



## Release Notes

### Version 9

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## MX100 Licensing

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Mx100 uses a standalone licensing mechanism utilising Safenet RMS v8.2.0. The license is locked to the MAC address of the PC it is running on.

It is shipped with a fully functional 30 day trial period that starts to count down the first time it is invoked. After 30 days a license must be obtained.

## MX100 Windows Operating System Table

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The table below defines the availability of the various versions of MX100 on differing Windows platforms. The service pack information indicates the minimum standard required.

	Support From	Support Removed From
<b>Windows 95 SE</b>	8.0A.2	8.2A
<b>Windows ME</b>	8.0A.2	9.0.0.0
<b>Windows NT sp6a</b>	8.0A.2	9.0.0.0
<b>Windows 2000</b>	8.0A.2	
<b>Windows 2003 Server</b>	8.0A.2	
<b>Windows XP</b>	8.0A.2	
<b>Windows Vista (32 bit only)</b>	8.15A	

## MX100 UNIX Operating System Table

The table below defines the builds of the various versions of MX100 on differing UNIX platforms.

	Development Platforms					
	AIX	HP-UX	SCO	NCR SVR4	Linux	Solaris 8/SunOS
<b>7.9F</b>	x	x	✓ OpenServer 5	✓ SVR4	x	x
<b>7.9G</b>	✓ 3.4	✓ 10.20	x	✓ SVR4	x	x
<b>8.1A</b>	x	x	x	x	x	✓ 5.8
<b>8.1B</b>	x	x	x	x	x	✓ 5.8
<b>8.2A-B</b>	x	x	x	x	x	✓ 5.9
<b>8.4D</b>	x	x	x	x	✓ Redhat 7.3 & 9	x
<b>8.19.2.0</b>	x	x	x	x	✓ Redhat 7.3 & 9	✓ 5.9
<b>9.3.3.0</b>	x	x	x	x	✓ slackware 12.1 & Ubuntu 7.1	x

Please note that UNIX builds are created as required for specific customer installations and are subject to focused testing only. Where a requirement for a UNIX build is identified please contact Support Services for advice. More specific information is provided in the release notes for which versions of UNIX each build will run on.

## Scale Support

M Series Scale Version	Protocol version number (P.V.N.)	Network.ctl Machine Type	Full support from MX100 version
V2.0.x	3	MOSP3	V6.2A
V2.1.x	4	MOSP4	V6.2A
V2.2.x	5	MOSP5	V6.3A
V2.3.x	6	MOSP6	V6.4A
V2.4.x	7	MOSP7	V6.5A
V3.0.0.0	8	MOSP8	V6.6B
V3.0.x	9	MOSP9	V6.6B
V3.1.x	10	MOSP10	V6.8A
V3.2.x	11	MOSP11	V6.9A
V3.3.x	3300	MOSP3300	V6.10A
V3.4.x	3400	MOSP3400	V7.2A
V3.5.x	3500	MOSP3500	V7.4A
V3.6.x	3600	MOSP3600	V7.5A
V4.0.x	4000	MOSP4000	V7.7A
V4.1.x	4100	MOSP4100	V7.9A
V4.2.x	4200	MOSP4200	V7.10A
V5.0.x	5000	MOSP5000	V8.0A
V5.0.0.1	5001	MOSP5001	V8.0A
V5.2.0.0	5200	MOSP5200	V8.4A
V5.3.0.0	5300	MOSP5300	V8.6A
V6.0.0.0	6000	MOSP6000	V8.8A
V6.1.0.0	6100	MOSP6100	V8.9A
V6.2.0.0	6200	MOSP6200	V8.15A
V6.4.0.0	6400	MOSP6400	V9.3.0.0
V7.1.0.0	7100	MOSP7100	V9.2.0.0
V7.2.0.0	7200	MOSP7200	V9.2.0.0
V7.3.0.0	7300	MOSP7300	V9.5.0.0
V7.4.0.0	7400	MOSP7400	V9.5.0.0
V7.5.0.0	7500	MOSP7500	V9.6.0.0
V7.6.0.0	7600	MOSP7600	V9.6.0.0

Note: MOSP8 is only for v3.0.0.0. After this all phase 3.0.x machines use MOSP9

GM Series Scale Version	Protocol version number (P.V.N.)	Network.ctl Machine Type	Full support from MX100 version
V3.4.x	3400	GMP3400	V7.2A
V3.5.x	3500	GMP3500	V7.4A
V3.6.x	3600	GMP3600	V7.5A
V4.0.x	4000	GMP4000	V7.7A
V4.1.x	4100	GMP4100	V7.9A

IM Series Scale Version	Protocol version number (P.V.N.)	Network.ctl Machine Type	Full support from MX100 version
V7.0.x	7000	IMP7000	V9.0.0.0
V7.1.x	7100	IMP7100	V9.2.0.0
V7.2.x	7200	IMP7200	V9.2.0.0
V7.3.x	7300	IMP7300	V9.5.0.0
V7.4.x	7400	IMP7400	V9.5.0.0
V7.5.x	7500	IMP7500	V9.7.0.0
V7.6.x	7600	IMP7600	V9.7.0.0

MP Series Counter Application	MP Series Self Service Application	Network.ctl Machine Type	Full support from MX100 version
V1.7.x and below	V1.0.0 and above	MOSPC	V6.2A
V1.8.x	V1.3.0 and above	MOSPC1	V6.2A
V1.9.x	V1.3.2 and above	MOSPC2	V6.2A
V1.10.x	V1.3.6 and above	MOSPC3	V6.10B
V1.11.x	V1.4.4 and above	MOSPC4	V7.2C
V1.12.x	V1.4.30 and above	MOSPC5	V7.3A
V112.0.0	V1.4.30 and above (using V112.0.0 platform)	MOSPC6	V7.4A
V1.13.x	V1.5.0 and above	MOSPC13	V7.4A
V1.14.x	V1.6.0 and above	MOSPC14	V7.7A
V1.16.x	V1.6.500 and above	MOSPC16	V8.0A
V1.17.x	V1.6.500 and above	MOSPC17	V8.0A
V1.19.x	V1.19.x	MOSPC19	V8.5A
V1.19.4.x	V1.19.4.x	MOSPC11902	V8.6C
V2.0.1	V2.0.0	MOSPC02000	V8.13A
V2.0.1	V2.0.2	MOSPC02010	V8.14A
V2.1.0	V2.1.0	MOSPC02100	V8.17.2.0
V2.2.0.2	V2.2.0.2	MOSPC02200	V9.0.0.0
V2.2.4.0	V2.2.4.0	MOSPC02400	V9.2.0.0
V2.2.5.0	V2.2.5.0	MOSPC02250	V9.3.0.0

B806 Scale Version		Network.ctl Machine Type	Full support from MX100 version
MOD6		B806229130M6	V6.7A
MOD10		B806229130M10	V6.1A
MOD11		NOT SUPPORTED	
MOD17		B806229130M17	V7.8A
MOD32		B806229130M32	V8.2A
MOD33		B806229130M33	V8.5A
MOD35		B806229130M35	V8.5A

CX Scale Version		Network.ctl Machine Type	Full support from MX100 version
P 1.3		CX30p3	V6.1A
P 1.5		CX20p5	V6.1A
P1.5.2		CX2052	V6.1A
P1.5.4		CX2054	V6.1A

IX Series Scale Version	Protocol version number (P.V.N.)	Network.ctl Machine Type	Full support from MX100 version
V2.1	3400	IXP2010	V9.9.0.1

<b>WSWA Version</b>	<b>Protocol version number (P.V.N.)</b>	<b>Network.ctl Machine Type</b>	<b>Full support from MX100 version</b>
WA0364	Field Trial Only	WSWA	V8.7A
B0526 B0554 B0559 B0564 B0528 B0556 B0561 B0566 B0574 B0558 B0563 B0568	01000	WSWAP01000	V8.8B
B0561A (French only)	01010	WSWAP01010	V8.10B
Unidentified versions	00001	WSWAP00001	V8.11A
WXX01000	01000	WSWAP01000	V8.11A
WXX01010	01010	WSWAP01010	V8.11A
WXX01020	01020	WSWAP01020	V8.12A
WXX01030	01030	WSWAP01030	V8.12B
WXX01040	01040	WSWAP01040	V8.14A
WXX01050	01050	WSWAP01050	V8.16A
WXX01060	01060	WSWAP01060	V8.18.1.0
WXX01070	01070	WSWAP01070	V8.18.2.0
WXX01080	01080	WSWAP01080	V9.3.1.0
WXX01100	01100	WSWAP01100	V9.5.0.0
WXX01110	01110	WSWAP01110	V9.8.0.0

“Unidentified versions” are Non Avery versions of WSWA that do not report their version information. Currently, the only such version validated with mx100 is an Australian version B0514.

From 8.11A the version strings from the WSWA has been re-formatted.

The following format is now used  
WMLNNNNN

W = character “W” to distinguish from any Japanese version numbering

M = Machine Type  
1 = WA  
2 = WS15  
3 = IP

L = Language identifier  
F = French  
G = German  
E = English  
D = Dutch  
S = Slovak  
R =Romanian  
I = Italian  
U =Russian (Codepage must be set to 1251)  
S – Slovakian  
Z = Czech  
X = Irish  
C = Columbian

NNNNN = protocol version number



## Component Configuration

MX100 Version	GUID	Version of License component
9.0.0.5	{29919111-F393-4BE5-80E2-028F1DCD3BDA}	V1.2
9.2.0.0	{DBDCB7FE-40A5-4853-8B9B-808DD4E05AA1}	V10.3.0.0
9.3.0.0	{ 65985822-55DE-46E1-8E6C-C781480CED2D}	V10.3.0.0
9.3.1.0	{ 65985822-55DE-46E1-8E6C-C781480CED2D}	V10.3.0.0
9.3.2.0	{ 65985822-55DE-46E1-8E6C-C781480CED2D}	V10.3.0.1
9.5.0.0	{ 7E169687-2968-4796-BC60-77A39434F9F0}	V10.4.0.0
9.6.0.0	{C90F53EC-51FC-4B7B-A679-D70EBAAE8E09}	V10.5.0.0
9.7.0.0	{4831C938-2C02-42F8-8234-E44900F5AC1F}	V10.5.0.0
9.8.0.0	{8FF40326-6CEF-4ED3-ACE1-B855A9431D6E}	V10.5.0.0
9.8.1.0	{8FF40326-6CEF-4ED3-ACE1-B855A9431D6E}	V10.6.0.0
9.9.0.1	{A313D166-0916-4D8B-9FFE-1B9923B79BE0}	V10.6.0.0
9.9.1.0	{A313D166-0916-4D8B-9FFE-1B9923B79BE0}	V10.9.0.0

## Highlights

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### **Version 9.9.1.0**

- Various bug fixes

### **Version 9.9.0.1**

- IXe 2.1 support

### **Version 9.8.2.0**

- Transaction Collection fixed for IM V7.5 & V7.6

### **Version 9.8.1.0**

- Various bug fixes

### **Version 9.8.0.0**

- Support for WSWA 1110

### **Version 9.7.0.0**

- Support for IM series 7.5 and 7.6
- Various bug fixes

### **Version 9.6.0.0**

- Support for M series 7.5 and 7.6

### **Version 9.5.1.0**

- Various bug fixes

### **Version 9.5.0.0**

- M/IM Series 7.3/7.4 support added
- WSWA 1100 support added
- Various bug fixes

### **Version 9.3.5.0**

- Various bug fixes

### **Version 9.3.4.0**

- Various bug fixes

### **Version 9.3.3.0**

- LINUX port

**Version 9.3.2.0**

- License activation bug fixed
- M series 5.3 broken communications fixed

**Version 9.3.1.0**

- WSWA 1080 support added
- New format data reference guide

**Version 9.3.0.0**

- MP Series 2.5 support added
- M Series 6.4 support added
- Various bug fixes

**Version 9.2.0.0**

- License location changed for Vista compliance
- M/IM Series 7.2 support added
- M/IM Series 7.1 support added
- MP Series 2.4 support added
- Various bug fixes

**Version 9.0.5.0**

- Install shield changes

**Version 9.0.3.0**

- Various bug fixes

**Version 9.0.2.0**

- Various bug fixes

**Version 9.0.1.0**

- Various bug fixes

**Version 9.0.0.0**

- IM Series support added
- Sentinel RMS V8.1 Licensing added
- Driver Wrapper DLLs added to distribution
- Various bug fixes

## Version 9.9.1.0

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MX100 Version 9.9.1.0 is a full Windows Release.  
It is based on Version 9.0.0.1.

### Modified Components

Component	Notes	Functional Change
Rt_comms.exe	Data maintenance	No
Rt_trans.exe	Transaction collection	No
rtstrans.exe	Subtotal receipt version	No
Rt_quit.exe		No
Rt_start.exe		No
Rt_stop.exe		No
Ablogger.exe	Audit server	No
Naudit.dll	Audit client component	No
Nregistry.dll	Registry module	No
Trans.dll	Translation component	No
Recordp.dll	Command processor	No
Mos.dll	M/GM driver	Yes
KeyCodeTrans.dll	Keyboard key code translation DLL for M series driver	No
Sdc603.dll	CX Driver	No
Sdb806.dll	B806 driver	No
Sap500.dll	Sap500 driver	No
Rem_drvr.dll	MP router(not driver)	No
Select.dll		No
Spexec.dll	Mx400 interface	No
Spexecv8.dll	License interface	No
Lic_chk.dll	Corporate license	No
Activate.exe	License interface	No
Driface.dll	Driface file parser	No
Asiwin32.dll	Communications module	No
Chartrans.dll	Codepage translator	No
Spexecif.dll	Label editor license wrapper	No
WSWA.dll	WSWA Driver	No
WSWAtrans.dll	WSWA transformation dll	No
B806trans.dll	B806 transformation dll	No
Transport.dll	General comms dll	No
Agnus.exe	Label Format converter	No

The above is not a complete list of exe and DLL's in Mx100 but a list of general component groups.

### Changed in 9.9.1.0

1. The latest version of the license component 10.9 has been added to mx100. This includes a new diagnostic tool and a few minor bug fixes.

<b>Allchange Reference</b>	CR08284
<b>Helpmaster Reference</b>	
<b>Commands affected</b>	N/A
<b>Scale Types affected</b>	N/A
<b>OS affected</b>	Windows
<b>Modified components</b>	Spexecv8.dll, activate.exe
<b>Risk Analysis</b>	LOW

2. The evolution driver has been completely removed from MX100 (driface, ch files, and entries in drivers.def)

<b>Allchange Reference</b>	CR06519
<b>Helpmaster Reference</b>	
<b>Commands affected</b>	N/A
<b>Scale Types affected</b>	N/A
<b>OS affected</b>	ALL
<b>Modified components</b>	ALL
<b>Risk Analysis</b>	LOW

3. The terminology in newerrors.xml file has been improved.

<b>Allchange Reference</b>	CR06144
<b>Helpmaster Reference</b>	
<b>Commands affected</b>	N/A
<b>Scale Types affected</b>	ALL
<b>OS affected</b>	ALL
<b>Modified components</b>	newerrors.xml
<b>Risk Analysis</b>	LOW

4. The mapping of the Euro character has been corrected in all variants of the 1252 codepage files. Previously it was mapped to SPACE

<b>Allchange Reference</b>	CR04852
<b>Helpmaster Reference</b>	
<b>Commands affected</b>	All
<b>Scale Types affected</b>	M series
<b>OS affected</b>	ALL
<b>Modified components</b>	1252*.ch
<b>Risk Analysis</b>	LOW

5. When doing WSWA PLU updates if no entry is found in the barcode.ctf (for the supplied EAN field) and the DefaultArticleDigits registry key is not set, error 825 is given.

<b>Allchange Reference</b>	CR04462
<b>Helpmaster Reference</b>	318539
<b>Commands affected</b>	#1
<b>Scale Types affected</b>	WSWA
<b>OS affected</b>	ALL
<b>Modified components</b>	Wswa.dll
<b>Risk Analysis</b>	LOW

6. When doing a PLU update the default value for second label type (1632) has been changed to NONE. It was set as INGREDIENT ONLY. In most installations of the wrapper only one label is being printed. With this set to INGREDIENT ONLY it had the effect of the ingredients NOT being printed at all.

<b>Allchange Reference</b>	CR03828
<b>Helpmaster Reference</b>	
<b>Commands affected</b>	#1
<b>Scale Types affected</b>	WSWA
<b>OS affected</b>	ALL
<b>Modified components</b>	WSWA Tpl files
<b>Risk Analysis</b>	LOW

### Fixed in 9.9.1.0

1. When doing communications to an Ixe scale there was a fixed 2 second delay between the transmission of each PLU. This fixed delay has been replaced with a configurable delay programmable via the following registry key.

SOFTWARE\AveryBerkel\MX100\_V9\9.00\Driver\M Series\IXSENDDDELAY.

(units in milli-seconds)

The default is 2000 if not specified.

<b>Allchange Reference</b>	DR07434
<b>Helpmaster Reference</b>	522382
<b>Commands affected</b>	#1
<b>Scale Types affected</b>	IXe
<b>OS affected</b>	ALL
<b>Modified components</b>	Mos.dll
<b>Risk Analysis</b>	LOW

2. Certain promotion types (1068 value 1, 2, 3 and 8) were resetting the tare reference field (1057) when sending PLU's to an M-Series scale.

<b>Allchange Reference</b>	DR06568
<b>Helpmaster Reference</b>	518101
<b>Commands affected</b>	#1
<b>Scale Types affected</b>	M series
<b>OS affected</b>	ALL
<b>Modified components</b>	Mos.dll
<b>Risk Analysis</b>	LOW

3. The registry.ctl shipped with MX100 v9.3.3.0 LINUX had all entries set to V8.00 rather than V9.00

<b>Allchange Reference</b>	DR06297
<b>Helpmaster Reference</b>	
<b>Commands affected</b>	N/A
<b>Scale Types affected</b>	ALL
<b>OS affected</b>	UNIX
<b>Modified components</b>	Registry.ctl
<b>Risk Analysis</b>	LOW

4. The range for field 346568 was incorrect in the IM7600.dri file

<b>Allchange Reference</b>	DR05590
<b>Helpmaster Reference</b>	
<b>Commands affected</b>	#346
<b>Scale Types affected</b>	IM series
<b>OS affected</b>	ALL
<b>Modified components</b>	IM7600.dri
<b>Risk Analysis</b>	LOW

5. The default expiry date on information labels for MP scales has been changed from 01-01-2010 to a date in the future. i.e. a date that has not already expired ( 01-01-2050 )

<b>Allchange Reference</b>	DR05412
<b>Helpmaster Reference</b>	512977
<b>Commands affected</b>	#612
<b>Scale Types affected</b>	MP series
<b>OS affected</b>	ALL
<b>Modified components</b>	Mp driface files
<b>Risk Analysis</b>	LOW

6. All M series driface files contained a syntax error for #793 (system cash totals) Was SEARCH rather than TOTALSENQUIRE.

<b>Allchange Reference</b>	DR05392
<b>Helpmaster Reference</b>	
<b>Commands affected</b>	#793
<b>Scale Types affected</b>	M Series
<b>OS affected</b>	ALL
<b>Modified components</b>	M series driface files
<b>Risk Analysis</b>	LOW

7. When doing a key enquiry on M series (#125) any unsupported key types now generate an error.

<b>Allchange Reference</b>	DR05330
<b>Helpmaster Reference</b>	510886
<b>Commands affected</b>	#125
<b>Scale Types affected</b>	M series
<b>OS affected</b>	ALL
<b>Modified components</b>	Mos.dll
<b>Risk Analysis</b>	LOW

8. Input.tpl in testset files now contains the correct mapping for weighed and non weighed items. Previously the logic was reversed.

<b>Allchange Reference</b>	DR05229
<b>Helpmaster Reference</b>	
<b>Commands affected</b>	#1
<b>Scale Types affected</b>	ALL
<b>OS affected</b>	ALL
<b>Modified components</b>	Input.tpl
<b>Risk Analysis</b>	LOW



9. A Syntax error in mosp6000.dri for command 352 has been fixed.

352041 Flag    64   1 00 0 1 2 3 ERROR       // logo type

Is now

352041 Flag    64   1 0 0 1 2 3 ERROR       // logo type

<b>Allchange Reference</b>	DR05215
<b>Helpmaster Reference</b>	511403
<b>Commands affected</b>	#352
<b>Scale Types affected</b>	M series p6000
<b>OS affected</b>	ALL
<b>Modified components</b>	mosp6000.dri
<b>Risk Analysis</b>	LOW

10. M series scale character ASCII code 142 was not mapped correctly in the 1252 codepage file.  
142 is now mapped to 175. The character is ž

<b>Allchange Reference</b>	DR04485
<b>Helpmaster Reference</b>	
<b>Commands affected</b>	ALL
<b>Scale Types affected</b>	M Series
<b>OS affected</b>	ALL
<b>Modified components</b>	M series 1252 ch files
<b>Risk Analysis</b>	LOW

## Version 9.9.0.1

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MX100 Version 9.9.0.1 is a full Windows Release.  
It is based on Version 9.8.1.2.

### Modified Components

Component	Notes	Functional Change
Rt_comms.exe	Data maintenance	Yes
Rt_trans.exe	Transaction collection	No
rtstrans.exe	Subtotal receipt version	No
Rt_quit.exe		No
Rt_start.exe		No
Rt_stop.exe		No
Ablogger.exe	Audit server	No
Naudit.dll	Audit client component	No
Nregistry.dll	Registry module	No
Trans.dll	Translation component	No
Recordp.dll	Command processor	No
Mos.dll	M/GM driver	Yes
KeyCodeTrans.dll	Keyboard key code translation DLL for M series driver	No
Sdc603.dll	CX Driver	No
Sdb806.dll	B806 driver	No
Sap500.dll	Sap500 driver	No
Rem_drvr.dll	MP router(not driver)	No
Select.dll		No
Spexec.dll	Mx400 interface	No
Spexecv8.dll	License interface	No
Lic_chk.dll	Corporate license	No
Activate.exe	License interface	No
Driface.dll	Driface file parser	No
Asiwin32.dll	Communications module	yes
Chartrans.dll	Codepage translator	No
Spexecif.dll	Label editor license wrapper	No
WSWA.dll	WSWA Driver	No
WSWAtrans.dll	WSWA transformation dll	No
B806trans.dll	B806 transformation dll	No
Transport.dll	General comms dll	No
Agnus.exe	Label Format converter	No

The above is not a complete list of exe and DLL's in Mx100 but a list of general component groups.

