

**BY ORDER OF THE COMMANDER
18TH WING (PACAF)**

18TH WING INSTRUCTION 10-703



**8 OCTOBER 2009
Certified Current, 26 July 2021
Operations**

**ELECTRONIC WARFARE INTEGRATED
REPROGRAMMING**

COMPLIANCE WITH THIS PUBLICATION IS MANDATORY

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Certified by: 18 OSS/CC
(Lt Col Joseph E. Coogan)

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This instruction implements AFD 10-7, *Information Operations* and the procedures outlined in AFI 10-703, *Electronic Warfare Integrated Reprogramming*. It outlines the responsibilities, alerting procedures, and reporting for Electronic Warfare Integrated Reprogramming (EWIR) in the event of SERENE BYTE/PACER WARE (SB/PW) reprogramming in the 18th Wing (18 WG). Throughout this instruction, SB/PW reprogramming will frequently be referred to as “reprogramming.” This instruction applies to all personnel assigned to the 18 WG that participate in the reprogramming of electronic warfare systems. This publication does not apply to the Air National Guard, US Air Force Reserve or tenant units on Kadena which have EWIR procedures in accordance with their parent major command (MAJCOM). Refer recommended changes and questions about this publication to the Office of Primary Responsibility (OPR) using the AF Form 847, *Recommendation for Change of Publication*; route AF Form 847s from the filed through the appropriate functional’s chain of command. Ensure that all records created as a result of processes prescribed in this publication are maintained in accordance with Air Force Manual (AFMAN) 33-363, *Management of Records*, and disposed of in accordance with the Air Force Records Information Management System (AFRIMS) Records Disposition Schedule (RDS) located at <https://www.my.af.mil/gcss-af61a/afirms/afirms/>. This instruction requires collecting and maintaining information protected by the *Privacy Act of 1974* authorized by 10 U.S.C. 8013, Secretary of the Air Force: powers and duties; delegation by, and E.O.9397 (SSN). System of records notice F011 ACC B, Airborne Warning and Control System (AWACS), applies.

SUMMARY OF CHANGES

This revision has major changes and should be reviewed in its entirety. Major changes include the responsibilities of 18 WG Electronic Warfare Officer (ECO), 18 WG Command Post (CP), and the Wing Avionics Manager.

1. 18 OSS/OSKE: 18 WG ECO Responsibilities.

- 1.1. Maintain 18 WG SB/PW account and be the primary point of contact for all reprogramming messages.
- 1.2. Notify affected squadrons when reprogramming messages are received and monitor progress of reprogramming actions.
- 1.3. Submit a Unit Load Message (ULM) in accordance with AFI 10-703 within 72 hours of reprogramming completion. Send a completed message to Air Combat Command (ACC) and courtesy copy to Pacific Air Force (PACAF), the 18th Operations Group Commander (18 OG/CC)/the 18th Operations Support Squadron Commander (18 OSS/CC).
- 1.4. Ensure squadron Electronic Combat Pilots (ECPs) has access to the Secure Internet Protocol Router Network (SIPRNET) 18 WG-PWv3 account.
- 1.5. Check the SB/PW account daily during normal duty hours/days for reprogramming messages. If unable, designate a squadron ECP to check the account.
- 1.6. Ensure 18 WG-PWv3 account messages are forwarded to the 18 WG Maintenance Operations Center (MOC) SIPRNET account.
- 1.7. Ensure the appropriate information from the SB/PW messages is passed to all affected Fighter Squadrons and briefed as necessary.
- 1.8. Provide MOC a list of individuals to be contacted in the event messages are received to include non-duty hours/days. List will include names, security clearances, and off-duty means of contact (home phone, cell phone, pager, etc.). Update this list as necessary.
- 1.9. Obtain approval from 18 OG/CC prior to reprogramming any 18 WG aircraft.
- 1.10. Maintain access to the Eglin Multi-Service Data Distribution System (MSDDS).

2. Each affected squadron ECP will:

- 2.1. Upon notification of messages by 18 OSS/OSKE (18 WG ECO) contact respective squadron maintenance to ensure reprogramming messages have been received and appropriate actions are taken.
- 2.2. Assist squadron maintenance as necessary in obtaining software.
- 2.3. Ensure all weapons officers, pilots, and intelligence personnel are aware of the changes and effects following reprogramming.
- 2.4. Both before and after reprogramming immediately notify 18 WG ECO of any degradation to system effectiveness.
- 2.5. If problems are encountered, notify 18 WG ECO.

3. The 18 WG Maintenance Operations Center (MOC) will:

- 3.1. Maintain a SIPRNET organization account for receipt of reprogramming messages and be the primary point of contact for messages received during on-and-off duty hours.
- 3.2. Check the account twice a day for forwarded messages concerning SB/PW reprogramming actions. **Note:** During exercises and contingences, MOC will monitor the inbox at all times.
- 3.3. When a message is received, follow the SB/PW Emergency Action Checklist #62 to further detail SB/PW reprogramming actions.
- 3.4. When contacting people on the checklist, start at the top of the list until someone is reached. The individual contacted will then be responsible for directing follow up actions regarding reprogramming. **Note:** If the primary people cannot be notified, continue with checklist and determine next in line to contact according to message.
- 3.5. Contact Deployed MOC (if applicable) and inform them of the SB/PW message.
- 3.6. Keep track of programming starts and stops on aircraft and provide that info to the Wing Avionics Manger (WAM).

