

DEPARTMENT OF THE ARMY SUPPLY BULLETIN

BATTERY, BB-401 AND BATTERY
CELL, BB-403 ()/U

Headquarters, Department of the Army, Washington 25, D.C.
3 April 1962

1. Purpose. The purpose of this bulletin is to clarify technical service responsibility of stock control and accountability, depot storage and issue and maintenance of Battery BB-401()/U (FSN 6140-643-482;) and its individual cell Battery BB-403()/U (FSN 6140-635-3394).

2. Responsibilities. *a.* The Chief of Ordnance is responsible for supply of the item when issue is effected as a component part of an initial issue complete round of ammunition.

b. The Chief Signal Officer is responsible for stock control and accountability, depot storage, and initial and replacement issue except as outlined in a above, and maintenance of the batteries and cells.

3. Issue Procedures. *a. Battery BB-401/U.*

(1) *Initial.*

- (a) Pending assignment of .a federal stock number for each Nike missile configuration using units requiring battery BB-401()/U as a part of the ammunition round will submit a separate request through Ordnance channels in the same manner as for other components of the missile assemblage.
- (b) Units will forward requests for BB-401()/U authorized in addition to components of an ammunition round, through the applicable Signal post, camp or station accountable office, indicating complete basis or justification as contained in applicable authorization document.
- (c) Signal Accountable Offices are authorized and will stock at a satellited signal Field Maintenance Shop a maintenance float equal to 5 percent of the total batteries being supported by the Shop.

*This bulletin supersedes SB 38-27, 8 May 1958, including C 1, 3 November 1958.

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(d) Signal Accountable Offices will submit requisitions for batteries direct to Lexington Signal Depot.

(2) *Replacement issue.*

(a) Unserviceable or defective batteries in the hands of units will be replaced on a direct exchange basis by the supporting Signal Field Maintenance Shop from the maintenance float.

(b) Signal Field Maintenance Shop will replenish the maintenance float by repair of turned in batteries or by issue from the accountable office. Signal Field Maintenance Shops should assure, through repair of turned in batteries, that adequate stocks of class A batteries are available at all times in their Maintenance floats to support replacement issues in their mission areas.

b. *Battery BB-403/U.*

(1) *Initial issue.*

(a) Units will obtain authorized quantities as outlined in TM 11-6140-200-15P, from the supporting Signal Accountable Office.

(b) Signal Field Maintenance Shops will secure from supporting Signal Accountable Office, cells required to repair turned in batteries.

(c) Signal Accountable Offices will submit requisitions for cells to their supporting mission depot.

(2) *Replacement issue.*

(a) Using units will obtain replenishment of their authorized stock of cells from the supporting accountable office.

(b) Signal Field Maintenance Shops will replenish their authorized stock of cells by repairing turned in cells and by obtaining new cells from the Signal Accountable Office. Any cells in excess of requirements for authorized stockage and repair of batteries will be turned in to the Signal Accountable Office.

(c) Signal Accountable Office will submit requisitions for cells to their supporting mission depot.

4. Maintenance. a. The scope of organizational maintenance will be confined to the echelon authorized by applicable directives and will be effected by replacement of parts and cells as outlined in the applicable technical manual.

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b. Units will evacuate unserviceable or defective batteries and cells to the applicable supporting Signal Field Maintenance Shops listed below.

First Army
Fort Devens, Ayer, Mass.
Fort Niagara, N.Y.
Providence Defense Area, Providence,
R.I.
Bellmore, Long Island, N.Y.
Camp Kilmer, N.J.

Second Army
Fort George G. Meade, Md.
Neville Island, Pittsburgh, Pa.
Fort Monroe, Va.

Fifth Army
Fort Sheridan, Highwood, Ill.
Fort Wayne, Detroit, Mich.
Fort Leavenworth, Kans.
Granite City Engineer Depot, Ill.
Twin Cities Arsenal, Minneapolis,
Minn.

Philadelphia QM Depot, Pa.
Cleveland Support Detachment, Lords-
town Military Complex, Cleveland,
Ohio
Combined Guided Missile Field,
Maintenance Shop, Kings Mills,
Ohio

Fourth Army
Fort Bliss, El Paso, Tex.
White Sands Proving Grounds,
N. Mex.

Sixth Army
Fort Lewis, Wash.
Presidio of San Francisco, Calif.
Fort MacArthur, San Pedro, Calif.

Military District of Washington
Cameron Station

5. Special Instructions. a. Defective cells, beyond the repair capabilities of Signal Field Maintenance Shops, unserviceable cases and other parts will not be returned to Signal depots but will be disposed of locally.

b. Post Ordnance Accountable Offices will ship to Post Signal Accountable Offices all batteries and cells in excess of quantities required to complete ammunition rounds.