## Changed in 9.9.0.1

This version of mx100 now supports IXe.

The supported commands are PLU update and PLU delete; commands 1 and 5.

The supported fields are shown below

```
#1 1
1006 1 2          // plu number
1051 1 3          // uom
1054 1 4          // group
1055 1 5          // price
1035 1 6          // tax 1
1050 1 7          // price base
1033 1 8          // label format
1034 1 9          // sales message
1038 1 10         // date 1 type
1039 1 11         // date 1 offset
1040 1 12         // date 2 type
1041 1 13         // date 2 offset
1043 1 14         // barcode ref
1060 1 15         // PLU barcode number
1057 1 16         // container ref
1273 1 17         // nominal weight value
1145 1 18         // display text
1240 1 19         // article text line 1    - centered
1241 1 20         // article text line 2    - centered
1260 1 21         // ingredient text line 1 - left
1261 1 22         // ingredient text line 2 - left
1262 1 23         // ingredient text line 3 - left
```

#5 5

**The scale type in network.ctl must be IXP2100. The supported communication types are TCP.**

Version 9.8.2.0

MX100 Version 9.8.2.0 is a full Windows Release.

It is based on Version 9.8.1.2.

### Modified Components

Component	Notes	Functional Change
Rt_comms.exe	Data maintenance	No
Rt_trans.exe	Transaction collection	No
rtstrans.exe	Subtotal receipt version	No
Rt_quit.exe		No
Rt_start.exe		No
Rt_stop.exe		No
Ablogger.exe	Audit server	No
Naudit.dll	Audit client component	No
Nregistry.dll	Registry module	No
Trans.dll	Translation component	No
Recordp.dll	Command processor	No
Mos.dll	M/GM driver	Yes
KeyCodeTrans.dll	Keyboard key code translation DLL for M series driver	No
Sdc603.dll	CX Driver	No
Sdb806.dll	B806 driver	No
Sap500.dll	Sap500 driver	No
Rem_drvr.dll	MP router(not driver)	No
Select.dll		No
Spexec.dll	Mx400 interface	No
Spexecv8.dll	License interface	No
Lic_chk.dll	Corporate license	No
Activate.exe	License interface	No
Driface.dll	Driface file parser	No
Asiwin32.dll	Communications module	No
Chartrans.dll	Codepage translator	No
Spexecif.dll	Label editor license wrapper	No
WSWA.dll	WSWA Driver	Yes
WSWAtrans.dll	WSWA transformation dll	No
B806trans.dll	B806 transformation dll	No
Transport.dll	General comms dll	No
Agnus.exe	Label Format converter	No

The above is not a complete list of exe and DLL's in Mx100 but a list of general component groups.

### Fixed in 9.8.2.0

Transaction collection from IM Phases 7.5 & 7.6 did not work correctly when there were more than 4 items on a receipt. The problem manifested itself as "cmd 61 buffer index problem" in the logs. Transaction collection for Labels & receipts with 4 or fewer item lines was OK.

This problem was caused by the IM 7.5 & 7.6 scales miscalculating the number of transaction lines that can fit in a single communications block. MX100 had correctly calculated that up to 5 transaction lines should fit in a communications block. The scale had incorrectly calculated 4. The discrepancy was the cause of the problem.

The M driver has been changed to always expect 4 transaction lines not 5 for IM7.5 and above.

The previous backward compatibility mechanisms (for receipt transaction collection) is broken for IM7.5 & IM7.6

Anyone using IM7.5 or IM.6 in receipt mode and doing transaction collection must upgrade to MX100 9.8.2.0.

On upgraded MX100 the IM scales must be referenced in network.ctf as IMP7500, IMP7600, IM or ABSCALE

The decision has been made that the IM scale will not be corrected in the future.

Future IM version will be hard coded to always send up to 4 transaction line per communications block – hence matching the mx100 patch.

The decision not to correct the scale means that all future IM versions will need the same MX100 upgrade. To have corrected the scale would mean that existing MX100 versions would work without change – however any one upgrading now, to fix the immediate problem, would then have to upgrade yet again to adopt the future scales – also it uncertainty when such a correction might be available.

<b>Allchange Reference</b>	CR06045
<b>Helpmaster Reference</b>	
<b>Commands affected</b>	Transaction collection
<b>Scale Types affected</b>	IM Phases 7.5 & 7.6
<b>OS affected</b>	All
<b>Modified components</b>	mos.dll
<b>Risk Analysis</b>	LOW

## Version 9.8.1.0

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MX100 Version 9.8.1.0 is a full Windows Release.  
It is based on Version 9.8.0.0.

### Modified Components

Component	Notes	Functional Change
Rt_comms.exe	Data maintenance	Yes
Rt_trans.exe	Transaction collection	No
rtstrans.exe	Subtotal receipt version	No
Rt_quit.exe		No
Rt_start.exe		No
Rt_stop.exe		No
Ablogger.exe	Audit server	No
Naudit.dll	Audit client component	No
Nregistry.dll	Registry module	No
Trans.dll	Translation component	No
Recordp.dll	Command processor	No
Mos.dll	M/GM driver	Yes
KeyCodeTrans.dll	Keyboard key code translation DLL for M series driver	No
Sdc603.dll	CX Driver	No
Sdb806.dll	B806 driver	No
Sap500.dll	Sap500 driver	No
Rem_drvr.dll	MP router(not driver)	No
Select.dll		No
Spexec.dll	Mx400 interface	No
Spexecv8.dll	License interface	Yes
Lic_chk.dll	Corporate license	No
Activate.exe	License interface	No
Driface.dll	Driface file parser	No
Asiwin32.dll	Communications module	No
Chartrans.dll	Codepage translator	No
Spexecif.dll	Label editor license wrapper	No
WSWA.dll	WSWA Driver	Yes
WSWAtrans.dll	WSWA transformation dll	No
B806trans.dll	B806 transformation dll	No
Transport.dll	General comms dll	No
Agnus.exe	Label Format converter	No

The above is not a complete list of exe and DLL's in Mx100 but a list of general component groups.

**Fixed in 9.8.1.0**

1. Field 52041 (Logo type) has been removed from the WSWA interface. It was not in the enquiry command 352 so has been removed for consistency.

<b>Allchange Reference</b>	DR04266
<b>Helpmaster Reference</b>	
<b>Commands affected</b>	#52
<b>Scale Types affected</b>	WSWA All phases
<b>OS affected</b>	All
<b>Modified components</b>	Wswa.dll
<b>Risk Analysis</b>	LOW

2. Dewey codes with parameters could not be sent to M/IM series scales. The problem was found with Dewey code 4.2 (Julian date) but the problem existed with any Dewey code using parameters.

<b>Allchange Reference</b>	DR04330
<b>Helpmaster Reference</b>	
<b>Commands affected</b>	All supporting Dewey codes
<b>Scale Types affected</b>	M/IM series all phases
<b>OS affected</b>	ALL
<b>Modified components</b>	Mos.dll
<b>Risk Analysis</b>	LOW

3. The partial.tpl shipped with mx100 has been modified to include all possible fields for the PLU command.

<b>Allchange Reference</b>	DR04401
<b>Helpmaster Reference</b>	
<b>Commands affected</b>	#1,#8
<b>Scale Types affected</b>	ALL
<b>OS affected</b>	ALL
<b>Modified components</b>	Partial.tpl
<b>Risk Analysis</b>	LOW

4. The operation of text fields on WSWA has been modified. Currently there is inconsistency regarding text fields and whether they are sent with quotes or without quotes. If text contains a comma then the text must be sent with quotes to satisfy the WSWA protocol. The WSWA driver has been modified to automatically check the content of the text fields and apply the quotes as necessary. The transformation types in the templates that specify whether to send text with or without quotes are ignored.

<b>Allchange Reference</b>	DR04404
<b>Helpmaster Reference</b>	
<b>Commands affected</b>	All containing text
<b>Scale Types affected</b>	WSWA (all phases)
<b>OS affected</b>	ALL
<b>Modified components</b>	Wswa.dll
<b>Risk Analysis</b>	LOW

5. The following new currency symbols have been added to the transformation file (moscurrsym.def) for M/IM series scales.

55 - Kenyan shilling  
56 - Romanian lei (new)  
57 - Romanian lei (old)  
58 - Romanian (old or new)

<b>Allchange Reference</b>	DR04428
<b>Helpmaster Reference</b>	
<b>Commands affected</b>	#39
<b>Scale Types affected</b>	M/IM series
<b>OS affected</b>	All
<b>Modified components</b>	Mos.dll
<b>Risk Analysis</b>	LOW

6. The mx100 GUI occasionally incorrectly displayed that there was "X of 0" files to process.

<b>Allchange Reference</b>	DR04574
<b>Helpmaster Reference</b>	
<b>Commands affected</b>	N/A
<b>Scale Types affected</b>	N/A
<b>OS affected</b>	N/A
<b>Modified components</b>	Rt_comms.exe
<b>Risk Analysis</b>	LOW

7. Auto phasing sometimes failed to load the correct codepage after the correct phase was detected. The default codepage for auto phasing has been corrected in driface.def

<b>Allchange Reference</b>	DR04651
<b>Helpmaster Reference</b>	
<b>Commands affected</b>	ALL
<b>Scale Types affected</b>	M/IM series
<b>OS affected</b>	ALL
<b>Modified components</b>	Drivers.def
<b>Risk Analysis</b>	LOW

8. On M series PLU update fields 1801 (Item promotion quantity limit) & 1802 (Weight promotion quantity) were reversed. The equivalent command 8 & 9 fields were OK.

<b>Allchange Reference</b>	DR04654
<b>Helpmaster Reference</b>	
<b>Commands affected</b>	#1
<b>Scale Types affected</b>	M/IM series 7.2 and above
<b>OS affected</b>	ALL
<b>Modified components</b>	Mos.dll
<b>Risk Analysis</b>	LOW



9. The registry.ctl that ships with mx100 now contains the full set of keys that appears in the actual registry.

<b>Allchange Reference</b>	DR04678
<b>Helpmaster Reference</b>	
<b>Commands affected</b>	N/A
<b>Scale Types affected</b>	N/A
<b>OS affected</b>	N/A
<b>Modified components</b>	Registry.ctl
<b>Risk Analysis</b>	LOW

10. The range for field 9658 (promo type) did not allow voucher promotion (value 8).

<b>Allchange Reference</b>	DR04694
<b>Helpmaster Reference</b>	
<b>Commands affected</b>	#9
<b>Scale Types affected</b>	M Series all phases
<b>OS affected</b>	All
<b>Modified components</b>	M
<b>Risk Analysis</b>	LOW

11. This version of mx100 is shipped with a modified license component that allows mx100 to run as a service. Previously, a license violation was always reported when run as a service.

<b>Allchange Reference</b>	DR04710
<b>Helpmaster Reference</b>	
<b>Commands affected</b>	N/A
<b>Scale Types affected</b>	N/A
<b>OS affected</b>	N/A
<b>Modified components</b>	Spexecv8.dll
<b>Risk Analysis</b>	LOW

12. Command 82 on the following phases of M series caused a driface error 287. This was caused by a syntax error in the driface file for these phases.

<b>Allchange Reference</b>	DR04719
<b>Helpmaster Reference</b>	
<b>Commands affected</b>	#82
<b>Scale Types affected</b>	M Series 7.6, 7.5, 7.4, 7.3, 6.4
<b>OS affected</b>	All
<b>Modified components</b>	Driface files
<b>Risk Analysis</b>	LOW

13. On M & IM series scales label formats with negative co-ordinates can now be read back using command 518. Negative co-ordinates can also be sent to the scale using command 18.

<b>Allchange Reference</b>	DR04722
<b>Helpmaster Reference</b>	
<b>Commands affected</b>	#18,#518
<b>Scale Types affected</b>	M / IM Series
<b>OS affected</b>	All
<b>Modified components</b>	M/IM series driface files
<b>Risk Analysis</b>	LOW

14. On M series Phase 7.6 scales programming a non weighed item now results in the price multiple quantity (1058) having a default value of 1 rather than 0.

<b>Allchange Reference</b>	DR04734
<b>Helpmaster Reference</b>	
<b>Commands affected</b>	#1
<b>Scale Types affected</b>	M Series 7.6
<b>OS affected</b>	ALL
<b>Modified components</b>	Mos.dll
<b>Risk Analysis</b>	LOW

## Version 9.8.0.0

MX100 Version 9.8.0.0 is a full Windows Release.  
It is based on Version 9.7.0.0.

### Modified Components

Component	Notes	Functional Change
Rt_comms.exe	Data maintenance	No
Rt_trans.exe	Transaction collection	No
rtstrans.exe	Subtotal receipt version	No
Rt_quit.exe		No
Rt_start.exe		No
Rt_stop.exe		No
Ablogger.exe	Audit server	No
Naudit.dll	Audit client component	No
Nregistry.dll	Registry module	No
Trans.dll	Translation component	No
Recordp.dll	Command processor	No
Mos.dll	M/GM driver	No
KeyCodeTrans.dll	Keyboard key code translation DLL for M series driver	No
Sdc603.dll	CX Driver	No
Sdb806.dll	B806 driver	No
Sap500.dll	Sap500 driver	No
Rem_drvr.dll	MP router(not driver)	No
Select.dll		No
Spexec.dll	Mx400 interface	No
Spexecv8.dll	License interface	No
Lic_chk.dll	Corporate license	No
Activate.exe	License interface	No
Driface.dll	Driface file parser	No
Asiwin32.dll	Communications module	No
Chartrans.dll	Codepage translator	No
Spexecif.dll	Label editor license wrapper	No
WSWA.dll	WSWA Driver	Yes
WSWAtrans.dll	WSWA transformation dll	No
B806trans.dll	B806 transformation dll	No
Transport.dll	General comms dll	No
Agnus.exe	Label Format converter	No

The above is not a complete list of exe and DLL's in Mx100 but a list of general component groups.

**Changed in 9.8.0.0**

1. Mx100 has been modified to support WSWA version 01110.

<b>Allchange Reference</b>	CR04895
<b>Helpmaster Reference</b>	
<b>Commands affected</b>	
<b>Scale Types affected</b>	
<b>OS affected</b>	ALL
<b>Modified components</b>	Drivers.def
<b>Risk Analysis</b>	LOW

2. WSWA version 01110 now contains the standard windows codepages for 1250, 1251, 1252. This means mx100 no longer requires ch files to do codepage translation since none is required for this new phase.

<b>Allchange Reference</b>	CR04896
<b>Helpmaster Reference</b>	
<b>Commands affected</b>	
<b>Scale Types affected</b>	WSWA 01110
<b>OS affected</b>	ALL
<b>Modified components</b>	WSWA.dll
<b>Risk Analysis</b>	LOW

3. Command 19 Stored Text Update has been modified to work in block mode (if required) in the same way as the PLU text. To achieve this field 19040 (Text Line 1) has been increased in size from 100 to 2500 characters. The WSWA software has been modified to apply automatic line wrapping for all text.

<b>Allchange Reference</b>	CR04898
<b>Helpmaster Reference</b>	
<b>Commands affected</b>	#19
<b>Scale Types affected</b>	WSWA 01110
<b>OS affected</b>	ALL
<b>Modified components</b>	WSWA.dll
<b>Risk Analysis</b>	LOW

**Fixed in 9.8.0.0**

4. The mx100 V9.7.0.0 MXREF had an 'out of date' warning on it. This has been removed.

<b>Allchange Reference</b>	DR04664
<b>Helpmaster Reference</b>	
<b>Commands affected</b>	N/A
<b>Scale Types affected</b>	N/A
<b>OS affected</b>	N/A
<b>Modified components</b>	MXREF
<b>Risk Analysis</b>	LOW

5. The mx100 V9.8.0.0 MXREF no longer references Hobart scales

<b>Allchange Reference</b>	DR04686
<b>Helpmaster Reference</b>	
<b>Commands affected</b>	N/A
<b>Scale Types affected</b>	N/A
<b>OS affected</b>	N/A
<b>Modified components</b>	MXREF
<b>Risk Analysis</b>	LOW

**Changed in 9.7.0.0**

1. Mx100 has been modified to support IM versions 7.5 and 7.6.  
Text areas 3, 4 and 5 are now supported from Phase 7.5.
2. Also the following CR's implemented in mx100 9.6 for M Series 7.6 have been applied to IM 7.6.  
CR04535, CR04536, CR04537.

<b>Allchange Reference</b>	CR04596
<b>Helpmaster Reference</b>	
<b>Versions Affected</b>	ALL
<b>Commands affected</b>	
<b>Scale Types affected</b>	IM Series P7.5 & P7.6
<b>OS affected</b>	ALL
<b>Modified components</b>	Mos.dll
<b>Risk Analysis</b>	LOW

**Fixed in 9.7.0.0**

3. The MX100 documentation installation file has been renamed from "MX100 Documentation.exe" to "MX100\_ documentation.exe". This is to fix a problem where the documentation does not install correctly if it is invoked from a folder containing both the mx100.exe and the mx100 documentation.exe files.

<b>Allchange Reference</b>	DR04455
<b>Helpmaster Reference</b>	
<b>Versions Affected</b>	ALL
<b>Commands affected</b>	N/A
<b>Scale Types affected</b>	N/A
<b>OS affected</b>	Windows
<b>Modified components</b>	Mx100 Documentation.exe
<b>Risk Analysis</b>	LOW

4. The Testwrapper.exe utility used to test the driver wrappers has been fixed. It did not work at all in previous versions of mx100.

<b>Allchange Reference</b>	DR04499
<b>Helpmaster Reference</b>	
<b>Versions Affected</b>	9.5
<b>Commands affected</b>	ALL
<b>Scale Types affected</b>	M\IM\WSWA
<b>OS affected</b>	ALL
<b>Modified components</b>	TestWrapper.exe
<b>Risk Analysis</b>	LOW

5. On IM series scales there was a problem sending field 1082 (Label Format type control) to select a nutritional label format. AN incorrect label format was always programmed.

<b>Allchange Reference</b>	DR04509
<b>Helpmaster Reference</b>	
<b>Versions Affected</b>	ALL supporting IM
<b>Commands affected</b>	#1

<b>Scale Types affected</b>	IM Series
<b>OS affected</b>	ALL
<b>Modified components</b>	Mos.dll
<b>Risk Analysis</b>	LOW

6. There was a problem using the scroll assign command (#64) on IM Series scales. Attempting to use the 64-byte array resulted in a spurious range error message - field 64031

<b>Allchange Reference</b>	DR04554
<b>Helpmaster Reference</b>	
<b>Versions Affected</b>	ALL supporting IM
<b>Commands affected</b>	#64
<b>Scale Types affected</b>	IM Series
<b>OS affected</b>	ALL
<b>Modified components</b>	Mos.dll
<b>Risk Analysis</b>	LOW

7. There was a problem with the scroll message command on M2 scales. The ABML font control characters in the scroll messages were passed without conversion resulting in garaged scroll messages being displayed.

<b>Allchange Reference</b>	DR04555
<b>Helpmaster Reference</b>	
<b>Versions Affected</b>	ALL supporting IM
<b>Commands affected</b>	#40
<b>Scale Types affected</b>	M2 Series
<b>OS affected</b>	ALL
<b>Modified components</b>	Mos.dll
<b>Risk Analysis</b>	LOW

8. There was a problem sending the Time Period Update (command 41) on M Series with an ID of 48. A driface range error was always given. Other ID's worked correctly.

<b>Allchange Reference</b>	DR04556
<b>Helpmaster Reference</b>	
<b>Versions Affected</b>	ALL
<b>Commands affected</b>	#41
<b>Scale Types affected</b>	M Series all phases
<b>OS affected</b>	ALL
<b>Modified components</b>	Mos.dll
<b>Risk Analysis</b>	LOW

9. There was a problem on IM series Phase 7.4 scales with field 1345 (Serving size units) Sending a value of 2 (no text) resulted in a driface range error.

<b>Allchange Reference</b>	DR04585
<b>Helpmaster Reference</b>	
<b>Versions Affected</b>	ALL supporting IM
<b>Commands affected</b>	#1
<b>Scale Types affected</b>	IM Series 7.4
<b>OS affected</b>	ALL
<b>Modified components</b>	Mos.dll
<b>Risk Analysis</b>	LOW

10. There was a problem with Pack run totals delete (command 909) on M series scales. Error -1109 was always returned.

<b>Allchange Reference</b>	DR04640
<b>Helpmaster Reference</b>	
<b>Versions Affected</b>	ALL supporting IM
<b>Commands affected</b>	#909 in delete mode
<b>Scale Types affected</b>	IM Series
<b>OS affected</b>	ALL
<b>Modified components</b>	Mos.dll
<b>Risk Analysis</b>	LOW

11. Upon request from a Turkish distributor the Turkish code page translations (\*1254.ch) have been modified because the original conversions resulted in offensive words being generated.

Character 253 was mapped to 130. It is now mapped to 141.

<b>Allchange Reference</b>	DR04647
<b>Helpmaster Reference</b>	
<b>Versions Affected</b>	ALL
<b>Commands affected</b>	ALL
<b>Scale Types affected</b>	ALL
<b>OS affected</b>	ALL
<b>Modified components</b>	1254 Ch files
<b>Risk Analysis</b>	LOW



## Changed in 9.6.0.0

### Version 9.6.0.0

MX100 Version 9.6.0.0 is a full Windows Release.  
It is based on Version 9.5.1.0.

