BRADY DOD UID WHITEPAPER

PART 2: HOW TO IMPLEMENT A COMPLIANT DOD UID SYSTEM

Brady DoD UID Whitepaper
Part 2: How to Implement a Compliant DoD UID System
Learn about processes, systems and materials needed for a compliant DoD UID program

This whitepaper is the second portion of our DoD UID whitepaper series. In Part 1, you learned what the DoD UID's program is and the 5 steps to a compliant DoD UID system.

In this whitepaper, you'll learn how to put all the information together that you've learned thus far, and how to move forward with the implementation of a compliant DoD UID system.

Putting It All Together: Creating Your DoD UID Label

Let's take a look at how to put together a DoD UID label, given the following example.

Company "A" does not have unique serial numbers; therefore they must use Construct #2. Construct #2 will be used, so then they may include their part number, in order to create a unique UII.
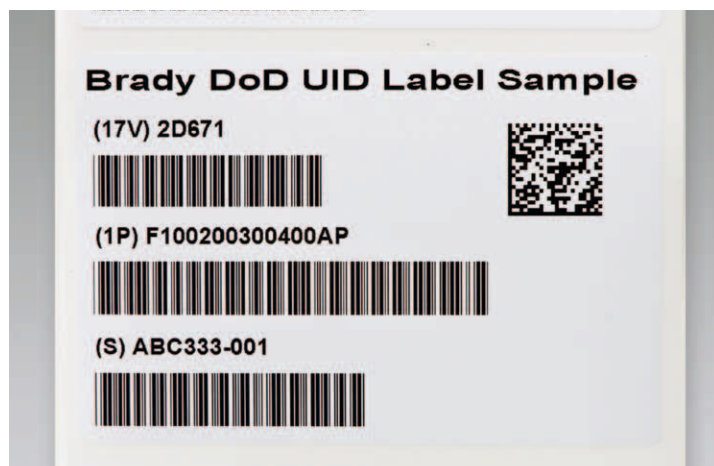
For Construct #2, Company "A" needs:
- Issuing Agency Code
- Enterprise Identifier
- Part Number
- Serial Number

The Issuing Agency that assigned Company "A" their Enterprise Identifier was Allied Committee 135. Knowing this, we have the following information.
- Issuing Agency Code: D
- Enterprise Identifier: 2D671
- Part Number: F100200300400AP
- Serial Number: ABC333-001

Remember that the Issuing Agency Code does not need to be marked on the item.

USING DATA IDENTIFIERS DI- FORMAT 06-

First Linear Bar Code:
The Data Qualifier for the Enterprise Identifier (17V)

Second Linear Bar Code:
The Data Qualifier for the Part Number (1P)

Third Linear Bar Code:
The Data Qualifier for the Serial Number (S)

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Formulating the Message Syntax:

(This is put together in formulas in a template, such as in CodeSoft™ Labeling Software)

[)>RS 06GS 17V2D671GS 1PF100200300APGS SABC333-001RS EOT

When you add the Issuing Agency Code, the concatenated UII is:

D2D671F100200300APABC333-001

This Concatenated UII is encoded into the 2-D Data Matrix, towards the right-hand side of the label.

Now you can see that the specific Data Qualifiers tell the imaging device which piece of information is being read.

Example: 17V indicates the Enterprise Identifier

The IUID Registry: How to Submit Your Data

The IUID Registry is located at https://www.bpn.gov/iuid/. UIIs and other pertinent information are stored in the IUID Registry, which is maintained by the Defense Logistics Information Service.

According to DFARS 252.211-7003, the Contractor reports at the time of delivery the following information:
- Concatenated UII or an IUID Equivalent.
- Unique Item Identifier Type
- Issuing Agency Code
- Enterprise Identifier
- Original Part Number
- Lot or Batch Number
- Current Part Number
- Current Part Number Effective Date
- Serial Number

- Unit Acquisition Cost
- Unit of Measure
- Description[1]

How is Data Submitted?

Options include:
- Wide Area Work Flow (WAWF)
- XML or Flat File through Global Exchange Service (GEX)
- Manually at https://www.bpn.gov/iuid

For more information on submitting data to the IUID registry, please visit the IUID website at http://www.acq.osd.mil/dpap/pdi/uid.

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1   "DFARS Clause 252.211-7003," August 2008, http://www.acq.osd.mil/dpap/dars/dfars/html/current/252211.htm#252.211-7003.

Finding Your System: Brady's DoD UID Systems

Brady offers several DoD UID Systems that provide users with the ability to:

- Create and print labels for UID compliance
- Read and validate UII constructs on labels
- Verify and grade UID labels.

