750 20 PLAYING FIELDS (EA)

Project Review: EFD, NAVFAC HQ, BUPERS (Pers-656D)
Commandant of the Marine Corps (CMC) code LFL
Design Criteria: Military Handbook (MIL-HDBK-1037/3) -- Outdoor Sports and Recreation Facilities

1. **GENERAL**. See introduction to 750 series category codes for General Instructions regarding facility allowance planning procedures.

2. **DEFINITION**. Playing Fields provide facilities and support services to meet the individual physical fitness, coordination, skills development, training and recreation needs of military personnel. The facilities may also serve dependents, retirees and authorized civilians. Activities which may be accommodated in Playing Fields include: baseball, football, soccer, softball, track and field, etc.

3. **RELATED FACILITIES**. Consideration should be given to collocating the Playing Fields with the following recreational facilities in order to (i) take advantage of potential savings in space requirements and operating costs, and (ii) provide users with the increased convenience of clustered facilities:

   - 740 43 Gymnasium
   - 740 45 Fitness Center
   - 740 50 Field House
   - 740 53 Indoor Swimming Pool
   - 750 10 Outdoor Playing Courts.

4. **DEMAND AND ALLOWANCES**. The number of Playing Fields provided at each installation is determined on the basis of the peak hour usage, as follows:

   a) Use projected base loading data to determine the population for each significant user population category, as listed in Tables 750 20A and 20B.

   b) Calculate peak hour demand for each type of Playing Field by multiplying the population for each category by participation factors found in Tables 750 20A and 20B. Add the demand for all population categories to derive Total Demand for each type of field.

   c) Derive the Total Number of Fields required by dividing the Total Demand by the maximum capacity per average peak hour per field, as indicated in Tables 750 20A and 20B.

   d) Lighted fields may be provided as an alternative to the above unlighted fields. Calculate the Number of Lighted Fields by multiplying the Total Number of Fields of each type, as derived above, by the adjustment factors indicated in Tables 750 20A and 20B.

Notes for Demand Calculations - Tables 750 20A and 20B:

(1) Population numbers should be consistent with projected base loading data. Officers are O-1 through O-10 and enlisted are E-1 through E-9. Civilians are authorized DoD employees. Retirees are all military retirees within a 30-minute drive of the installation.

For facility planning purposes at installations with deployable forces, the active duty demand population is comprised of all of the non-deployable population, plus two-thirds of the deployable population, to reflect time away on deployment. However, calculation of the deployable population may be adjusted based on the actual deployment experience at individual installations.

(2) Usage of facilities by spouses and dependents has been considered in the participation factors used in the table. These participation factors may be revised periodically by NAVFAC HQ and BUPERS, and the most current figures must be used in all demand calculations.

(3) **Lighted fields may be provided as an alternative to unlighted fields, in proportion to their relative total numbers as calculated in the Tables.**

(4) **Regulation baseball fields may be provided at large installations only if there is a demonstrated need for this specific facility.**

(5) **One junior baseball field may be provided for every 600 elementary school age (6-12 years old) dependants residing on the installation, in addition to other fields allowed. An additional junior baseball field may be provided if the installation supports its own high school and a field is required for interscholastic play.**

(6) **Outdoor running tracks and stadiums may be provided at large installations where there is a demonstrated need for these specific facilities.**

TABLE 750 20A
SOCCER/FOOTBALL FIELD DEMAND CALCULATION

Note	Population Category	Population (per Base Loading)	x	Participation Factor	=	Peak Hour Demand	
(1),(2)	Enlisted	.....	x	.0029	=	.....	users
(1),(2)	Officers	.....	x	.0028	=	+	users
(1),(2)	Retirees	.....	x	.0001	=	+	users
(1),(2)	Authorized Civilians	.....	x	.0003	=	+	users
				Total Demand	=	.....	users
	divide by maximum capacity per soccer/football field per average peak hour					÷ 8	
(6)	Total Number of Soccer/Football Fields (round to the nearest whole unit)				=	.....	fields
	multiply by 0.67 to obtain the number of lighted fields					x 0.67	
(3)	Total Number of Lighted Fields (round to the nearest whole unit)				=	.....	fields

TABLE 750 20B
SOFTBALL/BASEBALL FIELD DEMAND CALCULATION

Note	Population Category	Population (per Base Loading)	x	Participation Factor	=	Peak Hour Demand	
(1),(2)	Enlisted	.....	x	.0081	=	.....	users
(1),(2)	Officers	.....	x	.0068	=	+	users
(1),(2)	Retirees	.....	x	.0003	=	+	users
(1),(2)	Authorized Civilians	.....	x	.0018	=	+	users
				Total Demand	=	.....	users
	divide by maximum capacity per softball/baseball field per average peak hour					÷ 10	
(4),(5),(6)	Total Number of Softball/Baseball Fields (round to nearest whole unit)				=	.....	fields
	multiply by 0.67 to obtain the number of lighted fields					x 0.67	
(3)	Total Number of Lighted Fields (round to the nearest whole unit)				=	.....	fields