

MIL-Comply Label Formats

MIL-Comply Labeling supports a robust collection of label formats for Mil-Std-129 Revision R Change Notice 2 (CN2), Mil-Std-129P (CN4), Mil-Std-130N, NFES, GSA (FED-Std-123H) along with hybrid and general-purpose labels. These formats are updated periodically to meet changing compliance standards (e.g. Mil-Std-129) and undergo fine tuning to meet evolving contractor and defense customer requirements. Some of these labels are generated from within MIL-Comply’s GSA and VSM Automation modules.

The purpose of this document is to demonstrate compliance and suitability to purpose but is far from a complete list of labels generated by MIL-Comply software. Contact Mil-Pac Technology for updates and for information on label formats that may not be included.

Note that this document was compiled using a screen-printing tool of much lower resolution than typical printers, which negatively impacts the accuracy of label rendering. Best results are typically achieved with laser printers and supported thermal-transfer printers (203 - 300 DPI).

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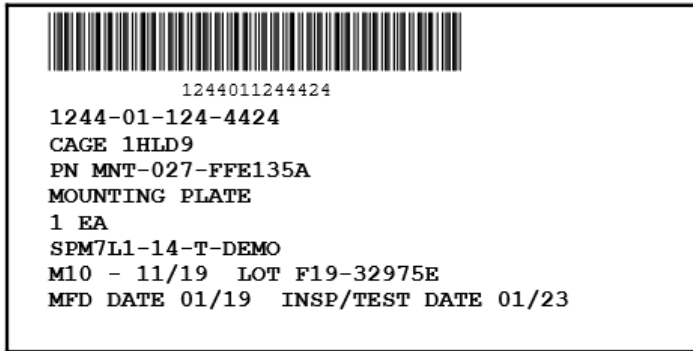
## Mil-Std-129 Revision R

This section includes label formats for compliance with Mil-Std-129 Revision R, Change Notice 2.

### Unit Container Formats

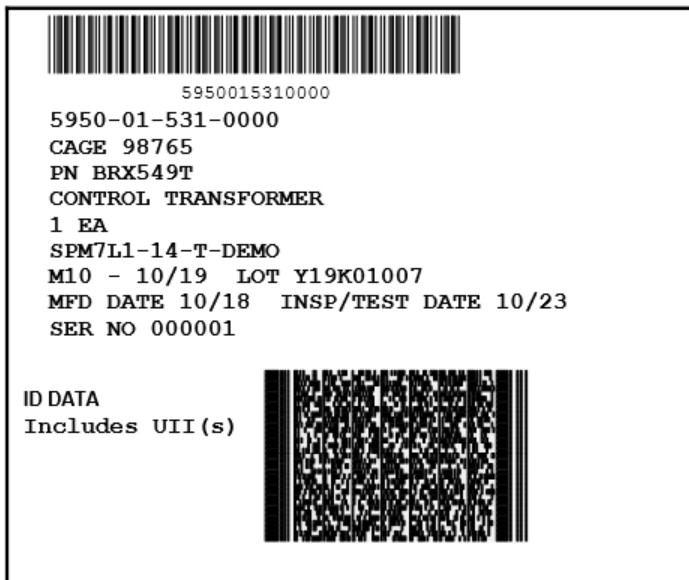
#### 129UCL – Basic Unit Container Label [4"x2"]

This traditional Unit Container Label is suitable for non-serialized items.



#### 129UCL-CN4 – Unit Container Label [4"x3"]

This format includes the PDF417 symbol encoding the IUID, which favored by Revision R. Its name indicates that it was introduced in Revision P, Change Notice 4.



