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**MIL-STD-1691E
1 March 1991
SUPERSEDING
MIL-STD-1691D
3 September 1985**

MILITARY STANDARD
**CONSTRUCTION AND MATERIAL SCHEDULE FOR
MILITARY MEDICAL AND DENTAL FACILITIES**



AMSC N/A

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FSC 6530

MIL-STD-1691E

DEPARTMENT OF DEFENSE
WASHINGTON, DC 20301-1200

Construction and Material Schedule for Military Medical and Dental Facilities.

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1. This Military Standard is approved for use by all Departments and Agencies of the Department of Defense.
2. Recommended corrections, additions, or deletions should be addressed to the Defense Medical Facilities Office, Attn: Equipment Systems Branch, 5109 Leesburg Pike, Suite 817, Falls Church, VA 22041-3201.

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FOREWORD

1. This standard, which provides a schedule of equipment for medical and dental facilities, cancels and supersedes MIL-STD-1691D of 3 September 1985.
2. The application information contained in this standard shall be applied in military construction budgets and may be used to identify equipment for construction and renovation planning not included in a military construction budget.
3. All built-in casework shall be fabricated and designated in accordance with Military Specification MIL-C-20709 (latest edition). All other casework shall be designated, specified, and installed in accordance with MILSPEC MIL-C-29240 Casework - Moveable and Modular for Hospital Laboratories and Pharmacies, MILSPEC MIL-C-29241 Material Handling Units for Medical Facilities, MILSPEC MIL-F-28687 Frame, Mobile, Hospital Laboratories and Pharmacies, Military Guide Spec 11704, and other specifications as directed by the design agency.
4. The Joint Schedule Numbers (JSN) or the National Stock Numbers, within the MIL-STD 1691, shall not be used as substitutes for contract specifications and detail drawings. Citing JSN numbers and nomenclatures will not relieve the architect or design agency of the responsibility to verify and provide all necessary detail drawings and specifications showing actual dimensions, utility connections, accessories, quantity, quality, and performance required.

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1. SCOPE

1.1 Scope and Purpose. This standard establishes a definite demarcation between the various elements involved in the planning, funding, constructing, and equipping of the medical and dental facilities of the Armed Services, and other using agencies USPHS, Dept of Veteran Affairs. This standard provides a uniform basis upon which the Medical Services can identify items of construction and material and fix logistical and financial responsibility thereof in an identical manner.

1.2 Application. This standard shall be applied to the architectural, financial and logistic planning, construction, and equipping of all medical and dental facilities included in the military and other using agency budgets for medical construction appropriation funds, other procurement (investment equipment) organizational maintenance funds, and departmental operation funds of the using service or agency.

2. DEFINITIONS

2.1 General. As used in this standard for the schedule of items, the following definitions pertain to:

- (a) Fixed - fastened to walls, floors or ceiling, or to steam, gas, plumbing, electrical power, sensor lines in a permanent manner.
- (b) Portable - movable, including that equipment which is attached to utility lines by attachment plug, screw-on fitting, or quick disconnect fittings, and that which is of such size and use that special consideration must be given to its location.
- (c) Mobile - equipment on wheels or casters.

2.2 Schedule Terms. Terms used in the column headings and body of the schedule are defined as follows:

JSN----- Joint Schedule Number. The number shall consist of an alpha character followed by four additional characters. The first alpha character shall denote the equipment groups as follows:

- A-----Architectural
- C-----Fixed Casework
- D-----Dental Equipment/and Dental Casework
- E-----Modular Casework
- F-----Furniture and Furnishing
- K-----Food Service Equipment
- L-----Laboratory Equipment
- M-----Miscellaneous

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P-----Plumbing Fixtures
 R-----Refrigeration
 S-----Sterilizers and Associated Equipment
 T-----Shop Equipment/Tools
 U-----User Specific Items
 V-----Veterinary
 X-----X-Ray Equipment and Accessories
 W-----War Readiness Materials

NSN----- National Stock Number/Federal Stock Catalogue

Nomenclature----- Name of item.

CAT----- Category of Logistical Responsibility.

A----- Contractor furnished and installed from construction funds (Construction Appropriations/Medical Construction Appropriations.)

B----- Government furnished from using service operating funds other than construction and installed by contractor from construction funds (Construction Appropriations/Medical Construction Appropriations).

