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STANDARD 4.2.1-1

IDENTIFICATION MARKING

Prepared by

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CAGE Code 17610

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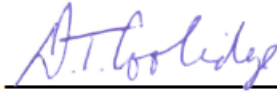
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APPROVAL SIGNATURE PAGE

IDENTIFICATION MARKING



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Interim Manager, Operations

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Standard 4.2.1-1(K)

REVISIONS

REV	DATE	CHANGE DESCRIPTION	RELEASE DATE
A	05/01/82	Refer to 4.2.1-1(A)	
B	07/01/83	Refer to 4.2.1-1(B)	
C	05/10/84	Refer to 4.2.1-1(C)	
D	01/08/87	Refer to 4.2.1-1(D)	
E	10/12/94	Refer to 4.2.1-1(E)	
F	06/20/96	Refer to 4.2.1-1(F)	
G	07/29/05	Refer to 4.2.1-1(G)	08/19/05
H	10/01/07	Refer to 2.4.1-1(H)	01/28/08
J	01/08/10	Refer to 2.4.1-1(J)	02/10/10
K	03/31/16	Refer to the following revision page.	04/29/16

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Standard 4.2.1-1(K)

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

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## 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.

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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

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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.)

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