

XML QUICK REFERENCE

This *Quick Reference* lists the XML-enabled tags that the Monarch® ADTP1 and Monarch® ADTP2 printer can interpret. Your printer has Oracle® WMS (Warehouse Management) print jobs software, version 5.0.

About This Quick Reference

This *Quick Reference* contains instructions to define the Format Header and Option 21 (Define Extended Field Names) and a sample label format.

Note: This *Quick Reference* does not contain information about installing or setting up the printer for use on a network running Oracle® software.

Information in this document supercedes information in previous versions. Check our Web site (<http://printers.averydennison.com>) for the latest documentation and release information.

Selecting WMS XML

To print using the WMS XML setting, when you turn on the printer you should see XML in the upper left-hand corner of the display.

If XML is not shown in the upper left-hand corner of your display, follow these instructions to change the setting:

1. From the Main Menu, select **Setup, Interpreter, WMS XML**.
2. Press **SET** to save the change.

Note: The printer automatically restarts to initialize the change.

Defining the Format Header

A Format Header begins a format file.

Syntax {**F**,**format#**,**action**,**device**,**measure**,**length**, **width**,**"name"**}

- F1. *F* Format Header.
- F2. *format#* Number from **1-999** to identify the format.
- F3. *action* Enter **A** to add a new format to the printer.
- F4. *device* Format storage device. Use **F** (Flash).
- F5. *measure* Unit of measure: **E** (English), **M** (Metric), or **G** (Graphic Dots).

Printer	Unit of Measure	Length	Width
ADTP1/	English (1/100 inch)	32-1600	75-409
ADTP2	Metric (1/10 mm)	81-4064	191-1038
	203 dpi Dots	65-3248	152-832
	300 dpi Dots	96-3600	225-1248

Refer to the *Packet Reference Manual* for more information.

- F6. *length* Image length in selected units.
- F7. *width* Image width, from left to right, in selected units.
- F8. *"name"* Format name, **1-256** characters, enclose within quotation marks. The name can contain special characters, excluding non-printable control characters and the quotation mark (").

Example {**F**,**1**,**A**,**F**,**E**,**300**,**200**,**"XML_FORMAT_ONE"**}

Defines the name for format 1 as XML_FORMAT_ONE.

Using Option 21 (Define Extended Field Names)

Option 21 defines names for each field in a format.

Syntax `R,21,"field_name" |`

R1. *R* Option Header.

R2. *21* Option 21.

R3. *field_name* Specifies the field name. Must be enclosed within quotations. The name can be up to 256 characters, excluding non-printable control characters and the quotation mark ("). This name must match the one specified in the *variable name* or *Field name* attribute.

Example `T,2,10,V,250,50,0,1,1,1,B,C,0,0,0 |`
`R,21,"SALEPRICE_FIELD" |`

Defines the name for text field 2 as "SALEPRICE_FIELD."

Error Messages

You may receive this error when using XML supported tags.

002 The Format Name must be between 1 to 8 characters inside quotes. Extended Format Names and Option 21 names can be between 1 and 256 characters excluding non-printable control characters and the quotation mark (").

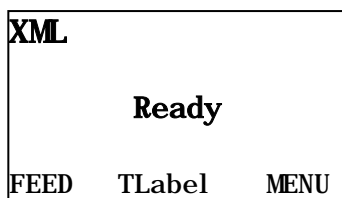
About Oracle WMS Print Jobs

The XML-enabled printer contains the following 10 Oracle® Warehouse Management print jobs (label formats):

- ◆ LPN Label
- ◆ LPN Summary Label
- ◆ Serial Label
- ◆ Shipping Label
- ◆ WIP Content Label
- ◆ LPN Content Label
- ◆ Material Label
- ◆ Location Label
- ◆ Shipping Content Label
- ◆ Flow Content Label

Refer to your *Oracle® Integration Certification Document – Oracle Warehouse Management Label Printing Integration Kit* for information about the format layout and descriptions of each field on the formats.

When you turn on the printer, you see



When you print test labels, the model number appears as **ADTP1 (XML)**, for example.

Supported Tags

There are three supported XML tags for Oracle Warehouse Management print jobs. The printer ignores any other XML tags/attributes not defined in this document and no error is reported.

Syntax

```
<labels attributes="values">
  <label attributes="values">
    <variable name="name">data</variable>
  </label>
</labels>
```

labels This tag contains one or more labels, which may include one or more of the following attributes:

_FORMAT The default name of the format. This name must match the one specified in the Format Header.

_QUANTITY Quantity to print. 1 is the default.

label This tag contains a single label, which may include one or more of the following attributes:

_FORMAT The default name of the format. This name must match the one specified in the *Format Header*. If no format name is given, then the default format name from the *labels* tag *_FORMAT* attribute is used.

_QUANTITY Quantity to print. If no quantity is specified, then the default quantity from the *labels* tag *_QUANTITY* attribute is used.

variable This tag specifies the field name and the variable field data. It must contain the following attribute:

name The name of the field that matches the ones specified using Option 21. It must contain the variable data (batch data) associated with the format.

Sample MPCL Format

```
{F,1,A,F,E,400,400,"XML_FORMAT_ONE" |
T,1,25,V,20,20,0,1,1,1,B,L,0,0|
R,21,"TEXT_FIELD_XML" |
B,2,30,V,100,20,8,8,75,0,L,0|
R,21,"CODE_128_BARCODE_FIELD_XML" | }
```

This MPCL format uses:

- ◆ format – **XML_FORMAT_ONE**
- ◆ text field – **TEXT_FIELD_XML**
- ◆ bar code field – **CODE_128_BARCODE_FIELD_XML**.

Sample XML Print Job

```
<?xml version="1.0" encoding="UTF-8" standalone="no"?>
<!DOCTYPE labels SYSTEM "label.dtd">
<labels _FORMAT ="XML_FORMAT_ONE" _QUANTITY="1">
<label>
<variable name= "TEXT_FIELD_XML">XML Test Label</variable>
<variable name= "CODE_128_BARCODE_FIELD_XML">Code128data</variable>
</label>
</labels>
```

This XML print job uses:

- ◆ format – **XML_FORMAT_ONE**
- ◆ text field – **TEXT_FIELD_XML** with data – **XML Test Label**
- bar code field – **CODE_128_BARCODE_FIELD_XML** with data – **Code128data.**