Module (NAM)	CSCs g97421	Fixed in NAM 3.5.1b; targeted for release at the end of February 2007.
Network Connectivity Monitor	N/A	Refer to FN - 62749 - U.S. Daylight Savings Time Policy Changes Effective March 2007 - for Cisco Network Connectivity Monitor for more

		information about this product.
Network Registrar (CNR)	N/A	No impact on CNR. Time is provided by the OS, which may need a patch from the OS vendor.
Performance Visibility Manager (PVM)	CSCs h69913	Refer to FN - 62744 - U.S. Daylight Savings Time Policy Changes Effective March 2007 - for Cisco Performance Visibility Manager (PVM) for more information about this product.
QoS Policy Manager (QPM)	CSCs h37767	The existing QPM 3.2 customers must install a CMF 2.2 patch. The ETA for this patch is not available as of now. For the QPM 4.0 that is going to be released, a Common Services patch needs to be installed for daylight saving. This patch will be available on the installation CD .
Secure Access Control Server (ACS)	CSCs g24465	For the ACS appliance: http://www.cisco.com/cgi-bin/tablebuild.pl/acs-soleng-3des Refer to FN - 62663 - U.S. Daylight Savings Time Policy Changes Effective March 2007 - for ACS Windows for more information about this product.
Sheer 3.3 and 3.4	N/A	This product requires a patch from Solaris and an update to the JRE. Refer to for more information about this product.
Signaling Gateway Manager (SGM)	N/A	After updating the underlying operating system, SGM 4.1 customers should download the DST update from the Cisco website . The update should be available before March 1, 2007.
Subscriber Edge Services Manager (SESM)	CSCs h84194	
Transport Manager (CTM)	CSCsf 19864 CSCsf 05571	Fixed in JRE 1.4.2_11 for CTM 7.2. Fixed in JRE 1.5.0_06 for CTM 8.0 Windows Patch for Client: http://support.microsoft.com/kb/928388/ . Refer to FN - 62671 - U.S. Daylight Savings Time Policy Changes Effective March 2007 - for Cisco Transport Manager for more information about this product.
WAN Manager	CSCe k6678	The server side changes will be taken care by Solaris patch and the client

(CWM)	3	side will be taken care by Windows and JRE patch for the Windows platform.
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[Optical Networking](#)

Cisco Product	Cisco Tracking ID	Notes
ONG Optical Products	N/A	Refer to FN - 62690 - U.S. Daylight Savings Time Policy Changes Effective March 2007 - ONG Optical Products for more information about this product.
ONS 15000 Series Products	CSCs d06997 CSCs g70355	Refer to this documentation for more information about this product: <ul style="list-style-type: none"> • FN - 62690 - U.S. Daylight Savings Time Policy Changes Effective March 2007 - ONG Optical Products • ONS 15000 Series Products in the <i>Configurations and Workarounds</i> section of this document

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[Routers and Switches](#)

Cisco Product	Cisco Tracking ID	Notes
Cat OS Platforms	CSCs e79110	Fixed in versions 6.4(23), 7.6(20), and 8.6. See CatOS Platforms in the <i>Configurations and Workarounds</i> section of this document for more information about this product.

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[Security and VPN](#)

Cisco Product	Cisco Tracking ID	Notes
Adaptive Security Appliances	CSCs e61225	Fixed in versions 7.0(7), 7.1(3), 7.2(2), 7.3(1). Refer to this documentation for more information

(ASA) Platforms		<p>about this product:</p> <ul style="list-style-type: none"> • FN - 62706 - U.S. Daylight Savings Time (DST) Changes - for PIX Firewall and Adaptive Security Appliances (ASA) Product Families • Adaptive Security Appliances (ASA) and PIX Platforms in the Configurations and Workarounds section of this document
CiscoWorks	CSCs e8501 2 CSCs g8164 1	JRE Patches 1.4.2_12 and 1.3.1_18.
CiscoWorks Security Information Management Solution (SIMS)	N/A	Refer to FN - 62720 - U.S. Daylight Savings Time (DST) Changes - for CiscoWorks SIMS for more information about this product.
DDOS Guard and Detector Appliance	N/A	Refer to FN - 62741 - U.S. Daylight Savings Time (DST) Changes - All DDOS Guard and Detector Appliance Versions - Configuration Change or Upgrade Required for more information about this product.
Firewall Services Module (FWSM)	N/A	Clock obtained from switch.
Intrusion Prevention System (IPS)	CSCsf 22526	Refer to FN - 62732 - U.S. Daylight Savings Time (DST) Changes - All IPS Versions - Configuration Validation or Possible Upgrade Required for more information about this product.
NAC Appliance (Cisco Clean Access)	CSCs g4426 8	Fixed in 3.005(011.001), 4.0(3.3), 4.0(4), 4.1(0). Refer to FN - 62729 - U.S. Daylight Savings Time Policy Changes Effective March 2007 - For Cisco Clean Access Products for more information about this product.
PIX Platforms	CSCs e6055 4 CSCs	Fixed in versions 6.3(5.123), 7.0(6.10), 7.1(2.30), 7.2(1.27), and later. Refer to this documentation for more information about this

