

# ENGINEERING, FACILITIES, EQUIPMENT AND PROCUREMENT

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## Quality Assurance

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### Food and Drug Administration (FDA) Recalls/Alert Notices

Attachment 2, paragraph 1, provides information on FDA medical equipment recalls and alerts. Personnel from clinical engineering, biomedical equipment maintenance, quality assurance, and safety should follow the guidance provided to ensure the effective maintenance and management of medical equipment. (AFMLO/FOM, Mr. Dave Baker, DSN 343-7487)

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## Facilities Management

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### What's Happening at AFMLO/FOM-F?

This article is designed to provide updates on current facilities management related topics and issues.

#### *Medical Facilities Management Course*

First Lieutenant Thomas Stewart was recently reassigned to the 384<sup>th</sup> Training Squadron, Sheppard AFB TX. Tom takes over as the primary instructor for the medical facilities management course with the January 1999 course. He brings a wealth of experience to the position. His previous assignment was at MacDill AFB FL as the Director, Clinical Engineering. While at MacDill he was heavily involved in the preparation for a JCAHO survey and the successful completion of

the survey. He was also the project officer for construction projects in excess of \$14 million. Prior to receiving his commission, Tom had an assignment at Sheppard AFB as a Biomedical Equipment Repair instructor. He received a Bachelor of Science degree from Wayland Baptist University in Business Administration with a specialization in Health Administration. He also has an Associates Degree from the Community College of the Air Force in Biomedical Equipment Technology. Lt Stewart's e-mail is [thomas.stewart@sheppard.af.mil](mailto:thomas.stewart@sheppard.af.mil). His telephone number is DSN 736-2771.

#### *1999 Joint Services Medical Facilities Management Symposium/American Society for Healthcare Engineering Annual Conference*

The Air Force Medical Facilities Management Symposium will again be held in conjunction with the ASHE annual conference and technical exhibition, and the Army, Navy, and Department of Veterans Affairs Medical Facilities Management symposia. The 1999 Joint Services Symposium/ASHE conference will be held at the Pennsylvania Convention Center in Philadelphia, Pennsylvania, 21-25 June 1999. The travel days for the symposium are Sunday, 20 June and Saturday, 26 June. As with the previous two years, the symposium/conference will be five full days.

AFMLO plans to centrally fund the registration fee for the ASHE conference for Air Force participants. The number of funded training quotas (which fully cover travel and per diem) available through AETC has not yet been determined. As soon as the number of quotas is determined, MAJCOM representatives will be notified. In anticipation that the number of funded training quotas will be very limited, you should submit a TDY request to the appropriate office in your MTF. Don't wait until the last minute to submit the request.

Watch future AFMLLs, your mailbox, and your e-mail for more on the symposium and registration information.

### ***E-Mail Addresses***

Speaking of e-mails, we are currently updating the Air Force Facility Managers directory. Please e-mail changes/updated information to [hartr@fdetrck-ccmail.army.mil](mailto:hartr@fdetrck-ccmail.army.mil). The symposium binder from last year contains the current information we have pertaining to your office.

### ***Omega Fire Sprinklers Recall***

The U.S. Consumer Product Safety Commission (CPSC) and Central Sprinkler Corporation have announced a recall of Omega brand fire sprinklers. The concern with these sprinklers is that they may fail to operate properly in a fire situation. CPSC stated in their announcement of the recall that on the average, 30 to 40 percent of Omega sprinklers removed for testing failed to activate and in some cases all the sprinklers removed from a building failed to operate. The recall announcement can be found on the CPSC web site at <http://www.cpsc.gov/cpscpub/prerel/prhtml99/99008.html>.

