

# **HTML Calendar Generator for Peregrine's ServiceCenter**

*by*

*Sam Ryburn*

## **Acknowledgements and Thanks**

Thanks to ... for testing the process, providing feedback, making suggestions and giving me encouragement.

## **Intended Audience**

You will get the most out of this guide if you are familiar with:

- tailoring Peregrine Systems' ServiceCenter
- HTML and CSS (Cascading Style Sheets)

## **HTML Calendar Generator for Peregrine's ServiceCenter**

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## HTML Calendar Generator for Peregrine's ServiceCenter

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# HTML Calendar Generator for Peregrine's ServiceCenter

## Introduction

The HTML Calendar Generator allows you to generate a monthly calendar from a list of ServiceCenter records. This list may be a QBE list resulting from a search, an Inbox or even the results of the rtecall "select" function. The Calendar Generator takes the results of a query and posts them to dates in a calendar. Each record is placed in the calendar as an event based on a date field in the record. The query results may be limited to one month or span multiple months and years. Only months with events are displayed. A configuration record tells the calendar generator which date field to use. The configuration record also tells the generator which field to display as the name of the event in the calendar.

The calendar generator builds a table for each month represented by the records in the list. It also builds a navigation area with the list of months which the user can use to jump to a specific month. The navigation area is initially placed at the top of the page. The placement of the navigation area is controlled by a cascading style sheet. By modifying the style sheet the navigation area may be positioned anywhere on the page.

The calendar generator also builds a detail area for each event. The configuration record tells the generator which fields from the record to include in the details. The default configuration hides the details until the user hovers the mouse over an event in the calendar.

The screenshot shows a web browser window titled "C:\User\Advanced Training\CSS\TEMPCalendar.html - Microsoft Internet Explorer". The address bar shows "file:///C:/User/Advanced%20Training/CSS/TEMPCalendar.html#May 2005". The page content includes a navigation bar for months from Oct 2004 to Sep 2005, a legend for event priorities, and a calendar grid for May 2005. The calendar grid shows events for various dates, with a detailed view for May 16th.

| Sunday     | Monday                                                                                                                      | Tuesday | Wednesday | Thursday | Friday | Saturday |
|------------|-----------------------------------------------------------------------------------------------------------------------------|---------|-----------|----------|--------|----------|
| 1 C7<br>C2 | 2                                                                                                                           | 3       | 4         | 5        | 6 C5   | 7        |
| 8          | 9 C14<br>Start: 05:09:05 03:00:00<br>End: 05:10:05 03:00:00<br>Coordinator: CM 2<br>Category: RFC - Advanced<br>Priority: 3 | 10      | 11        | 12       | 13 C16 | 14       |
| 15         | 16 Description: ("02/21/02 23:24:19 (FALCON)", "Tech support recently acquired their own DB system.")                       | 17      | 18        | 19       | 20 C13 | 21       |
| 22         | 23                                                                                                                          | 24      | 25        | 26       | 27     | 28       |
| 29         | 30 Memorial Day                                                                                                             | 31      |           |          |        |          |

## Installation

### HTMLCalendar.unl

The following records are contained in the HTMLCalendar.unl file

| Name                 | Type                                                               |
|----------------------|--------------------------------------------------------------------|
| export.cal.to.html   | Process                                                            |
| htmlcalconfig        | dbdict<br>datadict<br>format<br>formatctrl<br>link<br>help records |
| htmlcalconfig.qbe    | format                                                             |
| html.choose.filename | format                                                             |
| DEFAULT/cm3r         | htmlcalconfig                                                      |
| DEFAULT/cm3t         |                                                                    |

#### Installing the HTMLCalendar.unl file:

- Copy the HTMLCalendar.unl file to a directory on your local hard drive.
- Start the ServiceCenter Client.
- Look under File to make sure the Client side Load/Unload option is checked.
- Go to the Database Manager.
- Under Options, select Import/Load.
- Enter the full path name for the HTMLCalendar.unl file.
- Click Load FG

#### Next Steps:

- Create a display option, script, scheduled report or some other method to call the calendar process.
- Modify or add htmlcalconfig records to customize your calendar(s)

### Additional files

#### calendar.css

The calendar.css file contains the basic CSS code which formats the html into a usable calendar. This file may be used as an external style sheet or you may cut and paste the contents of this file into the CSS section of a calendar configuration record. You are advised to keep an un-altered copy of this file to fall back on in case some modification of the style sheet causes some undesired results or loss of functionality. A copy of this file may also be found at

<http://www.exporthoword.com/css/calendar.css>

**csshover.htc** - *important information if you use Internet Explorer for Windows*

<http://www.xs4all.nl/~peternd/csshover.html>

The pop-up of event details when the mouse is hovered over an event is implemented using functionality of the CSS specification which supports the :hover pseudo-class for any element. This functionality is supported by most modern web browsers. However, **Internet Explorer for Windows** only supports the :hover pseudo-class for links (<A>...</A>). The csshover.htc file is an Internet Explorer “behavior” file written by Peter Nederlof which adds :hover to IE for any element. The details pop-up effect will not be available when viewing a calendar in IE unless this file is included or similar code is added to the calendar html. This is not a concern when viewing a calendar in other web browsers. Behavior files are only recognized by Internet Explorer. Other browsers ignore behavior files, so the behavior file will not be a problem.

Place a copy of the **csshover.htc** file in the directory where the user will put the output of the calendar generator. When viewing the output as a file (e.g. <file:///c:/My Documents/calendar.html>) the csshover.htc file must be in the same directory as the output for the pop-up to work.

When the output will be accessed via a web site (e.g. <http://www.exporttoward.com/Demos/TEMPCalendar.html>) then the csshover.htc file may be placed in a central location which is accessible to anyone who will be using the generated calendars. Your intranet web site would be an ideal location. If you do not have firewall issues, you may use this URL to reference the csshover.htc behavior file:

<http://www.exporttoward.com/css/csshover.htc>

The line in your style sheet would look similar to this:

```
body {margin: 1em; padding: 0; behavior: url(http://www.exporttoward.com/css/csshover.htc);}
```

## Executing the Calendar Generator

The purpose of the calendar generator is to display multiple events on multiple dates therefore it is designed to work with a list of ServiceCenter records. The Calendar Generator may be executed interactively or in the background. To use interactively one or more display options should be created to access the Calendar Generator. The display options should be created for the qbe list or inbox screen ids. If you use the “Record List” option in the ServiceCenter Client, you should place the display option in the Record List range (GUI Options between 5000 and 5999). When the Calendar Generator is executed in the background you must be sure to execute a query first and pass the file variable associated with the query to the Calendar Generator.

A calendar is generated by executing the Process “export.cal.to.html”. A Process is executed by calling the se.call.process RAD application.

