

## **VI. AVIATION LIFE SUPPORT EQUIPMENT (ALSE)**

### **1. Administration Management**

#### **a. Appointment Orders**

(1) Is the Aviation Life Support Officer (ALSO) appointed on unit orders? (*AR 95-1, Chap. 8, pg 31, para 8-1i*) **P / F / NA**

(2) Is an Aviation Life Support Technician (ALST) appointed to assist, advise and represent the ALSO in all matters pertaining to ALSE? (*AR 95-1, Chap. 8, pg 31, para 8-1j*) **P / F / NA**

#### **b. Council Meetings**

(1) Is the ALSO a member of the unit aviation safety council? (*AR 95-1, PG 31, para 8-1i (8)*) **P / F / NA**

(2) Is the ALST a member of the enlisted aviation safety council? (*AR 95-1, pg 31, para 8-1j(4)*) **P / F / NA**

(3) Does the ALST participate as a member of the local ALSE steering council? (*AR 95-1, pg 31, para 8-j(5)*) **P / F / NA**

#### **c. Standing Operating Procedure (SOP)**

(1) Is the ALSO keeping an up-to-date ALSS maintenance management and training programs SOP? (*FM 3-04.508, pg 2-6, para 2-20, bullet 3*) **P / F / NA**

(2) Is the ALSO ensuring the SOPs conformance to DA aviation maintenance and training doctrine? (*FM 3-04.508, pg 2-6, para 2-20, bullet 3 and Appendix A*) **P / F / NA**

#### **d. The Army Records Information Management System (ARIMS)**

(1) Are the record managers and coordinators registered at the appropriate level on the ARIMS website (<https://www.arims.army.mil>)? (*AE 25-400-2, para 5g*) **P / F / NA**

(2) Are Office Record Lists (ORL) being created, approved, and maintained on the ARIMS website? (*AE 25-400-2, para 5h*) **P / F / NA**

(3) Are the ORLs being reviewed for approval by the supporting MSC or ASG records manager? (*AE 25-400-2, para 4b(5)b*) **P / F / NA**

(4) Are units deployed or involved in CONOPS managing their records according to Appendix A? (*AE 25-400-2, Appendix A*) **P / F / NA**

(5) Does the filing labels contain the correct information according to AE 25-400-2? (*AE 25-400-2, para 5a,b,c & d*) **P / F / NA**

(6) Is all record information being identified and properly marked and stored? (*AE 25-400-2, para 5a-d*) **P / F / NA**

(a) Are paper, floppy disks, or similar media, labels handwritten or printed off of the ARIMS website?

(b) Does digital record information on shared network drives, hard drives, or other similar storage devices include the information in para 5d (1) a-e?

(c) Are all folders and containers used to store official record information, including personal e-mail folders and shared folders on servers, labeled?

(7) Is the checklist in Appendix C used to evaluate the records management program? (*AE 25-400-2, para 5i*) **P / F / NA**

#### **e. Forms and Records**

(1) Are material condition tags and labels filled out using blue or black waterproof ink? (*DA Pam 738-751, pg 74, para 3-20b(1)*) **P / F / NA**

(2) Are the ALSO/ALST on orders to sign off material condition tags after inspections are performed? (*TM 1-1500-204-23-1, pg 11-17, para 11-19j*) **P / F / NA**

#### **f. Deficiency Reports**

(1) When the unit identifies the need for a Product Quality Deficiency Report (PQDR) or Equipment Improvement Recommendation (EIR) are they being submitted? (*AR 750-1, pg 75, para 7-9e*) **P / F / NA**

When submitted, are the ALSE inspectors:

(a) Maintaining a PQDR file? (*FM 3-04.500, pg 8-9, para 8-27*) **P / F / NA**

(b) Assigning PQDR control numbers? (*FM 3-04.500, pg 8-9, para 8-27*) **P / F / NA**

(c) Establishing a PQDR log? (*FM 3-04.500, pg 8-9, para 8-27*) **P / F / NA**

(d) Checking PQDR's for accuracy? (*FM 3-04.500, pg 8-9, para 8-27*) **P / F / NA**