	e61225	<p>product:</p> <ul style="list-style-type: none"> • FN - 62706 - U.S. Daylight Savings Time (DST) Changes - for PIX Firewall and Adaptive Security Appliances (ASA) Product Families • Adaptive Security Appliances (ASA) and PIX Platforms in the <i>Configurations and Workarounds</i> section of this document
Secure ACS Appliance	N/A	Refer to FN - 62660 - U.S. Daylight Savings Time Policy Changes Effective March 2007 - for ACS Appliance for more information about this product.
Security Manager (CS-Manager)	N/A	Refer to FN - 62724 - U.S. Daylight Savings Time (DST) Changes for All Versions of CS-Manager - Patch Required for more information about this product.
Security Monitoring, Analysis and Response System (CS-MARS)	N/A	Refer to FN - 62721 - U.S. Daylight Savings Time (DST) Changes - CS-MARS for more information about this product.
Video Surveillance Stream Manager (ICEVSSW)	CSCs g53859	Refer to FN - 62651 - U.S. Daylight Savings Time Policy Changes Effective March 2007 for ICEVSSW for more information about this product.
VPN 3000 Concentrator	CSCs e62640	Refer to FN - 62722 - U.S. Daylight Savings Time (DST) Changes - Cisco VPN3000 Concentrators for more information about this product.
VPN/Security Management Solution (VMS) Network Manager	N/A	<p>Refer to this documentation for more information about this product:</p> <ul style="list-style-type: none"> • FN - 62743 - U.S. Daylight Savings Time (DST) Changes for All Versions of VMS Network Manager - Patch Required • VPN 3000 Concentrators (Altiga OS) in the <i>Configurations and Workarounds</i> section of this document

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Storage Networking

Cisco Product	Cisco Tracking ID	Notes
Storage Switches (SAN-OS) - Storage MDS 9500 Series	N/A	See Storage Switches (SAN-OS) - Storage MDS 9500 Series in the <i>Configurations and Workarounds</i> section of this document for information about this product.

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Tools and Resources

Cisco Product	Cisco Tracking ID	Notes
Ciscoorks IP Telephony Monitor (ITM) Version 2.0	CSCs h76600	The patch for this product is available at this URL: http://www.cisco.com/cgi-bin/tablebuild.pl/cd-one-3des OS patch prerequisites: <ul style="list-style-type: none">• Solaris: http://sunsolve.sun.com/search/document.do?assetkey=1-26-102178-1• Windows: http://www.microsoft.com/windows/timezone/dst2007.msp
Unified Operations Manager (CUOM) Versions 1.1 and 2.0	CSCs h62658	The patch for this product is available at this URL: http://www.cisco.com/cgi-bin/tablebuild.pl/cd-one-3des OS patch prerequisites: <ul style="list-style-type: none">• Solaris: http://sunsolve.sun.com/search/document.do?assetkey=1-26-102178-1• Windows: http://www.microsoft.com/windows/timezone/dst2007.msp
Unified Service Monitor (CUSM) Version 1.1	CSCs h81265	A patch for CUSM 1.1 and 2.0 is available at: http://www.cisco.com/cgi-bin/tablebuild.pl/servmon The workaround for this issue is to restart the system after the new time is updated.

and 2.0		
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[Video, Cable, and Content Delivery](#)

Cisco Product	Cisco Tracking ID	Notes
Service Control Engine (SCE)	CSCsh24223 CSCsh20257 CSCsh20253 CSCsh20239	Refer to FN - 62641 - SCE - U.S. Daylight Savings Time Policy Changes Effective March 2007 for SCE for more information about this product.

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[Voice and Unified Communications](#)

If you run a system of multiple Cisco Unified Communications products, please consult the appropriate System Upgrade Manual for recommended order in which to update products. There is a separate System Upgrade Manual for each version of Unified CallManager that a system is built around.

In order to locate information for system test releases based on Unified CallManager 4.x, System Upgrade Manuals, complete these steps:

1. Go to http://www.cisco.com/en/US/docs/voice_ip_comm/uc_system/GB_resources/ipcmatrix.htm.
2. Click the column heading appropriate to the release set that you use. (Note that the system test release version is not the same as the Unified CallManager version.)
3. Navigate to the link for the System Upgrade Manual.

Note: If you receive an error that states "Unable to open script," disable any anti-intrusion software or Cisco Security Agent that runs on the Cisco Callmanager before you run the DST patch.

In order to locate information for Unified Communications Systems based on Unified CallManager 5.x, System Upgrade Manuals, complete these steps:

1. Go to <http://www.cisco.com/go/unified-techinfo>.
2. Click the link that corresponds to the system release that you use. (The system release version is usually, but not necessarily, the same as the Unified CallManager version.)
3. Click the **Prepare and Plan** tab, and click the **Planning Your System Upgrade** link located in the Table of Contents on the left side of the page.