C----- Government furnished and installed from existing assets or from funds other than construction.

D----- Other. Leased or rented equipment, or that obtained under special conditions as indicated. Fund source will be other than Construction Appropriation/Medical Construction Appropriations.

E----- Government furnished and Government (vendor) contractor installed from Construction Appropriation/Medical Construction Appropriations funds. (Procurement may be delayed until the latest date feasible that will not interfere with project completion. This will provide the latest model of equipment at the time it is needed.)

F----- Government furnished and Government (vendor) installed from Construction Appropriation/Medical Construction Appropriations funds. (Procurement may be delayed until the latest date feasible that will not interfere with project completion. This will provide the latest model of equipment at the time it is needed.)

G----- Government furnished and installed equipment requiring special funding (not MCON or project specific OM or OP dollars) and may require other justification and approvals.

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2.3 Abbreviations. Abbreviations as used in this standard are defined as follows:

2RCSD	Two Wall Recessed
A	Angstrom
ABDOM	Abdominal/Abdomen
AC	Alternating Current
ADJ	Adjustable
AIDS	Acquired Immune Deficiency Syndrome
AL	Aluminum
AMPS	Amperes
ANES	Anesthesia
ANGIO	Angiography/angiographic
AR	As Required
ASSY	Assembly
ASTM	American Society for Testing and Materials
ATT	Attached/Attachment(s)
AUDIO	Audiometric/Audiometer
AUTO	Automatic
BAC	Bacteriological
BEV	Beverage
BIO	Biological
BKSPLSH	Backsplash
BNCH	Bench
BSE	Base
BTU	British Thermal Units
C	Centigrade/Celsius
C/	Central or Building Supplied
CAB	Cabinet
CAL	Calibration
CAP	Capacity
CARB	Carbonated
CATH	Catherization
CC	Cubic Centimeter
CCTV	Closed Circuit Television
CCU	Cornary Care Unit
CEIL	Ceiling
CEPH	Cephalometric
CF	Complement Fixation
CFM	Cubic Feet Per Minute
CH	Channel
CHMBR	Chamber
CHOC	Chocolate
CL	Chlorine
CMPT	Compartment
CMPTR	Computer
CMRA	Camera
CNR	Corner

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CNTR	Center
Co	Cobalt
CO2	Carbon Dioxide
COLL	Collector
COMB	Combination
COMP	Compressor
COMPAT	Compatible
CONT	Continuous
CRM	Corrosion Resistant Metal
CRS	Corrosion Resistant Steel
CRT	Cathode Ray Tube
CS	Case
CSF	Cerebrospinal Fluid
CSH	Closed Shelf
CSTRS	Casters
CT	Computerized Tomography
CTR	Counter
CUFT	Cubic Foot
CUYD	Cubic Yard
CYL	Cylinder
D	Depth/Deep
DBL	Double
DC	Direct Current
DEPMEDS	Deployable Medical Systems
DIA	Diameter
DISINFECT	Disinfectant
DIV	Division
DNA	Deoxyribonucleic Acid
DO	Door
DPM	Drops Per Minute
DR	Drawer
DRNBD	Drainboard
E	Electron
EA	Each
EEG	Electroencephalogram
ECG	Electrocardiograph/Electrocardiogram
EIA	Enzyme Immunoassay
ELEC	Electrical/Electric
ENT	Ears, Nose and Throat
ETO	Ethylene Oxide
EX	Executive
EP	Explosion Proof
F	Fahrenheit
F/S	Floor Standing
FDR	File Drawer
FED SPEC NO	Federal Specification Number
FG	Fiber Glass

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FGC	Fiber Glass Cement
FLUOR	Fluorescent
FLR	Floor
FNT	Front
FPM	Feet Per Minute
FR-DTGS	Fast Recovery Deuterated Triglycerine Sulfate
FREQ	Frequency
FT	Foot/Feet
GAL	Gallon
GD	Garbage Disposal
GDO	Glazed Door
GM	Gram
GPH	Gallons Per Hour
GPM	Gallons per minute
GV	Gravity
H2SO4	Sulfuric Acid
HCL	Hydrochloric Acid
HCO	Hydrogen Ion Activity or Hemoglobin Measurements
HCT	Hematocrit
HD	Head
HDO	Half Door
HDR	Half Drawer
HEPA	High Efficiency Particulate Air
Hg	Mercury
Hgb	Hemoglobin
HORIZ	Horizontal
HP	Horsepower
HR	Hour
HT	Height/High
HTD	Heated
HTR	Heater
HVY DTY	Heavy Duty
HYD	Hydraulic
HZ	Hertz
ICU	Intensive Care Unit
ID	Inside Dimension
IN	Inch
INDIVL	Individual
INJ	Injector, Injection, Injected
INSTRU	Instrument
IPS	International Pipe Standard
ISE	Ion Selective Electrode
IV	Intravenous
K	Thousand/Potassium
KEYBD	KeyBoard
KG	Kilogram
KV	Kilovolt