The Omega sprinklers being recalled are:

C1 (or C-1), C1A (or C-1A), C-1A PRO (or C1-A PRO), C1-A PRO QR, EC-20, EC-20A, R-1, R-1A, R-1M, Flow Control (FC, Flow Control-FC), Protector-M or M Protector (Upright, Pendent, Sidewall, Sidewall EC), HEC-12, EC-12 RES, HEC-12 EC, HEC-12 EC PRO, HEC-12 ID, HEC-12 PRO, HEC-12 PRO QR, HEC-20, Prohibitor QR and AC.

If you suspect you have any of the recalled Omega sprinklers in your facilities, contact Central Sprinkler at (800) 896-5685 or access their web site at <http://www.Omegarecall.com> for additional information.

According to the CPSC, "Consumers themselves should be able to determine whether their homes or buildings are equipped with Omega fire sprinklers. On most models, consumers will be able to see three flat round metal disks stacked one above the other with a small space between each disk."

### ***Fire Drills in Business Occupancies***

The Joint Commission has issued a revised requirement for the number of fire drills required in freestanding buildings classified as a business occupancy in accordance with the *Life Safety Code*®. As of 1 January 1999, one fire drill per shift will be required annually as opposed to the current requirement of quarterly. Again, this change applies to business occupancies. This revised requirement does not relax the need to have the staff of your facility understand the fire plan and their role in a fire emergency. Continued training of the MTF's staff on the life safety management plan is still essential for your successful completion of a JCAHO survey.

### ***Environment of Care***

In closing this update, we would like to reemphasize three standards in the Environment of Care: EC.1.1, EC.2.2, and EC.2.4. We emphasize these three standards because they have been identified as areas needing additional attention by the JCAHO.

***EC.1.1, Newly constructed and existing environments of care are designed and constructed and maintained to comply with the Life Safety Code®.***

The Statement of Conditions should identify all the Life Safety Code deficiencies in your facility. The JCAHO states the purpose as "This Statement of Conditions™ (SOC)™ compliance document has been developed to assist your efforts in creating and maintaining a fire safe environment of care and in demonstrating compliance with the intent of standards of accreditation. Ongoing compliance with the intent of Joint Commission standards identified above will be dependent upon your organization's development and implementation of a process that continually assesses, identifies, and resolves LSC deficiencies. Your organization, through your documented Life Safety Management Plan and applicable policies and procedures, must establish the frequency under the ongoing assessment will occur." It is in the best interest of your facility to identify on the SOC all the

deficiencies and develop the Plan for Improvement (PIF). Prior to the survey team arriving, take your most current SOC™ and review it by walking the facility. Verify the document, and in particular, make sure any new discrepancies you find get annotated on the SOC™.

**EC.2.2. *The safety management plan is implemented.***

The safety officer in your organization must ensure the safety management plan does in fact reflect what the organization is doing. If the safety management plan does reflect the organization's reality, then it must be disseminated to everyone in the organization. That mean's training and testing the effectiveness of the training. If areas of weakness are found, retrain and retest until everyone in the organization knows it cold; or at the very least, where they go to answer the question or how to handle the situation.

**EC.2.4 *The hazardous materials and waste management plan is implemented.***

The facility must take a multi-disciplinary approach to this standard. The involvement of the infection control manager, the bioenvironmental engineer, the flight OICs/NCOICs, and many others in the organization. With this standard, as with the standard addressing implementation of the safety management plan, one of the keys to successful compliance with this standard is training of the MTF staff. Next, the training has to be tested. If the MTF staff does not pass the test, retrain and retest until it is second nature. (AFMLO-FOM-F, Major Dick Hart, DSN 343-4081)

## **Medical Equipment Management**

### **Mandatory Equipment Items For Use In Aeromedical Evacuation System (AES), Patient Movement Items (PMI) Program and War Reserve Materiel (WRM) Programs**

Recently, we have received/seen numerous equipment purchases/requests for either non-flight certified equipment items or old/obsolete equipment items for use in the AES, PMI, or WRM programs. The table below identifies the current mandatory items for use in the AES, PMI, and WRM programs. These items include seven critical pieces of equipment that are fixed wing certified for use on aircraft and use the most current technology. These equipment items have been updated on the Assembly Standards (old WRM TAs) and will be reflected in changes to the UDR. These are the only approved equipment items authorized for procurement to support the AES, PMI, and WRM programs. Additionally, these items should also be purchased for facility peacetime use, unless there are functional or clinical requirements that can only be satisfied with other equipment. When establishing requisitions for these items ensure you are asking for the specific model. No substitutions are acceptable.