### se.call.process parameters

| Application     |                                                                                                                                                                                                                                           |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| se.call.process | -                                                                                                                                                                                                                                         |
| Names           | Values                                                                                                                                                                                                                                    |
| file (required) | The file variable that represents the list of records to be inserted in the calendar. If calling from a displayoption for example, you would use \$L.filed.                                                                               |
| name (required) | The name of the process - “export.cal.to.html”                                                                                                                                                                                            |
| names           | An array of character containing a list of variable names to pass to the process. For the export.cal.to.html process use {"\$L.config.file"}                                                                                              |
| values          | An array containing a list of variable values that are assigned to the variables in the names array above. In the case of the export.cal.to.html Process you may pass the name of a calendar configuration file. For example: {"DEFAULT"} |

### Creating displayoptions to generate calendars

This is an example of the RAD section of a displayoption defined to execute the export.cal.to.html Process and use the calendar configuration file named “RFC”.

#### Expressions evaluated after option is selected, but before RAD call

```
$L.value.names={"$L.config.name"};$L.values={"RFC"}
```

| Application     | Separate Thread?          |
|-----------------|---------------------------|
| se.call.process | -                         |
| Names           | Values                    |
| file            | \$L.filed                 |
| name            | str("export.cal.to.html") |
| names           | \$L.value.names           |
| values          | \$L.values                |

### Display option for a QBE list

Below is an example of a of a displayoption record to call the HTML Calendar Generator from a QBE list of cm3r records in ServiceCenter 5 and 6.

#### Display Application Option Definition

|            |                 |                  |       |         |            |
|------------|-----------------|------------------|-------|---------|------------|
| Screen ID: | cm.list.display | Language:        | ENG   | Action: | do nothing |
| Unique ID: | 10058           | Modifies Record: | false |         |            |

|              |     |                                |                    |
|--------------|-----|--------------------------------|--------------------|
| GUI Option:  | 506 | Balloon Help (If Option < 200) | -                  |
| Text Option: | 506 | Default Label:                 | Display a calendar |
| Bank:        | 3   | Text Alternative:              | -                  |

|                 |                            |
|-----------------|----------------------------|
| Condition:      | true                       |
| User Condition: | filename(\$L.filed)="cm3r" |

|                                                                            |
|----------------------------------------------------------------------------|
| <b>Expressions evaluated after option is selected, but before RAD call</b> |
| \$L.value.names={"\$L.config.name"};\$L.values={"RFC"}                     |

| Application     | Separate Thread?          |
|-----------------|---------------------------|
| se.call.process | -                         |
| Names           | Values                    |
| file            | \$L.filed                 |
| name            | str("export.cal.to.html") |
| names           | \$L.value.names           |
| values          | \$L.values                |

|                             |
|-----------------------------|
| <b>Post RAD Expressions</b> |
| -                           |

|                 |
|-----------------|
| <b>Comments</b> |
| -               |

Note the “RFC” in \$L.values. This assumes that there is a calendar configuration record with a Config Name of “RFC” and a File Name of cm3r. See the “Editing or Creating Calendar Configuration Records” section.

### Display Option for a Record List

Below is an example of a of a displayoption record to call the HTML Calendar Generator from a Record list of cm3t records in ServiceCenter 5 and 6.

#### Display Application Option Definition

|            |                 |                  |       |         |            |
|------------|-----------------|------------------|-------|---------|------------|
| Screen ID: | cm.view.display | Language:        | ENG   | Action: | do nothing |
| Unique ID: | 10064           | Modifies Record: | false |         |            |

|              |      |                                |                    |
|--------------|------|--------------------------------|--------------------|
| GUI Option:  | 5107 | Balloon Help (If Option < 200) | -                  |
| Text Option: | 5107 | Default Label:                 | Display a calendar |
| Bank:        | 3    | Text Alternative:              | -                  |

|                 |                            |
|-----------------|----------------------------|
| Condition:      | false                      |
| User Condition: | filename(\$L.filed)="cm3t" |

|                                                                            |
|----------------------------------------------------------------------------|
| <b>Expressions evaluated after option is selected, but before RAD call</b> |
| \$L.value.names={"\$L.config.name"};\$L.values={"DEFAULT"}                 |

| Application     | Separate Thread?          |
|-----------------|---------------------------|
| se.call.process | -                         |
| <b>Names</b>    | <b>Values</b>             |
| file            | \$L.filed                 |
| name            | str("export.cal.to.html") |
| names           | \$L.value.names           |
| values          | \$L.values                |

|                             |
|-----------------------------|
| <b>Post RAD Expressions</b> |
| -                           |

|                 |
|-----------------|
| <b>Comments</b> |
| -               |

### Display Option for an Inbox

Below is an example of a of a displayoption record to call the HTML Calendar Generator from a Change Management Inbox in ServiceCenter 5 and 6.

#### Display Application Option Definition

|            |              |                  |     |         |            |
|------------|--------------|------------------|-----|---------|------------|
| Screen ID: | scm.advanced | Language:        | ENG | Action: | do nothing |
| Unique ID: | 10063        | Modifies Record: | -   |         |            |

|              |      |                                |                    |
|--------------|------|--------------------------------|--------------------|
| GUI Option:  | 5120 | Balloon Help (If Option < 200) | -                  |
| Text Option: | 5120 | Default Label:                 | Display a Calendar |
| Bank:        | 9    | Text Alternative:              | -                  |

|                 |                                                                 |
|-----------------|-----------------------------------------------------------------|
| Condition:      | sysinfo.get("ClientOSName")#"Win"                               |
| User Condition: | sysinfo.get("ClientOSName")#"Win" and filename(\$L.filed)#"cm3" |

|                                                                            |
|----------------------------------------------------------------------------|
| <b>Expressions evaluated after option is selected, but before RAD call</b> |
| \$L.value.names={"\$L.config.name"};\$L.values={"DEFAULT"}                 |

| Application     | Separate Thread?          |
|-----------------|---------------------------|
| se.call.process | false                     |
| Names           | Values                    |
| file            | \$L.filed                 |
| name            | str("export.cal.to.html") |
| names           | \$L.value.names           |
| values          | \$L.values                |

|                             |
|-----------------------------|
| <b>Post RAD Expressions</b> |
| -                           |

|                 |
|-----------------|
| <b>Comments</b> |
| -               |

### ServiceCenter 5 & 6 QBE List Screen Ids

|                   |                    |
|-------------------|--------------------|
| apm.list.problems | IM Incidents       |
| cc.list.incidents | SM Calls           |
| rmq.list          | RM Quotes          |
| rmo.list          | RM Orders          |
| rml.list          | RM Line Items      |
| scm.advanced      | All Inboxes        |
| cm.list.display   | CM Changes & Tasks |
| rca.list          | RC Root Cause      |

### ServiceCenter 5 & 6 Record List Screen Ids

If you use “record lists” then you should create display options in the **5000** range of these ServiceCenter 5 screen ids

|                  |                    |
|------------------|--------------------|
| apm.edit.problem | IM Incidents       |
| cc.edit.incident | SM Calls           |
| cm.view.display  | CM Changes & Tasks |
| rca.view         | RC Root Cause      |
| rmq.main.display | RM Quotes          |
| rmo.main.display | RM Orders          |
| rml.main.display | RM Line Items      |

