



Maestro – Member Statement PDFs

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Introduction

Maestro Clients have requested an enhancement to Maestro that will enable the production of Member Statements that can be emailed directly to Members without the need for user intervention.

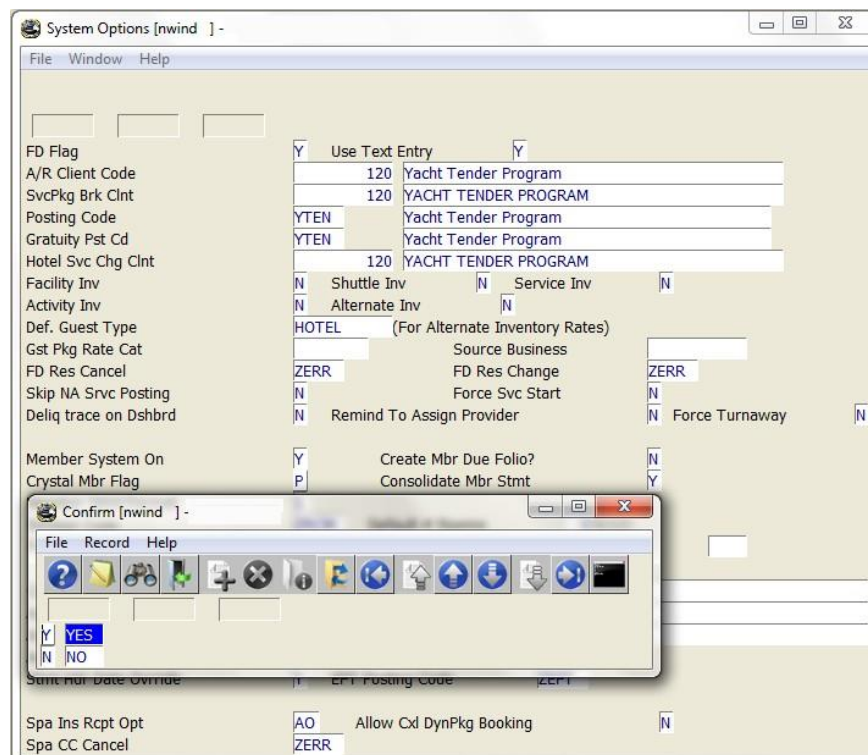
Strategy/Objectives

The same mechanisms employed for Owner Statement PDFs have been used for Member Statement PDFs.

Configuration Using Club Spa Maintenance

Production of Member Statements as PDF documents is controlled using the Club Spa Maintenance suite of programs.

The Global Setup screen is where the PDF format of Member Statement gets selected. As can be seen from the screen-shot below, PDF gets selected by setting the value 'P' within the Crystal Owner Statement field.



As can also be seen, Northwind are only advertising values of 'Y' and 'N' for this field. This is because the PDF facility requires a certain amount of configuration and should be done so with the assistance of Northwind Support to ensure results are satisfactory.

Global System Options Maintenance [nwind]

Option	Prop	Description	Option Data
345		RESERVED FOR FUTURE USE	N
346		USE SOCIAL GROUPS	N
347		RESERVED FOR FUTURE USE	N
348		RESERVED FOR FUTURE USE	N
349		RESERVED FOR FUTURE USE	N
350		RESERVED FOR FUTURE USE	N
351		RESERVED FOR FUTURE USE	N
352		EASIER SHARER SWITCHING	N
353		SC - R/D BOOKED MARKED ORDER	N
354		CONDO/TIMESHARE DEF. GUESTTYPE	
355		OWNER STATS GUEST TYPE FLAG	
356		OWNER STMT EMAIL FROM ADDRESS	
357		MEMBER STMT EMAIL FROM ADDRESS	RND@WOODBINE.AVE
358		SHARER GUEST COUNT FROM RES	N

