

**BY ORDER OF THE COMMANDER,
354TH FIGHTER WING (PACAF)**



AIR FORCE INSTRUCTION 10-703

**354TH FIGHTER WING
Supplement 1**

7 JUNE 2001

Operations

**ELECTRONIC WARFARE INTEGRATED
REPROGRAMMING**

COMPLIANCE WITH THIS PUBLICATION IS MANDATORY

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AFI 10-703, 1 July 1996, is supplemented as follows:

This instruction establishes procedures for the 354 FW to accomplish Electronic Warfare Integrated Reprogramming (EWIR) in the event of a SERENE BYTE (SB) or PACER WARE (PW) and implements AFD 10-7, Command and Control Warfare. This instruction applies to all units involved with EWIR.

SUMMARY OF REVISIONS

This document is substantially revised and must be completely reviewed.

Chapter 6 (Added)

LOCAL SERENE BYTE/PACER WARE PROCEDURES AND RESPONSIBILITIES

6.1. Introduction:

6.1.1. This chapter defines local procedures and responsibilities for reprogramming Electronic Warfare (EW) systems under the SB/PW program. To ensure a timely and orderly flow of data and message traffic to the 354th Fighter Wing (354 FW) organizations affected, the following EW reprogramming procedures are established.

6.1.2. All personnel involved in the EW reprogramming process will read and comply with procedures and concepts of reprogramming listed in:

6.1.2.1. AFI 10-703, *Electronic Warfare Integrated Reprogramming*.

6.1.2.2. Worldwide SERENE BYTE Exercise Plan.

6.2. General:

6.2.1. The SB/PW process reprograms EW systems rapidly and efficiently to meet a changing threat. The 354 FW affected systems are the AN/ALR-69 Radar Warning Receiver (RWR) and ALR-56M RWR, the AN/ALQ-184 Electronic Countermeasures (ECM) Pod, and the ALE-47 Chaff/Flair Dispenser System (CMDS).

6.2.2. The procedures for a SB and a PW are the same except that a SB is an exercise and a PW is a real-world EWIR event. Normally, a SB only requires that two units per squadron be reprogrammed. Timeliness is the most critical element of a SB/PW.

6.2.3. The event coordinator for all SB/PW events is the wing Electronic Combat Pilot (ECP) or his designated representative. The wing ECP office is 354 OSS/OSK, Wing Weapons and Training. The alternate event coordinator is an OSK flight member, followed by the senior-ranking squadron ECP.

6.2.4. ACC has directed that AUTODIN no longer be used to transmit SB/PW messages. The new method will be via SIPRNET, using the Defense Messaging System (DMS). DMS uses Microsoft Outlook but adds encryption capability. This will greatly streamline and enhance the EWIR process by reducing reliance upon the Base Communication Center (BCC) and provides a rapid dissemination of messages via e-mail, while still maintaining security.

6.2.5. For DMS accounts and technical assistance, contact DMS System Administration at 377-2575.

6.2.6. The wing ECP is the entry and exit point for any and all messages concerning SB/PW. No other unit should transmit messages from the 354 FW concerning these matters.

6.3. Responsibilities:

6.3.1. Wing ECP:

6.3.1.1. Monitor the 354 FW SB/PW Defense Messaging System (DMS) mailbox.

6.3.1.2. Ensure rapid dissemination of EW reprogramming messages from the DMS mailbox to the classified internet accounts of the affected organizations. Every message forwarded shall be accompanied by a courtesy copy to the MOC.

6.3.1.3. Assist the BCC in maintaining a minimal SB/PW Authorized Recipient list to be used in the event that there are unforeseen computer system malfunctions that prevent normal flow of DMS messages.

6.3.1.4. POC for after-action reports are required IAW AFI 10-703 and Worldwide SERENE BYTE Exercise Plan.

6.3.1.5. Transmit Unit Loading Message (ULM) to required agencies.

6.3.1.6. POC for Operational Change Requests (OCRs) for resident EW systems.

6.3.1.7. In case of network outages, contact the 53 WG, Eglin AFB via telephone at DSN 312-872-2052. Messages can then be received via secure fax.

6.3.2. Squadron ECPs:

6.3.2.1. Obtain an organizational SIPRNET DMS mailbox and conduct a daily check of the mailbox for any new SB or PW messages.