### 129UCLSN-CN4 – MS-129 Unit Container with Linear SN and PDF417 [4”x3”]

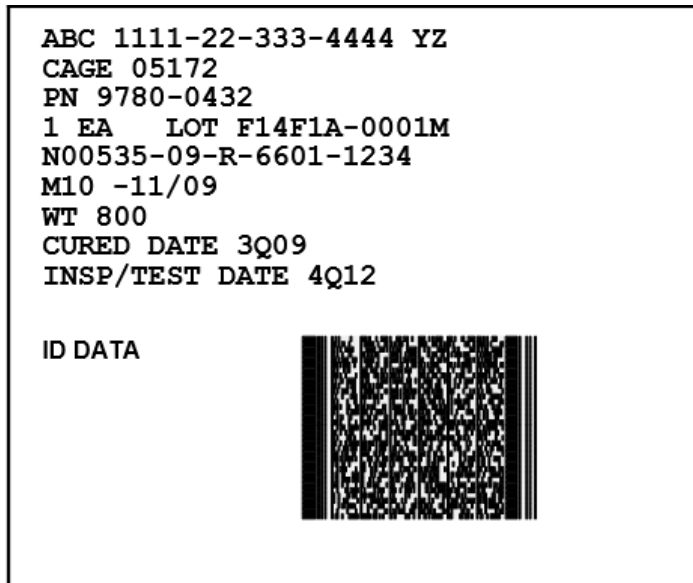
This SN/UID format includes a serial number barcode in addition to the 2D PDF417 symbol. This allows for scanning the serial number with a low-tech barcode scanner.



## Exterior Container Formats

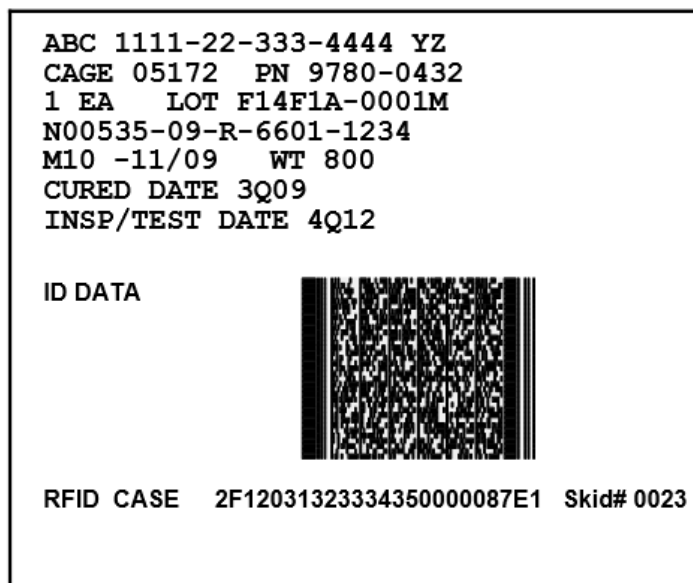
### 129XC2Dsm – Compact Exterior Container - No Serial Numbers [4"x3"]

This is a compact Exterior Container label, without serial numbers or IUIDs.



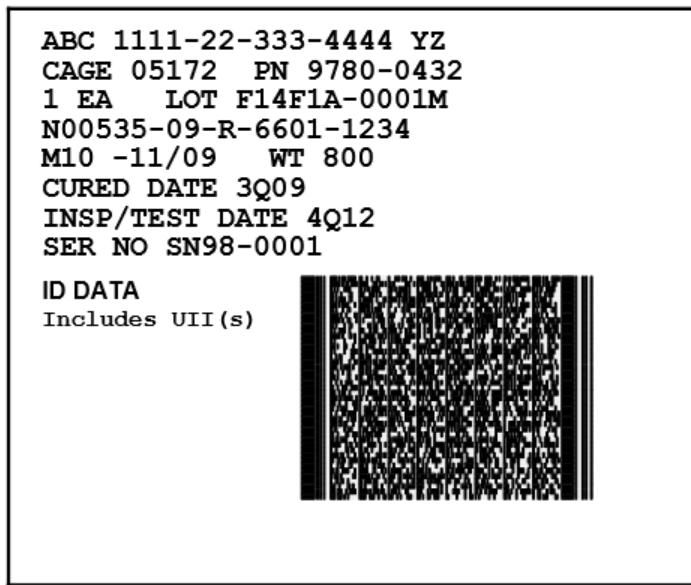
### 129XC2DRsm – Compact RFID Case (Exterior Container) [4"x3" RFID]

RFID variant of the compact Exterior Container format, 129XC2Dsm.