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KVA	Kilovolt Ampere
KW	Kilowatt
L	Length
LAB	Laboratory
LAT	Lateral
LB	Pound
LC	Liquid Chromatography
LDG	Loading
LDO	Lower Door
LED	Light Emitting Diode
LFILE	Lateral File
LiTa	Lithium - Tantalate
LP	Lamp
LPM	Liters Per Minute
LT	Light
LVLS	Levels
MA	Milliampere
MACH	Machine
MAX	Maximum
MBL	Mobile
MCV	Mean Corpuscular Volume
MECH	Mechanical
MED	Medical
mEq	Milliequivalent
mEq/L	Milliequivalent Per Liter
MEV	Million Electron Volts
mg	Milligram
mg/dl	Milligrams Per Deciliter
min	Minute
MKR BD	Marker Board
ML	Milliliter
MM	Millimeter
mmHg	Millimeters of Mercury
mmol/l	Millimol per Liter
MNFLDS	Manifolds
MNTD	Mounted
MNTRNG	Monitoring
MOD	Modular
MORT	Mortuary
MRI	Magnetic Resonance Imaging
MSN	Military Specification Number
MTR	Motor
MULT	Multiple
MV	Megavolt
NA	Sodium
NA/K/Li	Sodium Potassium Lithium
NARC	Narcotics
ng	Nanograms

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nm	nanometer
NOM	Nominal
NF	Neuropsychiatric
NPT	National Pipe Thread
OD	Outside Diameter/Optical Density
OH	Overhead
ohm/cm	Ohm per Centimeter
OmmHG	Oxygen Millimeters of Mercury
ORTHO	Orthopedic
OT	Occupational Therapy
P/H	Panel Hung
P/THRU	Pass Through
PANO	Panographic
PAR	Parallel
PBD	Pullboard
PC	Personal Computer
PCO2	Partial Pressure of Carbon Dioxide
PED	Pedestal
PER	Person
PH	Phosphorous
PHARM	Pharmacy
PL	Place
PNL	Panel
PNT	Patient
PO2	Partial Pressure of Oxygen
PREFAB	Prefabricated
PREPN	Preparation
PREVAC	Prevacuum
PRIV	Privacy/Private
PSI	Pounds Per Square Inch
PSIG	Pounds Per Square Inch Gauge
PT	Physical Therapy
PTBL	Portable
PTT	Prothrombin Time Test
PWRD	Powered
R/F	Radiographic/Fluoroscopic
RBC	Red Blood Count
RCD	Record
RCSD	Recessed
REF	Refrigerated
REFR	Refrigerator
REQ	Require/d
RESP	Respiratory
RF	Radio Frequency
RIA	Radioimmunoassay
RM	Room
ROT	Rotating
RPM	Revolutions/Rotation Per Minute
RR	Rear

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SCRN	Screen
SDO	Sliding Door
secs	Seconds
SECT	Section
SECY	Secretary/Secretarial
SENS	Sensitivity
SER	Service
SF	Square Foot
SGDO	Sliding Glass Door
SH	Shelf(ves)
SL	Slice
SLDG	Sliding
SMPLS	Samples
SNGL	Single
SPD	Speed
SPEC	Special
SQ	Squares
SS	Stainless Steel
SSH	Sliding Shelf
STA	Station
STAT	Immediate
STK	Stack
STL	Stool
STM	Steam
STND	Stand
STOR	Storage
SUC	Suction
SUR	Surface
SURG	Surgical
SUSP	Suspension
SWG	Swing, Swinging
TBL	Table
TBLWR	Tableware
TEMP	Temperature
TLC	Thin Layer Chromatography
TOMO	Tomography/Tomographic
TPL	Triple
TRANS	Transportable
TREAT	Treatment
TRK	Track
TST	Test
TV	Television
U/C	Undercounter
UL	Underwriters Laboratories, Inc
UNHTD	Unheated
UPHD	Upholstery/Upholstered
UPRIGHT	Upright
UT	Utility/Utilities
UV	Ultraviolet