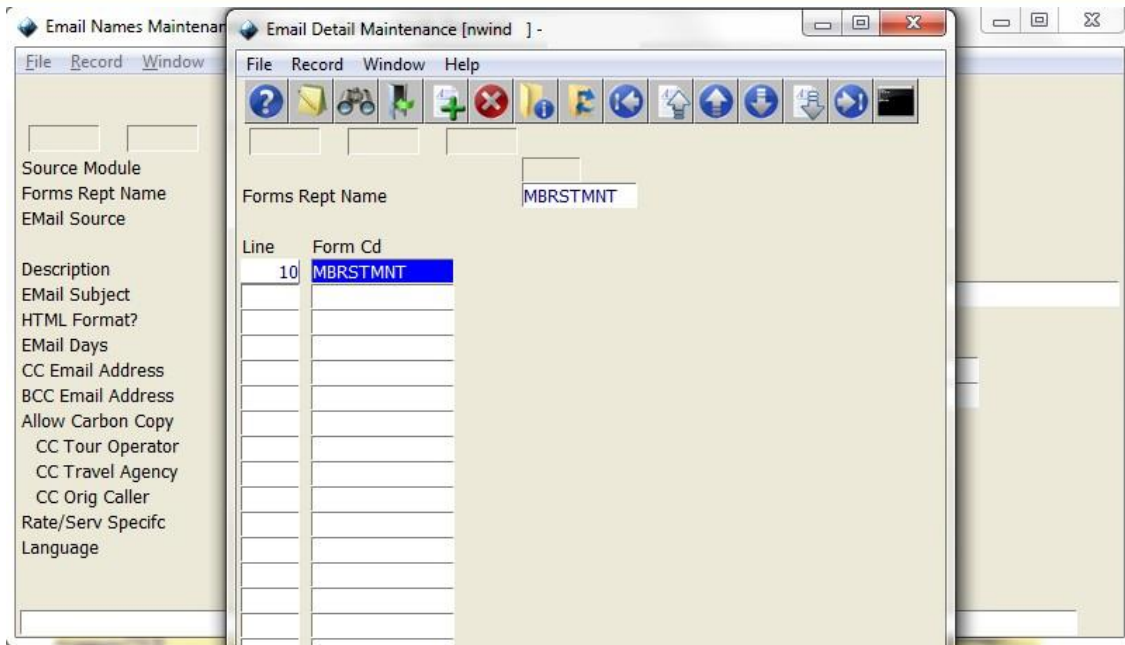
- Email templates. The subject and text body of Owner Statement emails are configured using the Email Names Maintenance program gb6500:

Email Names Maintenance [nwind]

Source Module	CM
Forms Rept Name	MBRSTMT
E-Mail Source	MS
Description	Member Statement
E-Mail Subject	th Statement of Account
HTML Format?	Y
E-Mail Days	
CC Email Address	
BCC Email Address	
Allow Carbon Copy	N
CC Tour Operator	N
CC Travel Agency	N
CC Orig Caller	N
Rate/Serv Specific	N
Language	EN
HTML Images location	

Both text and HTML format s are supported.

An Email Detail must be configured using the Email Detail Maintenance screen gb6510:

[illegible]