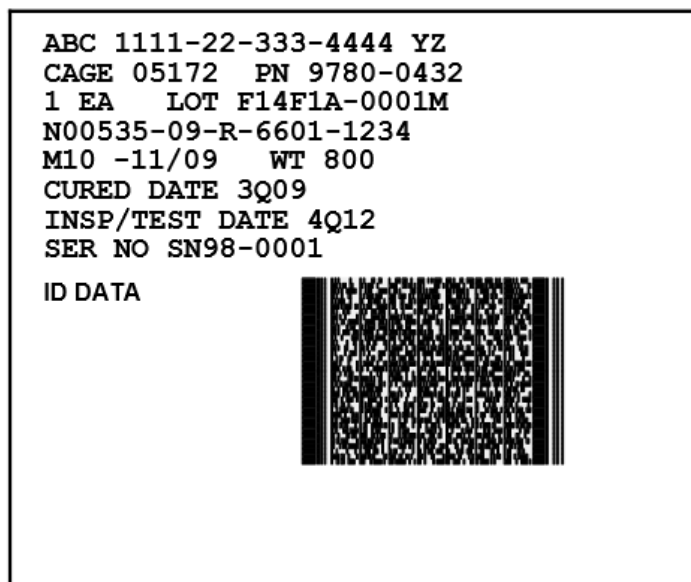
**129XC2DSN – Exterior Container 2D with SN/UID with an IUID [4"x3"]**

Compact Exterior Container format for a single IUID or serial number. This one has an IUID.




**129XC2DSN – Exterior Container 2D with SN/UID with a Serial Number [4"x3"]**

Same as previous 129XC2DSN example, but with a serial number instead of an IUID.




**129XC2DSNR - Compact RFID SN/UID Case with an IUID [4"x3"]**

Compact RFID-tagged Exterior Container format for a single IUID or serial number. This one has an IUID.

ABC 1111-22-333-4444 YZ CAGE 05172 PN 9780-0432 1 EA LOT F14F1A-0001M N00535-09-R-6601-1234 M10 -11/09 WT 800 CURED DATE 3Q09 INSP/TEST DATE 4Q12 SER NO SN98-0001	
ID DATA Includes UII (s)	
RFID CASE 2F12031323334350000087E1 Skid# 0023	

**129XC2DSN - Exterior Container 2D without an SN/UID [4"x3"]**

This format is designed to handle a single IUID or serial number. It has neither, and is shown here to demonstrate if the format is selected inadvertently. The 129XC2Dsm would a better choice for this situation.

ABC 1111-22-333-4444 YZ CAGE 05172 PN 9780-0432 1 EA LOT F14F1A-0001M N00535-09-R-6601-1234 M10 -11/09 WT 800 CURED DATE 3Q09 INSP/TEST DATE 4Q12	
ID DATA	

**129XC2D - Exterior Container Label, up to 5 SNs [4"x6"]**

This larger format Revision R Exterior Container Label allows for up to five serial numbers.

5950-01-531-0000  
CAGE 98765  
PN BRX549T  
5 EA  
SPM7L1-14-T-DEMO  
M10 - 10/19 LOT Y19K01007  
WT 18 CU 3  
MFD DATE 10/18  
INSP/TEST DATE 10/23

SER NO 000001  
SER NO 000002  
SER NO 000003  
SER NO 000004  
SER NO 000005

ID DATA  
Includes UII(s)









## Military Shipment Label (MSL)





MIL-Comply supports the Generic MSL format defined by Mil-Std-129. The Unit Move version of the label is intended for military use.

The MSLs produced by MIL-Comply are slightly different than depicted by Figure 2A of Mil-Std-129. This variation is permitted by ¶15.2.2.3 which stipulate that figures shown are "examples of acceptable MSL formats that may be used as guidelines in producing a label." Format flexibility is necessitated by the wide range of printers that must be supported, not all of which can produce the labels exactly as depicted by the standard. MIL-Comply labels meet the data content and encoding requirements of Mil-Std-129R(CN2).