### Modified Components

Component	Notes	Functional Change
Rt_comms.exe	Data maintenance	<b>Yes</b>
Rt_trans.exe	Transaction collection	<b>Yes</b>
rtstrans.exe	Subtotal receipt version	No
Rt_quit.exe		No
Rt_start.exe		No
Rt_stop.exe		No
Ablogger.exe	Audit server	No
Naudit.dll	Audit client component	No
Nregistry.dll	Registry module	No
Trans.dll	Translation component	No
Recordp.dll	Command processor	No
Mos.dll	M/GM driver	<b>Yes</b>
KeyCodeTrans.dll	Keyboard key code translation DLL for M series driver	No
Sdc603.dll	CX Driver	No
Sdb806.dll	B806 driver	No
Sap500.dll	Sap500 driver	No
Rem_drvr.dll	MP router(not driver)	No
Select.dll		No
Spexec.dll	Mx400 interface	No
Spexecv8.dll	License interface	No
Lic_chk.dll	Corporate license	No
Activate.exe	License interface	No
Driface.dll	Driface file parser	No
Asiwin32.dll	Communications module	No
Chartrans.dll	Codepage translator	No
Spexecif.dll	Label editor license wrapper	No
WSWA.dll	WSWA Driver	No
WSWAtrans.dll	WSWA transformation dll	No
B806trans.dll	B806 transformation dll	No
Transport.dll	General comms dll	No
Agnus.exe	Label Format converter	No

The above is not a complete list of exe and DLL's in Mx100 but a list of general component groups.

## Changed in 9.6.0.0

### M series version 7.5.0.0 changes

M series Phase 7.5 supports a "Mix & Match" table defining a new promotion scheme.

1) To implement this the existing "meal deal" tables have been renamed to the following more generic names

New Table Name	Old Table Name
product promotion	meal deal
product promotion group	meal deal group
product promotion item	meal deal item

2) The "Mix & Match" table in the scale has been mapped to the MX100 "Product Promotion" table.

The existing MX100 interface has 3 tables-

Product Promotion	- define the basic promotion
Product Promotion Group	- defines a product group linked to a Product Promotion
Product Promotion Item	- identifies a single product linked to a group

In the Implementation for M7.5 the "Product Promotion group" and "Product Promotion Item" tables have been ignored.

3) The following commands have been implement in the M series driver.

Command	Description	Notes
600	Product Promotion update	New command
700	Product Promotion enquiry	New command
800	Product Promotion delete	New command

MX100 Table	Action	field number	Notes
Product Promotion	Update	600011	Name = "Product Promotion ID "  Type = Numeric Length = 2 Initial value = 1 Range = 1-50  Note: these fields will map to the ID number field in the scale.
	Enquiry	700011 700511	
	Search	900018 900019 900511	
	Delete	800011	
Product Promotion	Update	600032	Name = "Retail Price (product promotion) "  Type = numeric Length = 8 Initial value = 0 Range = 0- 99,999,999
	Enquiry	700532	
	Search	900532	
	Delete	-	
Product Promotion	Update	600033	Name = "Product Promotion Description "  Type = Text Length = 30 (to be truncated by driver) Initial value = empty string
	Enquiry	700533	
	Search	900533	
	Delete	-	
Product Promotion	Update	600035	NEW FIELD  Name = "Item Break Quantity (Product Promotion)"  Type = Numeric Length = 3 Initial value = 1 Range = 1-999
	Enquiry	700535	
	Search	900535	
	Delete	-	
Product Promotion	Update	600036	NEW FIELD  Name = "DEPT/PLU List " Type = string Length = 338 ((20 X 16) + (19 x 1)) Initial value = empty string  This is a comma separated list of DEPT/PLU numbers to be associated with the product promotion.  This is an adaptation of the field used by the WSWA scale in timed promotions. The WSWA does not have the Department number. This cause a slight compatibility issue (see later)  The entries are comma separated. The format of the individual entries is  Dept#:plu#  Where dept# is the m/c department number – up to 2 digits Dept# is optional – if not supplied then driver will use default m/c dept of the scale as defined by the network.cti entry of the master scale through which the commands are routed. PLU# is mandatory – it is up to 13 digits.  e.g. 2:1234,3:4321,6789,1 This example is plu 1234 in dept 2 plu 4321 in department 3 plu 6789 in the default department plu 1 in the default department
	Enquiry	700536	
	Search	900536	
	Delete	-	

5) The transaction data has been modified to include an additional field indicating the active mixNmatch promotion reference. The following new field has been added to commands 61 and 950;

MX100 Table	Action	field number	Notes
Product Promotion	Update	-	Name = "Product Promotion ID "  Type = Numeric Length = 2 Initial value = 0 (note: this is different to field 600011) Range = 0-50  note: the initial value and range of this field is different to that of 600011 – this is because the value zero indicates that no product promotion was triggered.
	Enquiry	-	
	Search	61653 950700	
	Delete	-	

<b>Allchange Reference</b>	CR03534
<b>Helpmaster Reference</b>	
<b>Versions Affected</b>	ALL
<b>Commands affected</b>	#61,#600,#700,#800
<b>Scale Types affected</b>	M Series P7.5
<b>OS affected</b>	ALL
<b>Modified components</b>	Mos.dll
<b>Risk Analysis</b>	LOW

## M series version 7.6.0.0 changes

- The PLU record supports 2 new trading modes:
  - By manual weight: this is a weighed operation whereby the scale operator must manually enter the total weight. The scale prints a "H" character next to the total weight to indicate that the weight was hand entered.
  - By litres: the quantity used to compute the total price is a volume either hand entered by the scale operator or stored in the PLU nominal volume.

The following fields have been affected.

MX100 Table	Action	field number	Notes
Scale PLU	Update	1385	Trading mode → Weighed PLUs (1051 = value 0) 0 = by weight 1 = by fixed price <b>3 = by manual weight (new)</b> → Non weighed PLUs (1051 = value 1) 0 = by count 1 = by fixed weight <b>3 = by litres (new)</b>
		<b>1804</b>	<b>Nominal volume (new)</b>
	Enquiry	8885	Trading mode
		8204	Nominal volume
	Search	9885	Trading mode
		9204	Nominal volume

<b>Allchange Reference</b>	CR04535
<b>Helpmaster Reference</b>	
<b>Versions Affected</b>	ALL
<b>Commands affected</b>	#1,#8,#9
<b>Scale Types affected</b>	M Series
<b>OS affected</b>	ALL
<b>Modified components</b>	Mos.dll
<b>Risk Analysis</b>	LOW

2. The PLU totals command (#12 and #16) have been modified to store the volume traded for *by litres* product types. The volume traded is stored in the existing weight/items fields for these 2 commands; also a new *quantity unit* flag (12741) has been created to indicate whether the quantity stored in the weight/volume fields is either a weight or volume.

MX100 Table	Action	Field number	Notes
PLU totals	Search	12741	<b>Quantity unit</b> <b>0 = weight</b> <b>1 = volume</b>
		12532	Unit of measure 0 = weight 1 = number
		12534	Normal weight/items/ <b>volume</b> (X)
		12536	Override weight/items/ <b>volume</b> (X)
		12539	Normal Weight/Items/ <b>volume</b> ( Z )
		12541	Override Weight/Items/ <b>volume</b> ( Z )
		12548	Pre-pack Weight/Items/ <b>volume</b> ( X )
		12550	Pre-pack Weight/Items/ <b>volume</b> ( Z )
		12566	Return Weight/ <b>volume</b> ( X )
		12579	Return Weight/ <b>volume</b> ( Z )
		12588	Sales Weight/Items/ <b>volume</b> Gross ( X )
		12589	Sales Weight/Items/ <b>volume</b> Gross ( Z )
		12590	Counter Weight/Items/ <b>volume</b> Gross ( X )
		12591	Counter Weight/Items/ <b>volume</b> Gross ( Z )
		12592	Pre-pack Weight/Items/ <b>volume</b> Gross ( X )
		12593	Pre-pack Weight/Items/ <b>volume</b> Gross ( Z )
		12597	Promotion Weight / <b>volume</b> ( X )
		12601	Promotion Weight/ <b>volume</b> ( Z )
		12700	Normal Weight/ <b>volume</b> ( X )
		12702	Override Weight/ <b>volume</b> ( X )
		12704	Normal Weight/ <b>volume</b> ( Z )
		12706	Override Weight/ <b>volume</b> ( Z )
		12708	Pre-pack Weight/ <b>volume</b> ( X )
		12710	Pre-pack Weight/ <b>volume</b> ( Z )
		12724	Sales Weight/ <b>volume</b> (Gross) ( X )
		12726	Sales Weight/ <b>volume</b> (Gross) ( Z )
		12728	Counter Weight/ <b>volume</b> (Gross) ( X )
		12730	Counter Weight/ <b>volume</b> (Gross) ( Z )
		12732	Pre Pack Weight/ <b>volume</b> (Gross) ( X )
		12734	Pre Pack Weight/ <b>volume</b> (Gross) ( Z )

Note: the same applies to command #16 fields.

<b>Allchange Reference</b>	CR04536
<b>Helpmaster Reference</b>	
<b>Versions Affected</b>	ALL
<b>Commands affected</b>	#12,#16
<b>Scale Types affected</b>	M Series
<b>OS affected</b>	ALL
<b>Modified components</b>	Mos.dll
<b>Risk Analysis</b>	LOW

3. The unit of measure flag (61550) of the receipt transaction search command has an additional value that indicates whether the transaction trading mode was by volume. The volume traded is stored in the existing weight/items fields of the receipt transaction command. The following fields have been affected in command #61.

MX100 Table	Action	Field number	Notes
Receipt transaction	Search	61550	0 = by weight 1 = by each 2 = by length <b>3 = by volume</b>
		61549	Transaction quantity: Weight/Items/ <b>Volume</b>
		61594	Free weight/Items/ <b>Volume</b>
		61604	Pack Run Total Weight/ <b>Volume</b>
		61607	Pack Run Total net Weight/ <b>Volume</b>

<b>Allchange Reference</b>	CR04537
<b>Helpmaster Reference</b>	
<b>Versions Affected</b>	ALL
<b>Commands affected</b>	#61
<b>Scale Types affected</b>	M Series
<b>OS affected</b>	ALL
<b>Modified components</b>	Mos.dll
<b>Risk Analysis</b>	LOW

## Version 9.5.1.0

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MX100 Version 9.5.1.0 is a full Windows Release.  
This was based upon Version 9.5.0.0.

The following versions have also been merged into this version.

MX100 V9.0.5.1
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### Modified Components

Component	Notes	Functional Change
Rt_comms.exe	Data maintenance	Yes
Rt_trans.exe	Transaction collection	Yes
rtstrans.exe	Subtotal receipt version	Yes
Rt_quit.exe		No
Rt_start.exe		No
Rt_stop.exe		No
Ablogger.exe	Audit server	No
Naudit.dll	Audit client component	No
Nregistry.dll	Registry module	No
Trans.dll	Translation component	No
Recordp.dll	Command processor	No
Mos.dll	M/GM driver	Yes
KeyCodeTrans.dll	Keyboard key code translation DLL for M series driver	No
Sdc603.dll	CX Driver	No
Sdb806.dll	B806 driver	No
Sap500.dll	Sap500 driver	No
Rem_drvr.dll	MP router(not driver)	No
Select.dll		No
Spexec.dll	Mx400 interface	No
Spexecv8.dll	License interface	Yes
Lic_chk.dll	Corporate license	No
Activate.exe	License interface	No
Driface.dll	Driface file parser	No
Asiwin32.dll	Communications module	No
Chartrans.dll	Codepage translator	No
Spexecif.dll	Label editor license wrapper	No
WSWA.dll	WSWA Driver	No
WSWAtrans.dll	WSWA transformation dll	No
B806trans.dll	B806 transformation dll	No
Transport.dll	General comms dll	No
Agnus.exe	Label Format converter	No

The above is not a complete list of exe and DLL's in Mx100 but a list of general component groups.



**Fixed in 9.5.1.0**

12. It is now possible to program text area 3 on a label format (Command 18) on IM series scales. This is to allow trace panel printing.

<b>Allchange Reference</b>	DR04422
<b>Helpmaster Reference</b>	
<b>Versions Affected</b>	ALL supporting IM
<b>Commands affected</b>	#18
<b>Scale Types affected</b>	IM Series
<b>OS affected</b>	ALL
<b>Modified components</b>	Mos.dll
<b>Risk Analysis</b>	LOW

13. The PLU GTIN Dewey code 6.7 was not supported in the drivers for M/ IM series scales.

<b>Allchange Reference</b>	DR04416
<b>Helpmaster Reference</b>	
<b>Versions Affected</b>	ALL
<b>Commands affected</b>	ALL
<b>Scale Types affected</b>	M/IM Series
<b>OS affected</b>	ALL
<b>Modified components</b>	Dewey translation files
<b>Risk Analysis</b>	LOW

14. The Header & Footer logo selection mechanism in the Machine Parameters command (46) has been modified. Control flags have been added for both (header & footer) to specify whether the logo ID is supplied directly as part of the command (using fields 46076 & 46077) or whether the scale should ignore these and use the default header or footer logo instead.

The new fields are

<b>MX100 Table</b>	<b>Action</b>	<b>field number</b>	<b>Notes</b>
Machine	Update	46300	Name = "Header Logo Source Control "  Type = Flag Length: 1 Initial value = 1  0 = use header logo id (46076) 1 = use default header logo
		46301	Name = "Footer Logo Source Control "  Type = Flag Length: 1 Initial value = 1  0 = use footer logo id (46077) 1 = use default header logo
	Enquiry	346800	Name = "Header Logo Source Control "  Type = Flag Length: 1 Initial value = 1  0 = use header logo id (46076) 1 = use default header logo
		346801	Name = "Footer Logo Source Control "

			Type = Flag Length: 1 Initial value = 1  0 = use footer logo id (46077) 1 = use default header logo
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<b>Allchange Reference</b>	DR04415
<b>Helpmaster Reference</b>	
<b>Versions Affected</b>	ALL
<b>Commands affected</b>	#46, #346
<b>Scale Types affected</b>	M/IM Series
<b>OS affected</b>	ALL
<b>Modified components</b>	Mos.dll
<b>Risk Analysis</b>	LOW

15. On M series scales the assign commands 64 & 71 were broken. A driface range error 287 was given because the assignment field was being incorrectly truncated.

<b>Allchange Reference</b>	DR04414
<b>Helpmaster Reference</b>	
<b>Versions Affected</b>	9.0 and above
<b>Commands affected</b>	#64, #71
<b>Scale Types affected</b>	M/IM Series
<b>OS affected</b>	ALL
<b>Modified components</b>	Mos.dll
<b>Risk Analysis</b>	LOW

16. On M and IM series scales the Trace Totals Command 107 was broken. A driface range error 287 was always given at the end of the command even though the collect.dat was created correctly. This was because the driver was processing a rogue blank record at the end which caused the driface error to be generated. The blank record is now ignored.

<b>Allchange Reference</b>	CR04531
<b>Helpmaster Reference</b>	
<b>Versions Affected</b>	9.0 and above
<b>Commands affected</b>	#107
<b>Scale Types affected</b>	M/IM Series
<b>OS affected</b>	ALL
<b>Modified components</b>	Mos.dll
<b>Risk Analysis</b>	LOW

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### Changed in 9.5.1.0

1. IM 7.4 now supports the programming of the traceability barcode (611038) within the traceability scheme update. (command 611).

<b>Allchange Reference</b>	CR04527
<b>Commands affected</b>	#611, #711
<b>Scale Types affected</b>	IM Phase 7.4
<b>OS affected</b>	ALL
<b>Modified components</b>	Mos.dll

<b>Risk Analysis</b>	Low
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2. In all M and IM driface files the ranges of the command 18 fields have been corrected.

<b>Allchange Reference</b>	CR04510
<b>Commands affected</b>	#18
<b>Scale Types affected</b>	M/IM all Phases
<b>OS affected</b>	ALL
<b>Modified components</b>	Mos.dll
<b>Risk Analysis</b>	Low

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## Version 9.5.0.0

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MX100 Version 9.5.0.0 is a full Windows Release.  
This was based upon Version 9.3.5.0.

The following versions have also been merged into this version.

MX100 V8.19.2.6
MX100 V9.3.5.1

### Modified Components

Component	Notes	Functional Change
Rt_comms.exe	Data maintenance	Yes
Rt_trans.exe	Transaction collection	Yes
rtstrans.exe	Subtotal receipt version	Yes
Rt_quit.exe		No
Rt_start.exe		No
Rt_stop.exe		No
Ablogger.exe	Audit server	No
Naudit.dll	Audit client component	No
Nregistry.dll	Registry module	No
Trans.dll	Translation component	No
Recordp.dll	Command processor	Yes
Mos.dll	M/GM driver	Yes
KeyCodeTrans.dll	Keyboard key code translation DLL for M series driver	No
Sdc603.dll	CX Driver	No
Sdb806.dll	B806 driver	No
Sap500.dll	Sap500 driver	No
Rem_drvr.dll	MP router(not driver)	Yes
Select.dll		Yes
Spexec.dll	Mx400 interface	No
Spexecv8.dll	License interface	No
Lic_chk.dll	Corporate license	Yes
Activate.exe	License interface	Yes
Driface.dll	Driface file parser	No
Asiwin32.dll	Communications module	No
Chartrans.dll	Codepage translator	Yes
Spexecif.dll	Label editor license wrapper	No
WSWA.dll	WSWA Driver	Yes
WSWAtrans.dll	WSWA transformation dll	No
B806trans.dll	B806 transformation dll	No
Transport.dll	General comms dll	No
Agnus.exe	Label Format converter	No

The above is not a complete list of exe and DLL's in Mx100 but a list of general component groups.

## Changed in 9.5.0.0

### M/IM7.4 Changes

Mx100 now supports M and IM at phase 7.4. The differences between this and the support of the previous scale versions are listed below-

1. IM 7.4 now supports the programming of all barcode types previously only supported by M Series.

<b>Allchange Reference</b>	CR04254
<b>Commands affected</b>	#43, 343
<b>Scale Types affected</b>	IM Phase 7.4
<b>OS affected</b>	ALL
<b>Modified components</b>	Mos.dll
<b>Risk Analysis</b>	Low

2. "Sales value on scale total reports" has been added to the network parameters interface for M & IM 7.4. This configuration controls if the sales values are shown on scale totals reports or not. The previous situation and the default for the new configuration is that the values are shown.

<b>Allchange Reference</b>	CR04253
<b>Commands affected</b>	#50, 350
<b>Scale Types affected</b>	M/IM Phase 7.4
<b>OS affected</b>	ALL
<b>Modified components</b>	Mos.dll
<b>Risk Analysis</b>	Low

3. The programming of "time Periods" has been added to the IM7.4 scale. This feature was previously only possible for M Series scale. The implementation for IM is identical to M Series.

<b>Allchange Reference</b>	CR04255
<b>Commands affected</b>	#41, 341, 441
<b>Scale Types affected</b>	M/IM Phase 7.4
<b>OS affected</b>	ALL
<b>Modified components</b>	Mos.dll
<b>Risk Analysis</b>	Low

### M/IM7.3 Changes

Mx100 now supports M and IM at phase 7.3. The differences between this and the support of the previous scale versions are listed below-

1. IM 7.3 now supports the programming of Nutritional Definition and Nutritional Text.

<b>Allchange Reference</b>	CR04126
<b>Commands affected</b>	#605, 705, 805, 606, 706, 806
<b>Scale Types affected</b>	IM Phase 7.3
<b>OS affected</b>	ALL
<b>Modified components</b>	Mos.dll
<b>Risk Analysis</b>	Low

2. "PLU Transaction Lock" has been added to the network parameters interface for M & IM 7.3. Once a PLU is selected with this feature enabled, the scale enforces the need to either complete a transaction or obtain supervisor access to cancel the operation.

<b>Allchange Reference</b>	CR04129
<b>Commands affected</b>	#50, 350
<b>Scale Types affected</b>	M/IM Phase 7.3
<b>OS affected</b>	ALL
<b>Modified components</b>	Mos.dll
<b>Risk Analysis</b>	Low

3. Features previously added for M6.4 have been implemented in M/IM 7.3

<b>Allchange Reference</b>	CR04251
<b>Commands affected</b>	Various – see original 9.3.0.0 section
<b>Scale Types affected</b>	M/IM Phase 7.3
<b>OS affected</b>	ALL
<b>Modified components</b>	Mos.dll
<b>Risk Analysis</b>	Low

## General Changes

1. Rt\_comms.exe has been modified so that if the user chooses to manually shut it down an entry is added to the log file. Previously, when reading the logs it was impossible to determine if rt\_comms had been manually shut down.

<b>Allchange Reference</b>	CR03956
<b>Commands affected</b>	N/A
<b>Scale Types affected</b>	N/A
<b>OS affected</b>	ALL
<b>Modified components</b>	Rt_Comms.exe
<b>Risk Analysis</b>	Low

2. The rt\_trans.def file used by rt\_trans.exe is now expected to be in the folder specified by MXEXE not MXCTL. The location has changed because it is not an editable user file.

<b>Allchange Reference</b>	CR04173
<b>Commands affected</b>	N/A
<b>Scale Types affected</b>	ALL
<b>OS affected</b>	ALL
<b>Modified components</b>	Rt_trans.exe
<b>Risk Analysis</b>	Low

3. The corporate license splash screen is now displayed for 5 seconds rather than 20 seconds.

<b>Allchange Reference</b>	CR04226
<b>Commands affected</b>	N/A
<b>Scale Types affected</b>	ALL
<b>OS affected</b>	ALL
<b>Modified components</b>	Lic_Chk.dll
<b>Risk Analysis</b>	Low

4. Rt\_trans has been modified to give the ability to generate an alternative filename when in multiple file mode from the barcode field 59666.

The filename will be the content of the field 59666 (Ticket Barcode) without leading zeros. This field is only supported by M Series phase 5.001 onwards and IM Series phase 7.0 onwards. For other scale types the filename will be a fixed "0000000000000". (So shouldn't really be sued)

The configuration option TRANSACTION\_FILENAME\_FORMAT in syscfg.ctl has been modified to enable this using the following format.