### ServiceCenter 4 QBE List Screen Ids

|                   |               |
|-------------------|---------------|
| cm3r.main.qbe     | CM Changes    |
| cm3t.main.qbe     | CM Tasks      |
| apm.list.problems | IM Incidents  |
| cc.list.incidents | SM Calls      |
| rmq.list          | RM Quotes     |
| rmo.list          | RM Orders     |
| rml.list          | RM Line Items |
| sc.manage.display | All Inboxes   |

### ServiceCenter 4 Record List Screen Ids

If you use “record lists” then you should create display options in the **5000** range of these ServiceCenter 5 screen ids

|                     |               |
|---------------------|---------------|
| apm.edit.problem    | IM Incidents  |
| cc.edit.incident    | SM Calls      |
| cm3r.update.display | CM Changes    |
| cm3t.update         | CM Tasks      |
| rca.view            | RC Root Cause |
| rmq.main.display    | RM Quotes     |
| rmo.main.display    | RM Orders     |
| rml.main.display    | RM Line Items |

## Scheduling the Calendar Generator

You may desire to generate a calendar on a regularly scheduled basis and publish it on your intranet web site rather than having each user generate a calendar on an ad-hoc basis. Here is one method that may be used to automatically run the Calendar Generator and publish the output to a web site.

The means do exist in an out-of-box ServiceCenter system to execute the Calendar Generator via a schedule record. However, the setup is much simpler if you use the script.execute.bg RAD application. This does not come with ServiceCenter out of the box, but is readily available on Peregrine's Support web site. Look for Document ID S66-R0R-13HB or the title: "How to execute a subroutine on a scheduled, repeated time interval to send hourly emails for all DEADLINE ALERT". This article has a link to download the script.execute.bg RAD application.

First, create an htmlcalconfig record to use with the background script. You want to turn off all user prompts to prevent the background process from hanging because it is waiting for user input. In the htmlcalconfig record, do the following:

- Set the Default Output File - must be a path and file on the ServiceCenter server
- Uncheck the Prompt for output filename? checkbox (false)
- Uncheck the Display output file on completion? checkbox (false)

These settings will allow the process to run uninterrupted.

Create a script to query for the records that will populate the calendar and to call the calendar Process. Here is an example of what the script record would look like.

## Script Definition

|                |              |         |  |
|----------------|--------------|---------|--|
| Name           | htmlcalendar | Start   |  |
| Format         |              | Cluster |  |
| Display Screen |              |         |  |

|                  |      |
|------------------|------|
| Skip Display?    | true |
| Bypass Condition | -    |
| Enter=Continue?  | -    |

Application: se.call.process

| Names  | Values                    |
|--------|---------------------------|
| file   | \$L.cal.file              |
| name   | str("export.cal.to.html") |
| names  | \$L.value.names           |
| values | \$L.values                |

| Statements                                                       |
|------------------------------------------------------------------|
| \$L.cal.sql="planned.start>'10/01/2004 00:00:00"                 |
| \$L.void=rtcall("rinit", \$L.rc, \$L.cal.file, "cm3r")           |
| \$L.void=rtcall("select", \$L.sel.rc, \$L.cal.file, \$L.cal.sql) |
| \$L.value.names={"\$L.config.name"};\$L.values={"Background"}    |

| Next Script | Condition |
|-------------|-----------|
| -           | -         |

Note that no format is defined for this script.

Here are descriptions of the three expressions in the Statements section:

1. define the query of the change records to find
2. initialize the cm3r file
3. run the query
4. define the name of the htmlcalconfig record to pass to the calendar process

After the Statements have been executed, the script calls the export.cal.to.html Process by running the se.call.process application.

Now that the script has been defined you need to create a schedule record to run it in the background on a regular basis. Here is an example of what the schedule record would look like.

## Schedule File

|               |                          |           |         |                       |                   |
|---------------|--------------------------|-----------|---------|-----------------------|-------------------|
| <b>Name</b>   | Background calendar test |           |         | <b>Class</b>          | report            |
| <b>Number</b> | 7                        | <b>ID</b> | 2332721 | <b>Expiration</b>     | 04/26/05 22:20:00 |
| <b>Status</b> | rescheduled              |           |         | <b>Schedule Class</b> | report            |
|               |                          |           |         | <b>Action Time</b>    | 04/25/05 22:20:00 |

### Description

Schedule record to generate a calendar at regular intervals

### Repeat Interval

|                      |            |
|----------------------|------------|
| <b>Every</b>         | 1 00:00:00 |
| <b>Monthly</b>       | -          |
| <b>Quarterly</b>     | -          |
| <b>Semi-Annually</b> | -          |
| <b>Annually</b>      | -          |

|                       |                   |
|-----------------------|-------------------|
| <b>Problem Status</b> | -                 |
| <b>Application</b>    | script.execute.bg |
| <b>Query</b>          | -                 |

### Strings

|                |                  |
|----------------|------------------|
| <b>Strings</b> | <b>Strings 1</b> |
| htmlcalendar   | -                |

### Numbers

|                  |                  |
|------------------|------------------|
| <b>Numbers 1</b> | <b>Numbers 2</b> |
| -                | -                |

### Boolean/Times

|                |                |
|----------------|----------------|
| <b>Boolean</b> | <b>Times 1</b> |
| -              | -              |

### Stacked Queries

|   |
|---|
| - |
|---|

To create a schedule record use the schedule.looksee format with Database Manager. Fill in the fields with values similar to those above and “Add” the new record. The Class/Schedule Class fields identify the process that will be responsible for handling the schedule record - in this case “report”. If the report process is not running, then this schedule record won’t be processed and the calendar will not be generated. The Expiration is the next date/time the schedule will execute. The Repeat Interval is how often the schedule record execution will be repeated - in this case every 24 hours (1 day). Application is the name of the RAD application that the

schedule record will execute and the String is the parameter that will be passed to that application. In this example the htmlcalendar script record will be executed by the script.execute.bg RAD application every day at 10:20 PM.

When the htmlcalendar script is executed every day at 10:20 PM it will create a file on your ServiceCenter server in the path you specified in the htmlcalconfig record. More than likely this is not a location accessible to your intranet users. In that case you will need to move/copy the html file to your web server. There are a variety of ways to accomplish this some of which depend on the operating system(s) you use. The following is an example of using FTP and AT if ServiceCenter is running on a Windows server.

First create a text file contain an FTP script

test.scr contents

```
open <ftp site>
<user name>
<password>
cd <path on ftp site>
put <full path & file name of output file on SC Server> <file name on ftp site>
bye
```

Test the FTP script using the following command line syntax: ftp -s:test.scr

Second, create an AT/Win AT job to run the FTP script. It should be scheduled to run a few minutes after the SC scheduled process runs. Consult your system administrator for proper instructions on scheduling a task.

Windows XP

All Programs > Accessories > System Tools > Scheduled Tasks

## Editing or creating calendar configuration records

The calendar configuration record gives you control over the information that is displayed in the calendar and how it is displayed. You may select which date field to use, which field to use as the main event display, which fields to display in the details, day of the week labels, month labels and calendar title. Virtually every HTML element generated by the utility is assigned a CSS id, class or both which gives you the ultimate flexibility in controlling the style, size, color and position of each element on the web page.