Standard MSL [4"x6"]

TCN <b>X1HLD99289A001XXX</b> 			
From <b>1HLD9</b> MIL-PAC TECHNOLOGY 1672 MAIN STREET, SUITE 254 RAMONA, CA 92065		TAC/Type Service/Postage <b>FRT LTL</b>	
Piece <b>2 of 3</b> 	Weight (lb.) <b>254</b>	Date Shipped <b>10/16/2019</b>	Project
	Cube (ft.) <b>10</b>	RDD <b>304</b>	FMS Case
Priority <b>1</b>	MSL, Supply & TCMD Data 		
POD			
Ship To / POE	W1BG DIST DEPOT SUSQUE DDSP NEW CUMBERLAND FACILITY 2001 NORMANDY DR DOOR 113 TO 134 NEW CUMBERLAND, PA 17070-5002		
Ultimate Consignee / Mark For Consignee <b>W25G1U</b> RECV OFFICER NON-MIL STRIP 			

RFID MSL [4"x6" RFID]

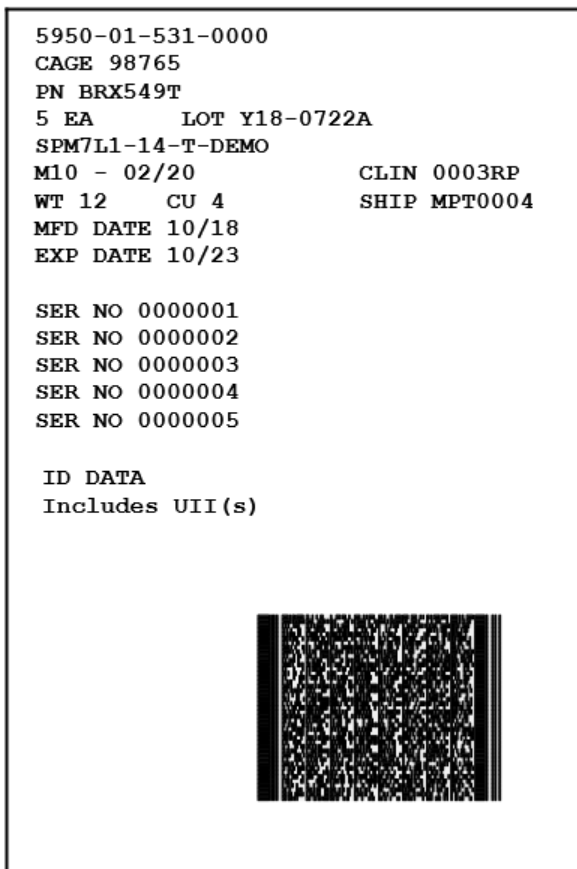
TCN <b>X1HLD99289A001XXX</b> 			
From <b>1HLD9</b> MIL-PAC TECHNOLOGY 1672 MAIN STREET, SUITE 254 RAMONA, CA 92065		TAC/Type Service/Postage <b>FRT LTL</b>	
RFID <b>CASE</b> 2F12031484C443S0000000A3			
Piece <b>1 of 3</b> 	Weight (lb.) <b>254</b>	Date Shipped <b>10/16/2019</b>	Project
	Cube (ft.) <b>10</b>	RDD <b>304</b>	FMS Case
Priority <b>1</b>	MSL, Supply & TCMD Data 		
POD			
Ship To / POE	W1BG DIST DEPOT SUSQUE DDSP NEW CUMBERLAND FACILITY 2001 NORMANDY DR DOOR 113 TO 134 NEW CUMBERLAND, PA 17070-5002		
Ultimate Consignee / Mark For Consignee <b>W25G1U</b> RECV OFFICER NON-MIL STRIP 			