To make it simple, Brady has created a variety of Brady DoD UID System packages, so you can have everything you need for DoD UID compliance.

Brady DoD UID System - Ultimate

Catalog #: BP-UID-6X-CR3-SV

- Bradyprinter™ PR Plus 600 dpi Printer
- Brady360® Preferred 3-Year Comprehensive Care Plan
- CodeSoft™9 Enterprise RFID Software
- Code Reader 3500™ with Bluetooth, Bluetooth Modem and Charging Cradle
- Microscan LDP Compliance Verifier
- Brady DoD UID System On-Site Training – Two Days

Brady DoD UID System - Advanced

Catalog #: BP-UID-6IP-CR3-SV

- Brady IP™ 600 dpi Thermal Transfer Printer
- Brady360® Preferred 3-Year Comprehensive Care Plan
- CodeSoft™9 Enterprise RFID Software
- Code Reader 3500™ with Bluetooth, Bluetooth Modem and Charging Cradle
- Miscroscan LDP compliance Verifier
- Brady DoD UID System On-Site Training – Two Days

Brady DoD UID System - Standard

Catalog #: BP-UID-3IP-CR12 (300 dpi printer)
*   BP-UID-6IP-CR12 (600 dpi printer)*

- Brady IP™ Thermal Transfer Printer
- Brady360® Preferred 3-Year Comprehensive Care Plan
- CodeSoft™9 Enterprise RFID Software
- Code Reader 1200™ with 6" USB Cable
- Brady DoD UID System On-Site Training – Two Days

Brady DoD UID System - Verifier

Catalog #: BP-UID-SV

- Microscan LDP Compliance Verifier
- Brady DoD UID System On-Site Training- One Day

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Brady DoD UID System: Suggested Materials

According to MIL-STD-130N, UID identification is to be as permanent as the life of the item being identified.19 Brady offers a variety of label materials that offer outstanding performance in any environment. Suggested materials are listed below. Other materials are available for UII labeling. Please contact Brady to find the label material to meet your UID labeling needs.

View Brady's DoD UID label materials by visiting www.BradyID.com/uid.

Brady B-489 Matte White Polyester Thermal Transfer Printable Label Stock
- Ultra Aggressive Adhesive
- Recommended Ribbon: R4300 Series

Part Number	Dimensions (inch)	Ribbon/IP Ribbon
THT-59-489-10	1.00" W x 0.500" H	R4306/IP-R4306
THT-17-489-3	2.00" W x 1.00" H	R4302/IP-R4302
THT-19-489-1	3.00" W x 2.00" H	R4300/IP-R4300

*other sizes available

Brady B-457 Glossy White Thermal Transfer Printable Polyimide Label Stock
- Great for printed circuit board and electronic component preprocess labeling
- Recommended Ribbon: R6000 Series

Part Number	Dimensions (inch)	Ribbon/IP Ribbon
THT-13-457-10	1.250" W x 0.250" H	R6002/IP-R6002
THT-48-457-10	2.00" W x 0.250" H	R6000/IP-R6000
THT-59-457-10	1.00" W x 0.500" H	R6006/IP-R6006

*other sizes available

Brady B-483 Glossy White Thermal Transfer Printable Label Stock
- Ultra aggressive adhesive
- Recommended Ribbon: R6000 Series or R4900 Series

Part Number	Dimensions (inch)	Ribbon/IP Ribbon
THT-59-483-10	1.00" W x 0.500" H	R4306/IP-R4306
THT-17-483-3	2.00" W x 1.00" H	R6000/IP-R6000
THT-19-483-1	3.00" W x 2.00" H	R6002/IP-R6002

*other sizes available

Brady B-593 Polyester Raised Panel Thermal Transfer Printable Label Stock
- Ultra aggressive adhesive
- Cost-effective alternative to engraved legend plates
- Recommended Ribbon: R6000 Series or R4400 Series

Part Number	Dimensions (inch)	Ribbon/IP Ribbon
THTEP-173-593-.5	2.00" W x 1.00" H	R6000/IP-R6000
THTEP-176-593-.5	3.00" W x 1.00" H	R6002/IP-R6002
THTEP-174-593-.5	4.00" W x 1.00" H	R6007/IP-R6007

*other sizes available

Brady B-966B Clear Polyester Overlaminate
- For that extra abrasion and solvent resistance

Additional resources and information on DoD's UID program may be found at:
http://www.acq.osd.mil/dpap/pdi/uid/index.html.

For more information about UID compliance and Brady's DoD UID system, visit:
www.BradyID.com/UID.

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1-888-272-3946
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Canada
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www.BradyCanada.ca

Mexico
1-800-262-7777
www.BradyLatinAmerica.com

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