### Config Name:

The calendar generator can generate different types of calendars for the same file or different files. Each different type of calendar requires its own configuration record. The configuration name identifies the configuration for a particular calendar type. This field is required.

### **File Name:**

The file name which will be used to generate the calendar must be identified so the date field used to generate the calendar and the fields displayed in the calendar can be selected and validated. The combination of Config Name and File Name uniquely identify the calendar configuration record. This field is required.

### **Event Date Field:**

The date field in the file record used to place the record in the calendar as an event. When the record list is sent to the calendar generator the list is sorted by this date/time. All records with the same date are placed in the same date box in the calendar. Any record where this date field is NULL is excluded from the calendar. You may type the field name or select a field from the drop down list. This field is required.

### **Event End Date Field:**

The date field in the file record used to indicate the end date of an event that spans multiple days. When a date field is selected here the event will be repeated on each successive day until the end date is reached. You may type the field name or select a field from the drop down list. This field is optional.

### **Display Field:**

The field whose value will be displayed in the date box on the calendar as the event. You may type the field name or select a field from the drop down list. This field is required

### **Holiday Calendar:**

The name of a ServiceCenter holiday calendar. This is the same as one of the holiday calendars that are used when building SC caldaily records. If a holiday calendar is specified, the calendar Generator will search for holidays as it builds the HTML calendar and place them in the calendar. The date number gets the class name "holiday" and the name of the holiday gets the class "holiname". This field is optional.

### **Default Output File:**

This allows you to specify a default file name for the HTML file that is generated. In order for the Calendar Generator to automatically open the output file in your web browser, the file name should end in an extension that your browser recognized such as .htm or .html. If you do not supply a full path name then the file will be stored in the ServiceCenter RUN directory. If the client side load/unload option in the SC client is not selected the output file will be stored in the SC server's RUN directory. The file will be created if it does not exist. If the file does exist, the generator will overwrite it without warning. If a default file name is not supplied the Calendar Generator will prompt for a file name. If the Calendar Generator will be used in a background process or other non-interactive process it is important to use a calendar configuration record with a default output file. This field is optional.

## Prompt for output filename?

When checked, the Calendar Generator will prompt the user for a name for the HTML file that will be generated. This field is optional. However, if Default Output File is blank this option is automatically checked.

## Display Output File on Completion?

When this option is checked the Calendar Generator will attempt to open the resulting HTML file in the user's default browser. This assumes that the output file name has an extension recognized by the default browser such as .htm or .html and that the output file is stored in a location accessible by the user's browser. If these conditions are not met the Calendar Generator will error out when it tries to open the file in the user's browser. This field is optional. It should not be checked if the Calendar Generator is run in the background.

## Labels [tab]

Labels | Highlight | Pop-Up | CSS | Extra

Prompt for output filename? | Display output file on completion?

Calendar Title:

Month Labels

Full

Abbreviated

Custom

Abbreviated Month Labels

Jan  
Feb  
Mar  
Apr  
May  
Jun  
Jul  
Aug  
Sep  
Oct  
Nov  
Dec

Days of the Week

Order must be Sunday - Saturday

htmlcalconfig record updated. Response 0.120 draw 0.50 insert htmlcalconfig(db.view) [UP]

## Calendar Title

This is the main heading displayed at the beginning of the calendar. This is generated as an “h1” HTML element with a CSS id of “calendar-title”.

## Month Labels

**Full** - the month names from the SC variable \$lo.month.ext will be used as the month labels in the navigation area and at the top of each month table. \$lo.month.ext is generally the full name of each month.

**Abbreviated** - The month names from the SC variable \$lo.month.abv will be used as the month labels in the navigation area and at the top of each month table. \$lo.month.abv is generally the 3 letter abbreviation of each month.

**Custom** - user-defined label for each month. The labels must be in January - December order.

### Days of the Week:

These are the days of the week that appear at the top of each column in each month table. By default they are Sunday - Saturday in English. You may choose to abbreviate them or translate to another language. They must be in Sunday - Saturday order.

### Highlight [tab]

Labels Highlight Pop-Up CSS Extra

Highlight Field:

| Value | Color  | BG Color           |
|-------|--------|--------------------|
| 1     | red    | rgb(100%,80%,80%)  |
| 2     | orange | rgb(100%,100%,80%) |
| 3     | blue   | rgb(80%,80%,100%)  |
|       |        |                    |
|       |        |                    |
|       |        |                    |
|       |        |                    |
|       |        |                    |
|       |        |                    |

htmlcalconfig record updated. Response 0.120 draw 0.50 insert htmlcalconfig(db.view) [UP]

### Highlight Field:

The name of a field whose values will determine the colors of the display field (event) in the calendar. For example you may decide that all events where the priority is 1 should be colored red to make them stand out in the calendar.

**Value** - a possible value of the highlight field

**Color** - the foreground color of the event when value matches the value of the highlight field.

You may choose one of the web colors from the dropdown list or define a color using the rgb(%,%,%) notation. The first value is the percentage of red; the second value is the percentage of green; the third value is the percentage of blue.

**Background color** - The background color of the event when value matches the value of the highlight field. You may choose one of the web colors from the dropdown list or define a color

using the `rgb(%,%,%)` notation. The first value is the percentage of red; the second value is the percentage of green; the third value is the percentage of blue.

Every event is given a second CSS class of `s0-sn`. If the highlight field in the record does not match a value in the list then the event is given the class “s0”. If the highlight field in the record matches the first field in the list the event is given the class of “s1”. If the highlight field in the record matches the second field in the list the event is given the class of “s2” and so on. The utility automatically generates style definitions for classes s1 and greater to set the color and background color attributes. You may define a style for s0 and you may define cascading styles to change other attributes of s1-sn.

## Pop-Up [tab]

The screenshot shows the 'Pop-Up' configuration tab in the HTML Calendar Generator. It features a table titled 'Fields to include in detail pop-up' with the following content:

| Label        | Field                |
|--------------|----------------------|
| Start:       | header,planned.start |
| End:         | header,planned.end   |
| Coordinator: | header,coordinator   |
| Category:    | category             |
| Priority:    | priority             |
| Description: | description          |
|              |                      |
|              |                      |
|              |                      |

At the bottom of the interface, a status bar displays: 'htmlcalconfig record updated.', 'Response 0.120 draw 0.50', and 'insert htmlcalconfig(db.view) [UP]'.

