Question: What's new in IPL v.2.75.2?

Scope: Firmware release IPL 2.75.2 [MCS1900]

Problem Description/Purpose:
New implementations and bug corrections.

Answer:

Caution: IPL2.75.2 firmware version requires minimum 16MB SDRAM to work properly. Kindly upgrade to 16MB RAM before upgrade.

Release document for IPL 2.75.2. For further details, please see attached document.

1. New Implementation:

- Added support for USPS 4 state barcode.

- Intelligent barcode support for USPS.

The Intelligent Mail barcode is the term coined by the United States Postal Service (USPS) for the new barcode symbology used to track and sort mails and flat packages. The Intelligent Mail barcode combines the information of both the POSTNET and PLANET symbologies and additional information into a single barcode about the same size as the traditional POSTNET symbol. It is also known as the USPS OneCode solution or the USPS 4-State Customer barcode.

It contains following data format:

For example: Consider for data '0123456709498765432101234567891'

<table>
<thead>
<tr>
<th>Data Fields</th>
<th>Data</th>
</tr>
</thead>
<tbody>
<tr>
<td>Barcode ID</td>
<td>01</td>
</tr>
<tr>
<td>Service Type ID</td>
<td>234</td>
</tr>
</tbody>
</table>
IPL barcode example for 11 digit Zip code and total data length 31 digits.

<STX>R<ETX>

<STX><ESC>C<ETX>

<STX><ESC>P<ETX>

<STX>E1;F1;<ETX>

<STX>B1; o000,100:f0;c25:d3,0123456709498765432101234567891;i1<ETX>

<STX>I1; o0,140:f0;x0;c2;h3:w2;d3;<ETX>

<STX>R<ETX>

<STX><ESC>E1<ETX>

<STX><ETB><ETX>

Results in:

```
01 234 567094 987654321 01234 5678 91
```

2. Corrected Issues:

2.1 CPR- PM4i version 2.60 long delays between printed delays.

- Corrected.

2.2 The Flag Character is not printing properly.

- Corrected. Output flag character is observed to be fixed.

2.3 Avalanche does not work with Cisco AP when WPA-PSK is used.

- Corrected. PM4i detected in Avalanche console when connected using WPA (PSK) using Cisco1300 AP

2.4 VOID label will not print with Sunmaid format.

- Corrected.
2.5 PM4i DNS Timeout too long.
-Corrected.

2.6 PX4i (400dpi) prints blank label or prints 'messy' characters.
- Corrected. The default TrueType font character cell size (PX4i) is now set to 10x10 in Legacy mode and to enable to legacy mode to support correct custom font printing.

2.7 PM4i w/ cutter does not continue printing after clearing jam.
- Corrected. Printing resumes after clearing jam.

2.8 RFID FieldStrength on main configuration web page is wrong.
- Corrected.

2.9 Top of form not correct for larger gap media.
- Corrected.

2.10 PM4i RFID cannot write more than 14bytes in User bank.
- Corrected. Now able to write 28bytes of data at user memory bank.

2.11 EasyLAN 100e reports a Ready Status when printer is in Setup.
- Corrected.

2.12 Avalanche thread uses too much processing time.
- Corrected with improved time taken for write and read operation on the file system.

2.13 PM4i legacy mode has wider spacing for C26 field data.
- Corrected. PM4i Legacy mode spacing for C26 field data has been reduced to print correctly as 3400 printer.

2.14 PM/PF/PX: IPL2.75 will not connect to Dynamic WEP/ 802.11
- Corrected.

2.15 PD41/42 printer shows wlan settings.
- Corrected. PD41/42 (without wlan card) does not show wlan setting.

2.16 IPL firmware will delay when printing from a Windows Generic driver.
- Corrected.
2.17 PM4i with IPL 2.75 prints Japanese character different from 3400e.
- Corrected.

2.18 Missing QRcode from PM4i legacy mode different from 3400e.
- Corrected. Observed that the QR code is printing when PM4i legacy mode is enabled.