(e) Ensure that all applicable forms and records accompany the exhibit? (*DA Pam 738-751, pg 64, para 3-3*) **P / F / NA**

(f) Review TB 43-0001 prior to submitting the PQDR? (*FM 3-04.500, pg 8-9, para 8-27*) **P / F / NA**

#### **g. Publications / Shop Library**

(1) Does each shop maintain a complete, up-to-date set of technical publications for all supported equipment? (*FM 3-04.508, pg 2-24, para 2-87*) **P / F / NA**

(2) Are publications filed by type , then numerically-alphabetically? (*DA Pam 25-40, pg 160, para E-13a*) **P / F / NA**

(3) Are ALSOs and ALSTs reviewing publication files (technical libraries) within the shop periodically but not less than quarterly? (*FM 3-04.508, pg 2-31, para 2-126*) **P / F / NA**

(4) Are changes to publications posted correctly? (*DA Pam 25-40, pgs 150 thru 162, Appendix E*) **P / F / NA**

(5) Is the TM familiarization chart being maintained? (*FM 3-04.500, pg 8-6, para 8-18*) **P / F / NA**

## **2. Training**

### **a. ALSE Personnel Training**

(1) Is the ALST school trained, and did the U.S. Army Aviation Center (USAAVNC) approve the course of instruction? (*TM 1-1500-204-23-1, pg 11-1, para 11-4*) **P / F / NA**

(2) Does the unit have proper ALSE and have unit personnel received proper training commensurate with the mission and operational environment? (*AR 95-1, pg 30, para 8-1c*) **P / F / NA**

(3) Does the ALSO submit to the unit training officer all ALSE training requirements? (*TM 1-1500-204-23-1, pg 11-1, para 11-2*) **P / F / NA**

### **b. ALSS Training Program**

(1) Does the unit have a ALSS training program for all crewmembers who engage in regular and frequent flights in the use of survival equipment? (*FM 3-04.508, pg 6-16, para 6-56*) **P / F / NA**

(2) Does the ALSS training program include the following subject areas and is the training conducted annually? (*FM 3-04.508, pg 6-15, para 6-51*) **P / F / NA**

- (a) Aircrew Body Armor
- (b) Flight Helmets
- (c) Flight Clothing
- (d) Aviation Survival Kits and Components
- (e) First-Aid Kits
- (f) Anti-exposure Suits
- (g) Survival Vests and Components
- (h) The ALSS Maintenance Program
- (i) The ALSS Training Program
- (j) Aircrew Restraint Harness
- (k) Oxygen Systems
- (l) Survival Transmitters and Receivers
- (m) Flotation Equipment
- (n) Protective Equipment
- (o) Survival Training
- (p) Carried and Worn Subcomponents

(2) Are the ALSS training program requirements a part of the unit's annual training calendar? *(FM 3-04.508, pg 6-16, para 6-56)* **P / F / NA**

(3) Are shop personnel maintaining locally produced sign-in attendance rosters? *(FM 3-04.508, pg 6-15, para 6-52)* **P / F / NA**

(4) Is make-up training be conducted for those who miss scheduled training? **P / F / NA**

(5) Does the ASO monitor unit the ALSS training program? *(AR 385-95, pg 5, para 1-6c (18))* **P / F / NA**

### **c. ALSE Survival Training**

(1) Does the unit have a Search, Escape, Resistance, Evasion (SERE) training program for all crewmembers who engage in regular and frequent flights? *(FM 3-04.508, pg 6-16, para 6-56)* **P / F / NA**

(2) Does the ASO monitor the unit SERE training program? *(AR 385-95, pg 5, para 1-6c (18))* **P / F / NA**

(3) Is the ALSO ensuring personnel who conduct survival training are competent in all aspects of the training? *(AR 95-1, pg 30, para 8-1i(3))* **P / F / NA**

## **3. Equipment Inspections**

### **a. Aircraft Modular Survival System (AMSS) Kits**

(1) Are the minimum mandatory items, for the AMSS included in the survival kit? *(TM 1-1680-377-13&P, surv. equip-AMSS-descr & theory-equip descr & data, frame 13)* **P / F / NA**

