

The Global Language of Business

GSMP: General Specifications Change Notification (GCSN)

GSCN #	GSCN Name	Effective Date							
16-424	Corrections to DPM Table	20-Dec-2016							

Associated Work Request (WR) Number:

WR 16-424

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Background:

- The information in the Table for Direct Part Marking is incorrect and need to be changed. The
 rationale for the changes include:
 - The minimum quality for DPM symbols, listed on two separate lines (for "A" and "B" types) do
 not specify the grade in accordance with ISO/IEC TR 29158 and thereby leads to great
 confusion among users who are trying to faithfully implement and abide by the GS1 system
 Gen Spec.
 - The specific aperture size in the DPM quality grade is impossible to implement because the DPM grading method picks the aperture size, rather than the operator specifying the aperture size as they do with non-DPM grading methods.

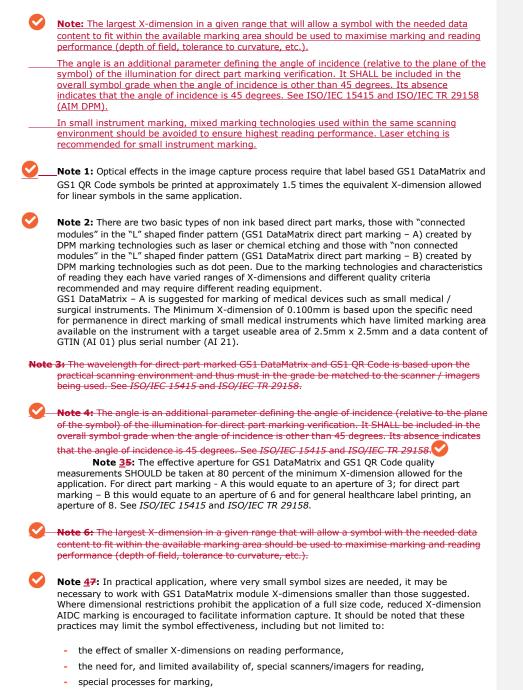
GS1 General Specification Change:

5.5.2.7.7 Symbol specification table 7 - Direct part marking

Figure Error! No text of specified style in document.-1. GS1 system symbol specification table 7

Symbol(s) specified			Minimum symbol height for given X mm (inches)	Quiet Zone	Minimum quality specification		
	Minimum	Target	Maximum	For minimum, Target and Maximum X-dimension			
GS1 DataMatrix	0.254 (0.0100")	0.300 (0.0118″)	0.615 (0.0242″)	Height is determined by X- dimension and data that is encoded	1X on all four sides	1.5/06/660 Note <mark>53</mark>	For direct marking of items other than medical – – – devices
GS1 QR Code	0.254 (0.0100")	0.300 (0.0118″)	0.615 (0.0242″)	Height is determined by X- dimension and data that is encoded	4X on all four sides	1.5/06/660 <u>Note 3</u>	For direct marking of items other than medical devices
GS1 DataMatrix Ink Based direct part marking	0.254 (0.0100″)	0.300 (0.0118″)	0.615 (0.0242″)	Height is determined by X- dimension and data that is encoded	1X on all four sides	1.5/08/660 Note <u>3</u> 5	For direct marking of medical devices such as small medical / surgical instruments
GS1 DataMatrix direct part marking - A Note 2	0.100 (0.0039″)	0.200 (0.0079″)	0.300 (0.0118″)	Height is determined by X- dimension and data that is encoded	1X on all four sides	DPM1.5/04- 12/650/(45Q 130Q130T130 <u>S 90)</u> 1.5/03 / Note3	For direct marking of medical devices such as small medical / surgical instruments
						Note 4 Note 5	
GS1 DataMatrix direct part marking - B Note 2	0.200 (0.0079")	0.300 (0.0118″)	0.495 (0.0195")	Height is determined by X- dimension and data that is encoded	1X on all four sides	DPM1.5/08- 20/650/(45Q 130Q130T130 S190) 1-5/06/Note 3	For direct marking of small medical / surgical instruments
						Note 4 Note 5	

Commented [AH1]: WR14-424 various on Table 7



- the overall cost considerations.



These smaller X-dimensions should therefore only be used internally or by mutual agreement between trading partners

Note 5: Any "Type A" mark that meets the grade requirements under the quality techniques specified in ISO/IEC 15415 is considered acceptable. If the letters "DPM" precede the grade it indicates that the grade was obtained by following ISO/IEC TR 29158 (AIM DPM) and not ISO/IEC 15415 whether "Type A" or "Type B".**Note**: In small instrument marking, mixed marking technologies used within the same scanning environment should be avoided to ensure highest reading performance. Laser etching is recommended for small instrument marking.

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