

INTEGRATED DIGITAL SERVICES TERMINAL

METALLIC ACCESS CONTROLLER CARD

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1. GENERAL

1.01 This practice provides information about the IDST Metallic Access Controller (MAC) card (part number 090-57001-01).

1.02 Whenever this practice is reissued, the reason for reissue will be given in this paragraph.

1.03 The MAC card resides in the MAC slot of the IDST Metallic Test Access Shelf.

2. DESCRIPTION

2.01 Figure 1 is a block diagram of the MAC card. The MAC card provides the control for the MAR cards in the MTA Shelf. The S1DN interface converts the control signals from the S1DN to digital levels. The operating program for the microprocessor is stored in the processor memory. The MTA configuration (number of channel units equipped, etc.) is also stored in the processor memory.

2.02 The microprocessor controls the MAC card and sends the required signals to all the MAR cards in the MTA Shelf. The status relays are activated as required to inform the S1DN of the MTA Shelf status (under test, failed, etc.). The MAC card also reports the status of the MTA Shelf via the serial communication controller to the MS cards in both Common Equipment Shelves.

3. COMMANDS

3.01 The ENT-EQPT command enters the MAC card into the IDST database as follows:

```
ENT-EQPT::MAC-1:<ctag>::[x]::;
```

where x is S1DN level 1 through 9.

3.02 The RST-EQPT command puts the MAC card in service as follows:

```
RST-EQPT::MAC-1:<ctag>::;
```

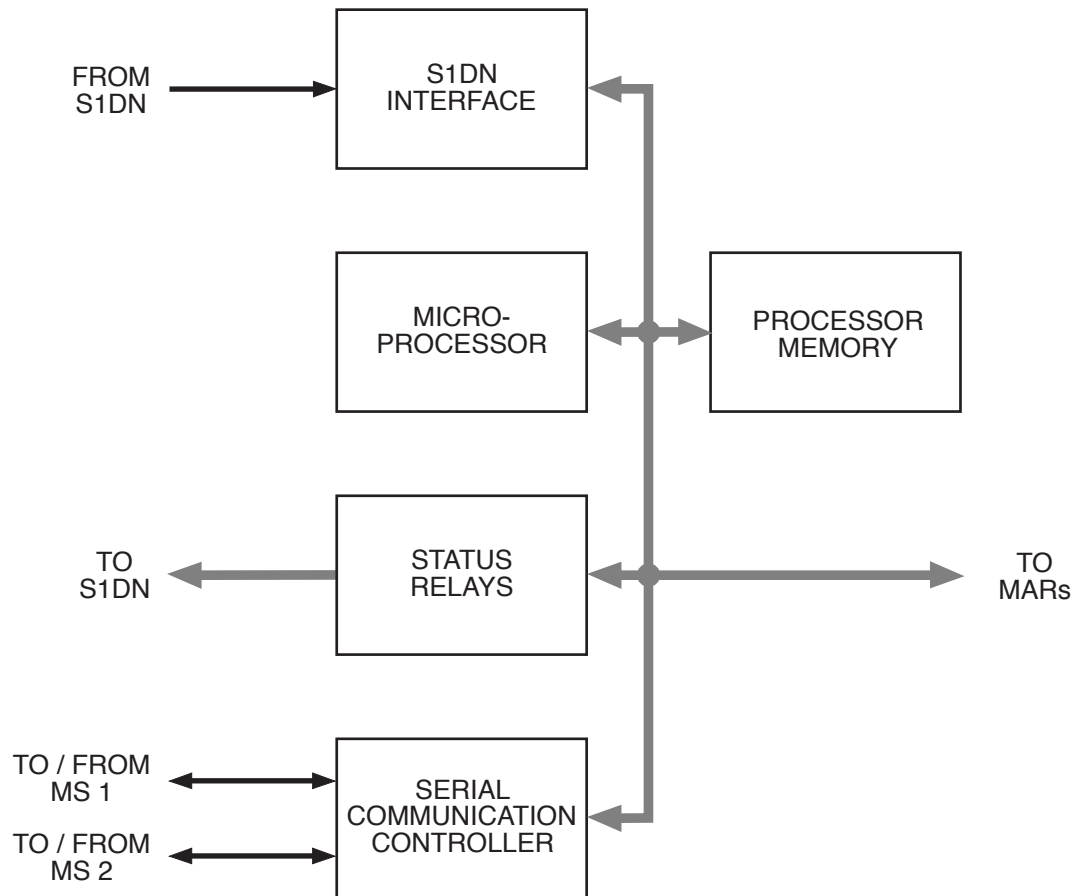
3.03 The RMV-EQPT command removes the MAC card from service as follows:

```
RMV-EQPT::MAC-1:<ctag>::  
[<mode>],;
```

where <mode> is NORM (default) or FRCD (forced).

3.04 The DLT-EQPT command deletes the MAC card from the IDST database as follows:

```
DLT-EQPT::MAC-1:<ctag>::;
```

**Figure 1. MAC Card Block Diagram**

4. FACEPLATE INDICATORS

4.01 Figure 2 is a drawing of the MAC card faceplate indicators.

5. CARD STRAPS

5.01 Figure 3 is a drawing of the MAC card straps, and their position for normal card operation. All strap positions other than the normal strap positions indicated in the figure are reserved for factory use.

Lamp that is lit green when the card is in the restored state, and is off when the card is not restored.

Lamp that is lit green when the card is ok, and lit red when the card has failed.

Note: If both lamps are off, the card has lost power.