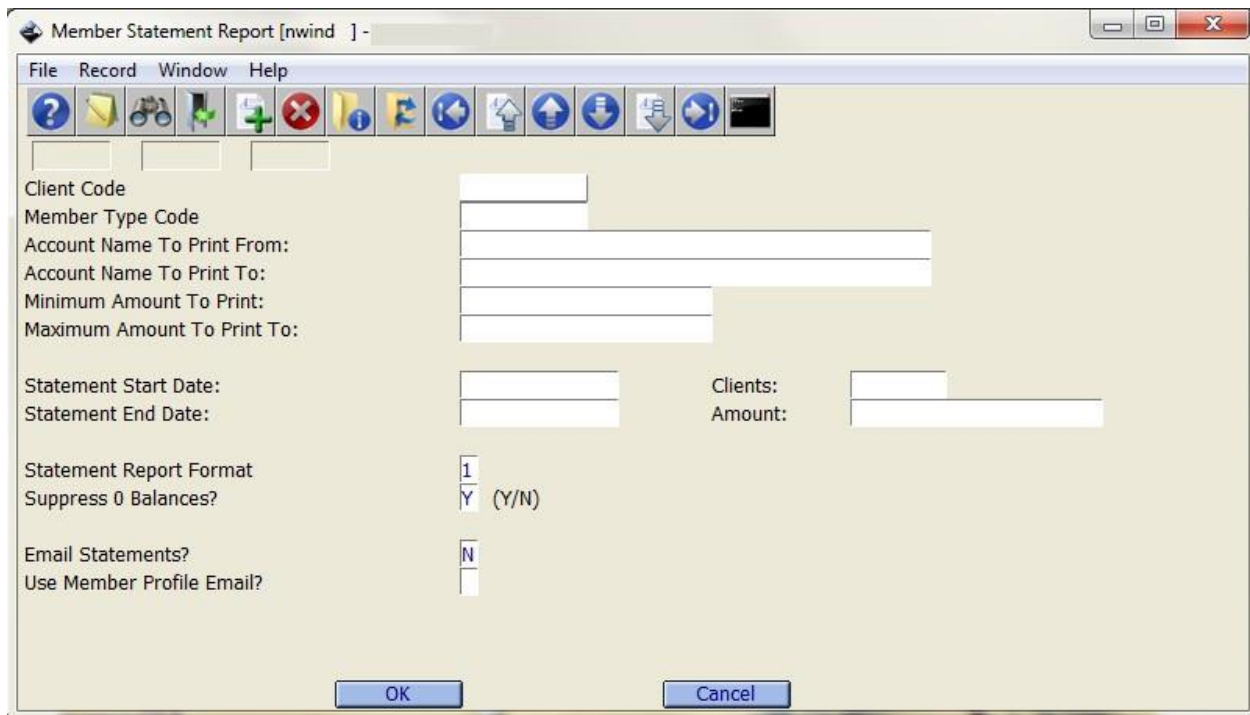
1.	<em_mbrstmnt.client_code>	Member's client code
2.	<em_mbrstmnt.first_Name>	Member's first name
3.	<em_mbrstmnt.last_name>	Member's last name
4.	<em_mbrstmnt.start_date>	Start date of reporting period
5.	<em_mbrstmnt.end_date>	Statement Date.

Maestro
PMS like no other.

Creating PDF Member Statements Using Club Spa System

Production of Member Statements as PDF documents is controlled using the Club Spa suite of programs, using the existing Member Statement Report screen.

With Maestro configured to create PDF statements then the report screen displays as shown below:



The screenshot shows a window titled "Member Statement Report [nwind] -". The window has a menu bar with "File", "Record", "Window", and "Help". Below the menu bar is a toolbar with various icons. The main area contains the following fields:

- Client Code: [Text Box]
- Member Type Code: [Text Box]
- Account Name To Print From: [Text Box]
- Account Name To Print To: [Text Box]
- Minimum Amount To Print: [Text Box]
- Maximum Amount To Print To: [Text Box]
- Statement Start Date: [Text Box]
- Statement End Date: [Text Box]
- Clients: [Text Box]
- Amount: [Text Box]
- Statement Report Format: [Text Box] 1
- Suppress 0 Balances?: [Text Box] Y (Y/N)
- Email Statements?: [Text Box] N
- Use Member Profile Email?: [Text Box]