(2) Are all AMSS kits inspected prior to issue and every 360 days + or – 6 days as required? *(TM 1-1680-377-13&P, surv. equip-AMSS-AVUM-intro PMCS, frame 14)* **P / F / NA**

(3) Are AMSS kits located in the aircraft according to aircraft type or SOP? *(TM 1-1680-377-13&P, surv. equip-AMSS-descr & theory- equip descr & data, frame 10)* **P / F / NA**

(4) Does the location of the AMSS kits on the aircraft agree with the weight and balance forms? *(TM 1-1680-377-13&P, surv. equip-AMSS-descr & theory- equip descr & data, frame 12)* **P / F / NA**

(5) Are items inside the AMSS, which may possibly leak, corrode or spoil vacuum sealed? *(TM 1-1680-377-13&P, surv. equip-AMSS-equip chk proc, frame 4)* **P / F / NA**

(6) Are the lot numbers for the distress signals stored in the AMSS entered on the reverse side of DD Form 1574 (yellow serviceable tag) to facilitate checking numbers? *(TM 1-1680-377-13&P, surv. equip-AMSS-descr & theory- equip descr & data, frame 4)* **P / F / NA**

(7) Are ALSE items overdue inspection properly tagged and identified as being overdue inspection? (*DA Pam 738-751, pg 74, para 3-20b(1)*) **P / F / NA**

**b. Survival Vests**

(1) Are pressure sensitive labels used on first aid kits at a point adjacent to the opening of the zip lock bag? (*TM 55-1680-317-23&P, pg 2-71, para b.4*) **P / F / NA**

(2) Are components of the survival vest stored in their proper pockets? (*TM 55-1680-317-23&P, TM 55-1680-351-10*) **P / F / NA**

(3) Is a small inspection label, with the battery replacement and inspection date placed across side of the light? (*TM 55-1680-322-12, pg 8, para 14a*) **P / F / NA**

(4) Are all critical items attached to the vest with nylon cord i.e. mirror, strobe, flares, etc? (*TM 55-1680-317-23&P, pg. 2-20, Table 2-1*) Note: *TM does not list critical items, critical items are at ALSE technicians discretion* **P / F / NA**

**c. Survival Radios**

(1) Are the AN/PRC-90-2 survival radios inspected by AVUM every 30 days? (*TM 11-5820-800-13&P, pg 4-5, para 4-9*) **P / F / NA**

(2) Are the AN/PRC-90-2 survival radios inspected by AVIM every 120 days? (*TM 11-5820-800-13&P, pg 4-5, para 4-9*) **P / F / NA**

(3) Are the AN/PRC-112 survival radios inspected by AVIM annually? (*TM 11-5820-1037-13&P, pg 4-2, para 4-6*) **P / F / NA**

(4) Is the unit properly disposing used/depleted lithium sulfur dioxide batteries? (*TM 11-5820-1037-13&P, Appendix G, pg G-6*) **P / F / NA**

(5) Is a Class D fire extinguisher, NSN 4210-01-303-3999, posted near lithium sulfur dioxide battery storage and disposal areas for PRC-112 radios (BA-5112/U)? (*TM 11-5820-1037-13&P, pg a*) **P / F / NA**

(6) Is the AVIM unit attaching the appropriate material condition tag to the survival radio prior to returning them to the owning unit? (*DA Pam 738-751, pg 74, para 3-20(2)*) **P / F / NA**

(7) Is a DA Form 2408-23 maintained and filled out correctly on all assigned survival radios? (*DA Pam 738-751, pg 218, para 5-7*) **P / F / NA**

**d. HGU-56/P & IHADSS Flight Helmets**

(1) Is the fitting and use of ALSE by aircrew personnel monitored by flight surgeons and aeromedical advisors? (*AR 95-1, pg 30, para 8-1 g (3)*) **P / F / NA**