"TRANSACTION\_FILENAME\_FORMAT = BARCODE"

(Only works in multiple file mode. Supported by limited scale types. Not for use in label mode)

<b>Allchange Reference</b>	CR03855
<b>Commands affected</b>	Rt_trans
<b>Scale Types affected</b>	ALL
<b>OS affected</b>	ALL
<b>Modified components</b>	Rt_trans.exe
<b>Risk Analysis</b>	Low

5. The POSTEXE key in the registry used to specify the command line to generate summary.txt has been modified to include the full path for all of its parameters. Previously, it used relative paths.

<b>Allchange Reference</b>	CR04293
<b>Commands affected</b>	N/A
<b>Scale Types affected</b>	ALL
<b>OS affected</b>	Windows
<b>Modified components</b>	installation
<b>Risk Analysis</b>	Low

6. This version of mx100 now works with V10.4.0.0 of the license component. This version allows standalone mx100 licenses to work in a terminal services environment

<b>Allchange Reference</b>	CR04421
<b>Commands affected</b>	ALL
<b>Scale Types affected</b>	ALL
<b>OS affected</b>	ALL
<b>Modified components</b>	Spexecv8.dll Activate.exe
<b>Risk Analysis</b>	Low

### **WSWA Changes**

Mx100 now supports WSWA phase 01100. The differences between this and the support of the previous scale version are listed below-

Note: WSWA phase 01100 is based upon WSWA phase 01080

1. WSWA 01100 now supports the Cyrillic language. As part of this the host interface is now capable of supporting Windows code-page 1251 for all textual data fields on the WSWA.

<b>Allchange Reference</b>	CR04248
<b>Commands affected</b>	All
<b>Scale Types affected</b>	WSWA Phase 01100
<b>OS affected</b>	ALL
<b>Modified components</b>	WSWA.dll
<b>Risk Analysis</b>	Low



## Fixed in 9.5.0.0

17. On M series scales field 708532 (Keyboard Template Description) was not converted from the scale codepage to that of the PC running mx100.

<b>Allchange Reference</b>	DR03999
<b>Helpmaster Reference</b>	
<b>Versions Affected</b>	ALL supporting command 708
<b>Commands affected</b>	#708
<b>Scale Types affected</b>	M/IM Series
<b>OS affected</b>	ALL
<b>Modified components</b>	Mos.dll
<b>Risk Analysis</b>	LOW

18. On M series commands 8 & 9 (PLU enquiry & search) field 8942/9942 trace scheme reference has been modified so that it is never returned with a value of 0. The default is always 1.

<b>Allchange Reference</b>	DR04152
<b>Helpmaster Reference</b>	
<b>Versions Affected</b>	ALL
<b>Commands affected</b>	#8 #9 #1 (partial operation)
<b>Scale Types affected</b>	M/IM Series
<b>OS affected</b>	ALL
<b>Modified components</b>	Mos.dll
<b>Risk Analysis</b>	LOW

19. The M series driver has been modified so that command 518 now reads back all its default label formats without error.

<b>Allchange Reference</b>	DR04249
<b>Helpmaster Reference</b>	
<b>Versions Affected</b>	ALL
<b>Commands affected</b>	#518
<b>Scale Types affected</b>	M/IM Series
<b>OS affected</b>	ALL
<b>Modified components</b>	Mos.dll
<b>Risk Analysis</b>	LOW

20. MX100 auto-phasing to a phase of M series scale that it was not aware of caused mx100 to crash.

<b>Allchange Reference</b>	DR04286
<b>Helpmaster Reference</b>	
<b>Versions Affected</b>	ALL
<b>Commands affected</b>	ALL
<b>Scale Types affected</b>	M/IM Series
<b>OS affected</b>	ALL
<b>Modified components</b>	Mos.dll
<b>Risk Analysis</b>	LOW

21.

22. On M series scales field 705530 (Nutritional Name) was not converted from the scale codepage to that of the PC running mx100.

<b>Allchange Reference</b>	DR04293
<b>Helpmaster Reference</b>	
<b>Versions Affected</b>	
<b>Commands affected</b>	#706
<b>Scale Types affected</b>	M Series
<b>OS affected</b>	ALL
<b>Modified components</b>	Mos.dll
<b>Risk Analysis</b>	LOW

23. A bug whereby "fixed weight" PLU got marked as a negative PLU in commands 8 & 9 has been fixed. This also affected partial update behaviour causing the PLU to become negative in the updated scale.

<b>Allchange Reference</b>	CR04352
<b>Commands affected</b>	8, 9 & 1 (partial update)
<b>Scale Types affected</b>	M/IM Phase 5.2 & above
<b>OS affected</b>	ALL
<b>Modified components</b>	Mos.dll
<b>Risk Analysis</b>	Low

24. The tare value sent to an MP series scale using command 55 was always out by a factor of 10.

<b>Allchange Reference</b>	DR04168
<b>Helpmaster Reference</b>	
<b>Versions Affected</b>	ALL
<b>Commands affected</b>	#55
<b>Scale Types affected</b>	MP Series
<b>OS affected</b>	ALL
<b>Modified components</b>	Rem_drvr.dll
<b>Risk Analysis</b>	Low

25. The barcode returned from a WSWA using command 8 & 9 was always wrong. EG. A 5 digit article number prefixed with a '0' caused the flag to be shifted to the right by 1 digit. I.e. barcode in WSWA '0201234' is returned as '0021234'.

<b>Allchange Reference</b>	DR04234
<b>Helpmaster Reference</b>	
<b>Versions Affected</b>	8.7E onwards
<b>Commands affected</b>	#8,#9
<b>Scale Types affected</b>	WSWA
<b>OS affected</b>	ALL
<b>Modified components</b>	WSWA.dll
<b>Risk Analysis</b>	Low

26. The WSWA driver has been modified so that if a weight is returned by the scale this is used in preference to the quantity field (usually 1 for non weighed items) to populate field 61549 Transaction Quantity. Previously, the driver used the sales mode flag to determine whether weight or quantity field should be used in this field. The result being that fixed price operations ended up with a value of 1 in this field rather than the actual weight.

<b>Allchange Reference</b>	DR04236
<b>Helpmaster Reference</b>	
<b>Versions Affected</b>	8.7E onwards
<b>Commands affected</b>	#61
<b>Scale Types affected</b>	WSWA
<b>OS affected</b>	ALL
<b>Modified components</b>	WSWA.dll
<b>Risk Analysis</b>	Low

27. There was a problem using the text transformation features in select.ctf with temporary TEXT fields. Eg STRIPFONT etc. If the temporary text fields contained only numerical values (e.g. "111") an error occurred because the field was treated as numeric not text. The entry in the log file for the error was as follows "stripfont failed - variable name not string". These features have been modified so that temporary text fields now accept both text and numeric data without causing errors.

<b>Allchange Reference</b>	DR04244
<b>Helpmaster Reference</b>	
<b>Versions Affected</b>	ALL
<b>Commands affected</b>	N/A
<b>Scale Types affected</b>	ALL
<b>OS affected</b>	ALL
<b>Modified components</b>	select.dll
<b>Risk Analysis</b>	Low

28. The field 731555 (General Reference 1) was mistakenly type NUMERIC in the driface files rather than STRING.

<b>Allchange Reference</b>	DR04298
<b>Helpmaster Reference</b>	
<b>Versions Affected</b>	
<b>Commands affected</b>	#711
<b>Scale Types affected</b>	M/IM Series
<b>OS affected</b>	ALL
<b>Modified components</b>	All M & IM Driface files back to P4000
<b>Risk Analysis</b>	Low

29. The WSWA driver has been modified so that if a delete command fails (because the record did not already exist) an error is no longer given.

<b>Allchange Reference</b>	DR04303
<b>Helpmaster Reference</b>	
<b>Versions Affected</b>	8.7E onwards
<b>Commands affected</b>	All delete commands
<b>Scale Types affected</b>	WSWA
<b>OS affected</b>	ALL
<b>Modified components</b>	WSWA.dll
<b>Risk Analysis</b>	Low

30. The range for field-code 611040 in the WSWA driface files was set incorrectly to 1 to 999 days. It should have been 0 to 999 days.

<b>Allchange Reference</b>	DR04316
<b>Helpmaster Reference</b>	
<b>Versions Affected</b>	8.7E onwards
<b>Commands affected</b>	#611
<b>Scale Types affected</b>	WSWA
<b>OS affected</b>	ALL
<b>Modified components</b>	All WSWA driface files
<b>Risk Analysis</b>	Low

31. When using command 518 on the WSWA if the fixed text stored in the label format has different fonts on each line, the text is returned incorrectly. Two lines of text appear on one line.

<b>Allchange Reference</b>	DR04317
<b>Helpmaster Reference</b>	
<b>Versions Affected</b>	8.7E onwards
<b>Commands affected</b>	#518
<b>Scale Types affected</b>	WSWA
<b>OS affected</b>	ALL
<b>Modified components</b>	WSWA.dll
<b>Risk Analysis</b>	Low

32. The installation has been modified to create a firewall exception for ablogger.

<b>Allchange Reference</b>	DR04274
<b>Helpmaster Reference</b>	
<b>Versions Affected</b>	ALL
<b>Commands affected</b>	N/A
<b>Scale Types affected</b>	N/A
<b>OS affected</b>	N/A
<b>Modified components</b>	Installation
<b>Risk Analysis</b>	Low

33. There was a problem collecting transactions from an M Series scale. Occasionally, the barcode returned was that of the previous transaction.

<b>Allchange Reference</b>	CR04404
<b>Commands affected</b>	#105
<b>Scale Types affected</b>	M Series 6.2 and above
<b>OS affected</b>	ALL
<b>Modified components</b>	Rt_trans
<b>Risk Analysis</b>	Low

34. The M series text handling functions have been improved to handle the situation where text lengths were exceeded in the supplied data.

<b>Allchange Reference</b>	DR04309
<b>Commands affected</b>	ALL Text fields
<b>Scale Types affected</b>	M series
<b>OS affected</b>	ALL
<b>Modified components</b>	Mos.dll
<b>Risk Analysis</b>	Low

## Version 9.3.5.0

MX100 Version 9.3.5.0 is a full Windows Release.  
This was based upon Version 9.3.4.0.

### General Testing Version 9.3.5.0

No general testing has been carried out, only feature specific testing has been carried out.

### Modified Components

Component	Notes	Functional Change
Rt_comms.exe	Data maintenance	No
Rt_trans.exe	Transaction collection	Yes
rtstrans.exe	Subtotal receipt version	No
Rt_quit.exe		No
Rt_start.exe		No
Rt_stop.exe		No
Ablogger.exe	Audit server	No
Naudit.dll	Audit client component	No
Nregistry.dll	Registry module	No
Trans.dll	Translation component	No
Recordp.dll	Command processor	No
Mos.dll	M/GM driver	Yes
KeyCodeTrans.dll	Keyboard key code translation DLL for M series driver	No
Sdc603.dll	CX Driver	No
Sdb806.dll	B806 driver	No
Sap500.dll	Sap500 driver	No
Rem_drvr.dll	MP router(not driver)	No
Select.dll		No
Spexec.dll	Mx400 interface	No
Spexecv8.dll	License interface	No
Lic_chk.dll	Corporate license	No
Activate.exe	License interface	No
Driface.dll	Driface file parser	No
Asiwin32.dll	Communications module	No
Chartrans.dll	Codepage translator	No
Spexecif.dll	Label editor license wrapper	No
WSWA.dll	WSWA Driver	No
WSWAtrans.dll	WSWA transformation dll	No
B806trans.dll	B806 transformation dll	No
Transport.dll	General comms dll	No
Agnus.exe	Label Format converter	No

The above is not a complete list of exe and DLL's in Mx100 but a list of general component groups.

**Fixed in 9.3.5.0**

1. Rt\_trans.exe sometimes crashed at start-up. This was because if a start-up error occurred the licensing system wasn't shut down correctly.

<b>Allchange Reference</b>	DR04162
<b>Helpmaster Reference</b>	
<b>Versions Affected</b>	MX100 versions 9.0.5.0 and above
<b>Commands affected</b>	Transaction collection
<b>Scale Types affected</b>	ALL
<b>OS affected</b>	Windows
<b>Modified components</b>	Rt_trans.exe
<b>Risk Analysis</b>	LOW

2. There was a problem with Command 82 (hourly totals) on an M Series 7.2 scale. This was because of a syntax error in the MOSP7200.dri file.

<b>Allchange Reference</b>	DR04171
<b>Helpmaster Reference</b>	
<b>Versions Affected</b>	MX100 versions 9.2.0.0 and above
<b>Commands affected</b>	#82
<b>Scale Types affected</b>	M Series V7.2
<b>OS affected</b>	Windows
<b>Modified components</b>	Mosp7100.dri & Mosp7200.dri
<b>Risk Analysis</b>	LOW

3. There was a problem sending promotions to M series scales above phase 5.2. The field 1119 (PLU Discount Type Flag) had an incorrect range disallowing value 2 i.e. discount by value. Promotions of this type resulted in a driface range error 287

<b>Allchange Reference</b>	DR04182
<b>Helpmaster Reference</b>	
<b>Versions Affected</b>	MX100 versions 9.2.0.0 and above
<b>Commands affected</b>	#1
<b>Scale Types affected</b>	M Series P5.2 and above
<b>OS affected</b>	Windows
<b>Modified components</b>	All MOS & IM driface files above p5.2
<b>Risk Analysis</b>	LOW

4. There was a problem sending the nutritional panel label format (1341) to M/IM series Phase 7.2 scales. The resultant nutritional panel label format in the scale was always format 0.

<b>Allchange Reference</b>	DR04184
<b>Helpmaster Reference</b>	
<b>Versions Affected</b>	MX100 versions 9.2.0.0 and above
<b>Commands affected</b>	#1
<b>Scale Types affected</b>	M Series P7.2
<b>OS affected</b>	Windows
<b>Modified components</b>	Mos.DLL
<b>Risk Analysis</b>	LOW

5. The MX100 installation script was setting the registry incorrectly for countries that used decimal lbs. e.g. USA & Canada. This resulted in incorrect weight conversions with data sent to the scale.

<b>Allchange Reference</b>	DR04185
<b>Helpmaster Reference</b>	
<b>Versions Affected</b>	MX100 versions 9.0.5.0 and above
<b>Commands affected</b>	All containing weight fields
<b>Scale Types affected</b>	ALL
<b>OS affected</b>	ALL
<b>Modified components</b>	installscript
<b>Risk Analysis</b>	LOW

## Version 9.3.4.0

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MX100 Version 9.3.4.0 is a full Windows Release.  
This was based upon Version 9.3.3.0.

### General Testing Version 9.3.4.0

No general testing has been carried out, only feature specific testing has been carried out.

### Modified Components

Component	Notes	Functional Change
Rt_comms.exe	Data maintenance	No
Rt_trans.exe	Transaction collection	No
rtstrans.exe	Subtotal receipt version	No
Rt_quit.exe		No
Rt_start.exe		No
Rt_stop.exe		No
Ablogger.exe	Audit server	No
Naudit.dll	Audit client component	No
Nregistry.dll	Registry module	No
Trans.dll	Translation component	No
Recordp.dll	Command processor	No
Mos.dll	M/GM driver	No
KeyCodeTrans.dll	Keyboard key code translation DLL for M series driver	No
Sdc603.dll	CX Driver	No
Sdb806.dll	B806 driver	No
Sap500.dll	Sap500 driver	No
Rem_drvr.dll	MP router(not driver)	No
Select.dll		No
Spexec.dll	Mx400 interface	No
Spexecv8.dll	License interface	No
Lic_chk.dll	Corporate license	No
Activate.exe	License interface	No
Driface.dll	Driface file parser	No
Asiwin32.dll	Communications module	No
Chartrans.dll	Codepage translator	No
Spexecif.dll	Label editor license wrapper	No
WSWA.dll	WSWA Driver	Yes
WSWAtrans.dll	WSWA transformation dll	No
B806trans.dll	B806 transformation dll	No
Transport.dll	General comms dll	No
Agnus.exe	Label Format converter	No

The above is not a complete list of exe and DLL's in Mx100 but a list of general component groups.



**Fixed in 9.3.4.0**

6. Under some circumstances the following OCX files (required by the GUI component) failed to install.  
MSCOMCTL.OCX, MSFLXGRD.OCX

<b>Allchange Reference</b>	DR04141
<b>Helpmaster Reference</b>	
<b>Versions Affected</b>	MX100 versions 9.3.2.0
<b>Commands affected</b>	N/A
<b>Scale Types affected</b>	N/A
<b>OS affected</b>	Windows
<b>Modified components</b>	Install script
<b>Risk Analysis</b>	LOW

7. There was a problem doing partial update commands on a WSWA if the target record did not already exist in the scale. This problem was introduced in 9.2.0.0 with DR03839. Therefore this change has been removed and the failure reason codes no longer appear in status.log.

<b>Allchange Reference</b>	DR04139
<b>Helpmaster Reference</b>	
<b>Versions Affected</b>	MX100 versions 9.2.0.0 and above
<b>Commands affected</b>	Partial updates
<b>Scale Types affected</b>	WSWA all phases
<b>OS affected</b>	Windows
<b>Modified components</b>	WSWA.DLL
<b>Risk Analysis</b>	LOW

## **Version 9.3.3.0**

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MX100 Version 9.3.3.0 is a full LINUX Release.  
This was based upon windows release Version 9.3.2.0.

### **General Testing Version 9.3.3.0**

This version has been tested on Slackware Version 12.1 & Ubuntu Version 7.10

For further details refer to Baseline MX100; 9.4.0.0 part docs\testplans\MX100 V9 – Test Specification.doc;

### **Known problems in Version 9.3.3.0**

The following issues were found while testing this version of mx100

Safenet Demo licenses do not work

The following commands are broken

<b>Command</b>	<b>Description</b>
56/356/556	Traceability record update/enquiry /search
518	Label format search
130	Keyboard template search
931	Advance keyboard template search

## Version 9.3.2.0

MX100 Version 9.3.2.0 is a full Windows Release.  
This was based upon Version 9.3.1.0.

### General Testing Version 9.3.2.0

No general testing has been carried out, only feature specific testing has been carried out.

### Modified Components

Component	Notes	Functional Change
Rt_comms.exe	Data maintenance	No
Rt_trans.exe	Transaction collection	No
rtstrans.exe	Subtotal receipt version	No
Rt_quit.exe		No
Rt_start.exe		No
Rt_stop.exe		No
Ablogger.exe	Audit server	No
Naudit.dll	Audit client component	No
Nregistry.dll	Registry module	No
Trans.dll	Translation component	No
Recordp.dll	Command processor	No
Mos.dll	M/GM driver	No
KeyCodeTrans.dll	Keyboard key code translation DLL for M series driver	No
Sdc603.dll	CX Driver	No
Sdb806.dll	B806 driver	No
Sap500.dll	Sap500 driver	No
Rem_drvr.dll	MP router(not driver)	No
Select.dll		No
Spexec.dll	Mx400 interface	No
Spexecv8.dll	License interface	No
Lic_chk.dll	Corporate license	No
Activate.exe	License interface	Yes
Driface.dll	Driface file parser	No
Asiwin32.dll	Communications module	No
Chartrans.dll	Codepage translator	No
Spexecif.dll	Label editor license wrapper	No
WSWA.dll	WSWA Driver	No
WSWAtrans.dll	WSWA transformation dll	No
B806trans.dll	B806 transformation dll	No
Transport.dll	General comms dll	No
Agnus.exe	Label Format converter	No

The above is not a complete list of exe and DLL's in Mx100 but a list of general component groups.

**Fixed in 9.3.2.0**

7. When the location of the license file was changed in 9.2.0.0 a bug was introduced whereby licences could not be correctly activated. This was because the activate component was still writing to the original location. An error message box was always displayed saying "License Activation Failed". This in only a problem with new installations. Upgrades are not affected.

<b>Allchange Reference</b>	DR04119
<b>Helpmaster Reference</b>	
<b>Versions Affected</b>	MX100 versions 9.2.0.0 & 9.3.1.0
<b>Commands affected</b>	N/A
<b>Scale Types affected</b>	N/A
<b>OS affected</b>	Windows
<b>Modified components</b>	Activate.exe
<b>Risk Analysis</b>	LOW
<b>Testing</b>	Licences can now be correctly activated via the activate.exe utility

8. In Mx100 9.0.0.0 a syntax error was introduced into the driface file for M series phase 5.3 scales (mosp5300.dri ).This stopped all communications to scales of that phase. Driface error 287 was always given. The details are below.

443032 Flag      64    1 00 1 2 3 4 ERROR      // Receipt Bar Code Control

Should be

443032 Flag      64    1 0 0 1 2 3 4 ERROR      // Receipt Bar Code Control

<b>Allchange Reference</b>	DR04124
<b>Helpmaster Reference</b>	
<b>Versions Affected</b>	MX100 9.0.0.0 and above
<b>Commands affected</b>	ALL
<b>Scale Types affected</b>	M Series P5300
<b>OS affected</b>	Windows
<b>Modified components</b>	Mosp5300.dri
<b>Risk Analysis</b>	LOW
<b>Testing</b>	Communications to M series Phase 5.3 now works without generating error 287

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**Version 9.3.1.0**

MX100 Version 9.3.1.0 is a full Windows Release.  
This was based upon Version 9.3.0.0.

**General Testing Version 9.3.1.0**

No general testing has been carried out, only feature specific testing has been carried out.

