US Department of Defense MIL-STD 130

The MIL-STD 130 is used by the US Department of Defense (DoD) in the implementation of Machine Readable Information for item identification marking and automatic data capture. The DoD requires that contractors include a two dimensional (2D) Data Matrix bar code on their shipping labels. Encoding information in the Data Matrix bar code enables the DoD to capture and access information automatically with minimal user intervention and no manual data entry required.

The DoD requires that a Unique Item Identifier (UII) be used for items that cost over $5,000.00, are managed by a serial number, are considered mission critical, are part of controlled inventory or are consumables or materials where permanent identification is necessary.

Most items provided to the DoD require a unique serial number that can never be duplicated by the contractor or any other supplier. Supplier ID numbers (CAGE codes), part numbers and other data can be used to create unique serialization.

There are several acceptable ways to construct the UII but all require that the information be expressed in a Data Matrix bar code with Error Correction Code 200 (ECC200). There are exact specifications on the element size for this Data Matrix, resulting in a finished symbol size of only about one half inch square.

The MIL-STD 130 label must include a 2D Data Matrix bar code, a CAGE code, serial number, part number and other data elements to construct a UII that must last the expected life of the product being labelled.

EASYLABEL 5 can help you automatically create a DoD compliant 2D Data Matrix bar code using the ECC200 error correction. Tharo Systems Inc. also has created DoD templates that are available for download at no charge. Feel free to download a Demo copy of EASYLABEL 5 and the DoD templates from the download page of our website: www.tharo.com.

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(S) SERIAL 9Y4U2B

(1P) SPLR PART ABC12000-34