



GSMP:
General Specifications Change Notification (GSCN)

WR #	GSCN Name	Effective Date
17-000224	Increase Maximum x-dimension for GS1 DataMatrix in table 6	Nov 2017

1 **Associated Work Request (WR) Number:**

17-000224

2 **Background:**

Numerous Member Organizations have pointed out having to fail GS1 DataMatrix symbols solely because the bar code's x-dimension is nominally outside of the maximum permitted x-dimension as detailed in table 6. Though the symbols pass every other category of the print quality assessment, the MOs must sending a failing grade because the symbols are "too big".

Therefore, this request is to increase the maximum x-dimension for GS1 DataMatrix in table 6 of Section 5.5.2.7.6 to match the maximum x-dimension for GS1 DataMatrix already set in table 10(Section 5.5.2.7.10).

The GS1 Barcode and Identification Technical Group has been consulted and agrees that this change makes sense and will not cause any issues.

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5 **5.5.2.7.6 Symbol specification table 6 - Regulated healthcare non-retail consumer trade items not**
6 **scanned in general distribution**

7 **Figure 5.5.2.7.6-1. GS1 system symbol specification table 6**

Symbol(s) specified	X-dimension mm (inches)			Minimum symbol height for given X mm (inches)			Quiet Zone		Minimum quality specification
	Minimum	Target	Maximum	For minimum X-dimension	For target X-dimension	For maximum X-dimension	Left	Right	
GS1- 128	0.170 (0.0067")	0.495 (0.0195")	0.495 (0.0195")	12.70 (0.500")	12.70 (0.500")	12.70 (0.500")	10X	10X	1.5/06/660
GS1 DataMatrix (ECC 200) (✖)	0.254 (0.0100")	0.380 (0.0150")	0.990 (0.0390") 0.495 (0.0195")	Height is determined by X-dimension and data that is encoded			1X on all four sides		1.5/08/660
GS1 DataBar Omni-directional	0.170 (0.0067")	0.200 (0.0080")	0.660 (0.0260")	5.61 (0.221")	6.60 (0.260")	21.78 (0.858")	Not Applicable	Not Applicable	1.5/06/660
GS1 DataBar Truncated	0.170 (0.0067")	0.200 (0.0080")	0.660 (0.0260")	2.21 (0.087")	2.60 (0.102")	8.58 (0.338")	Not Applicable	Not Applicable	1.5/06/660
GS1 DataBar Stacked	0.170 (0.0067")	0.200 (0.0080")	0.660 (0.0260")	2.21 (0.087")	2.60 (0.102")	8.58 (0.338")	Not Applicable	Not Applicable	1.5/06/660
GS1 DataBar Stacked Omni-directional	0.170 (0.0067")	0.200 (0.0080")	0.660 (0.0260")	11.73 (0.462")	13.80 (0.543")	45.54 (1.794")	Not Applicable	Not Applicable	1.5/06/660
GS1 DataBar Limited	0.170 (0.0067")	0.200 (0.0080")	0.660 (0.0260")	1.70 (0.067")	2.00 (0.079")	6.60 (0.260")	Not Applicable	Not Applicable	1.5/06/660
GS1 DataBar Expanded	0.170 (0.0067")	0.200 (0.0080")	0.660 (0.0260")	5.78 (0.228")	6.80 (0.268")	22.44 (0.884")	Not Applicable	Not Applicable	1.5/06/660
GS1 DataBar Expanded Stacked	0.170 (0.0067")	0.200 (0.0080")	0.660 (0.0260")	12.07 (0.475")	14.20 (0.559")	46.86 (1.846")	Not Applicable	Not Applicable	1.5/06/660

EAN-13	0.170 (0.0067")	0.330 (0.0130")	0.660 (0.0260")	18.28 (0.720")	22.85 (0.900")	45.70 (1.800")	11X	7X	1.5/06/660
EAN-8	0.170 (0.0067")	0.330 (0.0130")	0.660 (0.0260")	14.58 (0.574")	18.23 (0.718")	36.46 (1.435")	7X	7X	1.5/06/660
UPC-A	0.170 (0.0067")	0.330 (0.0130")	0.660 (0.0260")	18.28 (0.720")	22.85 (0.900")	45.70 (1.800")	9X	9X	1.5/06/660
UPC-E	0.170 (0.0067")	0.330 (0.0130")	0.660 (0.0260")	18.28 (0.720")	22.85 (0.900")	45.70 (1.800")	9X	7X	1.5/06/660
ITF-14	0.170 (0.0067")	0.495 (0.0195")	0.495 (0.0195")	12.70 (0.500")	12.70 (0.500")	12.70 (0.500")	10X	10X	1.5/06/660
CC-A							1X	1X	1.5/06/660
CC-B							1X	1X	1.5/06/660
CC-C							2X	2X	1.5/06/660

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~~(*) 2D X dimension — Optical effects in the image capture process require that the GS1 DataMatrix symbol be printed at 1.5 times the equivalent printing X dimension allowed for linear or Composite symbols.~~

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✔ **Note:** See section 2.7 to ensure the correct symbol specification table is used.

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✔ **Note:** This table contains several symbol options. All are permitted to promote backward compatibility, but section 2 application standards define which symbols are the preferred options for the future.

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