(2) Are deficiencies, shortcomings and corrective actions properly recorded on DA Form 2408-22? (*TM 1-8415-216-12&P, pg 4-2, para 4-7c*) **P / F / NA**

(3) Are helmets marked with the flight crewmember's name to assist in the ALSS retrieval program? *(DA Pam 385-40, pg 9, para 2-4h)* **P / F / NA**

(4) Are issued helmets inspected every 180 days? *(TM 1-1680-377-13&P, baseline equip-HGU-56/P-maint instr-unit PMCS)* **P / F / NA**

(5) Are HDU receiver alignment checks conducted every 120 days? *(TM 9-1270-233-23&P, Chap. 2, para 2-3-2)* **P / F / NA**

**e. ANVIS Visors**

(1) Are the ANVIS mount visors that are attached to the flight helmet have a continuity test conducted every 120 days? *(TM 11-5855-263-10)* **P / F / NA**

(2) When attached to the aircrew members flight helmet is the ANVIS 6 mount continuity inspection properly annotated on the DA Form 2408-22? *(DA Pam 738-751, pg 218, para 5-6(6))* **P / F / NA**

(3) Are ANVIS visor/mount(s) not in use tagged? *(DA Pam 738-751, pg 74, para 3-20(2))*  
*Note: DA Form 2408-22 is not required for each additional visor/mount on hand* **P / F / NA**

(4) Have ALSS personnel received AVUM/AVIM ANVIS maintenance training and is it documented before performing ANVIS visor continuity checks? *(IAW Night Vision Goggle ASAM GEN-04-ASAM-01, para 7.7.2.3 NOTE)* **P / F / NA**

**f. Flotation Equipment**

(1) Are CO2 cylinders larger than 2 inches in diameter and 2 feet in length hydrostatic tested? *(TM 5-4220-202-14, Chap. 8, para 8-1, note)* **P / F / NA**

(2) Are 5% of LPU-10/P life preservers functionally tested? *(TM 5-4220-202-14, Chap. 5, para 5-18c)* **P / F / NA**

(3) Are life preservers given a periodic inspection at the initial installation and at intervals not to exceed 1 year + or – 10 days of established interval. *(TM 5-4220-202-14, pg 5-57, para 5-18.b)* **P / F / NA**

(4) Is a separate DA Form 2408-21 used for overwater survival kits? *(DA Pam 738-751, pg 128-129, fig. 3-12)* **P / F / NA**

(5) Does the using unit maintain records for all assigned flotation equipment? *(DA Pam 738-751, pg 262, table D-1)* **P / F / NA**

(6) Are leakage tests performed on the LRU-18/U life raft every 360 days + or – 6 days? *(TM 1-1680-354-23&P, pg 4-2, para 4.5.2 (b))* **P / F / NA**

(7) Are LRU-18/U life raft functional tests performed every third 120 days + or – 10 days? *(TM 1-4220-250-12&P, pg 4-11, Note)* **P / F / NA**

(8) Is all flotation training equipment marked “For Training Only”? *(TM 1-1500-204-23-1, pg 11-2, para 11-12)* **P / F / NA**

(9) Are all E-2B or LRU-1/P life raft assemblies properly marked IAW table 5-7 and 5-8? *(TM 55-4220-202-14, pg 5-16, table 5-7, 5-8, 5-11, 5-12)* **P / F / NA**

### **g. ALSE Shop**

(1) Is the area within the ALSE shop IAW Army safety regulations, i.e. no smoking signs, exit signs, etc? *(TM 1-1500-204-23-1, pg 11-1, para 11-3)* **P / F / NA**

(2) Does the ALSE shop contain the following to accomplish the mission: CD-ROM, desk and chair, bookcase, file cabinet, library, visual boards, blank forms, and a computer with a printer? *(TM 1-1500-204-23-1, pg 11-1, para 11-6)* **P / F / NA**

(3) Is loitering of personnel in the ALSE shop strictly prohibited? *(TM 1-1500-204-23-1, pg 11-2, para 11-8)* **P / F / NA**

