

**HEADQUARTERS  
RESEARCH AND DEVELOPMENT CENTER, ASCOM, PA**  
Camp Alejandro B Melchor Sr, Libis, Quezon City

RDCX

**09 OCT 2019**

**SUBJECT:** Color Values of Standard Fabrics  
for Various Quartermaster Items (PA)

**TO:** Army Chief Quartermaster  
Fort Andres Bonifacio, Metro Manila

1. References:

- a. Endorsement letter from Army Chief Quartermaster dated 02 July 2019; Subject: Official Sample of Basic Materials
- b. Endorsement letter from Acting Army Chief Quartermaster dated 29 August 2019; Subject: Official Sample of Basic Materials

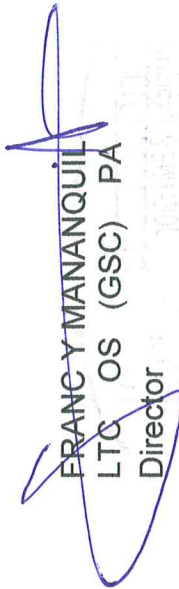
2. Per above references, request be informed that the submitted standard fabrics for various quartermaster items were already recorded in the color spectrophotometer as reference, specifically their respective color values (LCh & Lab).

3. ITR, listed below are the respective color values which will be used as bases of color differences:

| ITEMS  | COLOR VALUES   |             |         |                                   |                                     |
|--|----------------|-------------|---------|-----------------------------------|-------------------------------------|
|  | Lightness (L*) | Chroma (C*) | Hue (h) | Position between red & green (a*) | Position between yellow & blue (b*) |
| <b>a. PA Athletic Uniform</b>                              |                |             |         |                                   |                                     |
| Shirt (Front)  | 35.56          | 1.89        | 13.75   | 1.84                              | 0.45                                |
| Shirt (Back)   | 30.99          | 2.37        | 298.98  | 1.15                              | -2.08                               |
| Shorts   | 18.65          | 2.73        | 285.49  | 0.73                              | -2.63                               |
| <b>b. PA Undershirt</b>                                    |                |             |         |                                   |                                     |
| Front  | 35.05          | 10.21       | 109.46  | -3.40                             | 9.63                                |
| Back   | 33.40          | 9.91        | 97.51   | -1.30                             | 9.83                                |
| <b>c. Army Combat Boots, Suede (Urban &amp; Field Use)</b> |                |             |         |                                   |                                     |
| Leather  | 30.00          | 6.84        | 105.58  | -1.84                             | 6.59                                |
| Quarter Material and Gusset                                | 27.80          | 7.26        | 95.81   | -0.73                             | 7.22                                |
| Binding Tape   | 22.76          | 5.72        | 101.70  | -1.16                             | 5.60                                |
| Quarter Top Facing and Backstay Tape                       | 24.14          | 7.20        | 91.09   | -0.14                             | 7.20                                |
| Ankle Reinforcement Tape                                   | 23.27          | 6.57        | 93.99   | -0.46                             | 6.56                                |

4. Moreover, this Center would like to request for copies of approved PA Interim Technical Specifications and Test Parameters of aforementioned QM items as basis of conduct of Acceptance, Post-Qualification and Product Pre-tests.

5. Request favorable consideration.

  
**FRANC Y MANANQUIL**  
 LTC OS (GSC) PA  
 Director



"Honor, Patriotism, Duty"