

CONNECTOR PROCEDURES

1.0 **INTRODUCTION**

1.1 This procedure provides specific instructions for the mating and demating of flight connectors at MIT/CSR.

2.0 **SCOPE**

2.1 This procedure applies to all flight connectors, including electrical and fiber optic.

3.0 **GENERAL**

3.1 Connector savers shall be used, when available, on flight connectors, when more than fifty (50) mate or demate operations are likely.

4.0 **PROCEDURE**

4.1 Electrostatic protection procedures shall be observed as applicable.

4.2 Persons mating and demating flight connectors must understand the mechanical mating/demating method of the specific connector, before starting the actual mating or demating process.

4.3 Each half of each flight connector shall be examined for cleanliness, particulate contamination, and alignment before mating.

4.4 Dust caps must be used on all flight connectors and connector savers when the connector is not mated. Insure that the dust cap is clean, both inside and outside. Store unused dust caps for flight connectors in a clean zip-lock bag.

4.5 Each mate and each demate of a flight connector shall be recorded in the mate/demate log. This applies to connectors inside the equipment as well as external connectors. This also applies when flight connectors are mated with and demated from connector savers as well as other flight connectors.

5.0 **FORMS**

5.1 Attachment 1 is the mate/demate log to be used as a record of connector activity.