(4) Does the shop contain not less than 1,000 square feet of usable area that is environmentally controlled within a range of 60 degrees F (15.6 degrees C) to 75 degrees F (23.8 degrees C) and have a potable water source? *(TM 1-1500-204-23-1, pg 11-2, para 11-7)* **P / F / NA**

(5) Does the ALSE shop have an adequate work area, storage area and fitting area? *(TM 1-1500-204-23-1, pg 11-2, para 11-8)* **P / F / NA**

(6) Does the ALSE maintenance area provide adequate, clean and well-lighted work areas with proper storage, shelving and security provisions? *(AR 95-1, pg 33, para 8-18a)* **P / F / NA**

(7) Does the ALSE shop have appropriate fire extinguishers on hand? *(TM 1-1500-204-23-1, pg 11-1, para 11-3)* **P / F / NA**

(8) Are Class C, type 3 or 4 (according to local fire policies) explosives signs posted on the ALSE door, on each corner of the building and on the cabinet where pyrotechnics are stored? *(DA Pam 385-64, pg 14, para 3-15)* **P / F / NA**

(9) Have preventive steps been taken to protect equipment from damage caused by dirt, dust, dampness, fire, insects, rodents, direct sunlight and other foreign material? *(FM 1-508, pg 3-0, para 3-1)* **P / F / NA**

(10) Are workbenches smooth and free from splinters, sharp projections, oil stains and so forth? *(AR 95-1, pg. 33, para. 8-18(c))* **P / F / NA**

(11) Are storage areas with abrasive characteristics covered with a suitable covering before storing ALSE? *(FM 1-508, pg 3-1, para 3-5)* **P / F / NA**

### **h. Aviation Life Support Equipment**

(1) Are inspection intervals complied with? *(FM 3-04.508, pg 2-15, para 2-59)* **P / F / NA**

(2) Do ALSE technicians ensure that all ALSE is maintained to a high state of readiness through inspecting, cleaning, fitting, testing, adjusting and repairing? *(AR 95-1, pg 31, para 8-1j(2))*

**P / F / NA**

(3) Does the ALSE shop have the required serviceable tools? *(FM 3-04.508, pg 5.0)*

**P / F / NA**

#### **4. Supply**

##### **a. ALSE Supply**

(1) Has the commander identified funds for maintaining and replacing ALSE? *(AR 95-1, pg 30, para 8-1e)*

**P / F / NA**

(2) Has a bench stock list been established with all essential elements of data as required? *(AR 710-2, pg 48, para 2-24e(1))*

**P / F / NA**

(3) Are bench stock replenishment tags, DA Form 1300-4, used with all of the essential elements of data as required? *(AR 710-2, pg 48, para 2-24e(2))*

**P / F / NA**

(4) Is the bench stock list reviewed/approved by the maintenance officer semi-annually? *(AR 710-2, pg 47, para 2-24b)*

**P / F / NA**

(5) Is a reconciliation conducted on a quarterly basis to ensure proper status of parts ordered? *(AR 710-2, pg 28, para 2-7d)*

**P / F / NA**

(6) Do all items on the bench stock list qualify to be bench stock? *(AR 710-2, pg 47, para 2-24c)*

**P / F / NA**

##### **b. Temporary Storage of ALSE**

(1) Are AMSS kits and vests that are placed in storage inspected and repaired if needed? *(TM 1-1500-204-23-1, pg 11-2, para 11-13a)*

**P / F / NA**

(2) Have all pyrotechnics, i.e. matches, flares, fuel, etc., been removed from kits and vests prior to storage? *(TM 1-1500-204-23-1, pg 11-2, para 11-13a)*

**P / F / NA**

(3) Have all AMSS kits been appropriately tagged and does the tag reflect contents that have been removed? *(TM 1-1500-204-23-1, pg 11-2, para 11-13a)*

**P / F / NA**

(4) Has the signal kit, personnel distress been removed from the survival vest? *(TM 1-1500-204-23-1, pg 11-3, para 11-13b)*

**P / F / NA**

(5) Has the radio been removed from the vest and is the battery stored properly? *(TM 1-1500-204-23-1, pg 11-3, para 11-13b)*