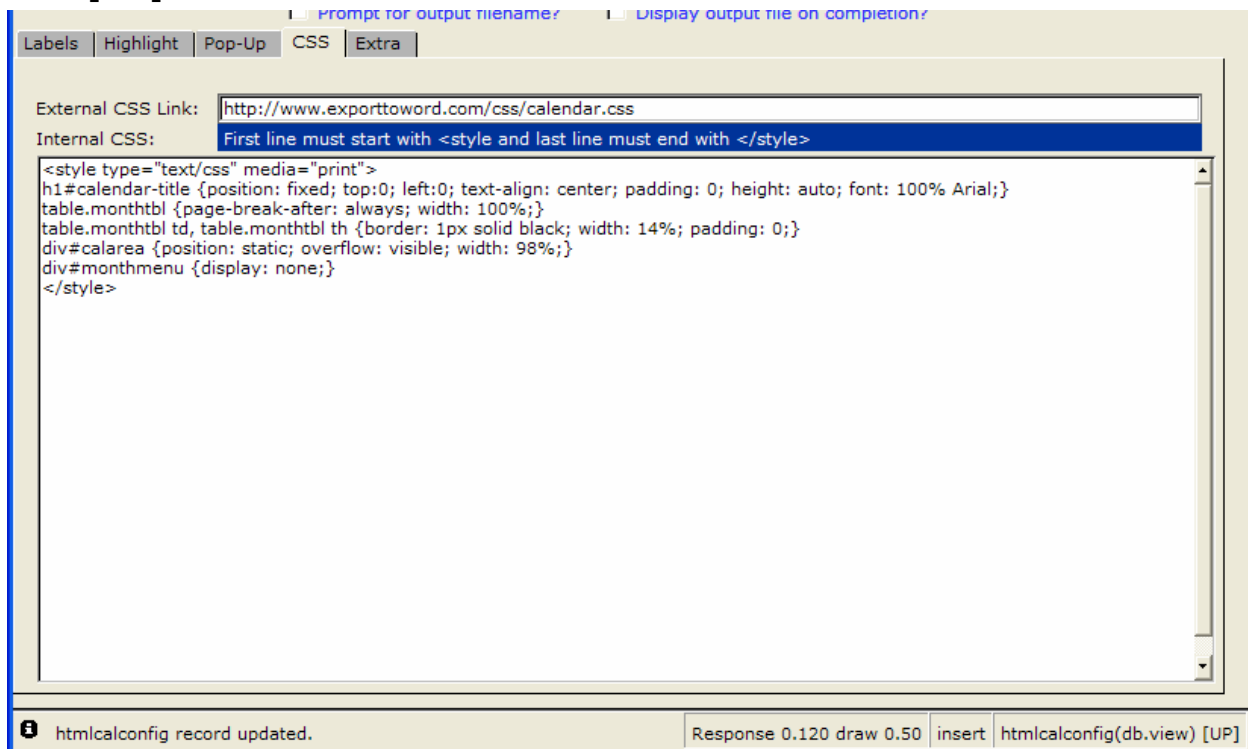
### Field to include in the detail pop-up

*[Note: in order for the pop-up to work in IE, you must specify the `csshover.htc` behavior file in the CSS attributes of the body element and the `:hover` pseudo-class must be specified in a `<style>` section that explicitly states `media-“screen”`.]*

**Label** - The label that will appear to the left in the pop-up details.

**Field** - The field whose value will appear to the right in the pop-up details.

## CSS [tab]



### External CSS Link

The name of an external Cascading Style Sheet that will be used to format the calendar. This maybe a local file name or a URL - for example: <http://www.expporttoword.com/css/calendar.css>. Only the file/URL is specified here. The code wraps it in the proper HTML tags. This is inserted first in the <head> section of the HTML file. This may be used together with Internal CSS. Conflicting definitions in the internal CSS will override definitions in this file.

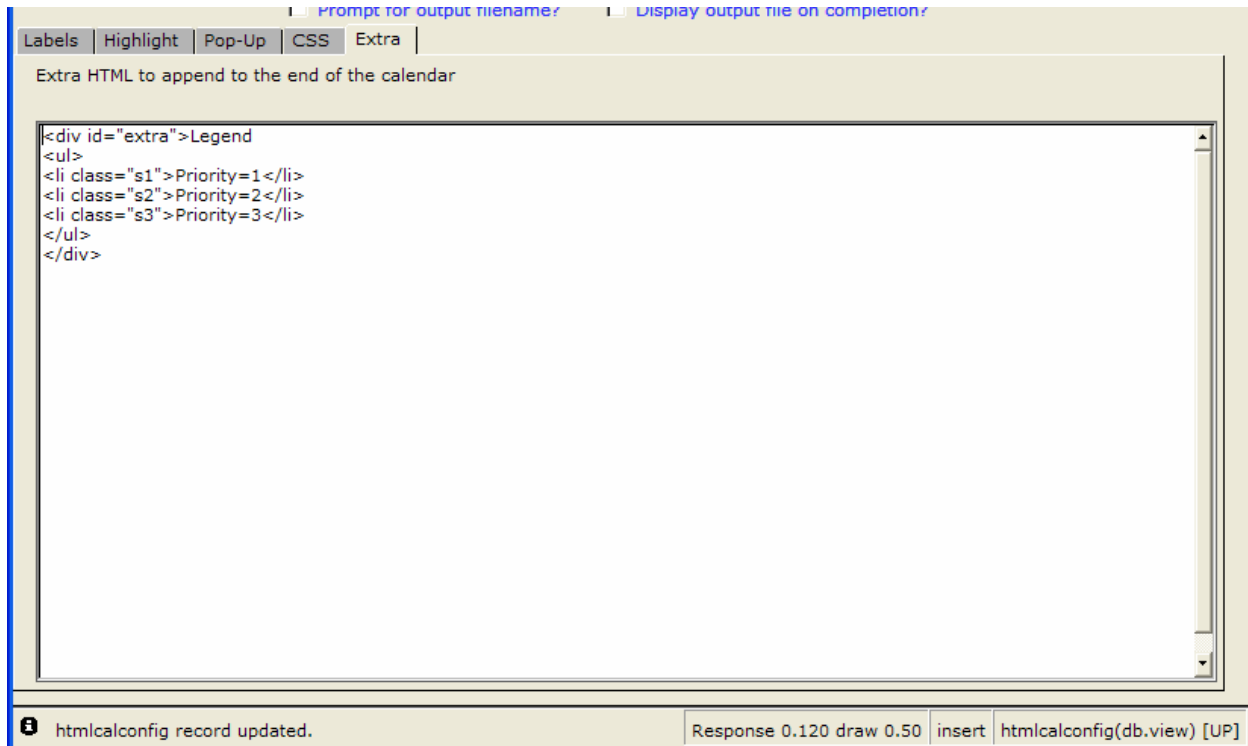
### Internal CSS:

This section allows you to enter your own CSS style sheet. This section is inserted as is in the <head> section of the HTML file. It must be in proper HTML and CSS syntax with complete start and end HTML tags such as <style type="text/css" media="screen"> ... </style>. This follows the External CSS Link (above) and therefore any conflicting definitions in this internal CSS will override definitions in the External CSS.