## Mil-Std-129 Revision P Variants

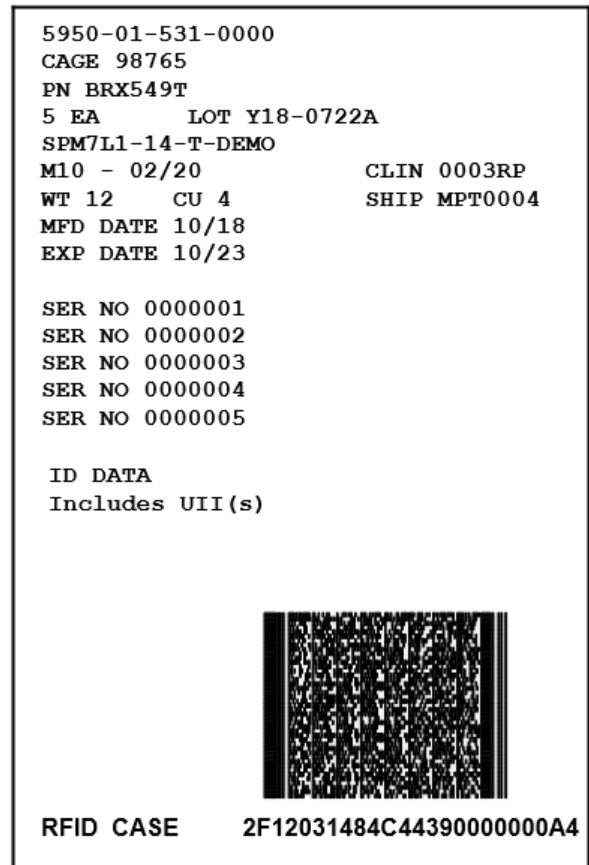
Labels in this section are designed for Revision R compliance but include features that are holdovers from Revision P of Mil-Std-129. They are not strictly compliant with the Mil-Std-129R(CN2).

### Change Notice 4 - Exterior Container Formats

#### RP\_XC2D - Rev P (CN4) Exterior Container with Shipment & CLIN [4"x6"]



This Revision P(CN4) exterior container label includes the 2D symbol introduced in Change Notice 4, but also retains the Shipment and CLIN information in the Identification Text. Cube is optional, in keeping with Revision R. Up to five serial numbers and UIIs may be included. The statement "Includes UIIs" is present only when the 2D PDF417 symbol includes UII data.

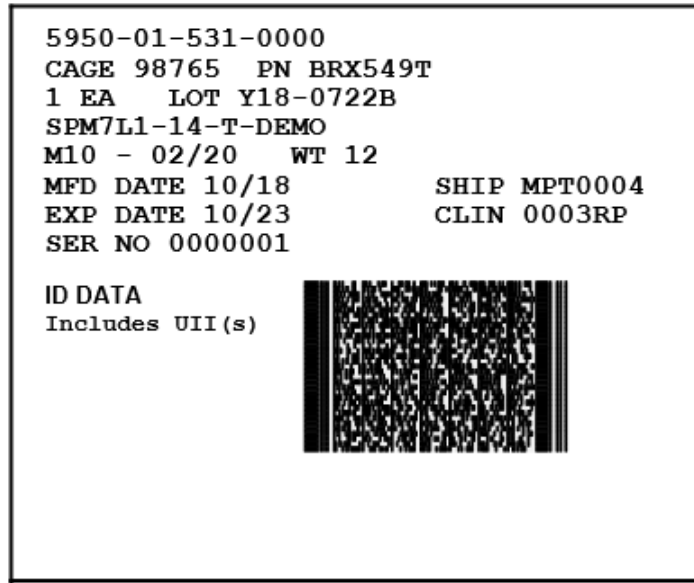


#### RP\_XC2DR - RFID Extr Cntr with Shipment & CLIN [4"x6" RFID]

The RFID variant of the RP\_XC2D is pictured at right. As with the RP\_XC2D, the statement "Includes UIIs" is present only when the 2D symbol includes UII data.