4. The deployed 18 WG MOC will:

- 4.1. Upon notification of SB/PW message, follow the SB/PW Emergency Action Checklist #62.
- 4.2. Confirm deployed ECP has received notification of SB/PW reprogramming.
- 4.3. Keep track of programming starts and stops on aircraft and provide that info to the Wing Avionics Manger.
- 4.4. If problems are encountered, notify 18 WG ECO.

5. Each affected squadron maintenance will:

- 5.1. Establish an account on the MSDDS.
- 5.2. Establish a SIPRNET organization account.
- 5.3. Ensure an adequate number of personnel are properly trained on downloading software on all methods of reprogramming to include any alternate procedures to be followed during deployments.
- 5.4. Ensure programming equipment is operational and properly maintained.
- 5.5. Establish notification procedures within the section to ensure qualified personnel are available in the event reprogramming is required during other than normal duty hours.
- 5.6. Upon notification of a message send an individual to MOC to receive the message or go to the MSDDS and download the message.
- 5.7. During deployments, contact the 18 WG ECO at home station and establish a point of contact for SB/PW messages if no other direction or authority is present.
- 5.8. Avionics Intermediate Shop (AIS):
 - 5.8.1. Upon notification of reprogramming, contact supply and arrange for delivery of supply assets for reprogramming.

5.9. Do not implement reprogramming until authorization is received from 18 OG/CC, 18 WG ECO or designated representative.

5.10. If problems are encountered, notify 18 WG ECO or 18 WG WAM.

6. 18 WG Command Post (CP):

6.1. If a SB/PW message is received in CP, notify and forward the message to MOC.

6.1.1. If a message is received during exercise or contingency operations, provide the Commander's Senior Staff Director a copy of the message.

7. The Wing Avionics Manager will:

7.1. Assist 18 WG ECO in SB/PW reprogramming.

7.2. Act as an alternate 18 WG ECO for reprogramming.

7.3. Establish access to the MSDDS system.

7.4. Monitor the reprogramming effort and assist if problems are encountered.

7.5. In coordination with 18 WG ECO, coordinate SB exercises for the 18 WG.

7.6. Provide 18 WG ECO updates on reprogramming.

7.7. Assist 18 WG ECO in updating SB/PW authorization lists.

7.8. Compile an after action report for 18 WG ECO (See [Attachment 2](#) for sample).

8. Prescribed and Adopted Forms.

8.1. Prescribed Forms.

There is no form prescribed.

8.2. Adopted Forms.

AF Form 847, *Recommendation for Change of Publication*

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Attachment 1**GLOSSARY OF REFERENCES AND SUPPORTING INFORMATION*****References***

AFPD 10-7, *Information Operations*, 6 September 2006

AFI 10-703, *Electronic Warfare Integrated Reprogramming*, 30 November 2007

SB/PW Emergency Action Checklist #62

Abbreviations and Acronyms

ACC—Air Combat Command

AIS—Avionics Intermediate Shop

AFMAN—Air Force Manual

AFRIMS—Air Force Records Information Management System

CP—Command Post

CP—Command Post

ECO—Electronic Warfare Officer Combat

ECP—Electronic Combat Pilot

EWIR—Electronic Warfare Integrated Reprogramming

MOC—Maintenance Operations Center

MSDDS—Multi-Service Data Distribution Service

OPR—Office of Primary Responsibility

PACAF—Pacific Air Force

PW—Pacer Ware

SB—Serene Byte

SIPRNET—Secure Internet Protocol Router Network

ULM—Unit Load Message

WAM—Wing Avionics Manager

Attachment 2**SAMPLE AFTER ACTION REPORT****Figure A1.1. SAMPLE AFTER ACTION REPORT**

MEMORANDUM FOR 18 OSS/OSKE

FROM: 18 WG Wing Avionics Manger (WAM)

SUBJECT: SERENE BYTE/ PACER WARE (SB/PW) After-Action Report

1. The following information fulfills the After-Action Report requirements per WGI 10-703:
 - a. Person received notification:
 - b. Date/time received notification:
 - c. Contacted by:
 - d. System(s) requiring reprogramming:
 - e. All support equipment serviceable? Yes/No If no, explain:
 - f. Program downloaded from Multi-Service Data Distribution System (MSDDS) successfully? Yes/No Problems:
 - g. Date/Time began reprogramming:
 - h. Date/Time reprogramming finished:
 - i. All affected equipment/LRUs/aircraft completed? Yes/No If no, why?
 - j. Problems encountered:
 - k. Lessons learned:
 - l. Recommendations:
 - m. During exercise, date/time all equipment/LRUs/aircraft were returned to original configuration (if required):
2. Questions regarding this after-action report can be referred to the 18 WG WAM, 634-5780.

NAME

18 Wing Avionics Manager