### Recommended books on CSS

- Meyer, E. (2003). **Eric Meyer on CSS: Mastering the Language of Web Design**. Berkley, CA: New Riders.
- Meyer, E. (2004). **More Eric Meyer on CSS**. Berkley, CA: New Riders
- Meyer, E. (2004). **Cascading Style Sheets: The Definitive Guide, Second Edition**. Cambridge: O'Reilly

## Extra [tab]



### Extra HTML to append to the end of the calendar

This section allows you to add additional HTML to the calendar HTML file. As far as ServiceCenter is concerned this section is static; it does not attempt to evaluate any variables or expressions in this section. You may reference classes and ids you have defined in your Style Sheets. As an example to create a legend as a key to the colors you have used to highlight events you might enter the following HTML:

```
<div id="extra">Legend
<ul>
<li class="s1">Priority=1</li>
<li class="s2">Priority=2</li>
<li class="s3">Priority=3</li>
</ul>
</div>
```

You might include the following in your CSS to place the legend in the upper left of the page, place a black border around it and set the font type and size.

```
div#extra {position: absolute; top: 1.5em; left: 0; font: 75% Verdana, Arial,
  sans-serif; background: white; margin-top: 2px; padding: 2px; border: 1px
  solid black;}
div#extra ul {margin: 0; padding: 0; font-size: 65%;}
```

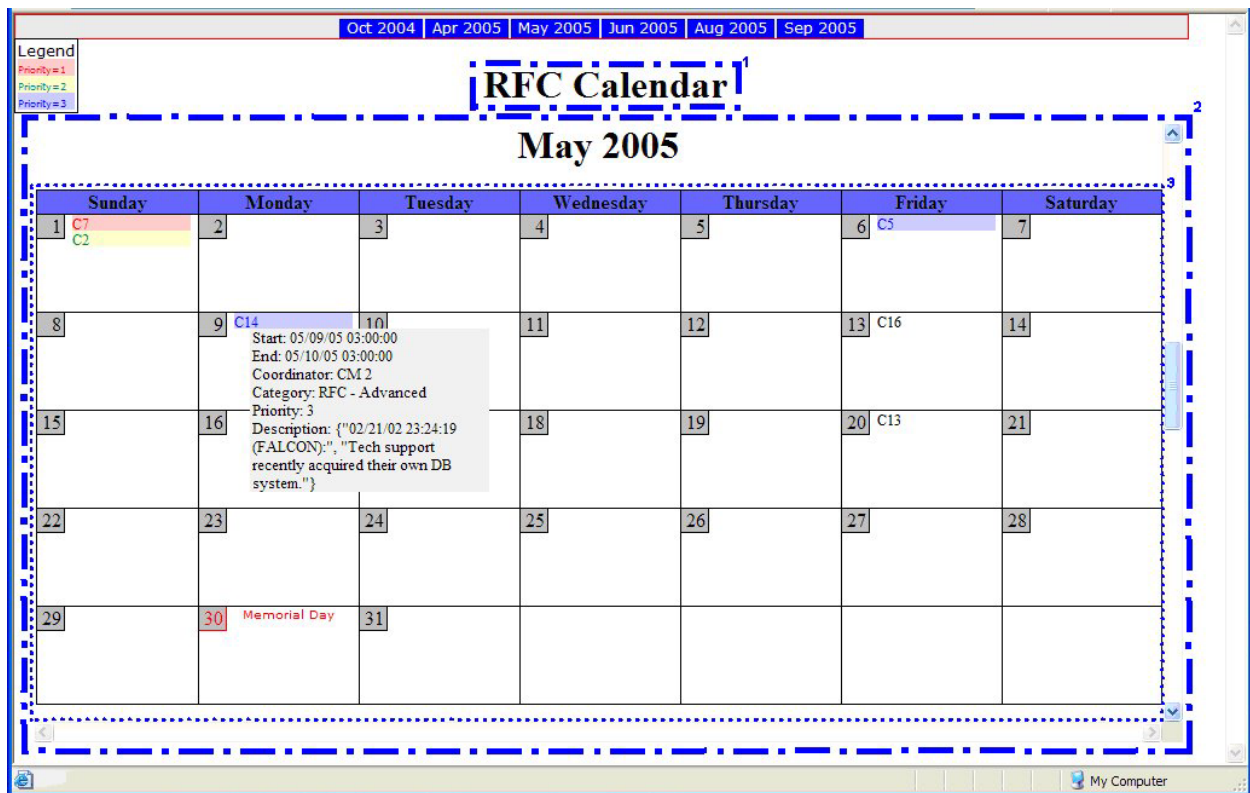
The CSS classes s1 - sn are created and defined by the ServiceCenter code according to the values and colors specified in the Highlight Field table (see above).

## CSS IDs and Classes

The following CSS id's and classes are embedded in the html created by the calendar generator. Use them in your Style Sheet(s) to apply formatting to various components of the calendar.

