BOMBARDIER

de Havilland
Material Specification

TITLE:	**COPPER, BUS BAR**
SPECIFICATION NUMBER:	**DHMS M2.22**
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Prepared by: Approved by:

SIGNED ORIGINAL ON FILE

Shiraz Haniff
Materials Technology

Kenneth Quon
Chief, Metals Technology

REVISION RECORD

Issue	Page	Description and Reason for Change
A		This is a complete revised issue. Detail changes have not been noted. Added reference to ASTM B152

1 SCOPE

This specification lists the commercial quality, copper alloys that are suitable for use as bus bar material in aircraft electrical systems.

2 APPLICABLE DOCUMENTS

The following documents form a part of this specification to the extent defined herein. In the event of conflicting requirements between this and the specifications listed below, the requirements of this specification shall govern. Where a specific issue of a document is not specified, the current issue shall be used.

2.1 American Society for Testing and Materials

ASTM B152- Standard specification for Copper Sheet, strip, plate, and rolled bar.

3 REQUIREMENTS

3.1 General

The material furnished under this specification shall conform to the requirements of ASTM B152,

3.2 Alloys - Any one of the following alloys series meeting the requirement of ASTM B152 may be supplied when copper material is ordered to this specification:

Acceptable alloys series: 101, 102, 104, 105, 107, 110, 113, 114 & 116.

3.3 Tempers - The material shall be supplied in either the soft annealed (060) or annealed (061) tempers.

3.4 Forms - The following forms of material are covered by this specification:

- sheet, strip, plate and bar (rolled).

4 PREPARATION FOR DELIVERY

Each form of material shall be line marked longitudinally on two of the largest faces with the alloy number, temper code. The colour of marking ink shall show good contact with the raw material colour.

The marking character height shall not be less than 3/8" high and the marking lines shall not be more than 12" apart.