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NAVAL AIR ENGINEERING CENTER LAKEHURST NJ ENGINEERIN--ETC F/G 13/10  
CERTIFICATION TEST PROCEDURE, FDSSS (FLIGHT DECK STATUS AND SIG--ETC(U)  
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NAEC-91-7989

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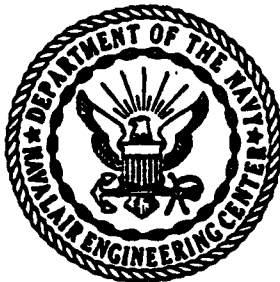
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**NAVAL AIR ENGINEERING CENTER**

REPORT NAEC-91-7989

CERTIFICATION TEST PROCEDURE  
FDSSS (FLIGHT DECK STATUS AND SIGNALING SYSTEM) A/W24A-1

AD A 096053

Aircraft, Weapons, Ship & VLA Division  
Ship and Shore Installations Engineering Department  
Naval Air Engineering Center  
Lakehurst, New Jersey 08733

9 FEBRUARY 1981

A59-59-60/051D/OW0474-0000  
Work Unit No. A5511C-04

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Prepared for

Commander  
Naval Air Systems Command  
(AIR-551)  
Washington, DC 20361

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NAEC-91-7989

CERTIFICATION TEST PROCEDURE  
FDSSS (FLIGHT DECK STATUS AND SIGNALING SYSTEM) A/W24A-1

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Leo J. Emery, Jr.

Approved by: F. B. Boice  
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Engineering Officer

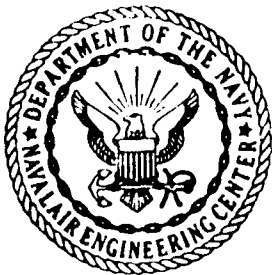
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LAKEHURST, N.J.  
08733

## **NAVAL AIR ENGINEERING CENTER**

REPORT NAEC-91-7989

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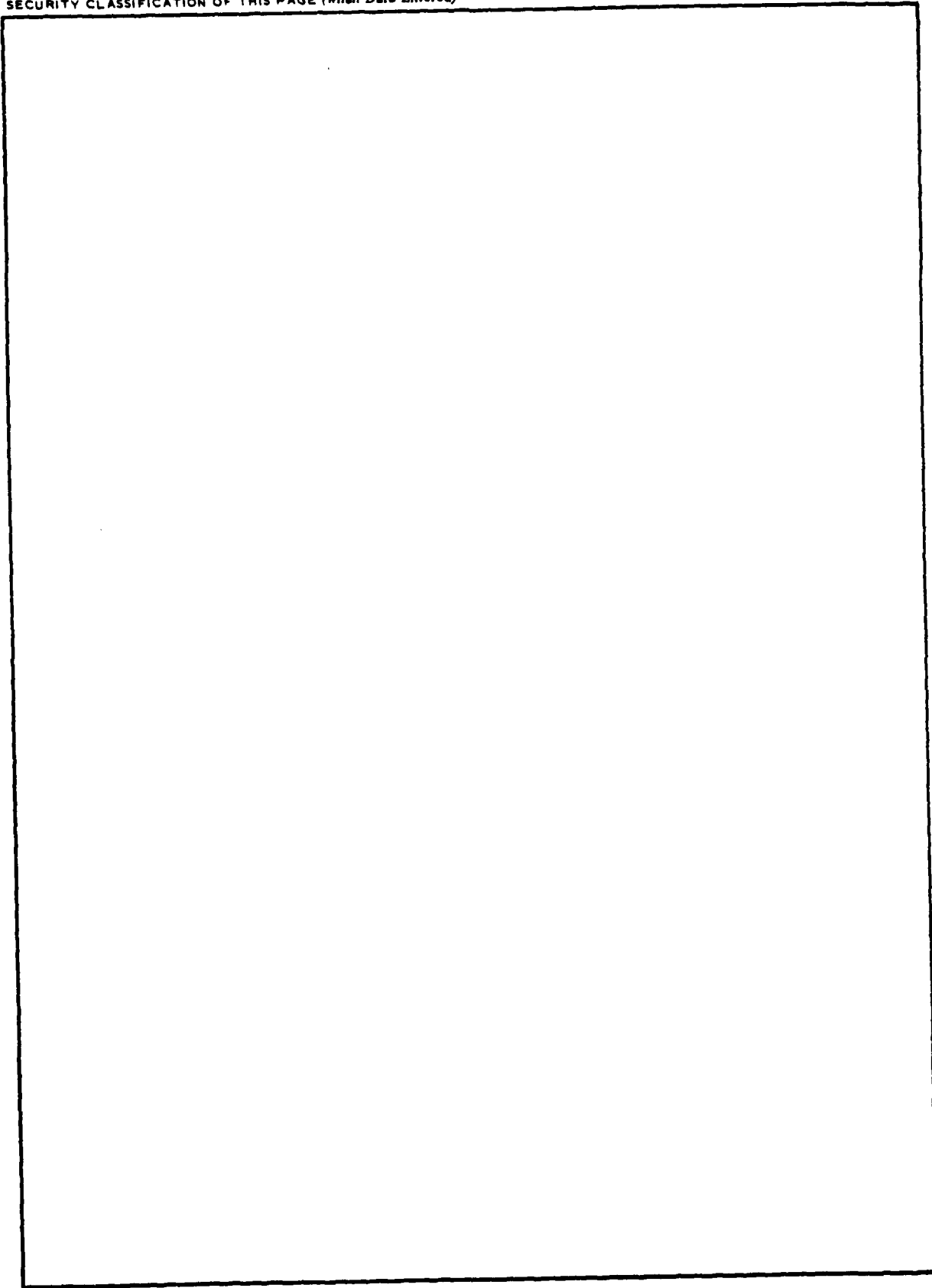
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| REPORT DOCUMENTATION PAGE                                                                                                                                                                                                                                                                                                        |                                                                                                                     | READ INSTRUCTIONS<br>BEFORE COMPLETING FORM |
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| 19. KEY WORDS (Continue on reverse side if necessary and identify by block number)                                                                                                                                                                                                                                               |                                                                                                                     |                                             |
| 20. ABSTRACT (Continue on reverse side if necessary and identify by block number)<br>This document is a test procedure to be followed by a NAVAIRENGCEN test agency in testing the FDSSS. Its implementation will allow the NAVAIRENGCEN to certify that equipment is sound and operating at an acceptable level of performance. |                                                                                                                     |                                             |