**Modified Components**

<b>Component</b>	<b>Notes</b>	<b>Functional Change</b>
Rt_comms.exe	Data maintenance	No
Rt_trans.exe	Transaction collection	No
rtstrans.exe	Subtotal receipt version	No

Rt_quit.exe		No
Rt_start.exe		No
Rt_stop.exe		No
Ablogger.exe	Audit server	No
Naudit.dll	Audit client component	No
Nregistry.dll	Registry module	No
Trans.dll	Translation component	No
Recordp.dll	Command processor	No
Mos.dll	M/GM driver	No
KeyCodeTrans.dll	Keyboard key code translation DLL for M series driver	No
Sdc603.dll	CX Driver	No
Sdb806.dll	B806 driver	Yes
Sap500.dll	Sap500 driver	No
Rem_drvr.dll	MP router(not driver)	No
Select.dll		No
Spexec.dll	Mx400 interface	No
Spexecv8.dll	License interface	No
Lic_chk.dll	Corporate license	No
Driface.dll	Driface file parser	No
Asiwin32.dll	Communications module	No
Chartrans.dll	Codepage translator	No
Spexecif.dll	Label editor license wrapper	No
WSWA.dll	WSWA Driver	Yes
WSWAtrans.dll	WSWA transformation dll	No
B806trans.dll	B806 transformation dll	No
Transport.dll	General comms dll	No
Agnus.exe	Label Format converter	No

The above is not a complete list of exe and DLL's in Mx100 but a list of general component groups.

**WSWA Phase 1080 Changes**

9. On WSWA phase 1080 the traceability reference text has been increased in length to 96 characters.

<b>MX100 Table</b>	<b>Action</b>	<b>field number</b>	<b>Notes</b>
Network	Update	45031	Name = "Traceability Table Text "  Type = text Length: 96 Initial value = empty  Note: the length is greater than that provided by the scale to allow for ABML font controls etc... The driver will however restrict the total sent to the scale to 64 characters.
	Enquiry	345531	
	Search	545530	
	Delete	-	

<b>Allchange Reference</b>	CR03867
<b>Commands affected</b>	#45,#345,#545
<b>Scale Types affected</b>	WSWA phase 1080
<b>OS affected</b>	Windows
<b>Modified components</b>	wswa.dll
<b>Risk Analysis</b>	Low

10. A new field has been added to the Trace scheme record to control whether trace records of the associated scheme can be edited on the scale.

<b>MX100 Table</b>	<b>Action</b>	<b>field number</b>	<b>Notes</b>
Network	Update	611441	Name = " Traceability Record edit mode"  Type = flag Length = 1 Initial value = 0 Range= 0-1  Enumerations: 0 = enabled 1 = disabled  <b>notes =</b> "This flag indicates if the creation and /or editing of traceability records is enabled on the scale or disabled".
	Enquiry	711941	
	Search	911941	
	Delete	-	

<b>Allchange Reference</b>	CR03788
<b>Commands affected</b>	#611,#711,#911
<b>Scale Types affected</b>	WSWA phase 1080
<b>OS affected</b>	Windows
<b>Modified components</b>	wswa.dll
<b>Risk Analysis</b>	Low

### Changed in 9.3.1.0

11. On the B806 the length of the following traceability text fields have been changed to be consistent with WSWA P1080.

MX100 Table	Action	field number	Notes
Traceability	Update	56041-56051 56190-56194	Name = "Traceability Text "  Type = text Length: 96 Initial value = empty
	Enquiry	356541-356551 356690-356694	
	Search	556541-556551 556690-556694	
	Delete	-	

<b>Allchange Reference</b>	CR03953
<b>Commands affected</b>	#56,#356,#556
<b>Scale Types affected</b>	B806
<b>OS affected</b>	Windows
<b>Modified components</b>	Sdb806.dll
<b>Risk Analysis</b>	Low

12. On WSWA phase 1080 the Trace Table Text field (45031) is now sent to the scale without quotes. This allows 2 extra characters to be sent. (64 characters not 62)

<b>Allchange Reference</b>	CR03924
<b>Commands affected</b>	#45
<b>Scale Types affected</b>	WSWA phase 1080
<b>OS affected</b>	Windows
<b>Modified components</b>	wswa.dll
<b>Risk Analysis</b>	Low

13. The format of the supplied Data Reference guide has changed in this version. After installing the MX100 Documentation the following shortcut invokes the Data Ref Guide.

"All Users\Start Menu\Programs\Avery Berkel\MXREF"

<b>Allchange Reference</b>	DR03989
<b>Commands affected</b>	N/A
<b>Scale Types affected</b>	N/A
<b>OS affected</b>	N/A
<b>Modified components</b>	N/A
<b>Risk Analysis</b>	N/A

## Version 9.3.0.0

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MX100 Version 9.3.0.0 is a full Windows Release.  
This was based upon Version 9.2.0.0.

### General Testing Version 9.3.0.0

No general testing has been carried out, only feature specific testing has been carried out.

### Modified Components

Component	Notes	Functional Change
Rt_comms.exe	Data maintenance	No
Rt_trans.exe	Transaction collection	No
rtstrans.exe	Subtotal receipt version	No
Rt_quit.exe		Yes
Rt_start.exe		Yes
Rt_stop.exe		Yes
Ablogger.exe	Audit server	No
Naudit.dll	Audit client component	No
Nregistry.dll	Registry module	No
Trans.dll	Translation component	No
Recordp.dll	Command processor	No
Mos.dll	M/GM driver	yes
KeyCodeTrans.dll	Keyboard key code translation DLL for M series driver	No
Sdc603.dll	CX Driver	No
Sdb806.dll	B806 driver	No
Sap500.dll	Sap500 driver	No
Rem_drvr.dll	MP router(not driver)	No
Select.dll		No
Spexec.dll	Mx400 interface	No
Spexecv8.dll	License interface	No
Lic_chk.dll	Corporate license	No
Driface.dll	Driface file parser	No
Asiwin32.dll	Communications module	No
Chartrans.dll	Codepage translator	No
Spexecif.dll	Label editor license wrapper	No
WSWA.dll	WSWA Driver	No
WSWAtrans.dll	WSWA transformation dll	No
B806trans.dll	B806 transformation dll	No
Transport.dll	General comms dll	No
Agnus.exe	Label Format converter	No

The above is not a complete list of exe and DLL's in Mx100 but a list of general component groups.



### MP Series 2.5 Changes

1. The scanned barcode is now stored in the trace record on an MP.  
The following fields are affected.

Mx100 Command	Action	Field Number	Notes
Traceability record	Update	56401	Original scanned barcode
	Enquiry	356901	
	Search	556901	
	Delete	-	

<b>Allchange Reference</b>	CR03898
<b>Commands affected</b>	#56,#356,#956
<b>Scale Types affected</b>	MP Series 2.5
<b>OS affected</b>	All
<b>Modified components</b>	MP Driver
<b>Risk Analysis</b>	Low
<b>Testing</b>	

## M Series Phase 6.4 Changes

M Series V6.4 support added. The following functionality has been added.

1. A new command has been added to support the printing of additional labels for joints of meat. It is called PLU Print Data. See below. Refer to Data Reference guide for more details.

MX100 Table	Command
PLU Print Data	Update : 632
	Enquiry: 732
	Search: 932
	Delete: 832

To trigger this functionality the following new key has been added to command 631.

MX100 Key Code	Description
228	Print Data Reference Key

It will make use of the field "general reference 1" to select the "Print Data reference".

<b>Allchange Reference</b>	CR03775
<b>Commands affected</b>	#532,#732,#832,932
<b>Scale Types affected</b>	M Series 6.4
<b>OS affected</b>	Windows
<b>Modified components</b>	Mos.dll
<b>Risk Analysis</b>	Low
<b>Testing</b>	

2. New fields have been added to the system parameters table in the scale-

- a) Promotion Barcode format
- b) Promotion Label Format

If a PLU promotion is triggered and either of these two fields are set (i.e. non zero) then the corresponding label design, barcode format or both (depending on what is set) is used in preference to those defined in the PLU. If these fields are not set or no promotion is triggered then the behavior is as at present.

This applies to label operation only.

The following fields have been added to coammnd 50.

MX100 Table	Action	field number	Notes
Network	Update	50049	Name = "Barcode Format ID (promotional pricing barcode) "  Type = numeric Length: M = 2    IM = 1 Initial value = 0 Range: M = 0-32    IM = 0-9
	Enquiry	350549	
	Search	-	
	Delete	-	
Network	Update	50050	Name = "Print Format ID (promotional pricing label) "  Type = numeric Length = 2 Initial value = 0 Range: M = 0-99    IM = 0-15
	Enquiry	350550	
	Search	-	
	Delete	-	

A new Barcode format specifier '&' has been added to command 43. The new specifier represents the Un-promoted price (this is distinct from the 'P' specifier which represents the final price (which may be the promoted or un-promoted price).

The Dewey code 7.4 has been modified so that it can be embedded within barcode formats. The Dewey code represents the original un-promoted retail barcode (e.g. EAN13) and the change allows this barcode to be embedded into another barcode e.g. CODE128.

<b>Allchange Reference</b>	CR03774
<b>Commands affected</b>	All text fields
<b>Scale Types affected</b>	M Series 7.1 & IM Series 7.1
<b>OS affected</b>	Windows
<b>Modified components</b>	Mos.dll
<b>Risk Analysis</b>	Low
<b>Testing</b>	This operation has been tested on both M and IM with commands 1 & 8

3. The following new key has been added to the M Series 6.4 scale.

<b>MX100 Key Code</b>	<b>Description</b>
227	Quick Price Promo Key

<b>Allchange Reference</b>	CR03773
<b>Commands affected</b>	All text fields
<b>Scale Types affected</b>	M Series 7.1 & IM Series 7.1
<b>OS affected</b>	Windows
<b>Modified components</b>	Mos.dll
<b>Risk Analysis</b>	Low
<b>Testing</b>	This operation has been tested on both M and IM with commands 1 & 8

### Changed in 9.3.0.0

14. The PLU update command has been modified to allow the promotional fields to be sent to the scale even if the main promotional control is turned off. Field 1077

<b>Allchange Reference</b>	CR03865
<b>Commands affected</b>	All text fields
<b>Scale Types affected</b>	M Series > 5.0 & IM Series all phases
<b>OS affected</b>	Windows
<b>Modified components</b>	Mos.dll
<b>Risk Analysis</b>	Low
<b>Testing</b>	

15. When running rt\_trans & rt\_comms at the same time occasionally a message box was displayed saying "FILE NOT FOUND".

<b>Allchange Reference</b>	CR03857
<b>Commands affected</b>	N/A
<b>Scale Types affected</b>	N/A
<b>OS affected</b>	Windows
<b>Modified components</b>	
<b>Risk Analysis</b>	Low
<b>Testing</b>	

## Fixed in 9.3.0.0

16. rt\_stop, rt\_start and rt\_quit were not working in their default mode of operation without the -l option to specify the window name.

<b>Allchange Reference</b>	DR04039
<b>Helpmaster Reference</b>	
<b>Versions Affected</b>	ALL
<b>Commands affected</b>	N/A
<b>Scale Types affected</b>	N/A
<b>OS affected</b>	Windows
<b>Modified components</b>	Rt_stop.exe,rt_start.exe,rt_quit.exe
<b>Risk Analysis</b>	LOW
<b>Testing</b>	

17. Field 518414 label type was missing from of the M series Driface files.

<b>Allchange Reference</b>	DR04034
<b>Helpmaster Reference</b>	
<b>Versions Affected</b>	V9.2.0.0
<b>Commands affected</b>	#518
<b>Scale Types affected</b>	M Series
<b>OS affected</b>	Windows
<b>Modified components</b>	Mos dri files
<b>Risk Analysis</b>	LOW
<b>Testing</b>	

18. Command 46 had incorrect range values for fields 46067 (Key Layout – sales mode) & 46068(Key Layout – manager mode).

<b>Allchange Reference</b>	DR04032
<b>Helpmaster Reference</b>	
<b>Versions Affected</b>	ALL
<b>Commands affected</b>	#46,#346
<b>Scale Types affected</b>	M Series
<b>OS affected</b>	Windows
<b>Modified components</b>	Mos dri files
<b>Risk Analysis</b>	LOW
<b>Testing</b>	

19. Command 350 always caused a driface range error on field 350546 (Customer Numbers Control).

<b>Allchange Reference</b>	DR04031
<b>Helpmaster Reference</b>	
<b>Versions Affected</b>	ALL
<b>Commands affected</b>	#350
<b>Scale Types affected</b>	M/IM series all phases
<b>OS affected</b>	Windows
<b>Modified components</b>	MOS dri files
<b>Risk Analysis</b>	LOW
<b>Testing</b>	

20. There was a problem with command 908 (Keyboard template search) on M series scales. It took a very long time to complete and returned incorrect data. It has been modified so that it returns only the relevant keyboard information which means it is much faster

<b>Allchange Reference</b>	DR03681
<b>Helpmaster Reference</b>	
<b>Versions Affected</b>	ALL
<b>Commands affected</b>	#908
<b>Scale Types affected</b>	M Series
<b>OS affected</b>	Windows
<b>Modified components</b>	Mos.dll
<b>Risk Analysis</b>	LOW
<b>Testing</b>	

## Version 9.2.0.0

MX100 Version 9.2.0.0 is a full Windows Release.  
This was based upon Version 9.0.2.0.

The following versions have also been merged into this version:-

8.17.2.3  
8.19.2.x  
9.0.5.x

### General Testing Version 9.2.0.0

No general testing has been carried out, only feature specific testing has been carried out.

### Modified Components

Component	Notes	Functional Change
Rt_comms.exe	Data maintenance	No
Rt_trans.exe	Transaction collection	No
rtstrans.exe	Subtotal receipt version	No
Rt_quit.exe		Yes
Rt_start.exe		Yes
Rt_stop.exe		Yes
Ablogger.exe	Audit server	No
Naudit.dll	Audit client component	No
Nregistry.dll	Registry module	No
Trans.dll	Translation component	No
Recordp.dll	Command processor	No
Mos.dll	M/GM driver	yes
KeyCodeTrans.dll	Keyboard key code translation DLL for M series driver	No
Sdc603.dll	CX Driver	No
Sdb806.dll	B806 driver	Yes
Sap500.dll	Sap500 driver	No
Rem_drvr.dll	MP router(not driver)	No
Select.dll		No
Spexec.dll	Mx400 interface	No
Spexecv8.dll	License interface	Yes
Lic_chk.dll	Corporate license	yes
Driface.dll	Driface file parser	No
Asiwin32.dll	Communications module	No
Chartrans.dll	Codepage translator	No
Spexecif.dll	Label editor license wrapper	No
WSWA.dll	WSWA Driver	yes
WSWAtrans.dll	WSWA transformation dll	No
B806trans.dll	B806 transformation dll	No
Transport.dll	General comms dll	No
Agnus.exe	Label Format converter	Yes

The above is not a complete list of exe and DLL's in Mx100 but a list of general component groups.

## MP Series 2.4 Changes

2. The Dynamic Keyboard reference has been extended from 4 to 6 digits.  
The following fields are affected.

Mx100 Command	Action	Field Number	Notes
PLU	Update	1195 & 1639	Change to Mx100 driface to allow 6 digits
	Enquiry	8695 & 8439	
	Search	9695 & 9439	
	Delete	-	
Keyboard Template	Update	608011	Change to Mx100 driface to allow 6 digits
	Enquiry	708011 & 708511	
	Search	908018 & 908019 908026 & 908511	
	Delete	808011	

<b>Allchange Reference</b>	DR03316
<b>Commands affected</b>	#1,#8,#9, #608,#708,#808,#908
<b>Scale Types affected</b>	MP Series 2.4
<b>OS affected</b>	All
<b>Modified components</b>	MP Driver
<b>Risk Analysis</b>	Low
<b>Testing</b>	Tested as part of MP 2.4 release

3. The Operator Role field has been extended from 4 to 6 digits to be consistent with the enquiry and search commands. The following field is affected.

Mx100 Command	Action	Field Number	Notes
Operator	Update	32035	Change to Mx100 driface to allow 6 digits to be consistent with enquiry and search commands
	Enquiry		
	Search		
	Delete		

<b>Allchange Reference</b>	DR03573
<b>Commands affected</b>	#32
<b>Scale Types affected</b>	MP Series 2.4
<b>OS affected</b>	All
<b>Modified components</b>	MP Driver
<b>Risk Analysis</b>	Low
<b>Testing</b>	Tested as part of MP 2.4 release

4. The field type of the transaction ID has been modified to be consistent with other scale types.



Mx100 Table	Action	Field Number	Notes
Live Store Search	Update	-	transaction number changed from string to numeric in mx100 output
	Enquire	-	
	Search	59530	
	Delete	-	

<b>Allchange Reference</b>	CR03313
<b>Commands affected</b>	Transaction collection
<b>Scale Types affected</b>	MP Series 2.4
<b>OS affected</b>	All
<b>Modified components</b>	MP Driver
<b>Risk Analysis</b>	Low
<b>Testing</b>	Tested as part of MP 2.4 release

5. The PLU command has been modified to allow proportional tare to be programmed by value. The following new fields have been added.

Mx100 Command	Action	Field Number	Notes
PLU	Update	1125 & 1392	Changed interface to allow proportional tare by value New fields added.
	Enquire	8625 & 8892	
	Search	9625 & 9892	
	Delete	-	

<b>Allchange Reference</b>	CR01440
<b>Commands affected</b>	#1,#8,#9
<b>Scale Types affected</b>	MP Series 2.4
<b>OS affected</b>	All
<b>Modified components</b>	MP Driver
<b>Risk Analysis</b>	Low
<b>Testing</b>	Tested as part of MP 2.4 release

### M/IM Series Phase 7.1 Changes

M/IM Series V7.1 support added. The following functionality has been added.

- The 7.1 versions of the M/IM scales now have the ability to print numbers in both Arabic and Hindi formats. A control can be embedded into text fields to enable and disable the printing in Hindi format. Hindi format being disabled implies Arabic format is used instead.

Here is the new ABML sequence to control Hindi numbering.

Sequence	Meaning
ESC<H>	Hindi numbering ON
ESC<HO>	Hindi number OFF

The MX100 sequence is case insensitive.

<b>Allchange Reference</b>	CR03467
<b>Commands affected</b>	All text fields
<b>Scale Types affected</b>	M Series 7.1 & IM Series 7.1
<b>OS affected</b>	Windows
<b>Modified components</b>	Mos.dll
<b>Risk Analysis</b>	Low
<b>Testing</b>	This operation has been tested on both M and IM with commands 1 & 8

- A new payment type "Rounded Cash" has been added to the payment key record.

A new field "Rounding (On rounded cash)" has been added which defines the type of the rounding to be performed for this payment type.

The following field has been modified

MX100 Table	Action	field number	Notes
Payment Method and Alternative Currency	Update	39035	Name = "Payment Type"  New Enumeration 8 = Rounded Cash
	Enquiry	339535	
	Search	-	
	Delete	-	

The following new field has been added-

MX100 Table	Action	field number	Notes
Payment Method and Alternative Currency	Update	39050	Name = "Rounding (On rounded cash) "  Type = flag Length = 1 Initial value = 0  Enumerations -> 0 = Rounding By 5 1 = Rounding By 10 2 = Rounding By 25 3 = Rounding By 50 4 = Rounding By 100

<b>Allchange Reference</b>	CR03468
<b>Commands affected</b>	#39, #339
<b>Scale Types affected</b>	M Series 7.1
<b>OS affected</b>	Windows
<b>Modified components</b>	Mos.dll
<b>Risk Analysis</b>	Low
<b>Testing</b>	The new fields have been sent to and received from the scale. The fields have also been checked on the scale.

6. The Pack run records have been modified to allow the date information in the PLU being "packed" to be used instead of those defined in the pack-run itself. This applies to both date 1 & date 2.

The following field has been modified

<b>MX100 Table</b>	<b>Action</b>	<b>field number</b>	<b>Notes</b>
Pack Run	Update	603042	Name = "Date Print Control (1) "  New Enumeration 5 = PLU
	Enquiry	603542	
	Search	-	
	Delete	-	
Pack Run	Update	603054	Name = "Date Print Control (2) "  New Enumeration 5 = PLU
	Enquiry	603554	
	Search	-	
	Delete	-	

<b>Allchange Reference</b>	CR03469
<b>Commands affected</b>	#603, #703, #903
<b>Scale Types affected</b>	M Series 7.1
<b>OS affected</b>	Windows
<b>Modified components</b>	Mos.dll
<b>Risk Analysis</b>	Low
<b>Testing</b>	This has been tested using commands 603 & 703. The value has also been checked on the scale

7. The following new field has been added to the machine parameters record of the scale-

Label Taken Message

The following new field has been added to mx100-

<b>MX100 Table</b>	<b>Action</b>	<b>field number</b>	<b>Notes</b>
Machine	Update	46254	Name = "Label Taken Message Flag"  Type = flag Length = 1 Initial Value = 0  Enumerations-  0 = enabled 1 = disabled  Note: these enumerations are the reverse of the scale values.
	Enquiry	346754	
	Search	-	
	Delete	-	

			NOT SUPPORTED ON IM
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<b>Allchange Reference</b>	CR03470
<b>Commands affected</b>	#46,#346
<b>Scale Types affected</b>	M Series 7.1
<b>OS affected</b>	Windows
<b>Modified components</b>	Mos.dll
<b>Risk Analysis</b>	Low
<b>Testing</b>	This has been tested using commands 46 & 346. The value has also been checked on the scale

8. The following new fields have been added to improve nutritional support for each of the following scale types. M from 7.1 and IM all phases-

MX100 Table	Action	field number	Notes
Scale PLU	Update	1701-1750	Name = "Nutritional serving keyword control (1-50)"  Type = flag Length = 1 Initial Value = 0  Enumerations-  0 = Use serving Value 1 = use string "less than" 2 = use symbol "<" 3 = use string "trace" 4 = use string "nil"
	Enquiry	8301-8350	
	Search	9301-9350	
	Delete	-	
Scale PLU	Update	1751-1800	Name = "Nutritional standard measure keyword control (1-50)"  Type = flag Length = 1 Initial Value = 0  Enumerations-  0 = Use Standard Measure Value 1 = use string "less than" 2 = use symbol "<" 3 = use string "trace" 4 = use string "nil"
	Enquiry	8251-8300	
	Search	9251-9300	
	Delete	-	

<b>Allchange Reference</b>	CR03426
<b>Commands affected</b>	#1,#8,#9
<b>Scale Types affected</b>	M Series P7000 and above IM Series all phases
<b>OS affected</b>	Windows
<b>Modified components</b>	Mos.dll
<b>Risk Analysis</b>	Low
<b>Testing</b>	Tested using commands 1 & 8. Also tested by printing PLU list on the scale. Tested on both M & IM P7.1. Older phases not tested.

