

[previous section](#)

## APPENDIX I - Standards

Applicability: These criteria apply to new MCA-funded barracks, starting with FY2003. The criteria can also be used for new barracks added by Congress to the FY2002 MCA program, if practical. Barracks renovations starting in FY2003 should also strive to incorporate the new criteria to the maximum extent feasible.

General Design Philosophy: As The Army's force structure, doctrine, and equipment are transforming, so must barracks to keep pace with the changing expectations of soldiers. Excellent housing for single soldiers is critical to maintaining the quality force The Army needs to maintain its superiority in this dynamic environment. The best way to do this is to make barracks more like private sector housing, and to provide the flexibility to adapt to constant change.

Mid-Program Review: The modernization of the barracks complexes where permanent party soldiers live and work is the most important facility initiative in The Army. In light of the huge remaining commitment for this program, The Army initiated a comprehensive barracks mid-program review in November 1999. In February 2001, a joint OACSIM and HQUSACE Barracks Team issued a report that provides ample support for a new barracks design strategy that eliminates restrictive criteria and incorporates, to the greatest extent practical, industry standards for both functional and technical criteria. The report included results of a comprehensive survey of over 2,000 soldiers, 300 unit leaders, and 100 public

works personnel. With less restrictive functional criteria, The Army will obtain

more value and increase soldier well-being by allowing barracks to more closely resemble economical commercial housing such as apartments, hotels, extended stay suites, condos, college dormitories, or residential type housing. The report is at <http://www.hqda.army.mil/acsimweb/fd/construction/milconbar.htm>

OSD Approval: To allow more flexible barracks criteria and to incorporate many of the recommendations in the Barracks Complex Mid-Program Review Report, The Army sought and obtained relief from restrictive OSD criteria. The Deputy Secretary of Defense issued a memorandum dated 25 June 2001 that:

- Increased the maximum room size from 11 SM to 17 SM.
- Deleted the module limit of 47 SM.
- Allowed the option for private modules.

The above changes were approved under the assumption that they would not increase program costs because they merely provide flexibility to redistribute the space that is currently authorized for new barracks projects. Making greater use of industry standards will offset the cost of any additional amenities.

Standard Criteria versus Standard Designs: The previous barracks standard designs required compliance with a few types of designs with little, if any,

opportunity for innovation or adaptation to local conditions. Several years of experience with the standard 1+1 barracks designs have identified many lost opportunities for improvement. Therefore, it was clear that the new criteria should only establish broad design parameters to allow installations and their design agents the flexibility to maximize innovation, soldier well-being, and value. This flexible design strategy has been a resounding success for over 20 years of family housing construction.

Private versus Common Areas: The new criteria gives commanders the flexibility to design barracks with an appropriate balance between private and common areas, depending on local circumstances. Within the overall gross area limits established by OSD, the barracks can now be designed to increase the size of the modules at the expense of common areas, if commanders believe the common areas are not being used enough or present a control and maintenance burden. Private areas can also be enlarged by reducing the space needed for circulation and utility systems.

Additional Facilities: New criteria will be issued separately for the other facilities in a barracks complex including brigade headquarters, battalion headquarters, company operations facilities, and dining facilities.

The Army took the lead in gaining approval from the Deputy SECDEF for flexibility in the DoD barracks modernization standard. In June 2001, the Army obtained approval of the barracks construction criteria illustrated at Table I-1 on the following page.

**Table I-1: Army Barracks Standard**

Item	Previous Criteria	New Criteria
Barracks and Support Spaces, Gross Area - Includes Soldier Community Building (SCB)	Max 34 SM (366 SF) per space, or max 36 SM (388 SF) for barracks over 3 stories, or to meet site-specific requirements.	No change (limits set by Office of the Secretary of Defense)
Barracks Room, Net Area	1+1: 11 SM (118 SF) 2+0 (Korea): 8.4 SM (90 SF)	Garrison Commander (GC) discretion: Max 17 SM (183 SF), Min 13 SM (140 SF) except for Korea 2+0, which is 8.4 SM (90 SF)
Barracks Module, Gross Area	Max 47 SM (506 SF) for each 1+1 module	Limited only by OSD cap on total gross area (34 or 36 SM per space)
Private Modules	Only for NCO's	GC discretion to authorize for any rank
Soldier Community Building	U.S. – Required Outside U.S. - Optional	Downsize or delete
Cooking Facilities in each Barracks Module	Microwave oven	Add a stove or cook top (optional outside U.S.), or design to make it easy to add in the future
Barracks Room Closet, Net Area	U.S.- Approx 2 SM (21 SF) Europe: 2 SM (21 SF) Korea (2+0): 0.6 SM (7 SF)	U.S. - Approx 3 SM (32 SF) Outside U.S. – Max 2 SM with separate bulk storage, or max 3 SM if bulk storage in closet
Bulk Storage (personal)	U.S. - In SCB Outside U.S. - In barracks	U.S. – Delete (replaced by larger closet) , Outside U.S. – GC discretion
Laundries	U.S. - In SCB Outside U.S. - In a central location in the barracks	GC discretion to locate in each module, each floor, each barracks, or SCB
Other support functions, e.g., CQ desk, lobby, activity rooms, kitchen, mailroom, vending, pay telephones, mud room	U.S. - In SCB Outside U.S. - In a central location in barracks	GC discretion to select needed functions and locations
Configuration and Exterior Appearance	Large multi-story, masonry buildings (barracks)	GC discretion to make similar to private sector housing
Module Access	No restrictions	New barracks shall not have windows opening to a balcony or landing
Technical Design Criteria and Standards	Military standards (often exceeding industry standards and codes)	Industry standards except where military standards are required to meet specific operational needs
Acquisition Method	Mostly design-bid-build	Maximize use of design-build and explore other alternative acquisition procedures such as privatization

[next section](#)