Cisco Product	Cisco Tracking ID	Notes

Broadband Telephony Switch (BTS 10200)	CSCsd98165 CSCse41327 CSCse10055	<p>Fixed in 4.5, 4.5(1), 4.5(13), 5.0(0). Refer to these field notices for more information about this product:</p> <ul style="list-style-type: none"> • BTS 10220 and Year 2007 Standard Time Change • FN - 62709 - Sun1280 114526-09 (5.20.3) Firmware Patch for Daylight Saving Time (DST) Change for the BTS10200 • FN - 62688 - U.S. Daylight Saving Time (DST) Policy Changes Effective March 2007 - for Cisco Broadband Telephony Switch (BTS10200) Releases Prior to 5.x
Collaboration Server (CCS) - 3.0, 4.0, and 5.0	N/A	Refer to FN – 62571 – Cisco Unified Contact Center Enterprise, Cisco Unified Customer Voice Portal (CVP) and Cisco Customer Response Solution (CRS) - Considerations for 2007 Daylight Savings Time Change and PG Time Zone Issues for more information about this product.
Collaboration Server Dynamic Content Adapter - 2.0(1)	N/A	Refer to FN – 62571 – Cisco Unified Contact Center Enterprise, Cisco Unified Customer Voice Portal (CVP) and Cisco Customer Response Solution (CRS) - Considerations for 2007 Daylight Savings Time Change and PG Time Zone Issues.
Computer Telephony Integration Option (Java CIL) - 6.0, 7.0/7.1	N/A	Refer to FN – 62571 – Cisco Unified Contact Center Enterprise, Cisco Unified Customer Voice Portal (CVP) and Cisco Customer Response Solution (CRS) - Considerations for 2007 Daylight Savings Time Change and PG Time Zone Issues for more information about this product.
Conference Connection (CCC)	N/A	Refer to FN - 62691 - US Daylight Savings Time Policy Change Effective March 2007 - for Cisco Conference Connection (CCC) for more information about this product.
Customer Response Solution (CRS)	CSCsh95451 CSCsh38030	<p>Refer to these field notices for more information about this product:</p> <ul style="list-style-type: none"> • FN - 62767 - Cisco Customer Response Solution (CRS) -

	CSCsi07661 CSCsi09651	<p>Considerations for 2007 Daylight Savings Time Change</p> <ul style="list-style-type: none"> • FN – 62571 – Cisco Unified Contact Center Enterprise, Cisco Unified Customer Voice Portal (CVP) and Cisco Customer Response Solution (CRS) - Considerations for 2007 Daylight Savings Time Change and PG Time Zone Issues
DPA-7610/7630	CSCsh04492	Refer to FN – 62698 - US Daylight Savings Time Policy Change Effective March 2007 - for Cisco DPA-7610/7630 for more information about this product.
E-Mail Manager (CEM) - 3.0, 4.0 and 5.0	N/A	Refer to FN – 62571 – Cisco Unified Contact Center Enterprise, Cisco Unified Customer Voice Portal (CVP) and Cisco Customer Response Solution (CRS) - Considerations for 2007 Daylight Savings Time Change and PG Time Zone Issues for more information about this product.
Emergency Responder (CER)	N/A	Refer to FN – 62657 – U.S. Daylight Savings Time Policy Changes Effective March 2007 for Cisco Emergency Responder (CER) for more information about this product.
Fax Server	N/A	Refer to FN - 62752 - U.S. Daylight Savings Time Policy Changes Effective March 2007 - for Cisco Fax Server for more information about this product.
IGX, MGX, and BPX Platforms	CSCsg70355	Refer to FN - 62702 - U.S. Daylight Savings Time Policy Changes Effective March 2007 - For MGX, IGX, and BPX Platforms for more information about this product.
Intelligent Contact Management (ICM) Enterprise - 4.x, 5.0, and 6.0	N/A	Refer to FN – 62571 – Cisco Unified Contact Center Enterprise, Cisco Unified Customer Voice Portal (CVP) and Cisco Customer Response Solution (CRS) - Considerations for 2007 Daylight Savings Time Change and PG Time Zone Issues for more information about this product.
Internet Service	N/A	Refer to these field notices for more information about this product:

Node (ISN) - 2.1.0		<ul style="list-style-type: none"> • FN - 62768 - Cisco Unified Customer Voice Portal (CVP) - Considerations for 2007 Daylight Savings Time Change • FN – 62571 – Cisco Unified Contact Center Enterprise, Cisco Unified Customer Voice Portal (CVP) and Cisco Customer Response Solution (CRS) - Considerations for 2007 Daylight Savings Time Change and PG Time Zone Issues
Interactive Suite (CIS)	CSCsi2 2179 CSCsh8 5976 CSCsi1 0430 CSCsh8 6008 CSCsh8 5878	Refer to FN - 62771 - Cisco Interactive Suite (CIS) - Considerations for 2007 Daylight Savings Time Change and PG Time Zone Issues for more information about this product.
IP Communicator (CIPC)	N/A	Application is dependent on the operating system clock of the client PC and the Cisco Unified CallManager clock. Both the operating system for the client PC and Unified CallManager should be updated to the appropriate software versions. Refer to FN - 62679 - US Daylight Savings Time Policy Change Effective March 2007 - for Cisco IP Communicator (CIPC), Cisco Unified Video Advantage (CUVA), Cisco Unified Personal Communicator (CUPC), and Cisco Softphone for more information about this product.
IP Contact Center (IPCC) Enterprise	CSCsg2 6106	Fixed in version 6.0(9) and 7.1(3). Refer to FN – 62571 – Cisco Unified Contact Center Enterprise, Cisco Unified Customer Voice Portal (CVP) and Cisco Customer Response Solution (CRS) - Considerations for 2007 Daylight Savings Time Change and PG Time Zone Issues for more information about this product.
IP Contact	N/A	Refer to FN – 62571 – Cisco Unified Contact Center Enterprise, Cisco

Center (IPCC) Express		Unified Customer Voice Portal (CVP) and Cisco Customer Response Solution (CRS) - Considerations for 2007 Daylight Savings Time Change and PG Time Zone Issues for more information about this product.
IP Contact Center (IPCC) Hosted - 4.x and 5.0	N/A	Refer to FN – 62571 – Cisco Unified Contact Center Enterprise, Cisco Unified Customer Voice Portal (CVP) and Cisco Customer Response Solution (CRS) - Considerations for 2007 Daylight Savings Time Change and PG Time Zone Issues for more information about this product.
IP Interoperability and Collaboration System (IPICS)	CSCsh04370 CSCsh04379	Refer to FN - 62674 - U.S. Daylight Savings Time Policy Changes Effective March 2007 - for Cisco IPICS for more information about this product.
IP SoftPhone	N/A	EOE—Function of OS on client PC. Refer to the Microsoft website for different OS DST implications. Refer to FN - 62679 - US Daylight Savings Time Policy Change Effective March 2007 - for Cisco IP Communicator (CIPC), Cisco Unified Video Advantage (CUVA), Cisco Unified Personal Communicator (CUPC), and Cisco Softphone for more information about this product.
Media Blender (CMB) - 3.0, 4.0, and 5.0	N/A	Refer to FN – 62571 – Cisco Unified Contact Center Enterprise, Cisco Unified Customer Voice Portal (CVP) and Cisco Customer Response Solution (CRS) - Considerations for 2007 Daylight Savings Time Change and PG Time Zone Issues for more information about this product.
Mobility Manager	N/A	Refer to FN – 62670–Daylight Savings Time policy changes effective March 2007 - for Mobility Manager for more information about this product.
Outbound Option -	N/A	Refer to FN – 62571 – Cisco Unified Contact Center Enterprise, Cisco

6.0, 7.0, and 7.1		Unified Customer Voice Portal (CVP) and Cisco Customer Response Solution (CRS) - Considerations for 2007 Daylight Savings Time Change and PG Time Zone Issues for more information about this product.
Personal Assistant	N/A	Refer to FN – 62667 – U.S. Daylight Savings Time Policy Changes Effective March 2007 - for Cisco Personal Assistant for more information about this product.
PSTN Gateway (PGW2200)	CSCsh37721	Refer to FN - 62687 - US Daylight Savings Time Policy Change Effective March 2007 - for Cisco PSTN Gateway (PGW2200) for more information about this product.
Support Tools	N/A	Refer to these field notices for more information about this product: <ul style="list-style-type: none"> • FN - 62772 - Support Tools - Considerations for 2007 Daylight Savings Time Change and PG Time Zone Issues • FN – 62571 – Cisco Unified Contact Center Enterprise, Cisco Unified Customer Voice Portal (CVP) and Cisco Customer Response Solution (CRS) - Considerations for 2007 Daylight Savings Time Change and PG Time Zone Issues
Unified Application Environment (CUAE)	N/A	Refer to FN - 62707 - U.S. Daylight Savings Time Policy Changes Effective March 2007 - for Cisco Unified Application Environment (CUAE) for more information about this product.
Unified CallManager 14-Button Line Expansion Module	N/A	Gets time from Unified CallManager.
Unified CallManager Backup and Restore	N/A	Gets time from operating system.

