

SUPPORT EQUIPMENT ENGINEERING DATA SHEET

Issued 2-15-61
Revised

1. PURPOSE:

The format described herein is recommended for use in presenting technical information on aerospace support equipment which is commercially available. It is similar to a form used by Air Force and Navy to describe support equipment now in military use.

Currently available literature or documentation on commercial support equipment is generally either too lengthy and detailed or too brief and vague to allow an engineer selecting support equipment for a support system to make an initial decision as to whether or not the equipment is acceptable for inclusion in the system. Furthermore, since there is no consistency in arrangement, size, or content in this literature, it is difficult to compile for ready reference.

It is intended that data sheets of the type described here would be prepared and distributed on a voluntary basis by manufacturers of aerospace support equipment to potential users of the equipment. It is similar to a form used by Air Force in MIL-HDBK-300, "Technical Information File for Ground Support Equipment" to describe support equipment now in military use.

2. APPLICATION:

Only the following equipment should be described with this format:

- (a) Aerospace support equipment which has been developed and which is available for immediate purchase and which is not already described in MIL-HDBK-300.
- (b) Functionally complete aerospace support equipment units or subsystems as differentiated from components and hardware items which form a part of the unit.

3. SCOPE:

This recommended practice describes the requirements for preparation of one format for presentation of engineering information on aerospace support equipment.

4. REQUIREMENTS:

4.1 Arrangement:

The data sheet shall consist of a single sheet printed front and back and arranged in the manner illustrated in Figure 1.

4.2 Size and Color:

The data sheet shall be printed on a durable white 8½ by 11 inch paper.



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Printed in U. S. A.

4.3 Content:

The information delineated in these sheets should be factual and complete; conveying a clear general concept of the equipment, its purpose, capabilities, limitations and technical specifications.

4.4 Identification Data:

4.4.1 Functional Class: Assign a functional class code number from the classes listed in Table I. This functional class will serve as an index to compiling the data sheets.

4.4.2 Item Name: The item name shall reflect the functional class to which the equipment belongs. Code names should not be used.

4.4.3 Type or Model Designation: This designation is optional and if used shall be consistent with the manufacturer's system of Type or Model designation.

4.5 Illustration: The illustration should be such as to provide the user of the data sheet with an unobstructed view of the equipment emphasizing its significant features. Photographs of the actual equipment should be used whenever possible. However, when necessary, artist's renditions or isometric drawings may be used. The illustration shall be large enough to serve the above purpose and yet allow room for a full functional description.

5. DISTRIBUTION:

It is recommended that data sheets prepared in accordance with this ARP be distributed to engineering personnel of the aerospace industry concerned with support equipment. Lists of industry recipients of MIL-HDBK-300 may be obtained by writing to Headquarters, Air Materiel Command, Wright-Patterson Air Force Base, Ohio, Attention: EWBFE. Support Equipment Engineering Data Sheets directed to this mailing list should be marked "FOR DISTRIBUTION TO HOLDERS OF MIL-HDBK-300 TECHNICAL INFORMATION FILE FOR GROUND SUPPORT EQUIPMENT."

6. DEFINITIONS:

6.1 Aerospace Support Equipment:

All equipment required to place the air or space vehicle into operation and to sustain its operation for a definite period of time and/or a definite number of cycles of operating periods. This includes equipment for launching, sheltering, maintenance, test and checkout, transport and handling equipment, fueling, cleaning and general servicing, ground guidance, communications, and ground data processing.

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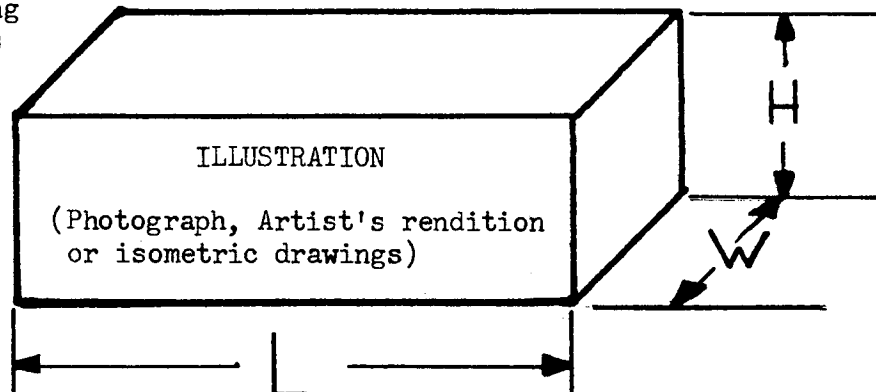
Functional Class (example: AA-1)

ITEM NAME (example: Digital Voltmeter)

Sheet Issued (date)

MFR'S TYPE OR MODEL
DESIGNATION☐ Manufacturer's Name
AddressMfr's Symbol or Trade
Mark, if desired

Punch 5 holes $\frac{1}{4}$ in.
diameter for 3 ring
and 2 ring binders



Weight

(Include approximate overall dimensions and weight)

FUNCTIONAL DESCRIPTION:

Give a brief functional description of the item.

This information shall be presented in paragraph form and shall describe specifically what the equipment does, what it is used for, what it is used with, and where it is used.

The description shall support the functional class assigned and include general operating and design characteristics.

Legend superimposed on 45°, 1/8 inch
spaced cross hatching

FIGURE 1

Face Page

SUPPORT EQUIPMENT ENGINEERING DATA SHEET

 $\frac{1}{4}$ 

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