Points of contact are Capt Troy Molnar at DSN 343-4083; Mr. Dave Baker at DSN 343-7487; and TSgt Steve Walker at DSN 343-4039. (AFMLO/FOM, Capt Troy Molnar, DSN 343-4083)

<b>Nomenclature</b>	<b>Manufacturer</b>	<b>NSN</b>	<b>Price</b>	<b>Procurement Source</b>
Defibrillator-Lifepak 10-59	Physio Control	6515-01-451-9872J	\$7200	VA
Infusion Pump-MS III	Alaris	6515-01-452-0625J	\$3500	VA
Oxygen Analyzer-MiniOx 3000	MSA	6515-01-440-9394L	\$385	DSCP
Pulse Oximeter-BCI 3303	BCI	6515-01-452-7697L	\$897	DSCP
Suction Pump-326M	IMPACT	6515-01-435-0050L	\$1280	VA
Ventilator-754M	IMPACT	6530-01-455-1653L	\$5983	VA
Vital Signs Monitor-Propaq 206EL	Protocol	6515-01-432-2707L	\$5814	VA

**Shared Procurement Equipment Items  
Currently Available**

AFMML 04-97, Attachment 1, pages 1 and 2, contains a list of all current Shared Procurement contracts and optional contracts available through the Defense Supply Center Philadelphia (DSCP). If you plan to order any of these items for your facility, use the specific ordering instructions and overall program guidance contained in AFMML 04-96, pages CE-4 and CE-5. (AFMLO/FOM-P, Capt Albert Bainger, DSN 343-4168)

**AFMLO Central Buy of Equipment  
Items for Air Transportable Hospitals  
(ATHs) and Hospital Surgical  
Expansion Packages (HSEPs)  
Technology Insertion Projects**

In late September, AFMLO initiated a central buy of four equipment items for the ATH technology insertion program and one item for the HSEP program. The equipment items purchased are shown in the table below and will be shipped to all ATHs and HSEPs.

Instructions were forwarded to all ATH/HSEP bases on how to establish the due-ins and how to process the receipts. It is critical a completed DD Form 250 (Receiving Report) be faxed to Davis-Monthan AFB, Attention: TSgt Babb, at DSN 228-5076 immediately upon receipt of the items. If you have additional questions, contact Capt Molnar. (AFMLO/FOM-P, Capt Troy Molnar, DSN 343-4083)

**“Piggyback” Contracts Currently  
Available**

AFMML 16-96, Attachment 1, pages 4 and 5, contains a list of all current “piggyback” contracts currently available through DSCP. These contracts will allow facilities to “piggyback” requirements onto existing orders placed for specific quantities. Many of these contracts are designed to buy large quantities at reduced prices, and are written with the option of buying additional quantities at the same price. The list includes available quantities and “Order By” dates. To order, send your MILSTRIP requisitions to DSCP, and reference the contract number (from the listing) in the notes section. (AFMLO/FOM-P, Capt Albert Bainger, DSN 343-4168)

WILLIAM H. HILL  
Deputy Chief, Air Force Medical Logistics Office

NSN	Nomenclature	Unit Price	Qty
6515-01-457-1840	Anesthesia Apparatus Field	\$27,969.93	2 per ATH/HSEP
6630-01-411-2405	Analyzer, Clinical Chemistry Amperometric	\$4850	2 per ATH
6500-74-000-1501	Coulter Act 10	\$7272	1 per ATH
6640-01-207-0828	Incubator, Bacteriological	\$1200	1 per ATH