System (BARS)		
Unified CallManager BAT	N/A	This product is a subcomponent of Unified CallManager.
Unified CallManager CAR	CSCsh81417	Refer to FN - 62669 - U.S. Daylight Savings Time Policy Changes Effective March 2007 - for Cisco CallManager for more information about this product.
Unified CallManager DNA	N/A	This product is a subcomponent of Unified CallManager.
Unified CallManager Express (CCME)	N/A	Refer to FN - 62686 - U.S. Daylight Saving Time (DST) Policy Changes Effective March 2007 - Cisco CallManager Express (CCME) for more information about this product.
Unified CallManager ITM	N/A	Require CW2KCommon Services. See CiscoWorks in the <i>Configurations and Workarounds</i> section of this document for more information.
Unified CallManager JTAPI	N/A	This product is revisioned by the Unified CallManager.
Unified CallManager MLA	N/A	This product is a subcomponent of Unified CallManager.
Unified CallManager Service (ccm.exe)	CSCsf07523 CSCsh39509 CSCsg85605 CSCsh44003 CSCsh81417 CSCsy25150	Options exist to pull information from OS or set within CM. Fixed in CCM versions 4.3(1), 5.0(1), 5.0(4), 5.1(1), 6.0(1), 3.3(5)ES56. For more information, see FN - 62669 - U.S. Daylight Savings Time Policy Changes Effective March 2007 - for Cisco CallManager . For the most recent information, refer to Spring 2010 DST .
Unified CallManager Telephony Service Provider (TSP)	N/A	This product is revisioned by the Unified CallManager.
Unified CallManager	CSCsf07541	2000.4.2SR14, 2000.4.3aSR7, 2000.4.4SR2 and later Refer to FN - 62657 - U.S. Daylight Savings Time

WinOS Service Release		Policy Changes Effective March 2007 for Cisco Emergency Responder (CER) for more information about this product.
Unified Contact Center Enterprise and Hosted	CSCse96015 CSCsg26106	Refer to these field notices for more information about this product: <ul style="list-style-type: none"> • FN - 62769 - Cisco Unified Contact Center Enterprise and Hosted - Considerations for 2007 Daylight Savings Time Change and PG Time Zone Issues • FN – 62571 – Cisco Unified Contact Center Enterprise, Cisco Unified Customer Voice Portal (CVP) and Cisco Customer Response Solution (CRS) - Considerations for 2007 Daylight Savings Time Change and PG Time Zone Issues
Unified Customer Voice Portal (CVP) - 3.x and 4.0	N/A	Refer to FN – 62571 – Cisco Unified Contact Center Enterprise, Cisco Unified Customer Voice Portal (CVP) and Cisco Customer Response Solution (CRS) - Considerations for 2007 Daylight Savings Time Change and PG Time Zone Issues for more information about this product.
Unified Intelligent Contact Management (ICM) ACD	CSCse96015 CSCsg26106	Fixed in version 7.1(3), other versions pending. Refer to FN – 62571 – Cisco Unified Contact Center Enterprise, Cisco Unified Customer Voice Portal (CVP) and Cisco Customer Response Solution (CRS) - Considerations for 2007 Daylight Savings Time Change and PG Time Zone Issues for more information about this product.
Unified Intelligent Contact Management Enterprise and Hosted - 7.0 and 7.1	N/A	Refer to FN – 62571 – Cisco Unified Contact Center Enterprise, Cisco Unified Customer Voice Portal (CVP) and Cisco Customer Response Solution (CRS) - Considerations for 2007 Daylight Savings Time Change and PG Time Zone Issues for more information about this product.
Unified IP	CSCse4	Refer to FN - 62666 - US Daylight

Phones (7900 Series)	7164	Savings Time Policy Change Effective March 2007 - for Cisco Unified IP Phones 7900 Series for more information about this product.
Unified MeetingPlace	N/A	Refer to FN – 62665 – US Daylight Savings Time Policy Change Effective March 2007 - for MeetingPlace (MP) Products for more information about this product.
Unified MeetingPlace Express	CSCsh14773	Refer to FN - 62661 - US Daylight Savings Time Policy Change Effective March 2007 - for MeetingPlace Express (MPE) for more information about this product.
Unified Personal Communicator (CUPC)	N/A	This application is dependent on the operating system clock of the client PC. The operating system for the client PC should be updated to the appropriate software versions. Refer to FN - 62679 - US Daylight Savings Time Policy Change Effective March 2007 - for Cisco IP Communicator (CIPC), Cisco Unified Video Advantage (CUVA), Cisco Unified Personal Communicator (CUPC), and Cisco Softphone for more information about this product.
Unified Presence Server (CUPS)	N/A	Refer to FN – 62676 – Daylight Savings Time Policy Changes Effective March 2007 - for Cisco Unified Presence Server (CUPS) for more information about this product.
Unified Survivable Remote Site Telephony (SRST)	N/A	SRST version is a feature set; see Cisco IOS Software Platforms in the <i>Configurations and Workarounds</i> section of this document. Refer to FN - 62717 - U.S. Daylight Saving Time (DST) Policy Changes Effective March 2007 - Cisco Unified Survivable Remote Site Telephony (SRST) for more information about this product.
Unified System Contact Center Enterprise (System IPCC) - 7.0, 7.1	N/A	Refer to FN – 62571 – Cisco Unified Contact Center Enterprise, Cisco Unified Customer Voice Portal (CVP) and Cisco Customer Response Solution (CRS) - Considerations for 2007 Daylight Savings Time Change and PG Time Zone Issues.