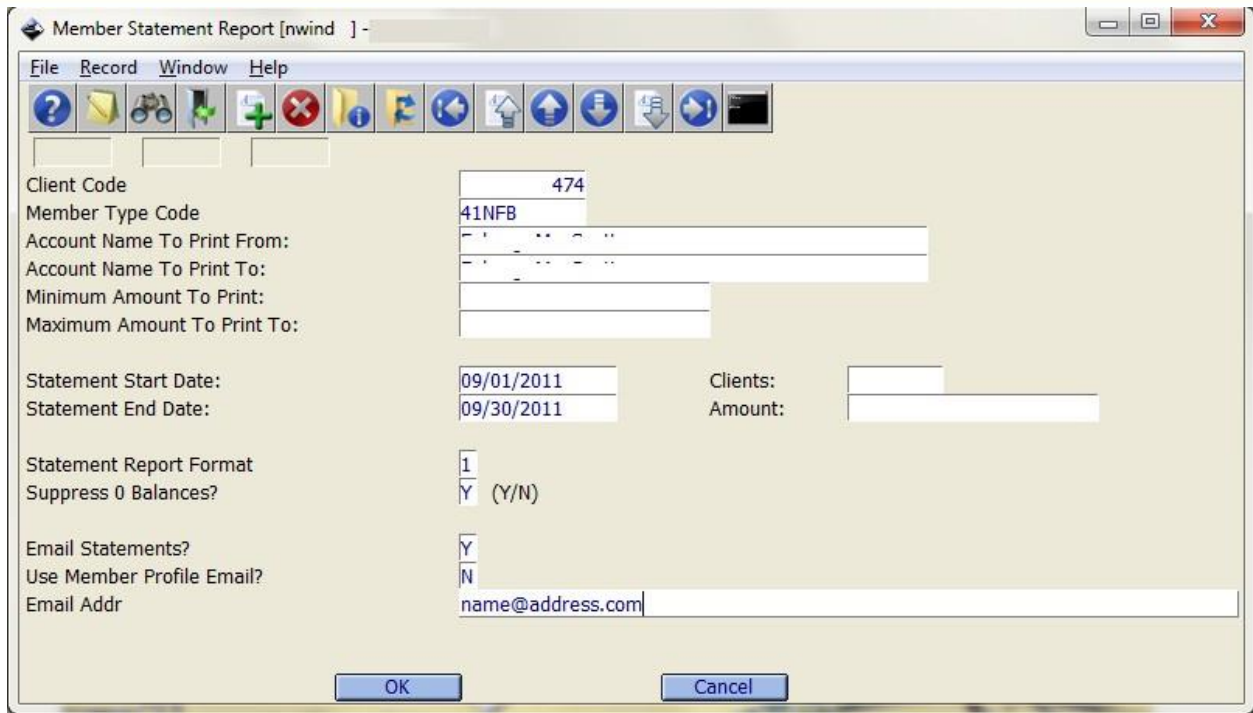
At the bottom of the window are two buttons: "OK" and "Cancel".

The screen now displays the additional fields at the bottom of the screen: **'Email Statements?'** and **'Use Member Profile Email?'**

The default behavior is that the PDF Statements generated do NOT get emailed to the Owners. This provides the Client with the ability to generate and review the PDF statements that get generated. The PDF statements will be generated in the location defined as `private_directory` within the initialization file. If the Client wants the PDF statements to be emailed to the Member, then they set the 'Email Statements?' field to 'Y'.

If the PDF statements are being generated for more than a single Member, then the reports will be emailed to the email address held on the Member's respective profiles.

If a PDF statement is being generated for a single member, then the screen will offer the ability to email the statement to a specified email address, as shown below. In order to make use of this facility, the user will need to indicate 'N' in the 'Use Member Profile Email?' field and then enter the required email address in the 'Email Addr' field.



Member Statement Report [nwind] -

File Record Window Help

Client Code: 474

Member Type Code: 41NFB

Account Name To Print From:

Account Name To Print To:

Minimum Amount To Print:

Maximum Amount To Print To:

Statement Start Date: 09/01/2011

Statement End Date: 09/30/2011

Clients:

Amount:

Statement Report Format: 1

Suppress 0 Balances?: Y (Y/N)