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CERTIFICATION TEST PROCEDURE. FDSS (FLIGHT DECK STATUS AND SIGNALING SYSTEM)  
ABSTRACT

(U) THIS DOCUMENT IS A TEST PROCEDURE TO BE FOLLOWED BY A NAVAIENGCEM TEST  
AND SIGNALING SYSTEM (FDSS). ITS IMPLEMENTATION WILL ALLOW THE NAVAIENGCEM TO  
OPERATING AT AN ACCEPTABLE LEVEL OF PERFORMANCE. (AUTHOR)

INDEX TERMS ASSIGNED

FLIGHT DECK  
USE FLIGHT DECKS

SIGNALING SYSTEM  
USE SIGNALS

TEST PROCEDURE  
USE TEST METHODS

TERMS NOT FOUND DURING LEXICAL DICTIONARY MATCH

CERTIFICATION TEST PROCEDURE

TEST AGENCY

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DECK STATUS AND SIGNALING SYSTEM) A/W24A-1.

BE FOLLOWED BY A NAVAIENGCEM TEST AGENCY IN TESTING THE FLIGHT DECK STATUS A  
TION WILL ALLOW THE NAVAIENGCEM TO CERTIFY THAT EQUIPMENT IS SOUND AND OPER  
E. (AUTHOR)

INDEX TERMS ASSIGNED

SIGNALING SYSTEM  
USF SIGNALS

FOUND DURING LEXICAL DICTIONARY MATCH PROCESS

TEST AGENCY

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## I. INTRODUCTION

### A. GENERAL

1. This document was developed as a shipboard procedure to be followed by a NAVAIRENGCEN (Naval Air Engineering Center) test agency in testing the FDSSS for certification purposes. It is designed to provide technical assurance that the subject items are properly installed and operating.

2. Certification testing will be implemented by a NAVAIRENGCEN test agency upon initial installation of equipment and under the circumstances that follow.

a. After major overhaul or modification of equipment.

b. After major overhaul of the ship.

c. When so specified by the Commander, Naval Air Systems Command; the Commanding Officer, NAVAIRENGCEN, or custodian of the systems.