Unified Video Advantage (CUVA)	N/A	No update required. CUVA has no dependency on timezones. Refer to FN - 62679 - US Daylight Savings Time Policy Change Effective March 2007 - for Cisco IP Communicator (CIPC), Cisco Unified Video Advantage (CUVA), Cisco Unified Personal Communicator (CUPC), and Cisco Softphone for more information about this product.
Unified Video Conferencing (CUVC)	CSCsi05728	Refer to FN - 62734 - US Daylight Savings Time Policy Change Effective March 2007 - for Cisco Unified Video Conferencing (CUVC) Products for more information about this product.
Unified Web and E-Mail Interaction Manager (EIM/WIM)	CSCsk08506	Refer to CSCsk08506—EIM/WIM Considerations for 2007 Daylight Savings Time Change for more information about this product.
Unity Connection	N/A	Refer to FN – 62668 – U.S. Daylight Savings Time Policy Changes Effective March 2007 - for Cisco Unity Connection for more information about this product.
Unity Express	CSCsh30313	Refer to FN - 62682 - U.S. Daylight Saving Time (DST) Policy Changes Effective March 2007 - for All Cisco Unity Express (CUE) Releases Prior to 2.3.4 for more information about this product.
Unity Voice Mail	CSCsh35828 CSCsh35926 CSCsh48829 CSCeg51736 CSCee32525	Refer to this documentation for more information about this product: <ul style="list-style-type: none"> • FN - 62673 - US Daylight Savings Time Policy Change Effective March 2007 - for Cisco Unity • CSCee32525—Unity Failover attempted due to Daylight Savings Time clock change (Impacted versions include 4.x, 5.x, and 7.x)
VG248 Analog Phone Gateway	N/A	Time not configured on this product. Gets time from Call Manager. Refer to FN - 62680 - US Daylight Savings Time Policy Change Effective March

		2007 - VG248 for more information about this product.
Voice Provisioning Tool (VPT)	CSCsf07541	Fixed in versions: 2.0(4.2)SR14, 2.0(4.03a)SR07, 2.0(4.4)SR02. Refer to FN - 62699 - U.S. Daylight Savings Time Policy Changes Effective March 2007 - for Cisco Voice Provisioning Tool for more information about this product.
Web Collaboration Option - 5.0	N/A	Refer to FN – 62571 – Cisco Unified Contact Center Enterprise, Cisco Unified Customer Voice Portal (CVP) and Cisco Customer Response Solution (CRS) - Considerations for 2007 Daylight Savings Time Change and PG Time Zone Issues for more information about this product.

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[Wireless](#)

Cisco Product	Cisco Tracking ID	Notes
Aironet 1400 Series	N/A	Refer to Daylight Saving Time For Cisco Wireless Networking Platforms for more information about this product.
CiscoWorks Wireless LAN Solution Engine (WLSE)	CSCsg89013	Enhancement is open; no changes made yet. (1/4/2007)
Location Appliance	CSCsg67865	If the Location Appliance is configured to use daylight saving time and is located in the United States, it must run Java Runtime Environment (JRE) version 1.4.2_12-b03 or later.
Wireless Control System (WCS)	CSCsg12596	Fixed in version 4.0.87 and higher.
Wireless Services Module (WiSM) and	CSCsh22276 CSCsc37945	Bug removed daylight saving check box in version 4.1 because it did not work correctly.

WLAN Controller (WLC)	CSCsf 99924	
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Refer to [FN - 62646 - US Daylight Savings Time Policy Change Effective March 2007 - for Wireless Products](#) for more information about all wireless products.

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[Configurations and Workarounds](#)

This section contains workarounds or manual configurations for the more common Cisco platforms that support daylight saving time.

Note: If you apply workarounds, these workarounds might be temporary and might require additional actions before the next DST start or end date transition. Depending on the Cisco device or application, these settings might not be persistently saved. For example, if the Cisco device or application is reset, the DST settings might revert back to the original settings.

Available Configurations	
Cisco Platform	Workaround Available
Adaptive Security Appliances (ASA) and PIX Platforms	Yes
CatOS Platforms	Yes
CiscoWorks	Patch
Content Services Switch (CSS)	Yes
Intrusion Detection and Prevention	Yes
Cisco IOS Software Platforms	Yes
Cisco IOS XR	Yes
ONS 15000 Series Products	No—Set manually in March and November
Storage Switches (SAN-OS)—Storage MDS 9500 Series	Yes
VPN 3000 Concentrators (Altiga OS)	No—Set manually in March and November

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[Adaptive Security Appliances \(ASA\) and PIX Platforms](#)

You can change the DST configuration parameters for a system that runs the Cisco PIX or ASA OS with a single configuration command. You can run this command at any time and on any device in order to change the current default settings of the given device.

```
clock summer-time zone recurring [{week} {day} {month} {hh:mm} {week | day | month |
```

```
hh:mm} [offset]]
```

In order to comply with the 2007 DST time change, use this command on any device that runs the Cisco PIX or ASA OS:

```
clock summer-time EDT recurring 2 Sun Mar 2:00 1 Sun Nov 2:00
```

Note: If you do not use the **summer-time** option, you are not affected by this issue. To verify that you do not use the **summer-time** option, run this command:

Note: **show run | include summer-time**

If you do not receive output from this command, your device is not affected by this issue. If you receive output and your device is affected by this issue, contact the [Cisco Technical Assistance Center \(TAC\)](#) in order to obtain the 6.3(5.123) interim image.