## M/IM Series Phase 7.2 Changes

MX100 9.2 now supports M & IM series Phase 7.2. The individual changes are described below.

1. A mechanism has been added to the scale whereby an operator can be automatically logged off after a specified period of inactivity.

To control this mechanism a "System Set-up Operator Auto Log Off Timeout" field has been added to the system parameters tables of the scale.

Its definition is-

**0 = Disabled (default)**

**1 – 60 = Timeout in minutes**

A "Report Header" text has been added that defines the header message to be printed on scale based Grand Totals reports.

This field will be a normal scale text field of up to 200 characters + a null in length. It will be capable of handling fonts & carriage returns etc...

MX100 Table	Action	field number	Name
Network parameters	Update	50047	Operator Inactivity Timeout
	Enquiry	350547	
	Search	-	
	Delete	-	
Network Parameters	Update	50048	Scale Report Header
	Enquiry	350548	
	Search	-	
	Delete	-	

<b>Allchange Reference</b>	CR03629
<b>Commands affected</b>	50, #350
<b>Scale Types affected</b>	IM/M series 7.2
<b>OS affected</b>	Windows
<b>Modified components</b>	Mos.dll
<b>Risk Analysis</b>	Low
<b>Testing</b>	These changes have been tested by sending the data to and from the scale and also checking the data on the appropriate menu on the scale. A scale report was printed off to confirm that the modified report header was in use

2. A new Dewey code has been added for traceability-

%%+2.28%%

When used within barcodes that can embed dewey codes it causes the product GTIN value to be printed with an AI(02) prefix. It can be used in any text field but only the GTIN will be printed (Without the AI)

<b>Allchange Reference</b>	CR03657
<b>Commands affected</b>	Any command with text field command
<b>Scale Types affected</b>	IM/M series 7.2
<b>OS affected</b>	Windows
<b>Modified components</b>	Mos.dll
<b>Risk Analysis</b>	Low
<b>Testing</b>	The above dewey code has been sent to an M series 7.2 scale and read back.

3. A new field has been added to the machine parameters command. Refer to the data Reference Guide for more detail.-

<b>MX100 Table</b>	<b>Action</b>	<b>field number</b>	<b>Notes</b>
Machine	Update	46257	Tear Bar Fitted Flag
	Enquiry	346757	
	Search	-	
	Delete	-	

<b>Allchange Reference</b>	CR03540
<b>Commands affected</b>	50,#350
<b>Scale Types affected</b>	IM/M series 7.2
<b>OS affected</b>	Windows
<b>Modified components</b>	Mos.dll
<b>Risk Analysis</b>	Low
<b>Testing</b>	This change has been tested by sending the data to and from the scale and also checking the data on the appropriate menu on the scale.

4. Commands 124,125,126 & 130 have been superseded with new simplified commands using general purpose fields rather than context specific fields.

These changes will initially only be made to all phases of GM/M/IM scale drivers and WSWA.

The new commands are shown below. Refer to the Data Reference Guide for further details.

New command	Equivalent old command	description
631	124	Advanced Key update
731	125	Advanced Key enquiry
831	126	Advanced Key delete
931	130	Advanced Key search

#### Modified MX100 Keys

The following existing keys have been modified in the new key programming commands-

- ◆ department key (MX100 code 301)
- ◆ non-add key (MX100 code 134)
- ◆ rewrap key (MX100 code 132)

A new general control flag has also been added to control these modified keys for the new commands. On the scale there are multiple department, non-add and rewrap keys. The control flag dictates which one of each key type will be programmed on the scale.

MX100 Table	Action	field number	Notes
Key	Update	631062	Name = "general control flag"  Type = flag Length = 1 Initial value = 0 Range = 0-2  Key code 301 Enumerations- 0 = temporary / one shot change or operation 1 = permanent change  Key code 134 Enumerations- 0 = temporary / one shot change or operation 1 = permanent change  Key code 132 Enumerations- 0 = change date 1 , date 2 and price 1 = change date 1 only 2 = change date 2 only  Description = "A General purpose control field used for key programming. The meaning of this control field depends on the key with which it associated"
	Enquiry	731562	
	Search	931562	
	Delete		

## New MX100 Keys

The following new key code has been added to the new key programming commands for M 7.2 and IM 7.2. This is not supported in the original commands-

MX100 Key Code	Description
226	Pack-run Quick Update Key

**Modified** Search Command 931

For 5.2 scales and above the search command 931 has been modified so that the keyboard type (931029) need no longer be supplied. The driver now automatically detects which keyboard types are connected to the target scale and returns the appropriate keyboard information. The field is still required for older scale types. If the field is supplied for newer phases it is ignored

<b>Allchange Reference</b>	CR03536
<b>Commands affected</b>	#631,#731,#831,#931
<b>Scale Types affected</b>	IM/M series 7.2
<b>OS affected</b>	Windows
<b>Modified components</b>	Mos.dll
<b>Risk Analysis</b>	Low
<b>Testing</b>	<p>A set of test scripts have been written that test all the new key combinations in M &amp; IM 7.2. The new 931 search command has been tested on M &amp; IM with 2 TK keyboards fitted.</p> <p>The test scripts have been tested on a P4.1 M. The same changes have been applied to all the other phases of M. THESE HAVE NOT BEEN TESTED</p>

5. The 7.2 versions of the scales now have the ability to set limits on promotions (either quantity or number of transactions).

The PLU commands have been changed to include 3 additional fields. Refer to the data Reference Guide for more detail.-

MX100 Table	Action	field number	Notes
Scale PLU	Update	1801	Item Promotion Quantity Limit
	Enquiry	8201	
	Search	9201	
	Delete		
Scale PLU	Update	1802	Weight Promotion Quantity Limit
	Enquiry	8202	
	Search	9202	
	Delete		
Scale PLU	Update	1803	Promotion transaction Limit
	Enquiry	8203	
	Search	9203	
	Delete		



The PLU Totals command has been changed to include 1 additional field. Refer to the data Reference Guide for more detail.-

MX100 Table	Action	field number	Notes
PLU Totals	Search	12740	Promotion transaction Count
	Search and Clear	16740	

NOTE: This feature should only be used with basic by weight & by count trading modes. Its operation is unpredictable for fixed price operation.

<b>Allchange Reference</b>	CR03535
<b>Commands affected</b>	#1,#8,#9,#12,#16
<b>Scale Types affected</b>	IM/M series 7.2
<b>OS affected</b>	Windows
<b>Modified components</b>	Mos.dll
<b>Risk Analysis</b>	Low
<b>Testing</b>	These changes have been tested by sending the data to and from the scale and also checking the data on the appropriate menu on the scale. The operation of these fields on the scale has not been tested. The PLU totals contained the correct Prom trans count for the traded promo PLUs

6. The first versions of the IM scale were restricted in the numbers of logos that they could support. Originally it was just 2. IM 7.2 scales now support 6 logos.  
The following fields are affected.

MX100 Table	Action	field number	Notes
PLU	Update	1135	Logo ID (1) Range = 0-5
	Enquiry	8635	
	Search	9635	
	Delete	-	
Logo	Update	52010	Logo ID Range = 0-5
	Enquiry	352010 352510	
	Search	-	
	Delete	452010	
Machine	Update	46076	Logo ID (machine header) Range = 0-5
	Enquiry	346576	
	Search	-	
	Delete	-	
Machine	Update	46077	Logo ID (machine footer) Range = 0-5
	Enquiry	346577	
	Search	-	
	Delete	-	

<b>Allchange Reference</b>	CR03625
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<b>Commands affected</b>	#1,#8,#9,#50,#350,#46,#346,#52,#352,#452
<b>Scale Types affected</b>	IM/M series 7.2
<b>OS affected</b>	Windows
<b>Modified components</b>	Mos.dll
<b>Risk Analysis</b>	Low
<b>Testing</b>	Since this is only a range change no test is required.

## Changed in Version 9.2.0.0

1. This version of mx100 now expects the license files (lserverc & lshost) to be in a different location.

It used to be C:\Program Files\ Avery Berkel\Licenses. It is now:-

For XP/2000/2003 server

C:\Documents and Settings\All Users\Application Data\Avery Berkel\Licenses

For Vista

C:\ProgramData\Avery Berkel\Licenses

This change was made for Vista compliance.

The Mx100 installation will merge the existing lserverc file (if it exists) into the new location.

<b>Allchange Reference</b>	CR03763
<b>Commands affected</b>	N/A
<b>Scale Types affected</b>	N/A
<b>OS affected</b>	Windows
<b>Modified components</b>	Spexecv8.dll
<b>Risk Analysis</b>	Low
<b>Testing</b>	The mx100 installation has been tested with all combinations of license arrangement to ensure that the correctly populated lserverc file is copied into the new location.

2. The version of spexecv8 distributed with this version of mx100 uses Safenet RMS V8.1.1. This version fixes a bug whereby the licensing did not work if the "MyDocuments" folder was mapped to a network drive. Safenet error 0xc8001007(-939519994) was given.

<b>Allchange Reference</b>	CR03817
<b>Commands affected</b>	N/A
<b>Scale Types affected</b>	N/A
<b>OS affected</b>	Windows
<b>Modified components</b>	Spexecv8.dll
<b>Risk Analysis</b>	Low
<b>Testing</b>	A machine that gave the problem with the v8.10 version of slmdemo works with the V8.1.1 version of slmdemo. It is assumed therefore that linking our apps with the new 8.1.1 libraries will fix this problem for spexec.

7. When programming label formats on M Series scales the driver has been modified to return error 425 "**Field co-ordinates out of range**" if the field co-ordinates are invalid. Previously, no error was given and the invalid co-ordinates were sent to the scale resulting in a label format that did not print correctly.

<b>Allchange Reference</b>	CR03561
<b>Commands affected</b>	#18,#518
<b>Scale Types affected</b>	M series all phases
<b>OS affected</b>	Windows
<b>Modified components</b>	Mos.dll
<b>Risk Analysis</b>	Low
<b>Testing</b>	Invalid field co-ordinates now result in error 425 appearing in the status.log file and the format is no longer sent to the scale

8. The corporate license mechanism has been modified so that only the first 2 parts of the version string are checked. Previously, the first 3 were checked. E.g. For version 9.2.0.0 only the 9.2 is now checked.

<b>Allchange Reference</b>	CR03567
<b>Commands affected</b>	N/A
<b>Scale Types affected</b>	N/A
<b>OS affected</b>	Windows
<b>Modified components</b>	Spexecv8.dll
<b>Risk Analysis</b>	Low
<b>Testing</b>	Any 9.2 generated license string will now work; The test was done with a 9.2.1.0 license. This worked with 9.2.0.0.

9. Mx100 now ships with the standard and the binary versions of newerrors.xml. ie newerrors.xml & newerrors.xml.bin. This is primarily for UNIX but for consistency has been added to the windows installation as well.

<b>Allchange Reference</b>	CR03627
<b>Commands affected</b>	N/A
<b>Scale Types affected</b>	N/A
<b>OS affected</b>	Windows/UNIX
<b>Modified components</b>	Spexecv8.dll
<b>Risk Analysis</b>	Low
<b>Testing</b>	A windows installation now results in the bin version of newerrors.xml being installed.

10. The flag in the WSWA scheme table to disable/enable the trace prompt screen was being driven by the wrong mx100 field. Passport prompt flag (fieldcode 611053). A new fieldcode 611440 has been created to control this flag. The original field (passport prompt flag) has a different meaning on other scale types.

<b>Allchange Reference</b>	CR03856
<b>Commands affected</b>	#611,#711,#911
<b>Scale Types affected</b>	WSWA 1050,1060,1070
<b>OS affected</b>	Windows
<b>Modified components</b>	Install script
<b>Risk Analysis</b>	Low
<b>Testing</b>	The generated Driface files now have the new field code. The WSWA test scripts have been to send the new field to a 1073 WSWA. The flag in the create/edit screen on the WSWA was correct and the returned value in commands 711 *& 911 was correct in the collect.dat file. The logic of the flag between the mx100 field and the WSWA is reversed.

11. Support for the following fields has been removed from Mx100 for IM Series scales. IM has never supported these fields.

Field	Description
46100	display logo
346600	display logo

<b>Allchange Reference</b>	CR03628
<b>Commands affected</b>	#46,#346
<b>Scale Types affected</b>	IM series
<b>OS affected</b>	Windows
<b>Modified components</b>	mos.dll
<b>Risk Analysis</b>	Low
<b>Testing</b>	There is nothing to test here.

12. Support for the following fields has been added to Command 18 & 518 for M series scales.

Previously, the M series driver used the left & right margins values to determine if the stationary was continuous or gapped label. This flag is populated with the XML tag value **"STATIONERY/@continuous"**. This flag has always been in the label designs but previously it was ignored.

Field	Description	Range
18414	Label Type	0-1 0 = continuous paper 1 = label
518414	Label Type	0-1 0 = continuous paper 1 = label

<b>Allchange Reference</b>	CR03652
<b>Commands affected</b>	#18,#518
<b>Scale Types affected</b>	M series
<b>OS affected</b>	Windows
<b>Modified components</b>	mos.dll
<b>Risk Analysis</b>	Low
<b>Testing</b>	This flag has been tested with MX400 V5.0 and the label designer.

13. The M series driver has modified the returned transaction data for frequent shopper % disc total price promotions. The Free Value field 61593 is now returned as 0 for promotional transactions of this type. Previously, this field contained the frequent shopper promo saving which was incorrect. This makes M series operation consistent with other scale types.

<b>Allchange Reference</b>	CR03684
<b>Commands affected</b>	Transaction collection
<b>Scale Types affected</b>	M series P500 and above (phases supporting this promo type)
<b>OS affected</b>	Windows
<b>Modified components</b>	Mos.dll
<b>Risk Analysis</b>	Low
<b>Testing</b>	This field now always contains 0 for Frequent shopper % disc total price promotions

14. The MX100 silent install has been modified so that it now always installs the system files. Previously a silent install did not install these items it was up to the calling application to install the system files.

<b>Allchange Reference</b>	CR03725
<b>Commands affected</b>	N/A
<b>Scale Types affected</b>	N/A
<b>OS affected</b>	Windows
<b>Modified components</b>	Installshield script
<b>Risk Analysis</b>	Low
<b>Testing</b>	No testing required for mx100.

15. The MX100 corporate license splash screen has been changed to use more up to date Avery Berkel Logos

<b>Allchange Reference</b>	CR03376
<b>Commands affected</b>	N/A
<b>Scale Types affected</b>	N/A
<b>OS affected</b>	Windows
<b>Modified components</b>	Spexecv8.dll
<b>Risk Analysis</b>	Low
<b>Testing</b>	The new logos are displayed correctly

16. A new driver wrapper dll has been added to support IM series scales. The interface details are identical to the M & WSWA wrapper DLL's. It is called IMSeriesWrapper.DLL

<b>Allchange Reference</b>	CR03744
<b>Commands affected</b>	ALL IM commands
<b>Scale Types affected</b>	IM Series
<b>OS affected</b>	Windows
<b>Modified components</b>	Installshield script
<b>Risk Analysis</b>	Low
<b>Testing</b>	This has been tested with the testwrapper.exe utility.

17. The mx100 installation screen now displays the exact version being installed. Eg MX100 9.2.0.0. Previously MX100\_V9 was always displayed.

<b>Allchange Reference</b>	CR03696
<b>Commands affected</b>	N/A
<b>Scale Types affected</b>	N/A
<b>OS affected</b>	Windows
<b>Modified components</b>	Installshield script
<b>Risk Analysis</b>	Low
<b>Testing</b>	No testing required.

18. The mx100 installation now creates a new environment variable called MX100\_REGCTL to specify the path where the registry.ctl file is located. The default path is the selected target installation directory. E.g. c:\mx100.  
Previously, this environment variable had to be created manually. It was called AWTX\_MX100.

<b>Allchange Reference</b>	CR02540
<b>Commands affected</b>	N/A
<b>Scale Types affected</b>	N/A
<b>OS affected</b>	Windows
<b>Modified components</b>	Install script
<b>Risk Analysis</b>	Low
<b>Testing</b>	After installation the environment variable exists and points to the correct directory.

19. The trading mode operation in command 8 & 9 on M series has been modified so that it matches the changes done to command 1 in V 9.0.0.0. Refer to DR03293 in V9.0.0.0 release notes for more information.

<b>Allchange Reference</b>	CR03188
<b>Commands affected</b>	#8, #9
<b>Scale Types affected</b>	M series
<b>OS affected</b>	All
<b>Modified components</b>	Mos.dll
<b>Risk Analysis</b>	Low
<b>Testing</b>	The trading mode configuration programmed in command 1 is now successfully read back using command 8

20. For situations where multiple instances of `rt_comms` and `rt_trans` are required to be run in parallel the following functionality has been added to `rt_quit`, `rt_start` and `rt_stop`.

Each has been modified to support the `-l` option to specify the window name to control. It works in an identical manner to `rt_comms` and `rt_trans`. This new functionality gives a parent application the ability to fully control the interaction between multiple instances of `rt_trans` and `rt_comms` by starting & stopping `rt_trans` by window name as required.

Each instance of `rt_comms` and `rt_trans` must be invoked with a unique window name by which it can then be referenced.

e.g.	<code>rt_comms -l store1</code>	start <code>rt_comms</code> with window name of store1
	<code>rt_comms -l store2</code>	start <code>rt_comms</code> with window name of store2
	<code>rt_trans -l store1</code>	start <code>rt_trans</code> with window name of store1
	<code>rt_trans -l store2</code>	start <code>rt_trans</code> with window name of store2
	<code>rt_stop -l rt_trans1</code>	pause <code>rt_trans</code> with window name of store1
	<code>rt_start -l rt_trans1</code>	start <code>rt_trans</code> with window name of store1
	<code>rt_quit -l rt_trans1</code>	stop <code>rt_trans</code> with window name of store1
	<code>rt_quit -l rt_trans2</code>	stop <code>rt_trans</code> with window name of store2

When using this new functionality it is important that all instances of `rt_comms` & `rt_trans` use the `-l` option and that the names specified are not the default window names of `rt_comms` & `rt_trans`.

The reason for this is that the default behaviour of `rt_comms` when invoked without the `-l` option is to check to see if `rt_trans` is running and to pause it before it starts.

<b>Allchange Reference</b>	CR03277
<b>Commands affected</b>	
<b>Scale Types affected</b>	N/A
<b>OS affected</b>	Windows
<b>Modified components</b>	<code>rt_start.exe</code> <code>rt_stop.exe</code> <code>rt_quit.exe</code>
<b>Risk Analysis</b>	Low
<b>Testing</b>	The scenario above has been tested. <code>rt_stop</code> , <code>rt_start</code> and <code>rt_start</code> when invoked with the <code>-l</code> option all work as expected.



21. A non-traceable PLU was always sent to an M series scale with the trace scheme reference field set as 0. When that PLU was read back using the partial update operation a Driface range error was given because the range was actually 1-9. Command 1 has been changed so that the trace scheme reference is always sent as 1 for non traceable PLU's.

<b>Allchange Reference</b>	CR03870
<b>Commands affected</b>	#1
<b>Scale Types affected</b>	M series All phases
<b>OS affected</b>	All
<b>Modified components</b>	Mos.dll
<b>Risk Analysis</b>	Low
<b>Testing</b>	A non traceable PLU is now always sent with a trace scheme ref of 1. When read back using Command 8 a Driface error is no longer given.

### Fixed in Version 9.2.0.0

21. On M Series command 909 (pack run totals) always returned an invalid Pack run reference. This was because of a normalisation (byte ordering) problem with this field resulting in a large number being returned (909530).

<b>Allchange Reference</b>	DR03928
<b>Helpmaster Reference</b>	
<b>Versions Affected</b>	ALL
<b>Commands affected</b>	#909
<b>Scale Types affected</b>	M series
<b>OS affected</b>	Windows
<b>Modified components</b>	Mos.dll
<b>Risk Analysis</b>	LOW
<b>Testing</b>	The returned pack run reference is now the correct value

22. There was a problem with the field co-ordinate conversions when uploading 180 degree label formats with Command 518.

<b>Allchange Reference</b>	DR03921
<b>Helpmaster Reference</b>	
<b>Versions Affected</b>	ALL
<b>Commands affected</b>	#518
<b>Scale Types affected</b>	M series
<b>OS affected</b>	Windows
<b>Modified components</b>	Mos.dll
<b>Risk Analysis</b>	LOW
<b>Testing</b>	The field co-ordinates are now returned correctly

23. MX100 failed to setup the codepage correctly in the registry when UAE was selected as the country.

<b>Allchange Reference</b>	DR03918/DR03919
<b>Helpmaster Reference</b>	
<b>Versions Affected</b>	ALL

<b>Commands affected</b>	N/A
<b>Scale Types affected</b>	N/A
<b>OS affected</b>	Windows
<b>Modified components</b>	Installshield script
<b>Risk Analysis</b>	LOW
<b>Testing</b>	Selecting UAE now correctly sets up the registry

24. There was a problem with command 12/16 on a GM Series scale. Driface error 287 was always given because some fields were missing from the GM driface files

<b>Allchange Reference</b>	DR03875
<b>Helpmaster Reference</b>	
<b>Versions Affected</b>	unknown
<b>Commands affected</b>	#12,#16
<b>Scale Types affected</b>	GM series all phases
<b>OS affected</b>	Windows
<b>Modified components</b>	All gm driface files
<b>Risk Analysis</b>	LOW
<b>Testing</b>	Commands 12 & 16 now work correctly with a GM 3.4 scale

25. On WSWA there was a problem deleting carcass totals using command 107 with the Total Read/Clear Control field (107009) set to a value of 6. Delete only. MX100 actually locked up. Other values worked correctly.

