DATA ITEM DESCRIPTION

Form Approved
OMB No. 0704-0188

TITLE	2. IDENTIFICATION NUMBER
ASSEMBLY AND SUBASSEMBLY MANUFACTURING QUALITY REPORT	DI-QCIC-80562

3. DESCRIPTION / PURPOSE

3.1 This report provides key product quality indicators developed during the manufacture of assemblies and subassemblies. It is used to assess manufacturing quality and to achieve reduced manufacturing costs through process control.

4 APPROVAL DATE (YYMMDD)	5. OFFICE OF PRIMARY RESPONSIBILITY (OPR)	6a. DTIC APPLICABLE	6b. GIDEP APPLICABLE
880408	N/CHENG-Q		

7. APPLICATION / INTERRELATIONSHIP

7.1 This data item description (DID) contains the format and content preparation instructions for that data product generated by the specific and discrete task requirement as delineated in the contract.

7.2 This DID is applicable to any contract for the manufacture of assemblies and subassemblies wherein the Government has imposed a quality program on the contractor.

7.3 This DID is related to DI-QCIC-80561, End Item Manufacturing Defect Reduction Report.

(Continued on Page 2)

8 APPROVAL LIMITATION	9a. APPLICABLE FORMS	9b. AMSC NUMBER
		N4375

J. PREPARATION INSTRUCTIONS

10.1 Format. The Assembly and Subassembly Manufacturing Quality Report shall consist of a Defect History Chart and a Defect Distribution Chart in the format of the example charts illustrated in Figures 1 and 2.

10.2 Content.

10.2.1 Defect history chart. The number of defects per unit (assembly and subassembly) shall be shown on the vertical axis and the number of each unit (assembly and subassembly) in chronological order of production from left to right shall be shown on the horizontal axis. The beginning date of the production period shall be shown at the upper left of the chart and the ending date shall be shown at the upper right. An upper control limit (UCL) shall be shown as a broken line parallel to the horizontal axis. The average (AVG) defects per unit (assembly and subassembly) shall be shown as a solid line parallel to the horizontal axis.

10.2.2 Defect distribution chart. The classes of defects shall be shown on the horizontal axis. The percentage of defects shall be depicted on the vertical axis. The percentage within each class for the reporting period shall be depicted by a cross-hatched vertical bar. The sum of the heights of the vertical bars shall be 100%. The cumulative percentage of defects since the start of the contract within each class shall be depicted by a plain vertical bar adjacent to the cross-hatched bar. The arrangement of the classes of defects shall be in descending order of cumulative frequency of occurrence from left to right on the horizontal axis.

(Continued on Page 2)

.. DISTRIBUTION STATEMENT

DISTRIBUTION STATEMENT A: Approved for public release; distribution is unlimited.

Block 7, Application/Interrelationship (Continued)

7.4 This DID supersedes UDI-R-20333B and UDI-R-23573.

Block 10, Preparation Instructions (Continued)

).2.3 Narrative summary. Each chart described in 10.2.1 above shall be accompanied by a narrative summary which contains the following:

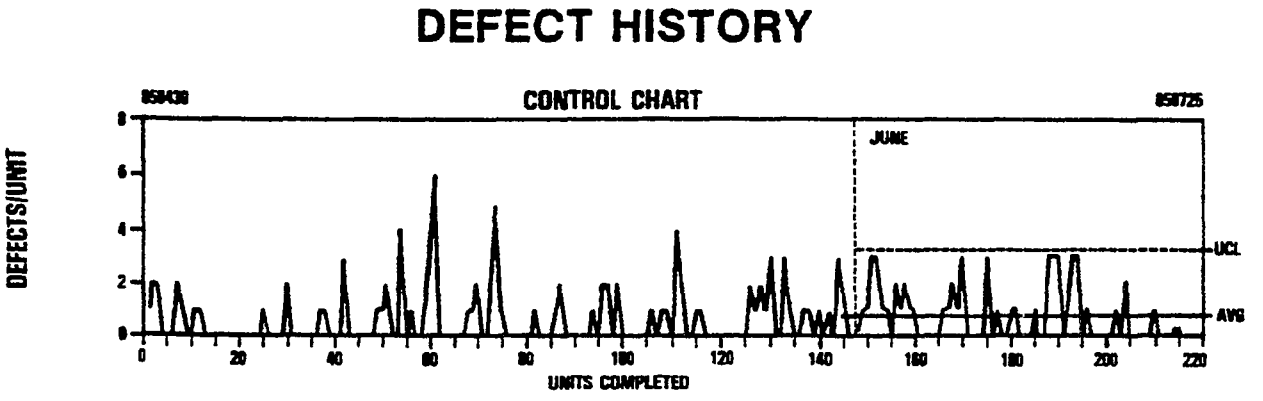
a. Identification of any area where the upper control limit (UCL) has been exceeded for the reporting period.

b. The cause for exceeding the UCL.

c. Action being taken to correct the cause.

d. The results of corrective actions taken during previous reporting periods if this problem was previously identified and persists into this reporting period.

Block 10, Preparation Instructions (Continued)



NOTE: The dates spanned by the production period shown are noted on the upper left and right corners of the chart. A simple average is superimposed for the reporting period (in this case, June 1985).

FIGURE 1. Example of defect history chart.

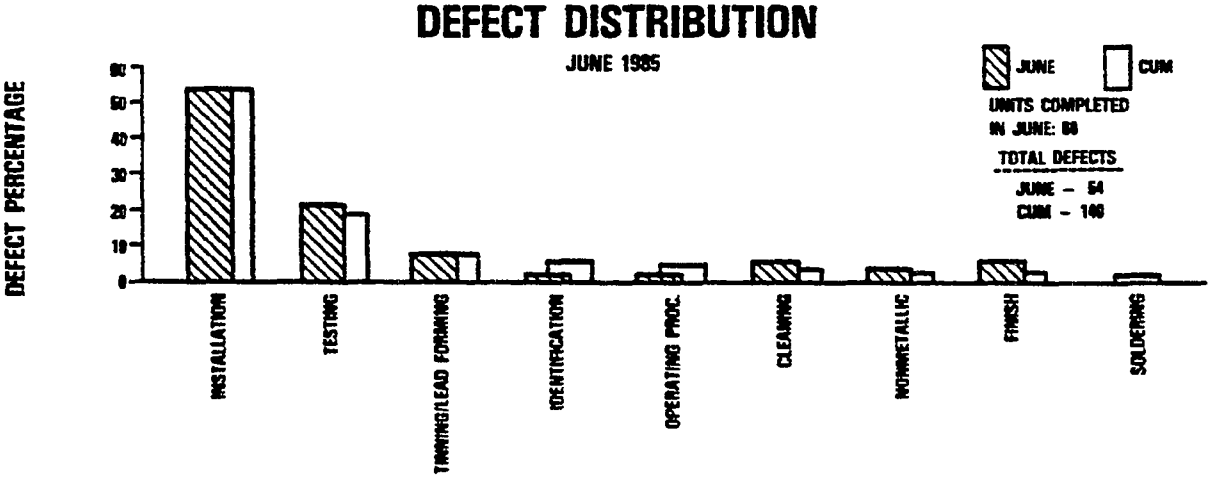


FIGURE 2. Example of defect distribution chart.

☆U.S GOVERNMENT PRINTING OFFICE: 1988 — 505-033/80033