

**DATA SET 108A- AND C-TYPE  
SINGLE PRIVATE LINE STATION  
USING DATA AUXILIARY SET 820D-TYPE  
DESCRIPTION AND OPERATION**

**1. GENERAL**

**1.001** This addendum supplements Section 591-023-101, Issue 3.

**1.002** This addendum is issued for the following reasons:

- (a) To change the section title.
- (b) To include information pertaining to the use of data auxiliary set (DAS) 830C with the DAS 820D-type.

**2. CHANGES TO SECTION**

**2.001** On Page 1, change the first line of the title to read: DATA SET 108A- AND C-TYPE.

**2.002** On Page 1, add the following to paragraph 1.05: It can be arranged to provide either a voltage or neutral current interface. The voltage interface conforms to the Electronic Industries Association (EIA) Standard RS-232B.



***The neutral current interface DOES NOT conform to any technical reference interface specification.***

**2.003** On Page 1, add paragraph 1.06 as follows:

**1.06** The DAS 830C may be used with DAS 820D-type to provide a 3- or 4-wire, 20-mA neutral current interface to the data terminal. In this case, the DAS 820D-type must be arranged for the EIA interface. The DAS 830C interface to the data terminal conforms to the requirements of the technical references entitled 30-Baud Private

Line Channels Interface Specification and 45-, 55-, and 75-Baud Private Line Channels Interface Specification. For detailed information on the DAS 830C, refer to Section 598-083-103.

**2.004** On Page 5/6, change the first sentence of paragraph 3.01 to read as follows: A data set 108A- or 108C-type single private line station using DAS 820D-type will function on a voltage interface conforming to EIA Standard RS-232B or on a neutral current interface (see 1.05).

**2.005** On Page 7/8, Fig. 5, change the block reading CUSTOMER-PROVIDED TERMINAL OR TELETYPEWRITER to read as follows: TTY, CPT, OR DAS 830C (NOTE 5 AND 6).

**2.006** On Page 7/8, Fig. 5, add Note 5 as follows:

5. WHEN DAS 830C IS USED, THE AR17 CP ***MUST*** BE EQUIPPED WITH OPTION W (EIA INTERFACE).

**2.007** On Page 7/8, Fig. 5, add Note 6 as follows:

6. LEADS 1, 4, 5, 6, AND 12 ARE NOT USED BY DAS 830C. ONE END OF LEAD 8 IS CONNECTED IN THE DAS 830C CONNECTOR AND THE OTHER END IS TAPED AND STORED IN THE DAS 830C HOUSING.

**2.008** On Page 9, paragraph 3.04, add a Think paragraph as follows: ***The DAS 820D/AR17 CP current interface does not conform to any technical reference interface specifications.***

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**ADDENDUM 591-023-101**

**2.009** On Page 9, revise subparagraph 3.04(b) as follows [retain 3.04(a) as is]:

(b) **Receive:** This lead forms a receive loop through the 680-ohm selector magnet driver (SMD) of a TTY or the receiver portion of a CPT to the -24 volt supply of the DAS.

**2.010** On Page 9, change the Read paragraph following subparagraph 3.04(b) to a Caution.

**2.011** On Page 10, revise subparagraph 3.09(a) as follows:

(a) EIA or current interface (see 1.05).

**2.012** On Page 10, add the following at the end of paragraph 5.01:

CD- & SD-1D250-01 Data Systems Station—Data Auxiliary Sets 830A, 830B, & 830C-Type

**2.013** On Page 10, add the following at the end of paragraph 5.02:

598-083-103 Data Auxiliary Set 830C-Type—Description, Installation, and Test Procedures