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V	Volts
VAC	Vacuum, Volts AC
VAR	Variable
VDRL	Venereal Disease Research Laboratory
VERT	Vertical
VIS/UV	Visible/Ultraviolet
VOL	Volume
W	Width/Watts/Wide
W/	With
WBC	White Blood Count
WCP	Watercolor Pen
W/H	Wall Hung
W/H CTR	Wall Hung or Counter Mounted
W/O	Without
W/P/H	Wall or Panel Hung
WRK	Work
WKI	Walk In
WKSUR	Work Surface
WLL	Wall
WRST CNTRL	Wrist Control
WSH	Writing Shelf
o	Degrees
X	Powers of magnification
YD	Yard

3. GENERAL REQUIREMENTS

3.1 Joint Schedule Numbers. The joint schedule numbers appearing in this standard shall be used to identify equipment on all architectural drawings, plans, and supporting documents for Military/Federal medical construction projects. The JSNs may be used to identify equipment for construction and renovation planning not included in a military construction budget, but in those instances, the column for "CAT" indicating logistical responsibility may be disregarded.

3.2 Items Not Included. Funds for items not included in this standard shall be included in the appropriate operating or supply budget estimates.

3.3 Additions, Deletions, or Changes. Additions, deletions, changes, and corrections to this standard shall be made as directed by the 1691 committee. Items can be added to the database by any using service or agency. Deletions or changes can be made only with the full committee's concurrence. The DMFO maintains and promulgates.

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4. SUPPLEMENTAL INFORMATION

4.1 Special Instructions

(a) Where reference to a specification is included in a JSN item description, items identified as "A" in "CAT" column of (Appendices A through C) shall be procured against the latest authorized specification or purchase description. Design agents and contractors (Architect and Engineers) shall assure that current specifications and their latest amendments or purchase description shall be used in the procurement of equipment supplied by the construction contractor.

(b) The using service/agency shall be required to furnish information and participate in review of shop drawings and inspections prior to acceptance of technical equipment. Inquiries shall be addressed to the appropriate authority.

(c) Quality and type of equipment and furniture, e.g., stainless steel, steel, wood, gas fired, or electric, shall be determined by the using service/agency in each instance, based on the intended life and mission of the facility and the location and circumstance under which construction is to be accomplished.

(d) When design and space limitations necessitate substitution of equipment in the preparation of drawings, these substitutions shall be coordinated with and approved by the using service/agency.

4.2 Notes.

(a) Not all items listed in this standard necessarily apply to all construction projects. It is improbable that any project will include all items. Items appearing on project equipment schedules that are not listed in this standard shall be assigned a number with a suffix code indicating a provisional or interim schedule number shall be coordinated with and approved by the using service. It is not mandatory that every item which applies to a specific project be listed in this standard.

(b) Expendable supplies, hand tools, and accessories have not been included in the standard.

(c) Unless otherwise specifically noted dimensions indicated mean:

Height - Outside dimensions bottom to top or floor to top, not including sloping tops or counter tops.

Width - Outside dimensions end to end across front.

Depth - Outside dimensions from front to back.

(d) All dimensions are approximate since they vary from manufacturer to manufacturer. Dimensions stated are the composite worst case reviewed during the MIL-STD 1691 update process.

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5. LOGISTICAL RESPONSIBILITY OF BUILDING CASEWORK AND BUILDING SYSTEMS

5.1 Special Instructions. The items listed in this section shall be included in construction cost estimates as appropriate.