Email Statements?: Y

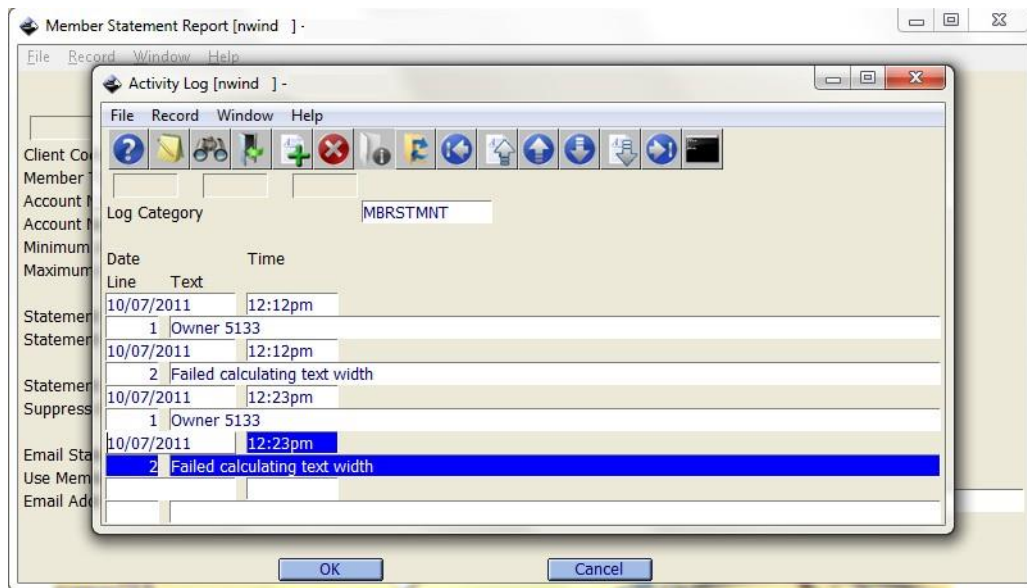
Use Member Profile Email?: N

Email Addr: name@address.com

OK Cancel

Error Logging

Any errors encountered during the generation of the Statements are logged and can be viewed using the 'Display Log' menu option:



Member Statement Report [nwind] -

File Record Window Help

Activity Log [nwind] -

File Record Window Help

Log Category: MBRSTMNT

Date	Time
10/07/2011	12:12pm
1	Owner 5133
10/07/2011	12:12pm
2	Failed calculating text width
10/07/2011	12:23pm
1	Owner 5133
10/07/2011	12:23pm
2	Failed calculating text width

OK Cancel

Appendix A demonstrates the PDF content of a Member Statement formatted according to the XML formatting file described in Appendix B.



Appendix A

Example PDF Member Statement, generated using the XML formatting file described in Appendix B.


Member Statement

Member Information:
S. M. M. M., Esq.
211 Sans Street
Providence, RI, 02906, US

Statement Details:
Print Date: Tuesday, October 11, 2011
Statement Date: Friday, September 30, 2011
Member Number: 404

Account Information:
Account Number: 3019
Opening Balance: 0.00
Activity from: January 1, 2011 to September 30, 2011

Reference	Date	Description	Payments	Expenses
17515	04/29/2011	F&B Credit		(250.00)

Total Payments 0.00
Total Expenses (250.00)
Total Amount Due To (250.00)

Summary **Member Number** 404

Current Due	Over 30	Over 60	Over 90	Over 120
(250.00)	0.00	0.00	0.00	0.00

Please remit payment to Forty One North

It should be noted that theMember Statement can be considered as a set of the following components:

- A Title
- An image/logo
- A block of date information
- Name and Address information
- Opening Balance information
- A colored box containing
- Column Header information
- A series of columned details
- A boxed area containing Closing Balance information
- Summary information containing aged balances and remit to information

Appendix B

Example XML formatting file, used to generate the PDF Member Statement, described in Appendix A. It is assumed that the reader has some basic familiarity with XML, especially the concept that data is contained with opening and closing TAGS. These tags begin with an angle bracket '<' and end with an angle bracket '>'.

It should also be understood that the closing tag has to match the opening tag, with an additional '/' character, before the tag name.

```
<?xml version="1.0" encoding="utf-8"?>
<format>
  <logo>
    <xpos>center</xpos>
    <ypos>top</ypos>
    <width>100</width>
    <height>100</height>
  </logo>
  <title>
    <data>Member Statement</data>
    <font>Helvetica-Bold</font>
    <font-size>12</font-size>
    <underline>y</underline>
    <xpos>center</xpos>
    <ypos>110</ypos>
  </title>
  <dates>
    <font>Helvetica</font>
    <font-size>10</font-size>
    <xpos>right</xpos>
    <ypos>140</ypos>
    <line3>
      <header>
        <font>Helvetica</font>
      </header>
      <value>
        <underline>n</underline>
      </value>
    </line3>
  </dates>
  <name_address>
    <font>Helvetica</font>
    <font-size>10</font-size>
    <xpos>40</xpos>
    <ypos>140</ypos>
    <name>
      <font>Helvetica</font>
      <underline>n</underline>
    </name>
    <address3>
      <font>Helvetica</font>
    </address3>
  </name_address>
  <open>
    <font>Helvetica</font>
    <font-size>10</font-size>
    <xpos>left</xpos>
    <ypos>220</ypos>
```

```

<line2>
  <header>
    <font>Helvetica-Bold</font>
  </header>
  <value>
    <underline>n</underline>
  </value>
</line2>
<line3>
  <header>
    <font>Helvetica-Bold</font>
  </header>
</line3>
</open>
<colorbox>
  <xpos>left</xpos>
  <ypos>280</ypos>
  <width>580</width>
  <height>30</height>
  <red>102</red>
  <green>256</green>
  <blue>154</blue>
</colorbox>
<detailhdr>
  <font>Helvetica</font>
  <font-size>10</font-size>
  <ref>
    <xpos>left</xpos>
    <ypos>290</ypos>
    <width>60</width>
    <height>20</height>
    <data>Reference</data>
    <underline>y</underline>
    <align>right</align>
  </ref>
  <date>
    <xpos>76</xpos>
    <ypos>290</ypos>
    <width>60</width>
    <height>20</height>
    <data>Date</data>
    <underline>y</underline>
    <align>left</align>
  </date>
  <desc>
    <xpos>136</xpos>
    <ypos>290</ypos>
    <width>200</width>
    <height>20</height>
    <data>Description</data>
    <underline>y</underline>
    <align>left</align>
  </desc>
  <inc>
    <xpos>446</xpos>
    <ypos>290</ypos>

