



1-800-627-3917

sales@camcod.com

UID GUIDE AND DATA SUBMISSION INSTRUCTIONS

A Unique Identification (UID) label is one that includes a Unique Item Identifier (UII), which is a set of data elements marked in a Data Matrix ECC 200 symbol.

UII Construct

There are two possible Constructs available:

- **Construct 1** is used if the serial number is unique within the enterprise. In this case the UII will consist of the *Enterprise Identifier* and a *Serial Number*. Although a Part Number is never included in the UII of a Construct 1 design, it may be included in the data matrix code at the end of the UII data string, in a separate data matrix code, or on a supplemental label.
- **Construct 2** is used if the Serial Number is unique within the Original Part, Lot or Batch Number. This UII will consist of the *Enterprise Identifier* with an *Original Part, Lot or Batch Number* and a *Serial Number*.
- In addition to these two Constructs, the data set may also be a DoD recognized IUID Equivalents.

Format Headers

There are three Format Headers available depending on the Data Qualifier being used:

- **Format 12 (previously Format DD) (ATA CSDD)** is used with **Text Element Identifiers (TEI)**.
- **Format 06 (ISO/IEC 15434)** is used with **Data Identifiers (DI)**.
- **Format 05 (ISO/IEC 15434)** is used with **Application Identifiers (AI)**.

Refer to the current version of [MIL-STD-130](#) and [DoD Guide to Uniquely Identifying Items](#) for more detailed information on IUID Guidelines.

Data Submission

The following guidelines **MUST** be followed when submitting variable data to Camcode. Please refer to [FIGURE 1](#) for a typical UID label layout.



Figure 1 – Typical UID Label Layout

- 1) Data should be supplied in a Microsoft® Excel spreadsheet
- 2) Each entry should be in a single cell. DO NOT split information between cells.
- 3) Enter label data as follows. Refer to FIGURE 2:
 - a. All label information should be in one ROW with each item in a separate column.
 - b. The first row (Row 1) should be used as a header to identify the data by column and should include the preferred prefix to be used in the human readable text (i.e. CAG, MFR, PNR, Part No., SER, Serial Number, etc.). If no preference is shown, established standard notations will be applied.
 - c. The **Enterprise ID** information will be in the first column (Column A) and should be identified in the header according to the Issuing Agency Code (i.e. CAGE, DUNS, DoDAAC etc.).
 - d. The **Part Number** information will be in the second column (Column B). When selecting a Construct 1 format label, this column should be left blank.
 - e. The **Serial Number** information will be in the third column (Column C).
- 4) The UII data may only contain uppercase English alpha characters A thru Z, numeric characters 0 thru 9, and the special characters “/” and “-“.
- 5) The current character length limits* (excluding syntax codes and data qualifiers) are as follows:
 - The concatenated UII is 50 characters total max.
 - The Enterprise ID is 13 characters max.
 - The Part Number is 32 characters max.
 - The Serial Number is 30 characters max.
 - The Serial Numbers for TEI’s are 15 characters max.

*Refer to ANS MH 10.8.2 for AIs and DIs, and to ATA CSDD for TEIs, for specific limitations on field lengths.

	A	B	C
1	Enterprise ID IAC is CAGE (CAG)	Part Numbers (PNO)	Serial Numbers (SEQ)
2	12345	12345678901234	00001
3	12345	12345678901234	00002
4	12345	12345678901234	00003
5	12345	12345678901234	00004
6	12345	12345678901234	00005
7	12345	12345678901234	00006
8	12345	12345678901234	00007
9	12345	12345678901234	00008
10	12345	12345678901234	00009
11	12345	12345678901234	00010
12			

NOTE: Row 1 shows the header information for each column including the preferred text prefixes in parenthesis.

HUMAN READABLE INFORMATION WITH DATA IDENTIFIERS FOR CAGE CODE, PART NUMBER AND SERIAL NUMBER

CAG 12345
PNO 12345678901234
SEQ 0001

UII CONSTRUCTION IS FORMAT CODE 12 - CONSTRUCT 2 DATA MATRIX BARCODE READS
 "()^R_s12^S_sCAG 12345^S_sPNO 12345678901234^S_sSEQ 0001^R_s^E_s^O_r"
 (RED TEXT IS CONTROL CHARACTERS USING FORMAT 12 OF ISO/IEC 15434 SYNTAX)

Figure 2 – UID Data File and Label Layout