5.2 ITEM DIVISIONS

ITEM	<u>Logistical Responsibility</u>						G
	A	B	C	D	E	F	
<u>5.2.1 Building and Grounds</u>							
To include:							
Hospital buildings (including administration)-----							X
Medical clinic buildings-----							X
Dental clinic buildings-----							X
Clinical and medical research							
laboratory buildings-----							X
Animal holding buildings-----							X
Maintenance shop buildings-----							X
Garages and automotive shelters-----							X
Power plant buildings (steam and/or electrical)-----							X
Sewage disposal plant structures-----							X
Medical helicopter landing pads-----							X
Chapel-----							X
Recreational building (including Red Cross,							
gymnasiums and swimming pools)-----							X
Recreational fields (including tennis courts,							
baseball diamonds, etc.,)-----							X
Guard and sentry boxes, gatehouses-----							X
Incinerator buildings-----							X

5.2.2 Electrical Service

To include:							
Wiring (including material)-----							X
Conduits-----							X
Switches, panels, boxes, service outlets-----							X
Transformers (stepdown and distribution)-----							X
Lighting, fixtures (including initial lamping)-----							X
Generating equipment (including emergency)-----							X
Explosion-proof fixtures-----							X
Power Conditioning/Surge Protectors-----							X

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ITEM	<u>Logistical Responsibility</u>					
	A	B	C	D	E	F
<u>5.2.3 Heating, Air Conditioning, and Ventilation</u>						
To include:						
Air conditioning (including packaged units)-----						X
Boiler plants and water heaters-----						X
Heat and steam distribution systems-----						X
Central vacuum cleaning system-----						X
<u>5.2.4 Plumbing</u>						
To include:						
Piping valves, fittings, and outlets-----						X
Toilet, bath, and lavatory fixtures (including shower stalls, mirrors, towels racks, toilet paper dispensers, paper towel dispensers, soap dispensers, and bedpan washers-----						X
Sewer systems and plants-----						X
Gas, air pressure and suction, and medical gas systems-----						X
Automatic sprinkler systems-----						X
Fire protection system (water)-----						X
<u>5.2.5 Refrigeration</u>						
To include:						
Refrigeration (walk-in)-----						X
Deep freeze (walk-in)-----						X
Built-in morgue refrigerators-----						X
<u>5.2.6 Communications</u>						
To include:						
Telephone system, including--						
Conduits, outlet boxes-----						X
Telephone exchange, Key equipment-- instruments, and all necessary equipments-----						X
Intercom systems, complete--						
Conduits-----						X
Instruments and equipment-----						X
Public address system (fixed)--						
Conduits-----						X
Instruments and equipment-----						X
Television system (excluding security)-----						X
Entertainment-----						X
Conduits-----						X

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ITEM	Logistical Responsibility					
	A	B	C	D	E	F
5.2.6 <u>Communications - Continued.</u>						
Antennas-----	X					
TV Brackets, wall and/or ceiling mounted-----		X				
TV Low voltage power supply-----		X				
Television Systems						
Training--						
Conduits-----	X					
TV cameras, TV receivers-----			X			
Patient Monitoring--						
TV cameras, receivers, cables and conduits-----	X					
Program distribution system, complete--						
Conduits and equipment-----	X					
Paging systems for staff complete-----				X		
Radio equipment other than paging and program distribution-----				X		
Conduits and cables-----	X					
Instruments, equipment, and accessories-----			X			
Nurses' call systems--						
Conduits-----	X					
Instruments and equipment-----	X					
Central dictating system--						
Conduits-----	X					
Instruments and equipment-----			X			
Pneumatic tube systems-----	X					
Automatic data Processing systems--						
Conduits-----	X					
Cables and distribution-----			X			
Instruments and equipment-----			X			
Intrusion Detection System						
Conduits-----	X					
Cable and fittings-----						X
Sensors and equipment-----						X
TV equipment-----						X
Interior Intrusion Detection System--(Local)-----	X					
Clocks--						
Central System-----	X					
Elapsed Time Clocks-----	X					
Battery clocks-----				X		
Audio-Visual equipment other than systems listed above-----				X		
Energy Monitoring and Control systems-----	X					
Fire Protection Alarm System-----	X					