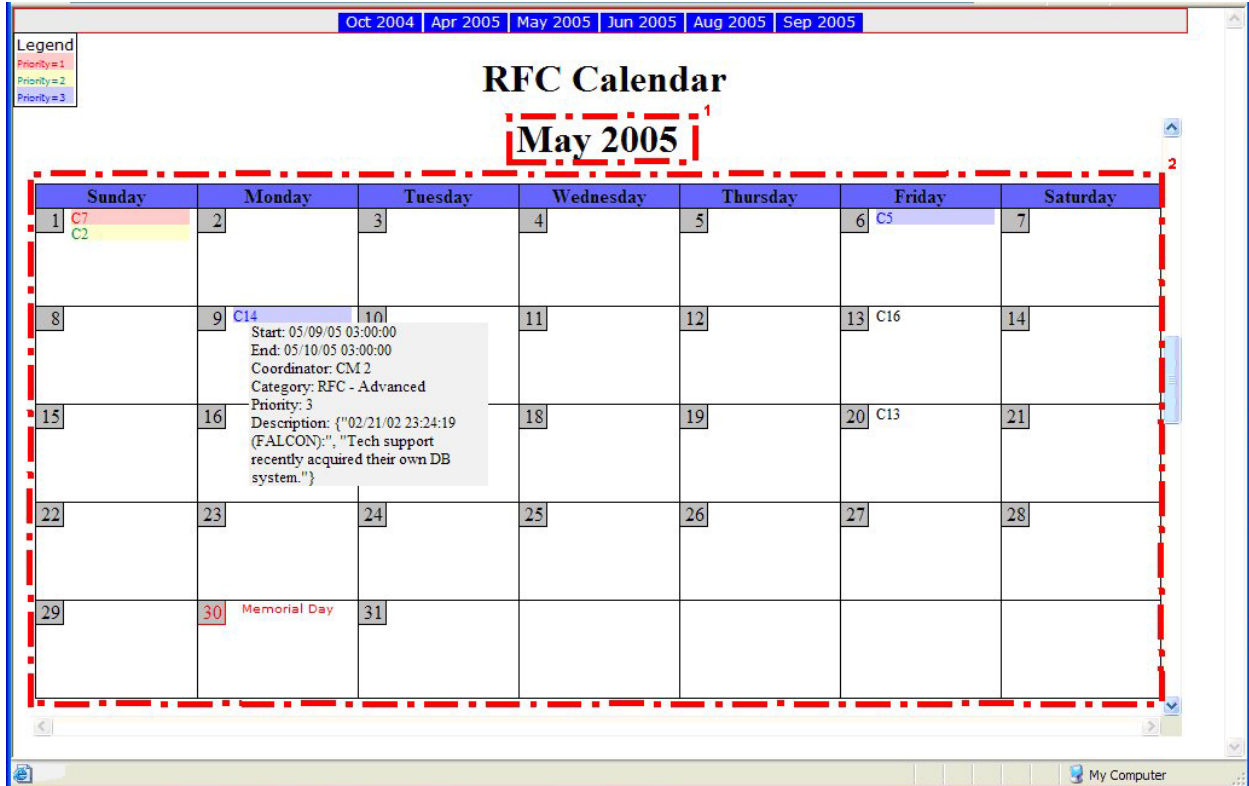
### CSS IDs

| ID                          | type  | parent  | Component                | Description                                                                                                                             |
|-----------------------------|-------|---------|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| calendar title <sup>1</sup> | h1    | body    | Title of the calendar    | heading that appears at the top of the page                                                                                             |
| calarea <sup>2</sup>        | div   | body    | Calendar area            | The scrolling area that contains the month tables                                                                                       |
| [month+year] <sup>3</sup>   | table | calarea | a particular month table | Unique id of a particular month table. e.g.: May2005 (defining a style for this id will affect the appearance of just this month table) |
|                             |       |         |                          |                                                                                                                                         |
|                             |       |         |                          |                                                                                                                                         |



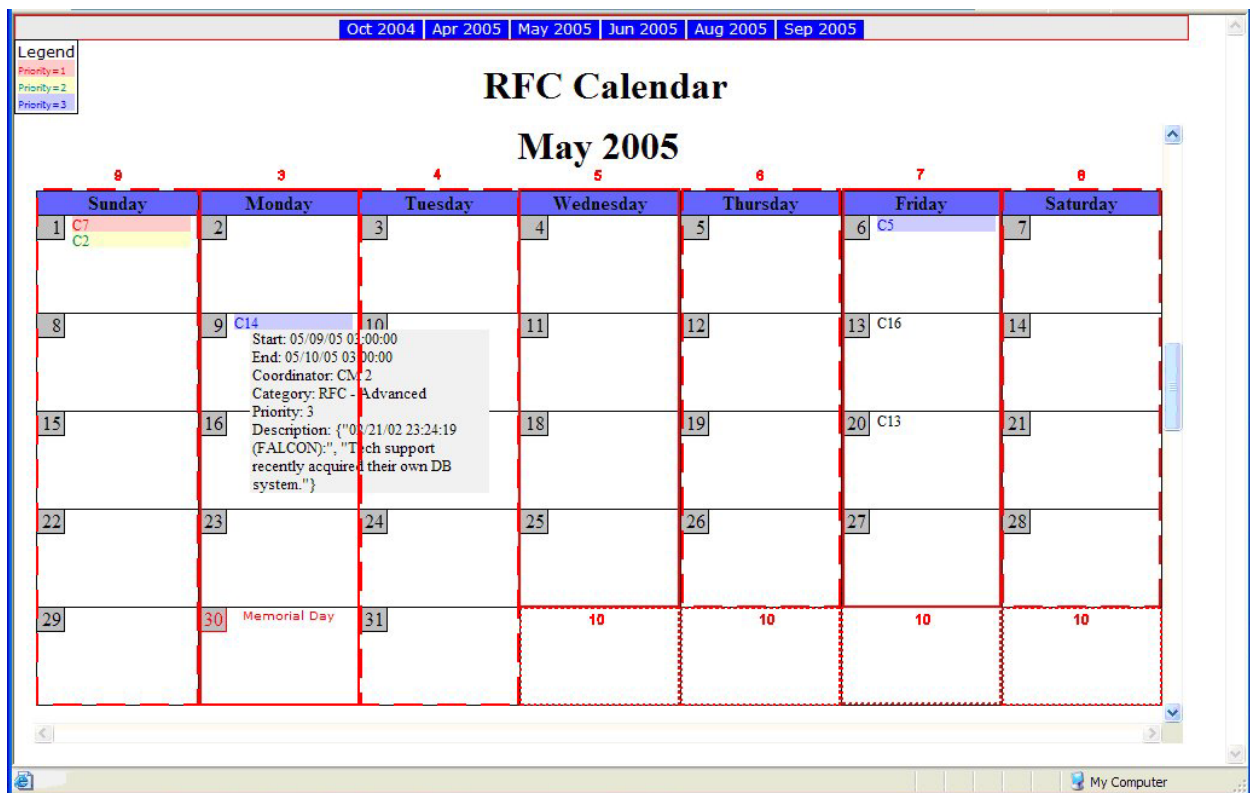
## CSS Classes

| Class                    | type  | parent      | Component           | Description                                                                                                     |
|--------------------------|-------|-------------|---------------------|-----------------------------------------------------------------------------------------------------------------|
| month-title <sup>1</sup> | h1    | div.calarea | Title of each month | heading that appears at the top of each month table                                                             |
| monthtbl <sup>2</sup>    | table | div.calarea | Month Table         | generic classes for all month tables (defining a style for this class will affect the appearance of all months) |



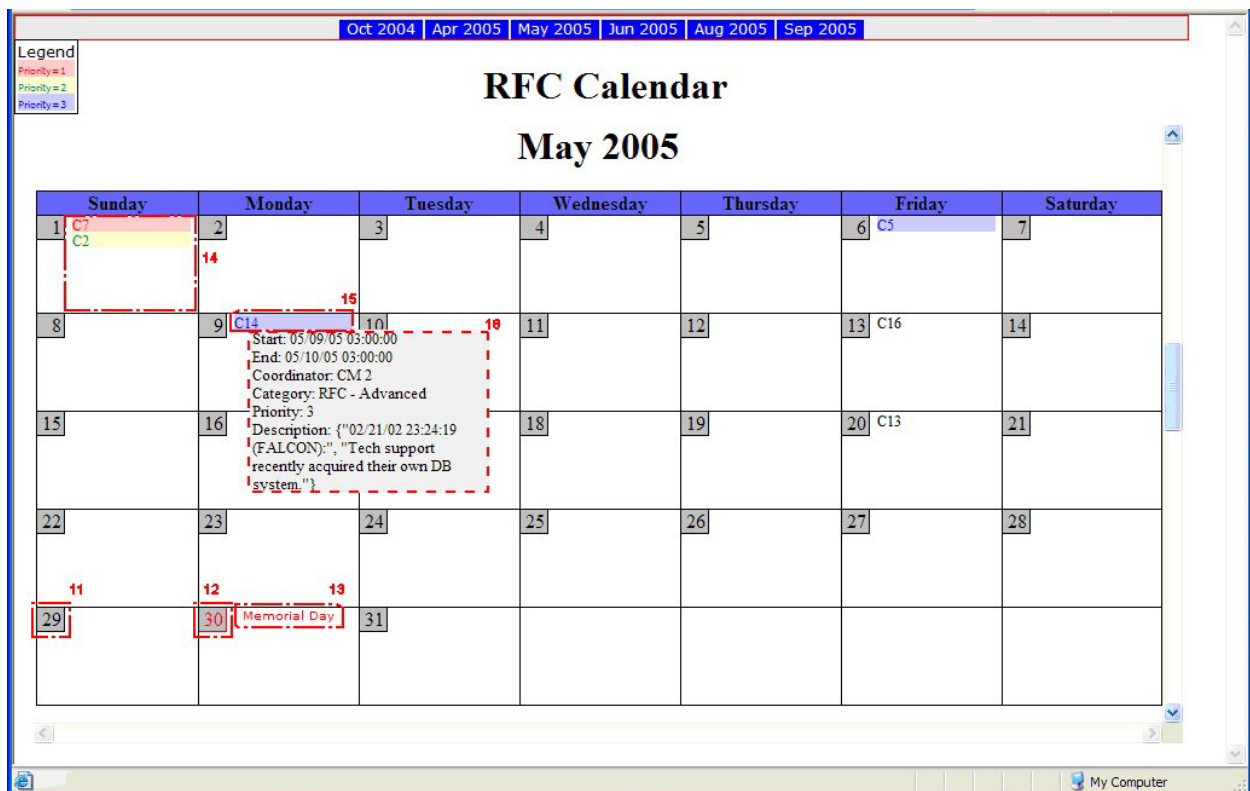
CSS Classes (cont.)