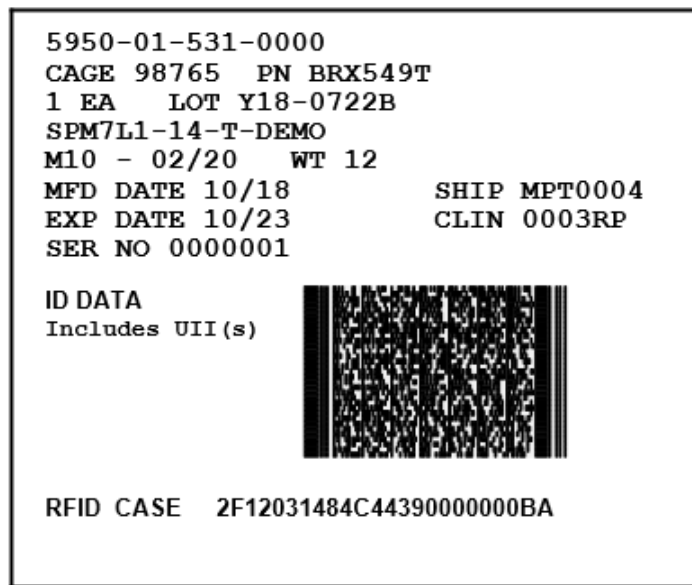
**RP\_XC2DSN – Compact Rev P (CN4) Extr Cntr with Single SN / UID [4"x3"]**

This label is a compact version of the Rev P (CN4) RP\_XC2D Exterior Container with Shipment and CLIN, reduced in size by limiting the number of UIDs and serial numbers to one. The statement "Includes UIIs" is present only when the 2D includes UII data.



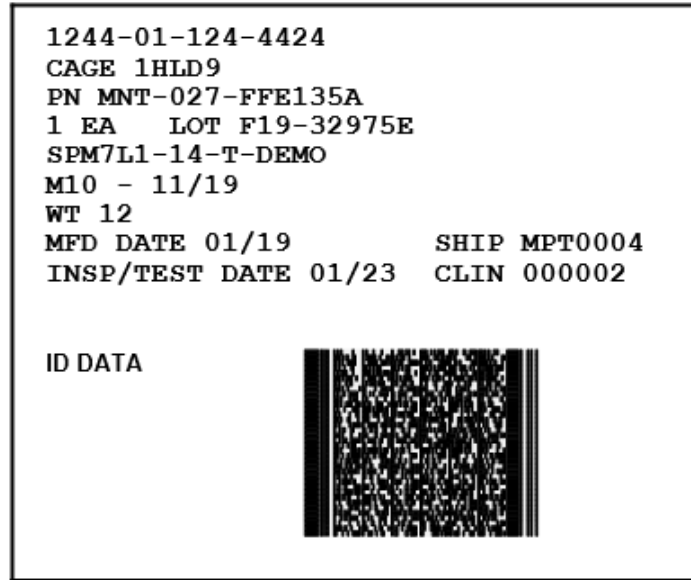
**RP\_XC2DSNR – Compact Rev P RFID Extr Cntr with Single SN / UID [4"x3" RFID]**

This label RFID variant of the RP\_XC2DSN above.



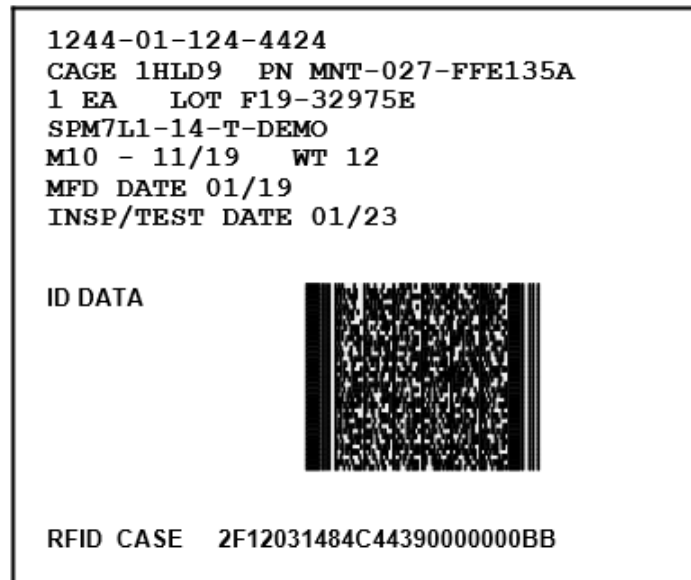
**RP\_XC2Dsm – Rev P (CN4) Exterior Container with Shipment & CLIN [4"x3"]**