```

```

        <width>60</width>
        <height>20</height>
        <data>Payments</data>
        <underline>y</underline>
        <align>right</align>
    </inc>
    <exp>
        <xpos>516</xpos>
        <ypos>290</ypos>
        <width>60</width>
        <height>20</height>
        <data>Expenses</data>
        <underline>y</underline>
        <align>right</align>
    </exp>
</detailhdr>
<detail>
    <font>Helvetica</font>
    <font-size>10</font-size>
    <ypos>315</ypos>
    <height>15</height>
    <ref>
        <xpos>left</xpos>
        <width>60</width>
        <align>right</align>
    </ref>
    <date>
        <xpos>76</xpos>
        <width>60</width>
        <align>left</align>
    </date>
    <desc>
        <xpos>136</xpos>
        <width>200</width>
        <align>left</align>
    </desc>
    <inc>
        <xpos>446</xpos>
        <width>60</width>
        <align>right</align>
    </inc>
    <exp>
        <xpos>516</xpos>
        <width>60</width>
        <align>right</align>
    </exp>
</detail>
<close>
    <xpos>left</xpos>
    <ypos>315</ypos>
    <width>580</width>
    <height>80</height>
    <line_style>dashed</line_style>
    <font>Helvetica-BoldOblique</font>
    <font-size>10</font-size>
    <line1>

```

```

    <xpos>150</xpos>
    <ypos>20</ypos>
  </line1>
</close>
<summary>
  <font>Helvetica</font>
  <font-size>10</font-size>
  <height>100</height>
  <ypos>395</ypos>
  <title>
    <data>Summary</data>
    <font>Helvetica-Bold</font>
    <xpos>120</xpos>
    <underline>y</underline>
  </title>
  <owner>
    <header>
      <font>Helvetica-Bold</font>
      <xpos>350</xpos>
      <underline>y</underline>
    </header>
    <value>
      <xpos>470</xpos>
    </value>
  </owner>
  <aging0>
    <xpos>100</xpos>
    <width>60</width>
    <height>15</height>
    <align>center</align>
    <header>
      <underline>y</underline>
    </header>
  </aging0>
  <aging30>
    <xpos>180</xpos>
    <width>60</width>
    <height>15</height>
    <align>center</align>
    <header>
      <underline>y</underline>
    </header>
  </aging30>
  <aging60>
    <xpos>260</xpos>
    <width>60</width>
    <height>15</height>
    <align>center</align>
    <header>
      <underline>y</underline>
    </header>
  </aging60>
  <aging90>
    <xpos>340</xpos>
    <width>60</width>
    <height>15</height>

```

```

<align>center</align>
<header>
  <underline>y</underline>
</header>
</aging90>
<aging120>
  <xpos>420</xpos>
  <width>60</width>
  <height>15</height>
  <align>center</align>
  <header>
    <underline>y</underline>
  </header>
</aging120>
<remit>
  <font>Helvetica-Bold</font>
  <xpos>center</xpos>
  <data>Please remit payment to XXXXXXXXX</data>
</remit>
</summary>
</format>

```

Whilst this file seems considerable; as with the PDF document, it should be examined as a series of components:

Title

```

<title>
  <data>Member Statement</data>
  <font>Helvetica-Bold</font>
  <font-size>12</font-size>
  <underline>y</underline>
  <xpos>center</xpos>
  <ypos>110</ypos>
</title>

```

These instructions describe the data to be written into the title, the font and font size to be used, the positioning of the title and that the data is to be underlined.

