





U.S. ARMY COMBAT CAPABILITIES DEVELOPMENT COMMAND – SOLDIER CENTER

Shade Evaluation Light Source Change

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Approved For Public Release







Military Primary Light Source Transition

AATCC Evaluation Procedure 9

"Evaluation Procedure for Visual Assessment of Color Difference of Textiles"

Current: CIE Illuminant Daylight 7500K (D75)

Future: CIE Standard Illuminant Daylight 6500K (D65)







Reasoning:

- D75 light source is becoming obsolete
- Standard Illuminant or Light Source:
 - U.S. Military: D75
 - Commercial: D65
- D75 selected by the U.S. Military in the late 1940s
- Industry transition to D65 in the 1960s; No military change







Planning:

- 1. Concurrence from all services
- 2. Pending and future contracts will use D65 light sources for shade evaluation.
- 3. Current contracts will be evaluated for potential light source transition.

Current contracts selected for transition to D65 having AATCC Evaluation Procedure 9 failures under the D65 source will be evaluated under the D75 source for a specified period of time after the light source transition.

4. Timeline is TBD

- The secondary light source, used to check for the presence of metamerism, will continue as CIE Standard Illuminant A (incandescent)
- Results will be noted on all reports indicating the light source used and related shade comments







Contract Questions:

Speak with your Contracting Officer or Contracting Officer Representative

All Other Questions:

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