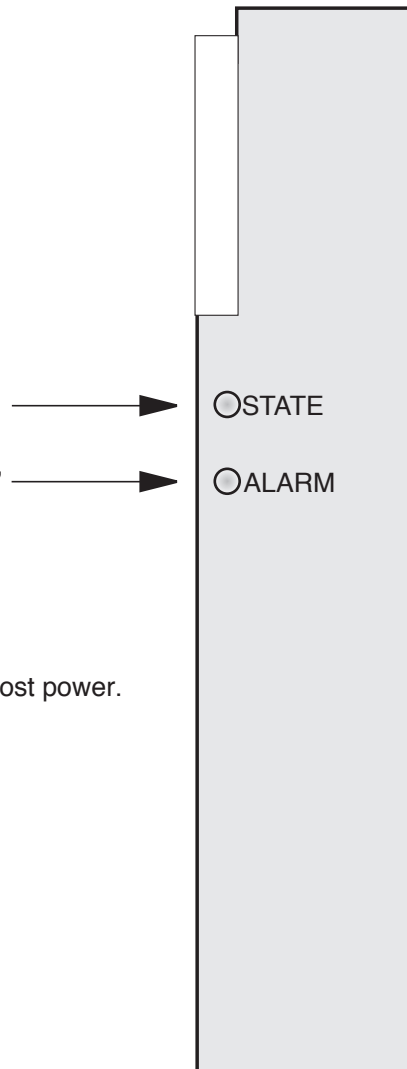
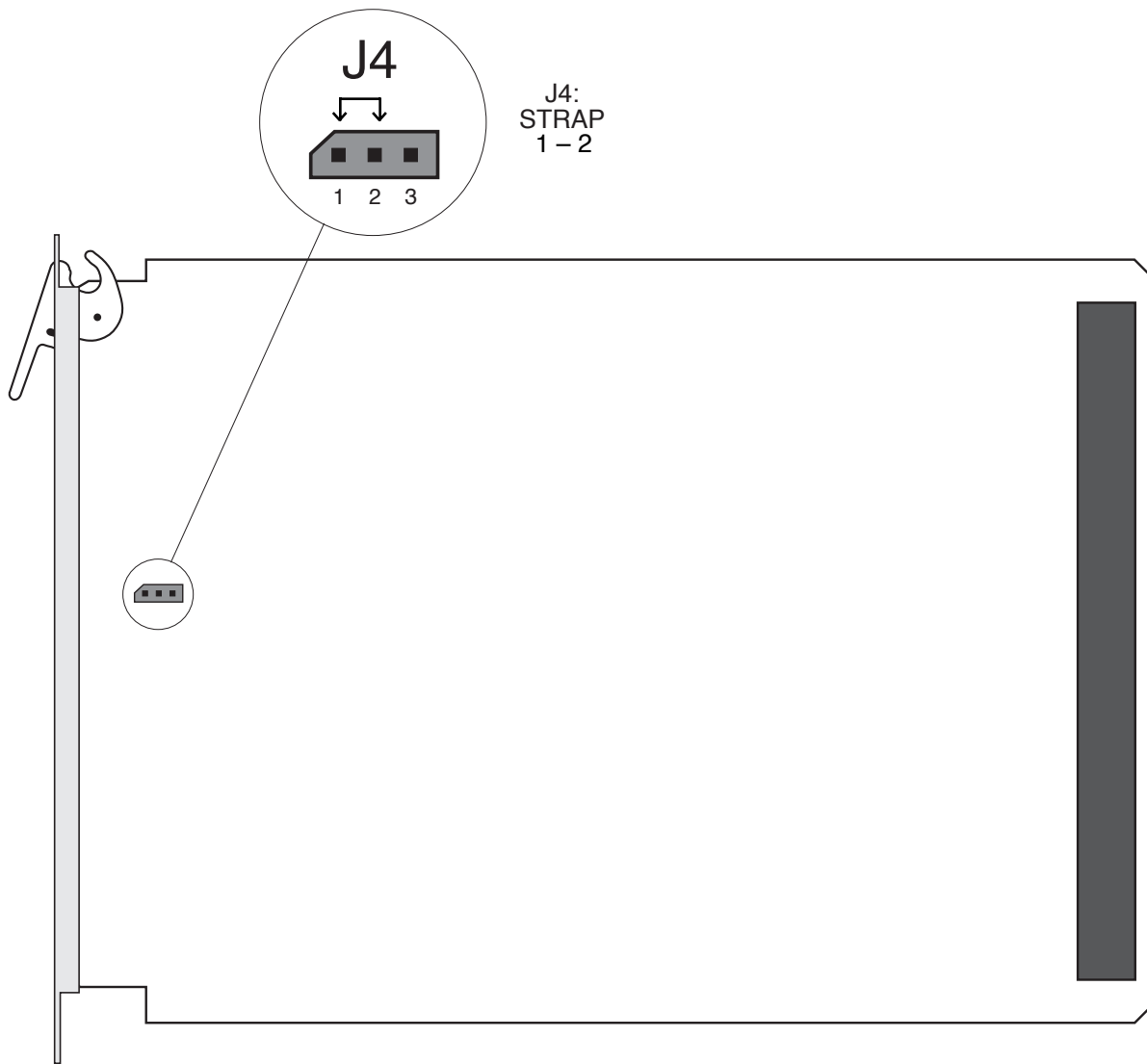


Figure 2. MAC Card Faceplate Indicators



Note: Straps are shown in normal operating position. Any change in strap position will affect the operation of this card.

Figure 3. MAC Card Straps