3. Equipment certification may be requested of the NAVAIRENGCEN any time by the appropriate Type Commander.

4. If, in the implementation of the procedures contained in this document, an expected result is not obtained, the operating and maintenance instruction manual, reference (a), and any applicable technical directives (changes and bulletins), should be consulted to identify and correct the problem before proceeding.

### B. CERTIFICATION

1. Formal certification of systems is gained by the NAVAIRENGCEN test agency filling out the information requirements in this document, signing the enclosed recommendation for certification, and sending the document to:

Commanding Officer  
Naval Air Engineering Center (911)  
Lakehurst, NJ 08733

2. For certification of an initial installation, this completed document must be accompanied by a complete, detailed set of installation photographs.

3. For ensuing re-certifications, this completed document should be accompanied by any photographs necessary to demonstrate any major changes to the installed system, that is, relocation of system components.

### C. CERTIFICATION TEST SUPPORT

1. When certification is required, it is desirable to have a shipyard representative working as liaison with the NAVAIRENGCEN test agent. The following minimum services should be available to the test agent through the shipyard representative.

- a. Test equipment as listed in Section III D.
- b. Ship/shop personnel support for the test work.
- c. Shop services for any equipment found in need of repair.
- d. Still photographic coverage of equipment, as determined by the test agency, with two copies of each photograph furnished.

2. For new installations, it is expected that the installing activity will have verified all wiring according to reference (b), and all material specifications according to applicable installation drawings, reference (c), before the NAVAIRENGCEN test agency starts testing.

#### D. IN-SERVICE PERFORMANCE DATA

1. When NAVAIRENGCEN agency provides technical support services at the request of a service vessel to correct a malfunctioning system between certifications, a report should be prepared so that a history of component failure or operating difficulty can be maintained. The completed report should be sent to the address stated in paragraph B1 and it should include the following information:

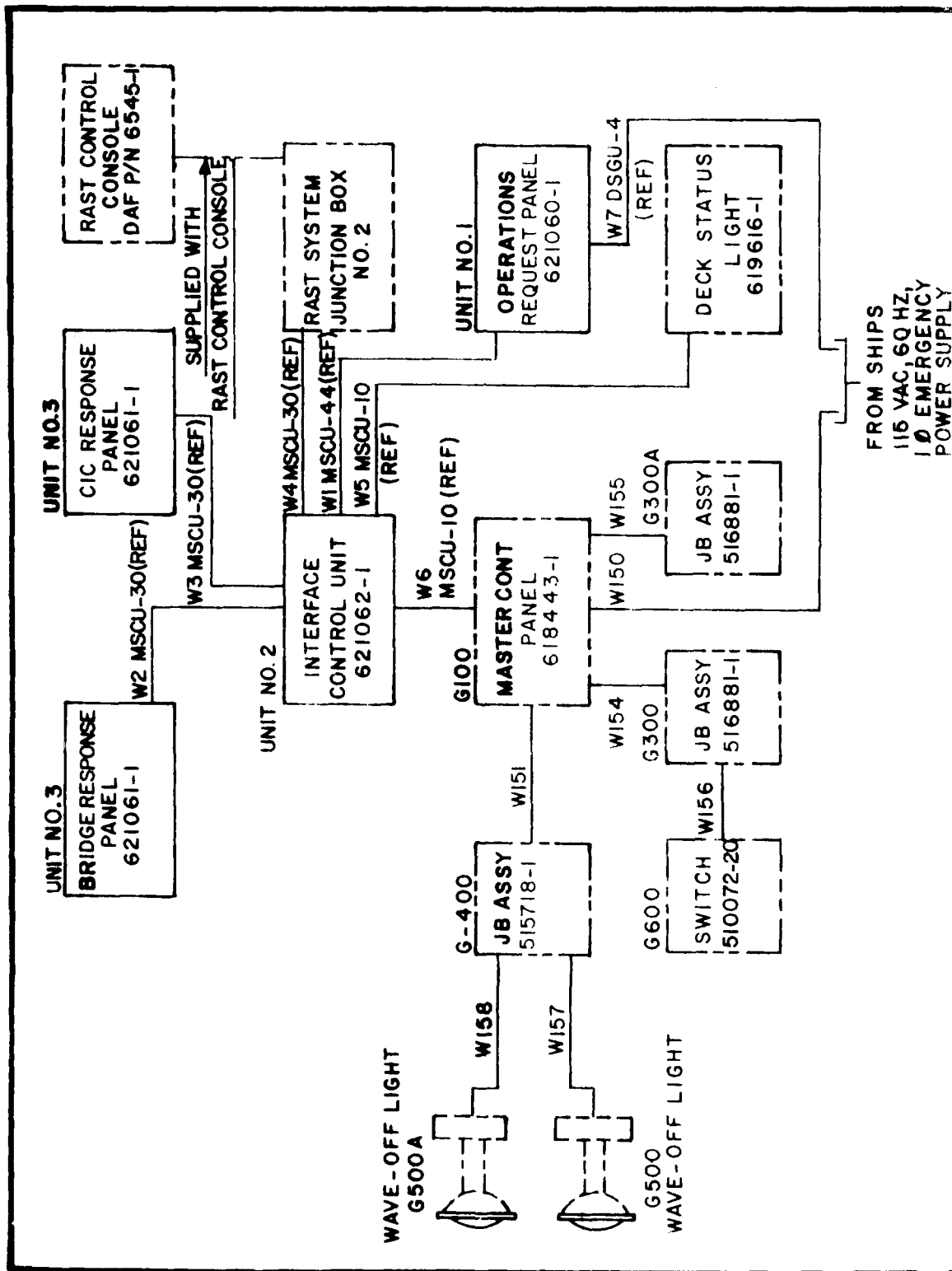
- a. Name and designation of vessel.
- b. Contract number of FDSSS.
- c. Symptoms of malfunction.
- d. Determined reason for malfunction.
- e. Corrective action taken.
- f. Recommendations.
- g. Photographs (if applicable).