The Maestro XML formatting file supports the following fonts:

- Courier
- Courier-Bold
- Courier-Oblique
- Courier-BoldOblique
- Helvetica
- Helvetica-Bold
- Helvetica-Oblique
- Helvetica-BoldOblique
- Times-Roman
- Times-Bold
- Times-Italic
- Times-BoldItalic
- Symbol
- ZapfDingbats

The positioning tag <xpos> can have the values left, center, right or it can have a numeric value indicating the distance in pixels or points from the left of the page.

The positioning tag <ypos> can have the values top, bottom or it can have a numeric value indicating the distance in pixels or points from the top of the page.

Logo

```
<logo>
  <xpos>center</xpos>
  <ypos>top</ypos>
  <width>100</width>
  <height>100</height>
</logo>
```

The positioning tags are as described in the section for Title.

The <width> and <height> tags describe the number of pixels or points for the length of the width and height respectively for the image. Note: the width and height values do not have to match the natural size of the image being used, and therefore, these tags can be used to scale the image displayed on the page.

Dates

```
<dates>
  <font>Helvetica</font>
  <font-size>10</font-size>
  <xpos>right</xpos>
  <ypos>140</ypos>
  <line3>
    <header>
      <font>Helvetica</font>
    </header>
    <value>
      <underline>n</underline>
    </value>
  </line3>
</dates>
```

The Dates block comprises three lines. Within each line is a header and a value. These formatting instructions demonstrate that the header and value for each line can have customized formatting instructions, if required.

Name and Address

```
<name_address>
  <font>Helvetica</font>
  <font-size>10</font-size>
  <xpos>40</xpos>
  <ypos>140</ypos>
  <name>
    <font>Helvetica</font>
    <underline>n</underline>
  </name>
  <address3>
    <font>Helvetica</font>
  </address3>
```

</name_address>

The name and address block comprises a name line and three address lines, each of which can be individually customized.

Opening Balance

```
<open>
  <font>Helvetica</font>
  <font-size>10</font-size>
  <xpos>left</xpos>
  <ypos>220</ypos>
  <line2>
    <header>
      <font>Helvetica-Bold</font>
    </header>
    <value>
      <underline>n</underline>
    </value>
  </line2>
  <line3>
    <header>
      <font>Helvetica-Bold</font>
    </header>
  </line3>
</open>
```

The opening balance block comprises three lines. Within each line is a header and a value. These formatting instructions demonstrate that the header and value for each line can have customized formatting instructions, if required.

Color Box

```
<colorbox>
  <xpos>left</xpos>
  <ypos>280</ypos>
  <width>580</width>
  <height>30</height>
  <red>102</red>
  <green>256</green>
  <blue>154</blue>
</colorbox>
```

The Color Box block is a rectangle of color. The instructions describe where this rectangle is positioned and how large it is. The color can be defined as shown. It uses the RGB color model, where each of the colors: red, blue and green are described in terms of a number from 0 to 255. 0, 0, 0 is black and 255, 255, 255 is white.

Details Header

```

<detailhdr>
  <font>Helvetica</font>
  <font-size>10</font-size>
  <ref>
    <xpos>left</xpos>
    <ypos>290</ypos>
    <width>60</width>
    <height>20</height>
    <data>Reference</data>
    <underline>y</underline>
    <align>right</align>
  </ref>
  <date>
    <xpos>76</xpos>
    <ypos>290</ypos>
    <width>60</width>
    <height>20</height>
    <data>Date</data>
    <underline>y</underline>
    <align>left</align>
  </date>
  <desc>
    <xpos>136</xpos>
    <ypos>290</ypos>
    <width>200</width>
    <height>20</height>
    <data>Description</data>
    <underline>y</underline>
    <align>left</align>
  </desc>
  <inc>
    <xpos>446</xpos>
    <ypos>290</ypos>
    <width>60</width>
    <height>20</height>
    <data>Payments</data>
    <underline>y</underline>
    <align>right</align>
  </inc>
  <exp>
    <xpos>516</xpos>
    <ypos>290</ypos>
    <width>60</width>
    <height>20</height>
    <data>Expenses</data>
    <underline>y</underline>
    <align>right</align>
  </exp>
</detailhdr>

```

The Details header block is comprised of 5 parts which form the columns for the details. The parts comprise Reference, Date, Description, Payments and Expenses.

