

## Commercial Aerospace Requirements

### **10 Commandants for Permanent Part Marking**

- 1) Human readable text with every bar code or other AutoID data
- 2) Social Security Number concept required on every marked part, and the label or mark lasts the life of the part.
- 3) Minimum Traceability Data required when every part is marked
- 4) Parts marked with intelligent data – no naked or unintelligent data
- 5) Data in bar code (or other AutoID) matches identically with the human readable so there is no confusion whether the data is machine input or manually input. This allows for automated and non-automated process, systems, and companies to transition simply to new solutions at the lowest cost.
- 6) Data is collected, transmitted, and stored with the absolute minimum of interpretation, translation, or conversion by either people or systems.
- 7) Easy adaptability of the data and the processes to legacy systems as well as to newer ERP systems (e.g., SAP) and web-based systems of the future that will utilize XML-formatted data.
- 8) Standard, non-proprietary bar code equipment that is available from multiple vendors worldwide.
- 9) Avoid need for specialized software that is unrelated to the core business function.
- 10) Speed and flexibility to have standards adapt at the speed of business.