<b>Allchange Reference</b>	DR03872
<b>Helpmaster Reference</b>	
<b>Versions Affected</b>	V8.7 Onwards
<b>Commands affected</b>	#107
<b>Scale Types affected</b>	WSWA all phases
<b>OS affected</b>	Windows
<b>Modified components</b>	Wswa.dll
<b>Risk Analysis</b>	LOW
<b>Testing</b>	This command now correctly deletes trace totals without locking up

26. Text fields on M/IM containing ABML control sequences were being incorrectly truncated. Warning 78 was given in the status.log file. The problem occurred with Hindi, strikeout & inverse ABML sequences only because their resultant lengths in the scale protocol were much longer than the length of the ABML sequence in the supplied data. The truncation in the driver was based on exceeding the length of the supplied string rather than exceeding the length of the field in the scale.

<b>Allchange Reference</b>	DR03861
<b>Helpmaster Reference</b>	
<b>Versions Affected</b>	All versions
<b>Commands affected</b>	Any containing text fields
<b>Scale Types affected</b>	M/IM series all phases
<b>OS affected</b>	Windows
<b>Modified components</b>	mos.dll
<b>Risk Analysis</b>	HIGH
<b>Testing</b>	A set of files that demonstrated the problem now work correctly. The fix applied affects all the text fields in all commands. A full test of every field is not possible so a code review has taken place to check each field.

27. When deleting non-existent records on the WSWA a general scale error 112 was given in mx100 without any extra information. This has been modified so that the precise "**scale reason code**" is now returned using the mechanism used by other scale types. Refer to the Data Reference Guide for a list of the WSWA reason codes.

<b>Allchange Reference</b>	DR03839
<b>Helpmaster Reference</b>	
<b>Versions Affected</b>	V8.7 onwards
<b>Commands affected</b>	ALL
<b>Scale Types affected</b>	WSWA
<b>OS affected</b>	Windows
<b>Modified components</b>	Wswa.dll
<b>Risk Analysis</b>	Low
<b>Testing</b>	For the example reported of deleting a non existent trace record the following reason code is now returned. 100000 – Delete error

28. There was a problem sending logos to the WSWA machine. This was because the logo filename field 52040 was defined as TEXT rather than STRING in the driface files. This meant that depending on the setting of DEFAULTJUSTCTL in syscg.cti the filename was sometimes prefixed with an ABML sequence which caused that filename to be invalid.

<b>Allchange Reference</b>	DR03835
<b>Helpmaster Reference</b>	
<b>Versions Affected</b>	V8.7 onwards
<b>Commands affected</b>	#52,352,452
<b>Scale Types affected</b>	WSWA
<b>OS affected</b>	Windows
<b>Modified components</b>	ALL WSWA tpl files
<b>Risk Analysis</b>	Low
<b>Testing</b>	A set of files that demonstrated the problem now work correctly.

29. M series scroll messages can now contain ABML sequences because of the improved display capabilities. Mx100 has never been modified to take account of this and therefore ABML was always stripped out for scroll messages for all phases. ABML is now allowed in scroll messages for phases P600 and above.

<b>Allchange Reference</b>	DR03789
<b>Helpmaster Reference</b>	
<b>Versions Affected</b>	ALL
<b>Commands affected</b>	#40
<b>Scale Types affected</b>	M Series P6000 & above
<b>OS affected</b>	Windows
<b>Modified components</b>	Mos.dll
<b>Risk Analysis</b>	Low
<b>Testing</b>	Scroll messages with ABML fonts can now be sent to M series scales Phase 6000 and above

30. When sending command 45 to a 3.4 M series scale error 164 was always given.

<b>Allchange Reference</b>	DR03695
<b>Helpmaster Reference</b>	
<b>Versions Affected</b>	ALL
<b>Commands affected</b>	#45
<b>Scale Types affected</b>	M Series P3.4
<b>OS affected</b>	Windows
<b>Modified components</b>	Mos.dll
<b>Risk Analysis</b>	Low
<b>Testing</b>	Command 45 can now be sent successfully to a 3.4 M series scale

31. All the files in the testset folder are now converted to PC format by the windows installation script. Previously they were installed in UNIX format.

<b>Allchange Reference</b>	DR02093
<b>Helpmaster Reference</b>	
<b>Versions Affected</b>	ALL
<b>Commands affected</b>	N/A
<b>Scale Types affected</b>	N/A
<b>OS affected</b>	Windows
<b>Modified components</b>	Installation
<b>Risk Analysis</b>	LOW
<b>Testing</b>	After installation all files in the testset folder are now PC format

32. Barcode operation has changed on WSWA and B806. The registry key DefaultArticleSize has been removed from the mx100 installation. If an entry in the barcode.ctl cannot be found rather than automatically using the value specified by DefaultArticleSize error 825 is given.

<b>Allchange Reference</b>	DR03626
<b>Helpmaster Reference</b>	
<b>Versions Affected</b>	ALL
<b>Commands affected</b>	#1
<b>Scale Types affected</b>	WSWA, B806
<b>OS affected</b>	ALL
<b>Modified components</b>	wswa.dll sdb806.dll
<b>Risk Analysis</b>	LOW
<b>Testing</b>	If the prefix of the barcode cannot be found in barcode.ctl error 825 is generated. If the registry key is created with a value of 5 an article length of 5 is used.

33. When "US" is selected during the mx100 installation the net weight units are now set to oz rather than decimal lbs.

<b>Allchange Reference</b>	DR02093
<b>Helpmaster Reference</b>	
<b>Versions Affected</b>	ALL
<b>Commands affected</b>	N/A
<b>Scale Types affected</b>	N/A
<b>OS affected</b>	Windows
<b>Modified components</b>	Installation
<b>Risk Analysis</b>	LOW
<b>Testing</b>	After a US installation the relevant net weight registry keys are set to select oz.

## Version 9.0.5.0

MX100 Version 9.0.5.0 is a full Windows Release.  
This was based upon Version 9.0.3.0.

### General Testing Version 9.0.5.0

No general testing has been carried out, only feature specific testing has been carried out.

### Modified Components

Component	Notes	Functional Change
Rt_comms.exe	Data maintenance	No
Rt_trans.exe	Transaction collection	No
rtstrans.exe	Subtotal receipt version	No
Rt_quit.exe		No
Rt_start.exe		No
Rt_stop.exe		No
Ablogger.exe	Audit server	No
Naudit.dll	Audit client component	No
Nregistry.dll	Registry module	No
Trans.dll	Translation component	No
Recordp.dll	Command processor	No
Mos.dll	M/IM/GM driver	Yes
KeyCodeTrans.dll	Keyboard key code translation DLL for M series driver	No
Sdc603.dll	CX Driver	No
Sdb806.dll	B806 driver	No
Sap500.dll	Sap500 driver	No
Rem_drvr.dll	MP router(not driver)	No
Select.dll		No
Spexec.dll	Mx400 interface	No
Spexecv8.dll	Mx400 interface	Yes
Lic_chk.dll	Corporate license	No
Driface.dll	Driface file parser	No
Asiwin32.dll	Communications module	No
Chartrans.dll	Codepage translator	No
Spexecif.dll	Label editor license wrapper	No
WSWA.dll	WSWA Driver	No
WSWAtrans.dll	WSWA transformation dll	No
B806trans.dll	B806 transformation dll	No
Transport.dll	General comms dll	No
Agnus.exe	Label Format converter	No
Evo.dll	E Series driver	No

The above is not a complete list of exe and DLL's in Mx100 but a list of general component groups.

### Changed in Version 9.0.5.0

1. Jmail.dll has been removed from the mx100 installation set because some over zealous virus checkers report it as a malicious file. Jmail.dll was added some time ago as an email alerter but it was never widely adopted and so it is safe to remove it.

<b>Allchange Reference</b>	CR03649
<b>Versions Affected</b>	9.0.x.x
<b>Commands affected</b>	N/A
<b>Scale Types affected</b>	N/A
<b>OS affected</b>	Windows
<b>Modified components</b>	Install
<b>Risk Analysis</b>	Low
<b>Testing</b>	Jmail.dll is no longer installed

### Fixed in Version 9.0.5.0

2. Spexecv8.dll has been modified to ensure that the license activator utility uses the lshost file to determine the location of the network license server. Previously the license activator always scanned the network for a license server ignoring the server specified by the lshost file.

<b>Allchange Reference</b>	DR03849
<b>Helpmaster Reference</b>	
<b>Versions Affected</b>	9.0.x.x
<b>Commands affected</b>	N/A
<b>Scale Types affected</b>	N/A
<b>OS affected</b>	Windows
<b>Modified components</b>	Spexecv8.dll
<b>Risk Analysis</b>	Low
<b>Testing</b>	The activator utility now uses the server specified by the lshost file.

3. Mx100 9.0.4.0 now has a new GUID. Previous versions of mx100 used the same GUID. From this version onwards new mx100 versions will be given a new GUID. I.e. 9.0, 9.1, 9.2 will have unique GUIDS. The reason for this is so that specific versions of mx100 can be identified for un-installation.

<b>Allchange Reference</b>	DR03846
<b>Helpmaster Reference</b>	
<b>Versions Affected</b>	V8 onwards
<b>Commands affected</b>	N/A
<b>Scale Types affected</b>	N/A
<b>OS affected</b>	Windows
<b>Modified components</b>	Install shield script
<b>Risk Analysis</b>	Low
<b>Testing</b>	Removing mx100 from add/remove programs in control panel now only removes a particular version not all versions with the same GUID



4. The mx100 installshield script has been modified to improve its SILENTMODE operation. Various intermittent install problems have been reported recently.  
Note: The mx100 install is not affected.  
The changes are:-
- a) Any error in the mx100 script causes a messagebox to be displayed that can potentially cause the installation to fail and abort. Now when doing a SILENTMODE install the messagebox is suppressed and the resultant error text is redirected into the finished file for mx400 to read
- b) The Mx100 installation occasionally prompts for a reboot at the end of the install. When doing a SILENTMODE install the reboot message is now suppressed. It is the calling applications responsibility to prompt for the reboot.
- c) Any install error will cause the script to complete without writing the finished file. The script has been changed so that the finished file is always created when in SILENTMODE. If there is no error the file will be empty. If there was an error the file will contain the error text from the associated messagebox.

<b>Allchange Reference</b>	DR03848
<b>Helpmaster Reference</b>	
<b>Versions Affected</b>	9.0.x.x
<b>Commands affected</b>	ALL
<b>Scale Types affected</b>	ALL
<b>OS affected</b>	All
<b>Modified components</b>	Install shield script
<b>Risk Analysis</b>	Low
<b>Testing</b>	The new changes to the install script have been tested in normal mode to ensure they function as expected. The new script has also been tested as part of an mx400 install.

5. On all phases of M series Command 339 gave a driface error on field 339545 (Dual Currency) Flag.

<b>Allchange Reference</b>	DR03870
<b>Helpmaster Reference</b>	
<b>Versions Affected</b>	9.0.x.x
<b>Commands affected</b>	339
<b>Scale Types affected</b>	M Series all Phases
<b>OS affected</b>	Windows
<b>Modified components</b>	Mos.dll
<b>Risk Analysis</b>	Low
<b>Testing</b>	Command 339 now works without generating a driface error

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## Version 9.0.3.0

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MX100 Version 9.0.3.0 is a full Windows Release.  
This was based upon Version 9.0.2.0.

### General Testing Version 9.0.3.0

No general testing has been carried out, only feature specific testing has been carried out.

### Modified Components

Component	Notes	Functional Change
Rt_comms.exe	Data maintenance	No
Rt_trans.exe	Transaction collection	No
rtstrans.exe	Subtotal receipt version	No
Rt_quit.exe		No
Rt_start.exe		No
Rt_stop.exe		No
Ablogger.exe	Audit server	No
Naudit.dll	Audit client component	No
Nregistry.dll	Registry module	No
Trans.dll	Translation component	No
Recordp.dll	Command processor	Yes
Mos.dll	M/GM driver	Yes
KeyCodeTrans.dll	Keyboard key code translation DLL for M series driver	No
Sdc603.dll	CX Driver	No
Sdb806.dll	B806 driver	No
Sap500.dll	Sap500 driver	No
Rem_drvr.dll	MP router(not driver)	No
Select.dll		No
Spexec.dll	Mx400 interface	No
Spexecv8.dll	Mx400 interface	No
Lic_chk.dll	Corporate license	No
Driface.dll	Driface file parser	No
Asiwin32.dll	Communications module	No
Chartrans.dll	Codepage translator	No
Spexecif.dll	Label editor license wrapper	No
WSWA.dll	WSWA Driver	No
WSWAtrans.dll	WSWA transformation dll	No
B806trans.dll	B806 transformation dll	No
Transport.dll	General comms dll	No
Agnus.exe	Label Format converter	No
Evo.dll	E Series driver	No

The above is not a complete list of exe and DLL's in Mx100 but a list of general component groups.

### Changed in Version 9.0.3.0

1. On M Series phase 5.2 and above Fixed Price PLU operation has been modified to allow item breaks (1065, 1066, etc). Previously weight breaks were incorrectly allowed for PLU's of this type which the scale did not support. Commands 8 & 9 have also been modified.

<b>Allchange Reference</b>	CR03550
<b>Commands affected</b>	#1,#8,#9
<b>Scale Types affected</b>	M Series Phase 5.2 and above
<b>OS affected</b>	ALL
<b>Modified components</b>	Mos.dll
<b>Risk Analysis</b>	Low
<b>Testing</b>	A Fixed price PLU has been sent to a Phase 6 M series scale with a tare ref & item quantities set. The PLU was correctly read back using commands 8 & 9.

### Fixed in Version 9.0.3.0

1. Auto-phasing to unsupported versions of M series scales using Mx100 V9.0.x.x caused mx100 to crash. This was because rather than reverting back to the last supported M series phase which was 6.2 it was reverting back to the last IM series phase which was 7.0. M Series 7.0 does not exist and so the relevant files were not found causing the crash. The record processor has also been modified so that it returns error 498 "Unknown Scale Type" rather than crashing.

<b>Allchange Reference</b>	DR03838
<b>Helpmaster Reference</b>	
<b>Versions Affected</b>	9.0.x.x
<b>Commands affected</b>	ALL
<b>Scale Types affected</b>	M Series 7.1
<b>OS affected</b>	All
<b>Modified components</b>	Mos.dll,recordp.dll
<b>Risk Analysis</b>	Low
<b>Testing</b>	Auto-phasing to a newer M series phase now works correctly.

## **Version 9.0.2.0**

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MX100 Version 9.0.2.0 is a full Windows Release.  
This was based upon Version 9.0.1.0.

### **General Testing Version 9.0.2.0**

No general testing has been carried out, only feature specific testing has been carried out.

### Modified Components

Component	Notes	Functional Change
Rt_comms.exe	Data maintenance	No
Rt_trans.exe	Transaction collection	No
rtstrans.exe	Subtotal receipt version	No
Rt_quit.exe		No
Rt_start.exe		No
Rt_stop.exe		No
Ablogger.exe	Audit server	No
Naudit.dll	Audit client component	No
Nregistry.dll	Registry module	No
Trans.dll	Translation component	No
Recordp.dll	Command processor	Yes
Mos.dll	M/GM driver	No
KeyCodeTrans.dll	Keyboard key code translation DLL for M series driver	No
Sdc603.dll	CX Driver	No
Sdb806.dll	B806 driver	No
Sap500.dll	Sap500 driver	No
Rem_drvr.dll	MP router(not driver)	No
Select.dll		No
Spexec.dll	Mx400 interface	No
Spexecv8.dll	Mx400 interface	No
Lic_chk.dll	Corporate license	No
Driface.dll	Driface file parser	No
Asiwin32.dll	Communications module	No
Chartrans.dll	Codepage translator	No
Spexecif.dll	Label editor license wrapper	No
WSWA.dll	WSWA Driver	No
WSWAtrans.dll	WSWA transformation dll	No
B806trans.dll	B806 transformation dll	No
Transport.dll	General comms dll	No
Agnus.exe	Label Format converter	Yes
Evo.dll	E Series driver	No

The above is not a complete list of exe and DLL's in Mx100 but a list of general component groups.

**Changed in Version 9.0.2.0**

1. In the latest version of the Label designer (V1.6) the tag-names used by the scale capability files have been made consistent. Previously, different capability files used different tag names for the same field. As a result of this the Agnus component shipped with mx100 has been modified to use the new tag-names. Without this change Command 518 will not create the label format with the new tag names.

<b>Allchange Reference</b>	CR03440
<b>Commands affected</b>	#518
<b>Scale Types affected</b>	ALL
<b>OS affected</b>	Windows only
<b>Modified components</b>	Agnus
<b>Risk Analysis</b>	High
<b>Testing</b>	Tested by Mx400 development team. A label format generated by the new Agnus component can be imported into MX400 V5

2. The company name on all exe & DLL's is now Avery Berkel not Avery weigh-Tronix. The only file affected was mx\_convert.dll.

<b>Allchange Reference</b>	CR03414
<b>Commands affected</b>	ALL
<b>Scale Types affected</b>	ALL
<b>OS affected</b>	Windows only
<b>Modified components</b>	Mx_convert.dll
<b>Risk Analysis</b>	Low
<b>Testing</b>	N/A

3. In early versions of MX100 V9 the following Date2 fields were not supported on IM Series scales. However, IM has always supported these fields. MX100 has been modified accordingly.

<b>Field Code</b>	<b>Field Type</b>	<b>Length</b>	<b>Initial Value</b>	<b>Range</b>	<b>Description</b>
1040/8540/9540	Flag	1	0	0-4	Date Print Control ( 2 )
1041/8541/9541	Numeric	3	0	0-999	Date Offset ( 2 )

<b>Allchange Reference</b>	CR03452
<b>Commands affected</b>	#1,#8,#9
<b>Scale Types affected</b>	IM Series
<b>OS affected</b>	All
<b>Modified components</b>	Imp7000.dri
<b>Risk Analysis</b>	Low
<b>Testing</b>	The above fields can now be sent to and received from an IM scale.

### Fixed in Version 9.0.2.0

1. There was a long standing problem whereby a numeric field could not be left blank when using FIELDPERSEPARATOR = yes in syscfg.ctl. Error 208 "Numeric field contains text" was given. This has been changed so that an empty numeric field is now defaulted to 0 and no error given. This is a compromise since the ideal solution would have been to set the field to the initial value from the driface file. However, this was not an easy solution to implement and so has not been done at this time.

<b>Allchange Reference</b>	DR03759
<b>Helpmaster Reference</b>	
<b>Versions Affected</b>	ALL
<b>Commands affected</b>	ALL
<b>Scale Types affected</b>	ALL
<b>OS affected</b>	All
<b>Modified components</b>	Recordp.dll
<b>Risk Analysis</b>	Low
<b>Testing</b>	A data file with a blank numeric field which used to give error 208 now sends 0 in the relevant field.

2. At V9 the format of the license activation string changed from numeric to alphanumeric. There was a problem activating the new format strings using activate.exe. The problem only affected mx100.

<b>Allchange Reference</b>	DR03769
<b>Helpmaster Reference</b>	
<b>Versions Affected</b>	V9
<b>Commands affected</b>	N/A
<b>Scale Types affected</b>	N/A
<b>OS affected</b>	Windows only
<b>Modified components</b>	Activate.exe
<b>Risk Analysis</b>	Low
<b>Testing</b>	It is now possible to activate a new format mx100 license.

## **Version 9.0.1.0**

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MX100 Version 9.0.1.0 is a full Windows Release.  
This was based upon Version 9.0.0.0.

### **General Testing Version 9.0.1.0**

No general testing has been carried out, only feature specific testing has been carried out.



### Modified Components

Component	Notes	Functional Change
Rt_comms.exe	Data maintenance	No
Rt_trans.exe	Transaction collection	No
rtstrans.exe	Subtotal receipt version	No
Rt_quit.exe		No
Rt_start.exe		No
Rt_stop.exe		No
Ablogger.exe	Audit server	No
Naudit.dll	Audit client component	No
Nregistry.dll	Registry module	No
Trans.dll	Translation component	No
Recordp.dll	Command processor	No
Mos.dll	M/GM driver	Yes
KeyCodeTrans.dll	Keyboard key code translation DLL for M series driver	No
Sdc603.dll	CX Driver	No
Sdb806.dll	B806 driver	No
Sap500.dll	Sap500 driver	No
Rem_drvr.dll	MP router(not driver)	No
Select.dll		No
Spexec.dll	Mx400 interface	No
Spexecv8.dll	Mx400 interface	Yes
Lic_chk.dll	Corporate license	No
Driface.dll	Driface file parser	No
Asiwin32.dll	Communications module	No
Chartrans.dll	Codepage translator	No
Spexecif.dll	Label editor license wrapper	No
WSWA.dll	WSWA Driver	Yes
WSWAtrans.dll	WSWA transformation dll	No
B806trans.dll	B806 transformation dll	No
Transport.dll	General comms dll	No
Agnus.exe	Label Format converter	No
Evo.dll	E Series driver	No

The above is not a complete list of exe and DLL's in Mx100 but a list of general component groups.

**Changed in Version 9.0.1.0**

1. The Driver wrapper DLL's are now installed into the main installation folder rather than a subfolder.

<b>Allchange Reference</b>	CR03274
<b>Commands affected</b>	ALL
<b>Scale Types affected</b>	M Series & WSWA
<b>OS affected</b>	Windows only
<b>Modified components</b>	Install only
<b>Risk Analysis</b>	Low
<b>Testing</b>	MSeriesWrapper.dll & WSWAWrapper.dll are installed into the main installation folder.

2. The Driver wrapper documentation is now installed as part of the mx100 documentation install set. See. "Wrapperdll user guide.doc" in docs folder under main folder.

<b>Allchange Reference</b>	CR03276
<b>Commands affected</b>	NONE
<b>Scale Types affected</b>	M Series & WSWA
<b>OS affected</b>	Windows only
<b>Modified components</b>	Install only
<b>Risk Analysis</b>	Low
<b>Testing</b>	The "Wrapperdll user guide.doc" is now installed in the docs sub folder of the main installation . A shortcut also points to the new document.

