

INCH-POUND

MIL-PRF-32052(CR)

AMENDMENT 1

6 October 2000

PERFORMANCE SPECIFICATION

BATTERIES, RECHARGEABLE, SEALED  
General Specification For

This amendment forms a part of MIL-PRF-32052(CR), dated 7 December 1999, and is approved for the Communications-Electronics Command, Department of the Army and is available for use by all Departments and Agencies of the Department of Defense.

PAGE 3

3.3.3, second line, delete “insulation resistance shall be less than 25 megohms” and replace with “insulation resistance shall be greater than 25 megohms”.

PAGE 4

3.4.4.1, insert the following after “(Charging Instructions)”:  
“(Preferred charging method)  
(Alternate charging method)”

PAGE 6

Add as new paragraph:

“3.5.4 Cell leakage. Individual cells used in the batteries shall be free of electrolyte leakage indicated by presence of liquid, or white or brown deposits or the smell of ether at the vent or closure areas of the cells. The seals between cell terminals and cell covers shall be so constructed that the batteries assembled from these cells shall be capable of meeting the electrical leakage requirements and the cycle life requirements on the applicable specification sheet.”

MIL-PRF-32052(CR)  
AMENDMENT 1

PAGE 8

3.15e, delete “Cell leakage (3.5.3)” and replace with “Cell leakage (3.5.4)”.

3.16.2, add to end of paragraph:

“ The device shall prevent charging and discharging of the battery.”

PAGE 10

Table II, insert the following between Cell balance and Cell overcharge:

“Cell leakage            3.5.4            Visual            All”

PAGE 12

4.4.2.3.2, delete second sentence in its entirety and replace with: “ The cell shall be completely discharged.”

PAGE 14

Table VI, Overcharge requirement, delete “3.12” and substitute “3.11”.

PAGE 15

4.5.5.1, second sentence, delete in its entirety and replace with: “The sensitivity of the voltmeter shall be at least 10 megohms per volt.”

PAGE 16

4.7.1.1, add to the end of the paragraph: “Repeat this test for 10 cycles. The battery shall then be discharged and meet the overcharge test of the applicable specification sheet. The battery shall be examined to insure compliance with all requirements of 3.11.”

MIL-PRF-32052(CR)  
AMENDMENT 1

PAGE 17

4.7.5, delete last sentence in its entirety and replace with: “The subsequent discharge capacity shall be as specified on the applicable specification sheet (see 3.1).”

4.7.6a, delete in its entirety and replace with:

“4.7.6a. Cycle 1 – Charge per 4.7.1, discharge as specified on the applicable specification sheet to the discharge specified by the final voltage specified on the applicable specification sheet.”

4.7.6b delete first sentence and replace with:

“b. Cycles 2-26 – Charge at  $C/2$  or higher for 2 hours per 4.7.1.2, discharge at the rate specified on the applicable specification sheet for a minimum of 100% of initial discharge capacity and shall continue until the battery internal circuit cuts off.”

PAGE 20

4.11.2, delete last sentence and substitute:

“The battery shall be less than 1 volt and not be able to be charged per 4.7.1.”

Custodian:  
Army – CR

Preparing Activity:  
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(Project 6140-A923)