**P / F / NA**

(6) Is the light marker, distress and batteries removed from the survival vests? *(TM 1-1500-204-23-1, pg 11-3, para 11-13b)*

**P / F / NA**

(7) Are the survival vests tagged appropriately and hung on a hanger for storage and are the items removed from the vest annotated on the tag? (TM 1-1500-204-23-1, pg 11-3, para 11-13b)

**P / F / NA**

(8) Are pyrotechnics removed from life raft assemblies prior to storage? (TM 5-4220-202-14, pg 3-1, para 3-2.2)

**P / F / NA**

(9) Are life rafts prevented from being stored above or close to heat sources? (TM 5-4220-202-14, pg 3-1, para 3-2.2)

**P / F / NA**

(10) Is all newly assigned ALSE equipment inspected upon receipt and prior to issue? (TM 1-1500-204-23-1, Chap. 11, pg 11-4)

**P / F / NA**

(11) Are serviceable, unserviceable and condemned equipment stored separately and tagged with the appropriate material condition tag? (DA Pam 738-751, pg 80, para 3-37)

**P / F / NA**

(12) Are medical kits inspected according to the appropriate publications? (TM 1-1500-204-23-1, pg 11-14, para f(1))

**P / F / NA**

(13) Has an SOP for all explosives operations been developed to ensure workers have the information necessary to perform their tasks safely? (DA Pam 385-64, pg 2, para 2-3a)

**P / F / NA**

### **c. Flight Clothing**

(1) Is flight clothing inspected, repaired and cleaned IAW the appropriate TM? (TM 10-8400-202-13, Section 3)

**P / F / NA**

(2) Are crewmembers adequately cleaning their assigned flight clothing? (TM 10-8400-202-13, Section 4, para 4-1)

**P / F / NA**

(3) Is flight clothing turned in for direct exchange when unserviceable? (TM 10-8400-201-23, Table 1-8, SMR codes, pg. 1-21)

**P / F / NA**

(4) Is the following Army approved clothing and equipment worn by all crewmembers when performing crew duties: leather boots, flight helmets, flight suits, flight gloves, cotton, wool or nomex underwear and identification tags? (AR 95-1, pg 32, para 8-9)

**P / F / NA**

### **d. Equipment Accountability**

Does each aviator or crewmember that is assigned property have a hand-receipt, DA Form 2062? (DA Pam 710-2-1, pg 85, para 6-2e)

**P / F / NA**

### **REFERENCES:**

AR 25-400-2	18 Mar 03
AR 95-1	01 Sep 97
AR 385-95	10 Dec 99
AR 670-1	05 Sep 03
AR 710-2	25 Feb 04

14 June 2004

AR 750-1	18 Aug 03
DA Pam 25-40	29 Dec 03
DA Pam 385-64	15 Dec 99, Chg 1
DA Pam 710-2-1	31 Dec 97
DA Pam 738-751	15 Mar 99
TM 1-1500-204-23-1	31 Jul 92, Chg 3
TM 1-1680-377-13&P	24 May 04, (EM 0250)
TM 1-1680-360-12	01 Mar 98, Chg 6 (NAVAIR 13-1-6.7-4)
TM 5-4220-202-14	01 Apr 86, Chg 15 (T.O. 14S-1-102)
TM 9-1270-233-23&P	15 Dec 88, Chg 16
TM 10-8400-201-23	07 May 90, Chg 6
TM 10-8400-202-13	15 Oct 72, Chg 20
TM 11-5820-800-13&P	05 Mar 85, Chg 2
TM 11-5820-1037-13&P	15 May 93, Chg 1
TM 55-1660-245-13	01 Aug 81, Chg 20
TM 55-1680-317-23&P	26 Mar 87, Chg 9
TM 55-1680-322-12	15 Jun 87, Chg 3
FM 3-04.508	02 Feb 04
FM 3-04.500	26 Sep 00
EM 0001	01 Jul 03
CTA 50-900	01 Sep 94, Chg 1 (go to OCIE website)
GEN-04-ASAM-01	24 Mar 04