This is a small version of the *RP\_XC2D Rev P (CN4) Exterior Container with Shipment & CLIN*. Its lack of serial numbers allows it to fit on a three-inch label rather than the six-inch label required by the 129XC2D.



**RP\_XC2DRsm – Rev P RFID Extr Cntr with Shipment & CLIN [4"x3" RFID]**

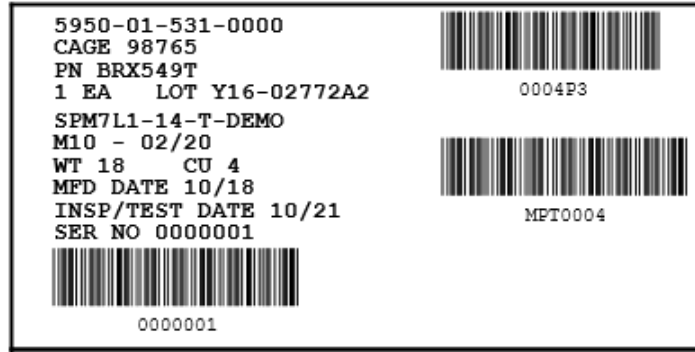
This is a RFID variant of the *RP\_XC2Dsm*, and Rev P variant of the 129XC2DR. Its lack of serial numbers allows it to fit on a three-inch label rather than the six-inch label required by the *RP\_XC2D*.



**Linear Exterior Container Formats (Superseded)**

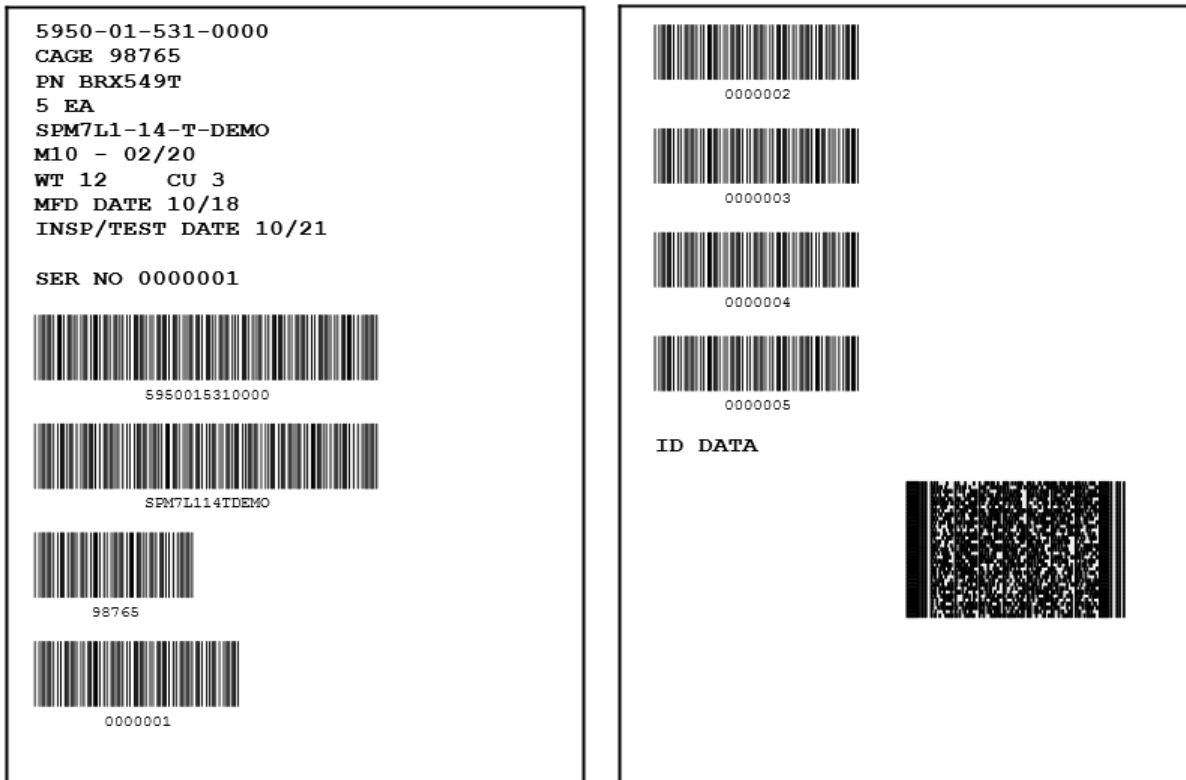
**129XCLP3 – MS-129P Extr Cntr with CLIN & Ship Barcodes [4"x2"]**