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[CatOS Platforms](#)

You can change the DST configuration parameters for a system that runs Cisco CatOS release 5.4 and later with a single configuration command. You can run this command at any time and on any device in order to change the current default settings of the given device.

```
set summertime recurring [{week} {day} {month} {hh:mm} {week | day | month | hh:mm} [offset]]
```

In order to comply with the 2007 DST time change, use this command on any device that runs Cisco CatOS release 5.4 and later:

```
set summertime enable EDT  
set summertime recurring second Sunday March 02:00 first Sunday November 02:00 60
```

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[CiscoWorks](#)

Management applications, such as CiscoWorks and Cisco Secure ACS, use the time provided by the operating system. Therefore, in order to resolve the DST issue, you must install the operating system patch that contains the fix for your operating system (Windows, Solaris, etc.).

If the platform includes an operating system that is maintained by Cisco, such as Unified CallManager or the ACS appliance, Cisco will provide a patch. See the affected products list in the

[Network Management](#) section in order to determine when a patch will be available for your product.

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[Content Services Switch \(CSS\)](#)

You can change the DST configuration parameters for a Content Services Switch (CSS) that runs WebNS with a single configuration command. You can run this command at any time in SuperUser mode on a CSS in order to change the current default settings of the given device.

```
clock summer-time zone recurring [{week} {day} {month} {hh:mm} {week | day | month | hh:mm} [offset]]
```

In order to comply with the 2007 DST time change, use this command on a CSS that runs WebNS:

```
clock summer-time EDT recurring 2 Sun Mar 2:00 1 Sun Nov 2:00
```

Note: The CSS `clock summer-time` command first appeared in version 7.50.

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[Intrusion Detection and Prevention](#)

In order to change the summertime settings on Cisco Intrusion Detection and Prevention devices, use the setup option from the CLI:

```
Modify summer time settings? [no]:yes  
Recurring, Date or Disable[recurring]:  
Start Month[mar]:  
Start Week[2]:  
Start Day[sun]:  
Start Time[02:00:00]:  
End Month[nov]:  
End Week[1]:  
End Day[sun]:  
End Time[02:00:00]:  
DST Zone[]: EDT  
Offset[60]:
```

Note: GUI-based management packages might include a time-based setup screen that you can use to make the necessary changes.

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[Cisco IOS Software Platforms](#)

You can change the DST configuration parameters for a system that runs Cisco IOS with a single configuration command. You can run this command at any time and on any device in order to change the current default settings of the given device.

```
clock summer-time zone recurring [{week} {day} {month} {hh:mm} {week | day | month |  
hh:mm} [offset]]
```

In order to comply with the 2007 DST time change, use this command on any device that runs Cisco IOS:

```
clock summer-time EDT recurring 2 Sun Mar 2:00 1 Sun Nov 2:00
```

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[Cisco IOS XR](#)

You can change the DST configuration parameters for a system that runs Cisco IOS XR with a single configuration command. You can run this command at any time and on any device in order to change the current default settings of the given device.

```
clock summer-time zone recurring [{week} {day} {month} {hh:mm} {week | day | month |  
hh:mm} [offset]]
```

In order to comply with the 2007 DST time change, use this command on any Cisco IOS XR device:

```
clock summer-time EDT recurring 2 Sun Mar 2:00 1 Sun Nov 2:00
```

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[Network Time Protocol Implications](#)

Although it might appear that the use of Network Time Protocol (NTP) will avert any issues related to these time changes, NTP and daylight saving time are mutually exclusive and one does not help or hinder the other. The Network Time Protocol is a utility used to synchronize clocks on different devices. Typically, NTP takes a reference clock from a source that is based on the Coordinated Universal Time (UTC), which does not change regardless of DST.

For example, the Eastern Standard Time (EST) in the United States is five hours behind the UTC time when daylight saving time is not active. EST is four hours behind when daylight saving time is active. DST configuration is very specific to the time zone in which the device is deployed, and the NTP UTC is used as a reference when DST is calculated on each individual device.

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ONS 15000 Series Products

Cisco has made changes to the ONS 15600, 15454, 15327, and 15310 products CTC and TL1 software so that the new DST implementation correctly changes with the second Sunday of March and the first Sunday of November in 2007.

Any systems that have not updated the system software will automatically follow the rules set for the previous Daylight Savings Time. In other words, the system automatically modifies the clock and reflects the incorrect time because, on March 11 2007, the system will not automatically presume that the DST has taken effect.