Each part has its own formatting instructions and can also inherit instructions from the enclosing detail header. The data values for each part are described in these instructions.

Each part must have positioning instructions, must have a width and height, and must have alignment instructions where the allowed values are: left, right, center or justify.

Details

```
<detail>
  <font>Helvetica</font>
  <font-size>10</font-size>
  <ypos>315</ypos>
  <height>15</height>
  <ref>
    <xpos>left</xpos>
    <width>60</width>
    <align>right</align>
  </ref>
  <date>
    <xpos>76</xpos>
    <width>60</width>
    <align>left</align>
  </date>
  <desc>
    <xpos>136</xpos>
    <width>200</width>
    <align>left</align>
  </desc>
  <inc>
    <xpos>446</xpos>
    <width>60</width>
    <align>right</align>
  </inc>
  <exp>
    <xpos>516</xpos>
    <width>60</width>
    <align>right</align>
  </exp>
</detail>
```

The Details block is comprised of 5 parts which form the columns for the details. The parts comprise Reference, Date, Description, Payments and Expenses.

The details block follows on from the details header block. Therefore, y positioning information is not required. Each part has its own formatting instructions and can also inherit instructions from the enclosing detail header. Each part must have x positioning instructions (which should match those of the Details Header), must have a width and height, and must have alignment instructions.

Closing Balance

```
<close>
  <xpos>left</xpos>
  <ypos>315</ypos>
  <width>580</width>
  <height>80</height>
  <line_style>dashed</line_style>
```

```

<font>Helvetica-BoldOblique</font>
<font-size>10</font-size>
<line1>
  <xpos>150</xpos>
  <ypos>20</ypos>
</line1>
</close>

```

This block contains Y positioning information in case there are no details on the Statement. If there are details, then this block follows on directly after the details.

The closing balance block is a rectangle that can be bounded by a line style. The following line styles are supported: dotted or dashed. Omitting the line style will result in no boundary.

The closing balance block comprises three lines. Within each line is a header and a value. The x and y positioning values are required for the first line and indicate the distance from the top left position of the closing balance block. The header and values for each line can be customized, if required.

Summary

```

<summary>
  <font>Helvetica</font>
  <font-size>10</font-size>
  <height>100</height>
  <ypos>395</ypos>
  <title>
    <data>Summary</data>
    <font>Helvetica-Bold</font>
    <xpos>120</xpos>
    <underline>y</underline>
  </title>
  <owner>
    <header>
      <font>Helvetica-Bold</font>
      <xpos>350</xpos>
      <underline>y</underline>
    </header>
    <value>
      <xpos>470</xpos>
    </value>
  </owner>
  <aging0>
    <xpos>100</xpos>
    <width>60</width>
    <height>15</height>
    <align>center</align>
    <header>
      <underline>y</underline>
    </header>
  </aging0>
  <aging30>
    <xpos>180</xpos>
    <width>60</width>
    <height>15</height>
    <align>center</align>
    <header>
      <underline>y</underline>
    </header>
  </aging30>
</summary>

```

```

</aging30>
<aging60>
  <xpos>260</xpos>
  <width>60</width>
  <height>15</height>
  <align>center</align>
  <header>
    <underline>y</underline>
  </header>
</aging60>
<aging90>
  <xpos>340</xpos>
  <width>60</width>
  <height>15</height>
  <align>center</align>
  <header>
    <underline>y</underline>
  </header>
</aging90>
<aging120>
  <xpos>420</xpos>
  <width>60</width>
  <height>15</height>
  <align>center</align>
  <header>
    <underline>y</underline>
  </header>
</aging120>
<remit>
  <font>Helvetica-Bold</font>
  <xpos>center</xpos>
  <data>Please remit payment to XXXXXXXX</data>
</remit>
</summary>

```

The summary block comprises title information, Member information, aging information and a remit to notice. The block contains Y positioning information in case there are no details on the Statement. If there are details, then this block follows on directly after the closing balance block. The block contains a height instruction, which is used to ensure that the report can keep the summary details together on the same page.

The data for the title and remit to notice are contained within these formatting instructions.

The aging details comprise header and value information, both of which can be formatted independently.