6.3.2.2. Be prepared to assume the duties of the wing ECP in his absence.

6.3.2.2.1. Obtain a Fortezza card, which will allow access to the 354 FW-PW DMS account. The wing ECP will have instructions on how to obtain this item.

6.3.2.3. Brief all changes in equipment settings, displays and function to pilots.

6.3.2.4. Coordinate with squadron intelligence personnel and the wing ECP to investigate and unusual EW indications and assess reprogramming needs.

6.3.3. 354 MXS/LGMVE NCOIC:

6.3.3.1. Obtain an organizational SIPRNET DMS mailbox and conduct a daily check of the mailbox for any new SB or PW messages.

6.3.3.2. Obtain a Fortezza Card, which will allow access to the 354 FW-PW DMS account. The wing ECP will have instructions on how to obtain this item.

6.3.4. BCC:

6.3.4.1. Work with the wing ECP to maintain the SB/PW Authorized Recipient list, to provide a backup means of SB/PW notification. See [Attachment 1](#) for an example.

6.3.4.2. When necessary, notify the affected organizations IAW the SB/PW Authorized Recipient List. Log the notification times.

6.3.4.3. Provide data messages on request to individuals authorized for receipt.

6.3.4.4. Provide guidance and assistance as required to all affected organizations in gaining and maintaining access to SIPRNET DMS accounts.

6.3.5. MOC:

6.3.5.1. Completion of the **354 FW Form 026**, Serene Byte/ Pacer Ware Checksheet.

6.3.5.2. Forward the completed 354 FW Form 026 to the wing ECP or his representative for completion of the Unit Load Message (ULM).

6.3.6. Intelligence Flight (OSS/IN):

6.3.6.1. Review all message traffic and monitor pilot debriefings for unusual EW indications.

6.3.6.2. Notify the Wing ECP of any unusual ELINT data.

6.3.6.3. Provide reports IAW AFI 10-703 on all significant threat changes.

6.3.7. All affected organizations are responsible for the following:

6.3.7.1. Obtain an organizational S SIPRNET DMS mailbox and conduct a regular check of the mailbox for any new SB or PW messages.

6.3.7.2. Comply with all technical order (TO) requirements for test and maintenance of reprogramming equipment and support software.

6.3.7.3. Upon reception of SERENE BYTE/PACER WARE message traffic from the wing ECP, retrieve the message/data from the Multi-Service Electronic Warfare Electronic Bulletin Board System (MSEWBBS) or the BCC as necessary.

6.3.7.4. Log all message receipt times, action, start, and completion times on **354 FW Form 025**, Electronic Warfare Integrated Reprogramming Checksheet. Any problems encountered will also be logged.

6.3.7.5. Complete all reprogramming actions as expeditiously as possible.

6.3.7.6. Forward completed 354 FW Form 025 to wing ECP or his representative for completion of ULM.

6.3.7.7. Provide the BCC with a letter containing the names of those individuals authorized to receive SB/PW messages. This letter will be updated every six months.

6.4. For wing exercises and deployments, the SERENE BYTE/PACER WARE procedures will remain the same with the deployed elements (actual or simulated) of all reprogramming POCs assuming their applicable responsibilities.

6.4.1. Reprogramming equipment, documentation, authorized recipients lists, and regulations will be included in the appropriate organization's mobility packing list and deployed with the unit.

6.4.2. Deployed location phone directories will be attached to reprogramming notification lists as they become available.

6.5. Prescribing forms : **354 FW Form 025**, Electronic Warfare intergrated Reprogramming Checksheet and **354 FW Form 026**, Serene Byte/Pacer Ware Checksheet.

Attachment 1

SAMPLE AUTHORIZED RECIPIENT LIST

MEMORANDUM FOR DMS SYSTEM ADMINISTRATION

FROM: (YOUR OFFICE)

SUBJECT: Authorized Recipients of SB/PW messages

The following personnel are authorized to receive SB/PW messages:

<u>NAME</u>	<u>OFFICE SYMBOL</u>	<u>DUTY PH</u>	<u>AFTER HRS PHONE</u>
Primary			
Alternate			
Alternate			

(LIMIT THIS TO ONE PRIMARY AND TWO ALTERNATES)

//SIGNED//

Name, Rank, USAF

Office Symbol

BOB D. DULANEY, Brig Gen, USAF
Commander