In order to comply with the 2007 DST time change, these options are available:

- Obtain a new version of your software. Cisco has implemented (or is implementing) the new DST changes into this software: Release 4.1.82, Release 5.0.8, Release 7.0.2 or higher, Release 7.2.2 or higher, Release 8.0.x or higher. Other versions of this software will continue to operate with the previous DST rules.
- Use CTC in order to manually change the time. If customers do not want to upgrade to any of the above software releases, CTC provides you with the ability to enable or disable DST and also to change the time on your nodes. Customers must assume manual control over the system time and force the system clock to reflect the correct time. From the 2nd Sunday of March to the 1st Sunday of April, use this solution in order to solve the problem: Disable manually Daylight Savings Time on the 2nd Sunday of March (March 11 for 2007). Reset the system clock to reflect the correct time. Enable Daylight Savings Time once again on the 1st Sunday of April 2007 (April 1 for 2007) and ensure that the time is correct. From the last Sunday of October to the 1st Sunday of November, use this solution in order to solve the problem: Manually disable Daylight Savings Time on the last Sunday of October (October 28 for 2007). Reset the system clock to reflect the correct time. Enable Daylight Savings Time once again on the 1st Sunday of November 2007 (November 4 for 2007) and ensure that the time is correct.
- Use the TL1 CLI in order to manually change the time. You can change the time-of-day parameters for a system that runs the Optical Operating System (ONS) with a single configuration command. Here is the format of the command:

```
SET-TOD: [<TID>] : : <CTAG> : : <YEAR>, <MONTH>, <DAY> ,  
         <HOUR>, <MINUTE>, <SECOND>, [<DIFF>] [:DST=<DST>];
```

This command changes the time on an optical product that runs ONS. However, the daylight saving start and stop time will not change, and the product uses the defaults coded into the operational code.

If you do not fall into one of these listed categories, you should direct your inquiries to your respective Account Manager.

Note: For more information on time zone configurations and how to reset the time, refer to the relevant procedure guide for the Cisco ONS release that you use. For example, if you use Cisco ONS 15454, refer to Cisco ONS 15454 Procedure Guide, Release 7.0.

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[Storage Switches \(SAN-OS\) - Storage MDS 9500 Series](#)

By default, the MDS SAN-OS does not adjust for daylight saving time, and the software provides no default values for DST settings. Therefore, any configuration for daylight saving must include the parameters for the start and end dates.

```
clock summer-time zone start_week start_day start_month start_time end_week end_day  
end_month end_time daylight_offset
```

In order to comply with the 2007 DST time change, use this command:

```
clock summer-time Eastern 2 Sun Mar 2:00 1 Sun Nov 2:00
```

Note: The time zone “*Eastern*” is a user-defined value and can be determined with this command: **show running | clock**.

Since the MDS SAN-OS offers no default values for the setting of summertime, no code changes are required. The DST setting for SAN-OS must be configured through the CLI for these reasons:

- The Fabric Manager cannot be used to configure multiple switches with this setting as it does not support DST configuration.
- Cisco Fabric Services does not support daylight saving time configuration as a single fabric can span multiple time zones.

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[VPN 3000 Concentrators \(Altiga OS\)](#)

The DST Configuration parameters for a system that runs Altiga OS cannot be changed. Currently, in both the 4.1 and 4.7 releases of Altiga OS, you can enable the summertime feature in order to use daylight saving time default settings, as previously set. In order to work around this issue, you must set the time ahead one hour when the new daylight saving time occurs on the 2nd Sunday in March. DST should be disabled on these devices so the device does not attempt to set ahead its clock on the 1st Sunday in April.

Note: The information provided in this section is a workaround for those who choose not to upgrade to the fixed code once it is available.

You can disable daylight saving time and set the clock forward as shown in this image:

[Background Information](#)

The bill number for the Energy Policy Act of 2005 is H.R.6.ENR. This section lists the information from the bill that relates to this topic.

SEC. 110. DAYLIGHT SAVINGS.

(a) Amendment- Section 3(a) of the Uniform Time Act of 1966 (15 U.S.C.260a(a)) is amended—

(1) by striking 'first Sunday of April' and inserting 'second Sunday of March'; and

(2) by striking 'last Sunday of October' and inserting 'first Sunday of November'.

(b) Effective Date- Subsection (a) shall take effect 1 year after the date of enactment of this Act or March 1, 2007, whichever is later.

(c) Report to Congress- Not later than 9 months after the effective date stated in subsection (b), the Secretary shall report to Congress on the impact of this section on energy consumption in the United States.

(d) Right to Revert- Congress retains the right to revert the Daylight Saving Time back to the 2005 time schedules once the Department study is complete.

For more information on the Energy Policy Act, visit <http://thomas.loc.gov> . (In the Search Bill Text field, enter **H.R.6.ENR**, select the **Bill Number** radio button, and click **Search**. Go to Section 110.)

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[Related Information](#)

- [Product Field Notice Summary](#)
- [The Library of Congress—Thomas](#)