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BY ORDER OF THE SECRETARY OF THE ARMY:

G. H. DECKER,
General, United States Army,
Chief of Staff.

Official:

J. C. LAMBERT,
Major General, United States Army,
The Adjutant General.

Distribution:

Active Army:

| | |
|-------------------------|--------------------------|
| CNGB (5) | Div (5) |
| CARROTC (5) | Regt/Gp/bg (5) |
| Tech Stf. DA (5) except | Bn (5) |
| CofOrd (30) | Svc Colleges (5) |
| CSigO (40) | Br Svc Sch (5) |
| Tech Stf Bd (5) | PMS Sr Div Units (5) |
| USCONARC (5) | PMS Jr Div Units (5) |
| USAARTYBD (2) | PMS Mil Sch Div Unit (5) |
| TISAARMBD (2) | GENDEP (10) |
| USAIB (2) | Sup Sec, GENDEP (10) |
| USARADB (2) | Dep (10) |
| USAABELCTBD (2) | Army Hosp (CONUS) (10) |
| USAAVNBD (2) | USA Hosp (10) |
| ARADCOM (5) | POE (10) |
| ARADCOM Rgn (5) | OSA (10) |
| OS Maj Comd (10) | Trans Tml Comd (5) |
| MDW (5) | Army Tml (5) |
| Armies (20) | Arsenals (10) |
| Corps (10) | Sig Fld Maint Shop (10) |
| USA Corps (10) | Sig Lab (10) |
| Instl (5) | |

NG: State AG (3); units-same as active Army except allowance is one copy to each unit.

USBAR: None.

For explanation of abbreviations used, see AR 320-50.

GPO 908-822

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The Metric System and Equivalents

Linear Measure

1 centimeter = 10 millimeters = .39 inch
 1 decimeter = 10 centimeters = 3.94 inches
 1 meter = 10 decimeters = 39.37 inches
 1 dekameter = 10 meters = 32.8 feet
 1 hectometer = 10 dekameters = 328.08 feet
 1 kilometer = 10 hectometers = 3,280.8 feet

Weights

1 centigram = 10 milligrams = .15 grain
 1 decigram = 10 centigrams = 1.54 grains
 1 gram = 10 decigrams = .035 ounce
 1 decagram = 10 grams = .35 ounce
 1 hectogram = 10 decagrams = 3.52 ounces
 1 kilogram = 10 hectograms = 2.2 pounds
 1 quintal = 100 kilograms = 220.46 pounds
 1 metric ton = 10 quintals = 1.1 short tons

Liquid Measure

1 centiliter = 10 milliliters = .34 fl. ounce
 1 deciliter = 10 centiliters = 3.38 fl. ounces
 1 liter = 10 deciliters = 33.81 fl. ounces
 1 dekaliter = 10 liters = 2.64 gallons
 1 hectoliter = 10 dekaliters = 26.42 gallons
 1 kiloliter = 10 hectoliters = 264.18 gallons

Square Measure

1 sq. centimeter = 100 sq. millimeters = .155 sq. inch
 1 sq. decimeter = 100 sq. centimeters = 15.5 sq. inches
 1 sq. meter (centare) = 100 sq. decimeters = 10.76 sq. feet
 1 sq. dekameter (are) = 100 sq. meters = 1,076.4 sq. feet
 1 sq. hectometer (hectare) = 100 sq. dekameters = 2.47 acres
 1 sq. kilometer = 100 sq. hectometers = .386 sq. mile

Cubic Measure

1 cu. centimeter = 1000 cu. millimeters = .06 cu. inch
 1 cu. decimeter = 1000 cu. centimeters = 61.02 cu. inches
 1 cu. meter = 1000 cu. decimeters = 35.31 cu. feet

Approximate Conversion Factors

| <i>To change</i> | <i>To</i> | <i>Multiply by</i> | <i>To change</i> | <i>To</i> | <i>Multiply by</i> |
|------------------|--------------------|--------------------|--------------------|---------------|--------------------|
| inches | centimeters | 2.540 | ounce-inches | Newton-meters | .007062 |
| feet | meters | .305 | centimeters | inches | .394 |
| yards | meters | .914 | meters | feet | 3.280 |
| miles | kilometers | 1.609 | meters | yards | 1.094 |
| square inches | square centimeters | 6.451 | kilometers | miles | .621 |
| square feet | square meters | .093 | square centimeters | square inches | .155 |
| square yards | square meters | .836 | square meters | square feet | 10.764 |
| square miles | square kilometers | 2.590 | square meters | square yards | 1.196 |
| acres | square hectometers | .405 | square kilometers | square miles | .386 |
| cubic feet | cubic meters | .028 | square hectometers | acres | 2.471 |
| cubic yards | cubic meters | .765 | cubic meters | cubic feet | 35.315 |
| fluid ounces | milliliters | 29.573 | cubic meters | cubic yards | 1.308 |
| pints | liters | .473 | milliliters | fluid ounces | .034 |
| quarts | liters | .946 | liters | pints | 2.113 |
| gallons | liters | 3.785 | liters | quarts | 1.057 |
| ounces | grams | 28.349 | liters | gallons | .264 |
| pounds | kilograms | .454 | grams | ounces | .035 |
| short tons | metric tons | .907 | kilograms | pounds | 2.205 |
| pound-feet | Newton-meters | 1.356 | metric tons | short tons | 1.102 |
| pound-inches | Newton-meters | .11296 | | | |

Temperature (Exact)

| | | | | |
|----|------------------------|----------------------------|---------------------|----|
| °F | Fahrenheit temperature | 5/9 (after subtracting 32) | Celsius temperature | °C |
|----|------------------------|----------------------------|---------------------|----|