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6. LOGISTICAL RESPONSIBILITY FOR MEDICAL/DENTAL EQUIPMENT

6.1 Legend of Utilities

UTILITIES	CODE	EXPLANATION
WATER AND DRAIN COL (1)	A	HOT AND COLD WATER
	B	COLD WATER AND DRAIN
	C	HOT WATER AND DRAIN
	D	COLD AND HOT WATER AND DRAIN
	E	TREATED WATER AND DRAIN
	F	COLD, HOT AND TREATED WATER AND DRAIN
	G	COLD AND TREATED WATER AND DRAIN
	H	HOT AND TREATED WATER AND DRAIN
	I	DRAIN ONLY
	J	COLD WATER ONLY
ELECTRICITY COL (2)	A	120 VOLT, CONVENTIONAL OUTLET
	B	120 VOLT, SPECIAL OUTLET
	C	208/220 VOLT
	D	120 AND 208/220 VOLT
	E	440 3 PHASE
	F	SPECIAL ELECTRICAL REQUIREMENTS
	G	208/220 VOLT 3 PHASE
MEDICAL GASES COL (3)	A	OXYGEN
	B	VACUUM
	C	AIR, LOW PRESSURE (30 PSIG) MAX
	D	AIR, HIGH PRESSURE (85 PSIG) MIN
	E	OXYGEN AND VACUUM
	F	OXYGEN AND MEDICAL AIR (50 PSIG)
	G	OXYGEN, VACUUM AND MEDICAL AIR (50 PSIG)
	H	VACUUM AND H.P. AIR (85 PSIG) MINIMUM
MISCELLANEOUS GASES COL (4)	A	STEAM
	B	NITROGEN GAS
	C	NITROUS OXIDE GAS
	D	NITROGEN AND NITROUS OXIDE GAS
	E	CARBON DIOXIDE GAS
	F	LIQUID CARBON DIOXIDE
	G	LIQUID NITROGEN
NON-MEDICAL GASES COL (5)	A	NATURAL GAS
	B	LIQUID PROPANE GAS
	C	METHANE
	D	BUTANE
	E	PROPANE
	F	HYDROGEN GAS
	G	(Reserved)
	H	ACETYLENE GAS

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MISCELLANEOUS
COL (6)

A EARTH GROUND
B LEAD LINED WALLS
C REMOTE ALARM GROUND
D EMPTY CONDUIT WITH PULL CORD
E VENT TO ATMOSPHERE
F SPECIAL GAS REQUIREMENTS
G LIQUID GAS REQUIREMENTS
H RF/MAGNETIC SHIELDING

6.2 MEDICAL/DENTAL EQUIPMENT SCHEDULE
6.3 JOINT SCHEDULE INDEX
6.4 DISTRIBUTION LIST

APPENDIX A
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Custodians:
Army - MD
Navy - YD
Air Force - 03

Preparing activity:
Navy - YD
(Project 6530-2316)

STANDARDIZATION DOCUMENT IMPROVEMENT PROPOSAL

INSTRUCTIONS

1. The preparing activity must complete blocks 1, 2, 3, and 8. In block 1, both the document number and revision letter should be given.
2. The submitter of this form must complete blocks 4, 5, 6, and 7.
3. The preparing activity must provide a reply within 30 days from receipt of the form.

NOTE: This form may not be used to request copies of documents, nor to request waivers, or clarification of requirements on current contracts. Comments submitted on this form do not constitute or imply authorization to waive any portion of the referenced document(s) or to amend contractual requirements.

RECOMMEND A CHANGE:		1. DOCUMENT NUMBER MIL-STD-1691E	2. DOCUMENT DATE (YYMMDD) 1 March 1991
3. DOCUMENT TITLE Construction and Material Schedule for Military Medical and Dental Facilities -			
4. NATURE OF CHANGE (Identify paragraph number and include proposed rewrite, if possible. Attach extra sheets as needed.)			
5. REASON FOR RECOMMENDATION			
6. SUBMITTER:			
a. NAME (Last, First, Middle Initial)		b. ORGANIZATION	
c. ADDRESS (Include Zip Code)		d. TELEPHONE (Include Area Code) (1) Commercial (2) AUTOVON (if applicable)	e. DATE SUBMITTED (YYMMDD)
B. PREPARING ACTIVITY			
a. NAME Richard Franklin (Code 04A2A)		b. TELEPHONE (Include Area Code) (1) Commercial (2) AUTOVON 221-0036	
c. ADDRESS (Include Zip Code) Naval Facilities Engineering Command 200 Stovall Street Alexandria, VA 22332-2300		IF YOU DO NOT RECEIVE A REPLY WITHIN 45 DAYS, CONTACT: Defense Quality and Standardization Office 5203 Leesburg Pike, Suite 1403, Falls Church, VA 22041-3466 Telephone (703) 756-2340 AUTOVON 289-2340	