
STANDARD 4.2.1-1

IDENTIFICATION MARKING

Prepared by

UTC Aerospace Systems
Interiors
Fairfield, CA 94533

CAGE Code 17610

ORIGINAL DATE: UNKNOWN

THIS DOCUMENT IS THE PROPERTY OF UTC AEROSPACE SYSTEMS. YOU MAY NOT POSSESS, USE, COPY OR DISCLOSE THIS DOCUMENT OR ANY INFORMATION IN IT, FOR ANY PURPOSE, INCLUDING WITHOUT LIMITATION, TO DESIGN, MANUFACTURE OR REPAIR PARTS, OR OBTAIN ANY GOVERNMENT APPROVAL TO DO SO, WITHOUT UTC AEROSPACE SYSTEMS' EXPRESS WRITTEN PERMISSION. NEITHER RECEIPT NOR POSSESSION OF THIS DOCUMENT ALONE, FROM ANY SOURCE, CONSTITUTES SUCH PERMISSION. POSSESSION, USE, COPYING OR DISCLOSURE BY ANYONE WITHOUT UTC AEROSPACE SYSTEMS' EXPRESS WRITTEN PERMISSION IS NOT AUTHORIZED AND MAY RESULT IN CRIMINAL AND/OR CIVIL LIABILITY.

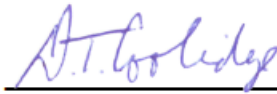
This document or file does not contain any export controlled technology or technical data.

xClass = 5043543

****Printed copies are considered UNCONTROLLED – Verify current issue before use.****

APPROVAL SIGNATURE PAGE

IDENTIFICATION MARKING



D. T. Coolidge
Manager, Engineering



for
M. Walker
Interim Manager, Operations

Printed copies are considered UNCONTROLLED – Verify current issue before use.

REVISIONS

[illegible]

****Printed copies are considered UNCONTROLLED – Verify current issue before use.****

Standard 4.2.1-1(K)

| PARAGRAPH | CHANGE DESCRIPTION |
|---------------------|---|
| Throughout document | Is: UTAS Was: Goodrich/UPCO |
| Table | Revised table to allow the use of an ink marking machine. |

Printed copies are considered UNCONTROLLED – Verify current issue before use.

IDENTIFICATION MARKING

1. SCOPE

This document describes marking methods to be used, when required, to identify any material, part, assembly or system produced or procured by UTAS. All marking methods shall be subject to the following requirements:

- (a) Marking shall be legible.
- (b) Marking shall not damage parts or adversely affect intended use.
- (c) Permanent marking shall not be placed on bearing surfaces or within 1/32 inch of any edge, fillet or corner.
- (d) Letter or number height shall be 1/16 inch, minimum, unless otherwise specified on drawing.
- (e) Marking format shall consist of the part number, dash number (if applicable) and revision letter, e.g. 60615-1A, 12350100-1B.
- (f) If required, part shall be permanently serialized. A serial number shall consist of the purchase order number with a dash and a 4 digit sequential number starting with -0001.

****Printed copies are considered UNCONTROLLED – Verify current issue before use.****



UTC Aerospace Systems

Standard 4.2.1-1(K)

| CODE | MARKING TYPE | METHOD |
|------|---|---|
| A | INK MARKING | Mark using black permanent ink using marking pen, rubber stamp, machine marking, etc.. When marking on dark materials use white permanent ink |
| B | RUBBER STAMP OR MARKING PEN - PROTECTED | Mark as in Code A except apply protective overcoating of clear sealant. |
| C | TAG | Mark on tag by any suitable means and attach to part. (Use when direct marking is impractical or undesirable.) |
| D | BAG AND TAG | Mark directly on bag or on tag attached to bag using any suitable method. |
| E | VIBRA-TOOL | Mark, using electric vibra-tool, to a maximum depth of 0.005 inch. (Do not use on notch-sensitive material.) |
| F | ELECTROLYTIC ETCH | Mark using electrolysis method confined by prepared stencil. Maximum etch depth shall be 0.005 inch on materials to 0.100-inch thick, and 0.002/0.005 inch on materials over 0.100-inch thick. (Use on conductive material only.) |
| G | IMPRESSION | Mark by material displacement method, e.g. steel stamping or pressing. Maximum impression depth shall be 0.010 inch. (Do not use on notch sensitive material.) |
| H | CONTAINER | Identify container using stencil method, marking pen, or prepared label. |
| I | INTEGRAL RAISED | Mark by molding, casting or forging. Character height (raised) shall be 0.100 ± 0.030 inch. |
| J | INTEGRAL DEPRESSED | Same as I except character <u>depth</u> shall be 0.100 ± 0.030 inch. |
| K | OPTIONAL | Mark per code A, B, E or F – optional |

Printed copies are considered UNCONTROLLED – Verify current issue before use.

Standard 4.2.1-1(K)

| CODE | MARKING TYPE | METHOD |
|------|------------------------------------|---|
| L | LABEL-PRESSURE SENSITIVE OR BONDED | Mark on label and apply to part. Reference label drawing, if applicable. |
| M | CRITICAL FINISH | Wrap each item in suitable protective packaging material and apply marking to package by the referenced marking code or, if no code is reference, by a method that will not damage the item. (Use on parts with critical or delicate finishes.) |
| N | LASER MARKING | Permanently mark each part with a laser, to a maximum depth of 0.005 inch. |
| O | CNC ENGRAVE/ PAINT | CNC Engrave characters, to minimum depth of 0.010-inch and fill with black oil-base paint; unless color is otherwise specified. (Example: NOTE...CODE o, RED.) |
| P | VIBRA-TOOL/ PAINT | Mark, using electric vibra-tool, to a maximum depth of 0.005 inch and fill with black oil-base paint; unless color is otherwise specified. (Example: NOTE...CODE P, RED.) (Do not use on notch-sensitive material.) |

Printed copies are considered UNCONTROLLED – Verify current issue before use.