| Class               | type   | parent         | Component         | Description                                                                                     |
|---------------------|--------|----------------|-------------------|-------------------------------------------------------------------------------------------------|
| day1 <sup>3</sup>   | th, td | table.monthtbl | Monday column     | ... in every month                                                                              |
| day2 <sup>4</sup>   | th, td | table.monthtbl | Tuesday column    | ... in every month                                                                              |
| day3 <sup>5</sup>   | th, td | table.monthtbl | Wednesday column  | ... in every month                                                                              |
| day4 <sup>6</sup>   | th, td | table.monthtbl | Thursday column   | ... in every month                                                                              |
| day5 <sup>7</sup>   | th, td | table.monthtbl | Friday column     | ... in every month                                                                              |
| day6 <sup>8</sup>   | th, td | table.monthtbl | Saturday column   | ... in every month                                                                              |
| day7 <sup>9</sup>   | th, td | table.monthtbl | Sunday column     | ... in every month                                                                              |
| empty <sup>10</sup> | td     | table.monthtbl | Empty date blocks | Blocks used to fill in where month does not start on a Sunday and/or does not end on a Saturday |



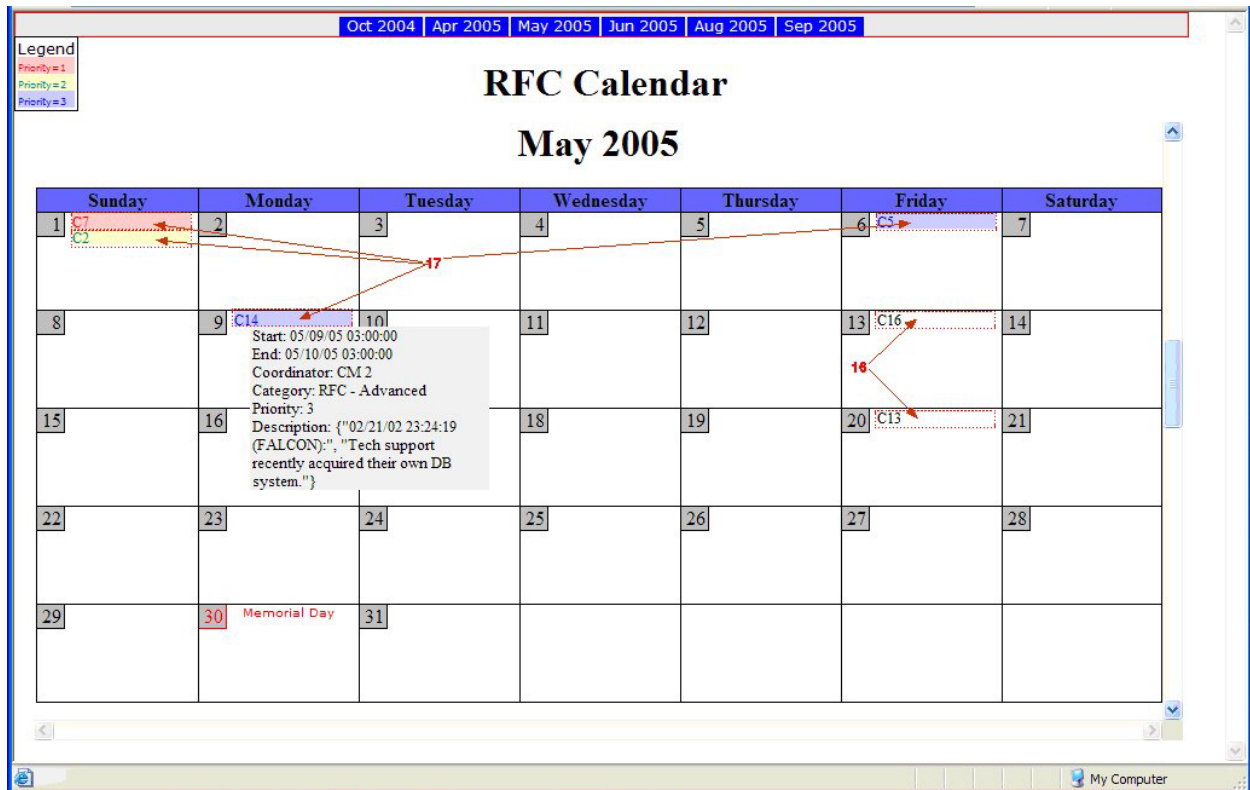
CSS Classes (cont.)

| Class                  | type | parent       | Component                                                     | Description                                                                                                                                                                                   |
|------------------------|------|--------------|---------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| datetext <sup>11</sup> | div  | td           | Date of the month                                             | The area in a date block that displays the date of the month                                                                                                                                  |
| holiday <sup>12</sup>  | div  | td           | Date of the month which matches an entry in the holiday table | The area in a date block that displays the date of the month (same as datetext above, but given a different class so holidays may have a special style such as setting the font color to red) |
| holiname <sup>13</sup> | span | td           | Holiday Name                                                  |                                                                                                                                                                                               |
| contents <sup>14</sup> | div  | td           | All the events for the date                                   | An area inside the date block which contains the list of events for that date.                                                                                                                |
| event <sup>15</sup>    | div  | div.contents | An individual event                                           | A single calendar entry                                                                                                                                                                       |
| details <sup>18</sup>  | div  | div.event    | Event details                                                 | The labels and values defined in the pop-up section of the calendar configuration record                                                                                                      |



CSS Classes (cont.)

| Class                 | type | parent       | Component         | Description                                                                                   |
|-----------------------|------|--------------|-------------------|-----------------------------------------------------------------------------------------------|
| s0 <sup>16</sup>      | div  | div.contents | Normal event      | This event does not match any of the highlighting values in the calendar configuration record |
| s1 - sn <sup>17</sup> | div  | div.contents | Highlighted event | This event matches highlighting value n in the calendar configuration record                  |



## Editing source code

Although not discouraged, modifying the source code is not supported. Future upgrades are not obligated to support user modifications. Assistance is available via email at [calendarhelp@expottoword.com](mailto:calendarhelp@expottoword.com)