3. The license activation screen has been modified to allow license activation files (\*.act) to be loaded directly.

<b>Allchange Reference</b>	CR03288
<b>Commands affected</b>	None
<b>Scale Types affected</b>	N/A
<b>OS affected</b>	Windows only
<b>Modified components</b>	Activate.exe
<b>Risk Analysis</b>	Low
<b>Testing</b>	The activation screen now allows *.act to be loaded directly. The first line is read from the act file and it appears on the screen.

### Fixed in Version 9.0.1.0

1. In previous versions of mx100 most of the M series driface files had "Flag" field entries with incomplete range values. (enumerations) These have now been corrected with phase specific values. Previously, the missing values gave driface range errors.

Affected fields

Field Code	Description
1082	Label Format Type
1046	Nutrition Panel Flag
1068	Promotion type
43032/ 343032/ 444032	Receipt Barcode Control
46052	Tare Interlock
50035	Report Config Full cashing Up
52041/ 352041/ 452041	Logo Type

<b>Allchange Reference</b>	DR03659
<b>Helpmaster Reference</b>	
<b>Versions Affected</b>	8.4A onwards
<b>Commands affected</b>	#1,#43,#46,#50,#52
<b>Scale Types affected</b>	M Series only
<b>OS affected</b>	All
<b>Modified components</b>	M Driface files
<b>Risk Analysis</b>	Low
<b>Testing</b>	The has been tested for "Promotion type" field only on latest phase of M

2. There were problems with 90 & 180 degree label format programming on M & M2 series scales. The field coordinates on the resultant label were out in some cases by up to about 4mm.

There were 2 problems. The first was a general problem with the algorithm converting the field co-ordinates. The 2<sup>nd</sup> was an M2 only problem that resulted in the addition of a new printer capability called HD90.

Note: This will only work with the following versions of the label designer. V1.6.0.0 and above.

<b>Allchange Reference</b>	DR03671
<b>Helpmaster Reference</b>	
<b>Versions Affected</b>	ALL
<b>Commands affected</b>	#18,#518
<b>Scale Types affected</b>	M2 series
<b>OS affected</b>	ALL
<b>Modified components</b>	Mos.dll
<b>Risk Analysis</b>	Low
<b>Testing</b>	An example 90 & 180 degree label format that demonstrated the inaccuracy now works perfectly

3. In V9.0.0.0 the documentation installation pointed to an incorrect shortcut of v9.9.x.x. This has been fixed.

<b>Allchange Reference</b>	DR03690
<b>Helpmaster Reference</b>	
<b>Versions Affected</b>	V9.0.0.0
<b>Commands affected</b>	N/A
<b>Scale Types affected</b>	N/A
<b>OS affected</b>	N/A
<b>Modified components</b>	N/A
<b>Risk Analysis</b>	Low
<b>Testing</b>	The docs are now installed with a shortcut of 9.0.1.0. This is the same as the main mx100 install shortcuts.

4. The corporate license server utility was broken in V9.0.0.0. It was still looking for the old feature code of 23 instead of 24. It is fixed in this version.

<b>Allchange Reference</b>	DR03706
<b>Helpmaster Reference</b>	
<b>Versions Affected</b>	V9.0.0.0
<b>Commands affected</b>	N/A
<b>Scale Types affected</b>	N/A
<b>OS affected</b>	Windows only
<b>Modified components</b>	Lic_srv.exe
<b>Risk Analysis</b>	Low
<b>Testing</b>	The lic_srv.exe now works with V9 mx100.

5. When programming logos on a WSWA with command 52 if an invalid file was specified the wrong error was given. Error 922 (Invalid bitmap) was given instead of error 921 (failed to open bitmap). This was very misleading.

<b>Allchange Reference</b>	DR03709
<b>Helpmaster Reference</b>	
<b>Versions Affected</b>	8.7E onwards
<b>Commands affected</b>	#52
<b>Scale Types affected</b>	WSWA
<b>OS affected</b>	ALL
<b>Modified components</b>	WSWA.DLL
<b>Risk Analysis</b>	LOW
<b>Testing</b>	The correct error is now given.

6. The lshost file contains the hostname of the current network license server. If the network license check fails the lshost file is now automatically deleted. The effect of this is to force the network to be re-scanned for a new server next time.

<b>Allchange Reference</b>	DR03719
<b>Helpmaster Reference</b>	
<b>Versions Affected</b>	V9.0.0.0
<b>Commands affected</b>	N/A
<b>Scale Types affected</b>	N/A
<b>OS affected</b>	Windows only
<b>Modified components</b>	Spexcv8.dll
<b>Risk Analysis</b>	Low

<b>Testing</b>	With the lshost file set to a particular server, shutting down that server and checking for the network license resulted in the lshost file being deleted.
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## **Version 9.0.0.0**

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MX100 Version 9.0.0.0 is a full Windows Release.  
This was based upon Version 8.17.2.0.

The following versions have also been merged in to this version.

MX100 V8.18.1.0
MX100 V8.18.2.0
MX100 V8.18.3.0

### **General Testing Version 9.0.0.0**

No general testing has been carried out, only feature specific testing has been carried out – Refer to following documents

<b>Document Type</b>	<b>Description</b>	<b>All change reference</b>
SRS	Software requirements for MX100 Version 8.19.1.0	/Current/MX100/docs/srs/scalechase/MX100ImSRS-new.doc;2
Test Doc	MX100 Version 8.19 Support of IM Series phase 7.0	/Current/MX100/docs/testplans/Mx100IMTestsecification.doc;1

Note: 8.19.x.x is now released as V9

### Modified Components

Component	Notes	Functional Change
Rt_comms.exe	Data maintenance	Yes
Rt_trans.exe	Transaction collection	Yes
rtstrans.exe	Subtotal receipt version	Yes
Rt_quit.exe		No
Rt_start.exe		No
Rt_stop.exe		No
Ablogger.exe	Audit server	No
Naudit.dll	Audit client component	No
Nregistry.dll	Registry module	No
Trans.dll	Translation component	No
Recordp.dll	Command processor	Yes
Mos.dll	M/GM driver	Yes
KeyCodeTrans.dll	Keyboard key code translation DLL for M series driver	No
Sdc603.dll	CX Driver	Yes
Sdb806.dll	B806 driver	Yes
Sap500.dll	Sap500 driver	Yes
Rem_drvr.dll	MP router(not driver)	Yes
Select.dll		Yes
Spexec.dll	Mx400 interface	No
Spexecv8.dll	Mx400 interface	NEW
Lic_chk.dll	Corporate license	Yes
Driface.dll	Driface file parser	Yes
Asiwin32.dll	Communications module	No
Chartrans.dll	Codepage translator	No
Spexecif.dll	Label editor license wrapper	No
WSWA.dll	WSWA Driver	Yes
WSWAtrans.dll	WSWA transformation dll	No
B806trans.dll	B806 transformation dll	No
Transport.dll	General comms dll	No
Agnus.exe	Label Format converter	No
Evo.dll	E Series driver	Yes

The above is not a complete list of exe and DLL's in Mx100 but a list of general component groups.

**Changed in Version 9.0.0.0**

1. The licensing system has been modified to incorporate Sentinel RMS V8.1.

<b>Allchange Reference</b>	CR02233
<b>Commands affected</b>	N/A
<b>Scale Types affected</b>	N/A
<b>OS affected</b>	Windows only
<b>Modified components</b>	All license components
<b>Risk Analysis</b>	Low Risk
<b>Testing</b>	This has been tested on XP & Vista with all combinations of license type.

2. A new Error code has been added to mx100 to indicate when a particular scale type is not activated/licensed.

202 - Scale Type not activated.

<b>Allchange Reference</b>	CR02960
<b>Commands affected</b>	ALL
<b>Scale Types affected</b>	ALL
<b>OS affected</b>	ALL
<b>Modified components</b>	ALL drivers
<b>Risk Analysis</b>	Low Risk
<b>Testing</b>	If IM comms is attempted with an old (feature 23) MX100 license error 202 is generated.

3. Corporate licenses now contain an optional expiry date.

<b>Allchange Reference</b>	CR02723
<b>Commands affected</b>	None
<b>Scale Types affected</b>	ALL
<b>OS affected</b>	Windows only
<b>Modified components</b>	Lic_chk.dll
<b>Risk Analysis</b>	Low Risk
<b>Testing</b>	The corporate license fails to operate once the date has expired.

4. IM Series scale support has been added to this version of mx100. Refer to the data reference guide for more information.

<b>Allchange Reference</b>	CR02376, CR02377, CR02380- CR02407
<b>Commands affected</b>	ALL IM related commands
<b>Scale Types affected</b>	IM Series
<b>OS affected</b>	Windows
<b>Modified components</b>	Mos.dll
<b>Risk Analysis</b>	Low Risk
<b>Testing</b>	Refer to MX100 Version 8.19 Support of IM Series phase 7.0



5. All lang.txt files have been removed from the installation. These files are no longer used. They have been replaced with newerrors.xml.

<b>Allchange Reference</b>	CR02467
<b>Commands affected</b>	None
<b>Scale Types affected</b>	None
<b>OS affected</b>	Windows
<b>Modified components</b>	Install Only
<b>Risk Analysis</b>	Low Risk
<b>Testing</b>	Not tested

6. Old system DLL's e.g. mfc42.dll have been removed from the installation. These files are no longer used. They have been replaced with the latest versions.

<b>Allchange Reference</b>	CR02468
<b>Commands affected</b>	None
<b>Scale Types affected</b>	N/A
<b>OS affected</b>	Windows only
<b>Modified components</b>	Install Only
<b>Risk Analysis</b>	Low Risk
<b>Testing</b>	Not tested

7. The network.ctl syntax for MP Series scales has been modified to be consistent with other scale types. For compatibility the old syntax can still be used.

New syntax

#1 MOSPC 1 1

1 Host 1 0 TCP 10.20.99.100 3001 No

<b>Allchange Reference</b>	CR02132
<b>Commands affected</b>	ALL
<b>Scale Types affected</b>	MP Series
<b>OS affected</b>	ALL
<b>Modified components</b>	Recordp.dll, drivers.def
<b>Risk Analysis</b>	Low Risk
<b>Testing</b>	MP can now be driven with the old & new syntax

8. The select logging has been improved. Previously, the logging of actual parameter values passed to the select function eg tableentryexists was non existent. This made it very difficult to diagnose problems.

<b>Allchange Reference</b>	CR02727
<b>Commands affected</b>	None
<b>Scale Types affected</b>	ALL
<b>OS affected</b>	Windows only
<b>Modified components</b>	Select.dll
<b>Risk Analysis</b>	Low Risk
<b>Testing</b>	NOT TESTED

9. The following version of MP series scale is now supported by Mx100. V2.2.0.2.  
The changes to the interface are the addition of the following 2 fields:

```
59586 Numeric      +      8  0          // Amount Tendered
59588 Numeric      +      8  0          // Change Given
```

<b>Allchange Reference</b>	CR03113
<b>Commands affected</b>	None
<b>Scale Types affected</b>	MP Series
<b>OS affected</b>	Windows only
<b>Modified components</b>	Mospc2200.dri
<b>Risk Analysis</b>	Low Risk
<b>Testing</b>	NOT TESTED

10. The Mx101 scale driver wrapper DLLs are now distributed with mx100. They are installed in the DLLWrapper sub folder. To make use of them the DLL's must be copied into the folder specified by MEXE. The DLL's require a valid V9.0.0. License. The wrapper DLL's are available for M series and WSWA only.

Refer to "MX100 Interface DLL.doc" for more details.

<b>Allchange Reference</b>	CR03084
<b>Commands affected</b>	None
<b>Scale Types affected</b>	ALL
<b>OS affected</b>	Windows only
<b>Modified components</b>	Select.dll
<b>Risk Analysis</b>	Low Risk
<b>Testing</b>	The DLL's are installed correctly

11. The Activate.exe utility used by mx100/mx400 to handle license entry has been modified to support networked capacity licenses for mx400.

<b>Allchange Reference</b>	CR03084
<b>Commands affected</b>	None
<b>Scale Types affected</b>	ALL
<b>OS affected</b>	Windows only
<b>Modified components</b>	Activate.exe
<b>Risk Analysis</b>	Low Risk
<b>Testing</b>	An mx400 capacity license can now be entered via this utility

**Fixed in Version 9.0.0.0**

1. On M Series Field 46053 (Receipt Barcode Printing Flag) was not allowing all the possible values. Option 2 "enable sub total rcpt only" was missing.

<b>Allchange Reference</b>	DR03063
<b>Helpmaster Reference</b>	
<b>Versions Affected</b>	V7.7 and above
<b>Commands affected</b>	#46
<b>Scale Types affected</b>	M series P4000 and above
<b>OS affected</b>	ALL
<b>Modified components</b>	Mos.dll
<b>Risk Analysis</b>	Low
<b>Testing</b>	Option 2 is now passed through to the scale

2. On M Series Field 46061 (Checkout Mode Flag) was not allowing all the possible values. Option 2 "Checkout on with no float" was missing.

<b>Allchange Reference</b>	DR03064
<b>Helpmaster Reference</b>	
<b>Versions Affected</b>	V7.7 and above
<b>Commands affected</b>	#46
<b>Scale Types affected</b>	M series P5000 and above
<b>OS affected</b>	ALL
<b>Modified components</b>	Mos.dll
<b>Risk Analysis</b>	Low
<b>Testing</b>	Option 2 is now passed through to the scale

3. There was a problem sending fixed price PLU's to M series P5.2 scales and above. The Price on the scale was always wrong.

The table below describes the behaviour of the trading mode settings.

<b>MX100</b>				<b>M series Phase 5.2 and above</b>	
Description of operation	Unit of Measure (1051)	Trading Mode (1385)	Price Base (1050)	Product Type	Type
By weight	0	0	X	0 = by weight	0 = weighed
By Fixed price	0	1	X	4 = by Fixed Price	1 = +ve non weighed
By +ve Count	1	0	X	1 = by +ve Count	1 = +ve non weighed
By -ve Count	1	0	0	2 = by -ve Count	2 = -ve non weighed
By Fixed Weight (total price)	1	1	1	3 = by Fixed Weight	1 = +ve non weighed
By Fixed Weight (Unit price)	1	2	X	Not supported (WSWA only)	Not supported (WSWA only)

X = don't care

<b>Allchange Reference</b>	DR03293
<b>Helpmaster Reference</b>	
<b>Versions Affected</b>	V8.4 and above
<b>Commands affected</b>	#1
<b>Scale Types affected</b>	M Series P5.2 and above
<b>OS affected</b>	ALL
<b>Modified components</b>	Mos.dll
<b>Risk Analysis</b>	Low
<b>Testing</b>	Fixed price PLU's can now be sent to an M series P5.2 scale

4. When using a mix of registry.ctf and command line options eg -oe to override the registry, sometimes the command line did not take precedence and the wrong settings were used.

The order of precedence is:

- 1) command line
- 2) registry.ctf
- 3) registry

<b>Allchange Reference</b>	DR03307
<b>Helpmaster Reference</b>	
<b>Versions Affected</b>	V8.0 onwards
<b>Commands affected</b>	N/A
<b>Scale Types affected</b>	N/A
<b>OS affected</b>	ALL
<b>Modified components</b>	Recordp.dll
<b>Risk Analysis</b>	Low
<b>Testing</b>	A set of files highlighting the problem now work as expected.

5. When reading back payment keys on M series using Command 339 the fields 339545 (Dual Currency Flag) & 339547 (Thousands separator) are not available and therefore have never actually been returned. These fields have now been removed from the interface completely.

<b>Allchange Reference</b>	DR03137
<b>Helpmaster Reference</b>	
<b>Versions Affected</b>	
<b>Commands affected</b>	#339
<b>Scale Types affected</b>	M series all phases
<b>OS affected</b>	ALL
<b>Modified components</b>	Mos.dll
<b>Risk Analysis</b>	Low
<b>Testing</b>	Not tested

6. When auto-phasing to an unsupported phase of WSWA the unknown phase condition was not handled correctly. Rather than trapping the error and giving a meaningful error message the driver continued and failed to open the following template file. wswap-1000.tpl. This condition is now handled correctly and error 498 is given "Unknown scale phase" is returned.

<b>Allchange Reference</b>	DR03398
<b>Helpmaster Reference</b>	
<b>Versions Affected</b>	V8.7 onwards
<b>Commands affected</b>	ALL
<b>Scale Types affected</b>	WSWA.DLL
<b>OS affected</b>	ALL
<b>Modified components</b>	WSWA
<b>Risk Analysis</b>	Low Risk
<b>Testing</b>	Error 498 is now generated for an unrecognised WSWA phase

7. The -f command line option did not work with a WSWA scale type specified in network.ctl. Error 498 "Unknown Scale Type" was given.

<b>Allchange Reference</b>	DR03579
<b>Helpmaster Reference</b>	
<b>Versions Affected</b>	V8.7 onwards
<b>Commands affected</b>	ALL
<b>Scale Types affected</b>	WSWA
<b>OS affected</b>	ALL
<b>Modified components</b>	Recordp.dll
<b>Risk Analysis</b>	Low Risk
<b>Testing</b>	The -f option now works with WSWA scale types

8. If mx100 communicates with a newer version of MP of which it is not aware, the normal operation is for the driface file to be retrieved from the scale. However, this operation was failing causing a fatal memory error.

<b>Allchange Reference</b>	DR03578
<b>Helpmaster Reference</b>	
<b>Versions Affected</b>	?
<b>Commands affected</b>	N/A
<b>Scale Types affected</b>	MP Series
<b>OS affected</b>	ALL
<b>Modified components</b>	Rem_drvr.dll
<b>Risk Analysis</b>	Low Risk
<b>Testing</b>	Mx100 communicating to an MP scale that caused the memory crash now works correctly.

9. WSWA phase 1050 supports 2 new fields in the scheme attribute commands (611,711,911). These new fields were mistakenly added for older scale phases also, therefore breaking these commands in the older phases. (1000 – 1040)

<b>Allchange Reference</b>	DR03561
<b>Helpmaster Reference</b>	
<b>Versions Affected</b>	8.16A
<b>Commands affected</b>	ALL
<b>Scale Types affected</b>	WSWA
<b>OS affected</b>	ALL
<b>Modified components</b>	WSWA tpl files
<b>Risk Analysis</b>	Low Risk
<b>Testing</b>	This has been tested on phase 1010 only.

10. The rem\_server component used on MP has been modified to strip the path information from the supplied driface name.

<b>Allchange Reference</b>	DR03557
<b>Helpmaster Reference</b>	
<b>Versions Affected</b>	ALL
<b>Commands affected</b>	ALL
<b>Scale Types affected</b>	MP Series
<b>OS affected</b>	ALL
<b>Modified components</b>	Rem_servr.exe
<b>Risk Analysis</b>	Low Risk
<b>Testing</b>	NOT TESTED

11. When doing comms to an MP Scale if the driface name in drivers.def is upper case this can stop the command from working. Mx100 has been changed to always convert the driface name to lower case.

<b>Allchange Reference</b>	DR03491
<b>Helpmaster Reference</b>	
<b>Versions Affected</b>	ALL
<b>Commands affected</b>	ALL
<b>Scale Types affected</b>	ALL
<b>OS affected</b>	ALL
<b>Modified components</b>	Recordp.dll
<b>Risk Analysis</b>	Low Risk
<b>Testing</b>	An MP scale showing the problem now works.

12. There is a difference in the way that errors are reported/handled in MX100 between client/server machine groups and multiple server setups when machines are offline.

For example, if MX100 is set up so that all machines are servers (take 3 servers as an example), if the second server is offline, attempting to update all (online) machines will succeed (if syscfg is set to continue on error):

```
#1 MOS 1 0
1 Host 1 0 TCP 1.2.3.4 3001
2 Host 1 0 TCP 1.2.3.5 3001
3 Host 1 0 TCP 1.2.3.6 3001
```

So, if server '2' is offline in this example, it will report ERROR 160 - machines 1 and 3 will be updated successfully, as MX100 will continue on ERROR.

BUT, if machine number 2 is now reconfigured to be a client of server 1 (not necessarily specified in the network.ctl):

```
#1 MOS 1 0
1 Host 1 0 TCP 1.2.3.4 3001
3 Host 1 0 TCP 1.2.3.6 3001
```

In this case machine 2 being offline will result in ERROR 417. This is FATAL and the remainder of the scales will not be updated, even if 'continue on error' is set.

To resolve this the default settings for error 417 have been changed in errclass.ctl from 'FATAL' to 'ERROR'

<b>Allchange Reference</b>	DR03553
<b>Helpmaster Reference</b>	
<b>Versions Affected</b>	
<b>Commands affected</b>	ALL
<b>Scale Types affected</b>	ALL
<b>OS affected</b>	ALL
<b>Modified components</b>	Errclass.ctl
<b>Risk Analysis</b>	Low Risk
<b>Testing</b>	NOT TESTED

13. When using the WSWA it was not possible to send or receive tare weights bigger than 99.9 grams using fields 55030 and 555530. A driface length error was given.

<b>Allchange Reference</b>	DR03649
<b>Helpmaster Reference</b>	
<b>Versions Affected</b>	V8.7
<b>Commands affected</b>	#55,#555
<b>Scale Types affected</b>	WSWA all phases
<b>OS affected</b>	ALL
<b>Modified components</b>	All WSWA tpl files
<b>Risk Analysis</b>	Low Risk
<b>Testing</b>	A tare value bigger than 99 grams can now be sent to a WSWA.

14. The journal property sheet has been removed from the mx100 installation because it is out of date and does not work with the latest journal mechanism.

<b>Allchange Reference</b>	CR03234
<b>Helpmaster Reference</b>	
<b>Versions Affected</b>	ALL
<b>Commands affected</b>	N\A
<b>Scale Types affected</b>	N\A
<b>OS affected</b>	ALL
<b>Modified components</b>	Journal.dll
<b>Risk Analysis</b>	Low Risk
<b>Testing</b>	This component is no longer installed