This exterior container label includes barcoded CLIN and Shipment Number data, the requirement for which was superseded by the introduction of PDF417 data symbols in Mil-Std-129 Revision P, Change Notice 4.



**129XCL4B – MS-129P Exterior Container [4"x6"]**

This set of two labels is compatible with Revision P, CN4. Revision R superseded use of separate linear NSN, Contract, CAGE and CLIN barcodes with a 2D PDF417, which was introduced in Rev P(CN4). See 129XC2D format. Note that the 2D symbol is included only when there is more than one serial number, requiring the continuation label. A separate 2D label is available if necessary.




## GSA Shipments - FED-123H Standard

GSA contract shipments to defense depots and activities require Mil-Std-129 labels. Otherwise, FED-123 labeling must be used.



### GSA-UCL - FED-123H Unit Container Label [4"x2"]

### GSA-ICL - FED-123H Intermediate Container Label [4"x2"]

The GSA Intermediate Container Label is the same as the GSA-UCL.

 <b>8110-00-753-4643</b> DRUM, SHIPPING 1 EA (35 GAL)  WT 14 CU 4
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### GSA-XCL - FED-123H Exterior Container Label [4"x6"]

PO Num	 <b>GSA02F0013P</b>
NSN	 <b>8110-00-753-4643</b>
DRUM, SHIPPING  4 EA (35 GAL)  WT 81 CU 11	
FROM: SUB SHIPPER COMPANY 3914 MURPHY CANYON RD, SUITE A-227 SAN DIEGO, CA 92123	
TO: W1BG DIST DEPOT SUSQUE DDSP NEW CUMBERLAND FACILITY 2001 NORMANDY DRIVE DOOR 113 TO 134 NEW CUMBERLAND, PA 17070-5002	

GSA-PUL-Ship - FED-123H Palletized Unit Load / Crate Label [8½"x11"]



GSA02F0013P



8110-00-753-4643

SHIP FROM:

SUB SHIPPER COMPANY  
3914 MURPHY CANYON RD  
SAN DIEGO, CA 92123

SHIP TO:

W1BG DIST DEPOT SUSQUE  
DDSP NEW CUMBERLAND  
2001 NORMANDY DRIVE  
DOOR 113 TO 134  
NEW CUMBERLAND, PA 17070

PIECES 8

WT 241

CU 30

## Revisions

- 2019-10-15      Removed colon after field legends IAW MS-129R  
                    Moved LOT NUM to deconflict long values with PIIN-SPIIN/PIID
- 2019-11-02      Made the CU caption optional, only prints when Cube is entered  
                    Added and/or formalized four compact exterior container formats:
- o 129XC2Dsm the Compact Exterior Container format
  - o 129XC2DRsm as Compact RFID Case (RFID variant of 129XC2Dsm)
  - o 129XC2DSN as Compact Exterior with Single SN/IUID
  - o 129XC2DRSN as its RFID variant
- 2020-02-14      Added the 129XCLP3 format (MS-129P Extr Cntr with CLIN & Ship Barcodes)  
                    Added GSA and Revision P Variant formats to this document