#### II. GENERAL DATA RECORD

- A. Name of Vessel \_\_\_\_\_
- B. Designation of Vessel \_\_\_\_\_
- C. Contract Number of FDSSS \_\_\_\_\_

#### III. PRELIMINARY INSPECTION OF FDSSS

The purpose of this part of the procedure is to assure by inspection that the FDSSS has been properly installed in accordance with applicable drawings (reference (b) and (c)), Appendix A, and the manual, reference (a). Figure 1 illustrates elements of the entire system. Determine the following under the subsystem indicated. A check mark will indicate a step has been completed.



A. FDSSS REQUEST PANEL 621060-1 (PER-103/W24A-1), (see FIGURE 2).

1. Panel shows no signs of physical damage. \_\_\_\_\_
2. Panel is located in the helicopter control station within easy reach of the operator while viewing helicopter operations. \_\_\_\_\_
3. Panel is securely fastened to bulkhead. \_\_\_\_\_
4. Panel has access space to be serviced. \_\_\_\_\_
5. Cable and wiring are properly identified and no imperfections or loose connections exist. \_\_\_\_\_
6. All fasteners are tight. \_\_\_\_\_

B. FDSSS RESPONSE PANELS (2 EACH) 621061-1 (PER-104/W24A-1), (see FIGURE 3).

1. Panels show no signs of physical damage. \_\_\_\_\_
2. One panel is located in the Captains's bridge and the other in the CIC (Combat Information Center) in an accessible area manned during helicopter operations. \_\_\_\_\_

3. CIC panel, mounted to -

Bulkhead Console

4. Bridge panel, mounted to -

Bulkhead Console

5. Panels have access space to be serviced. \_\_\_\_\_

6. Cable and wiring are properly identified and no imperfections or loose connections exist. \_\_\_\_\_

7. All fasteners are tight. \_\_\_\_\_

C. INTERFACE CONTROL UNIT 621062-1 (PER-105/W24A-1), (see FIGURE 4).

1. Unit shows no signs of physical damage. \_\_\_\_\_
2. Unit is installed in a weathertight compartment (location \_\_\_\_\_).
3. Panel is securely fastened to a bulkhead. \_\_\_\_\_
4. Panel has access space to be serviced. \_\_\_\_\_
5. Cable and wiring are properly identified and no loose connections exist. \_\_\_\_\_
6. All fasteners are tight. \_\_\_\_\_

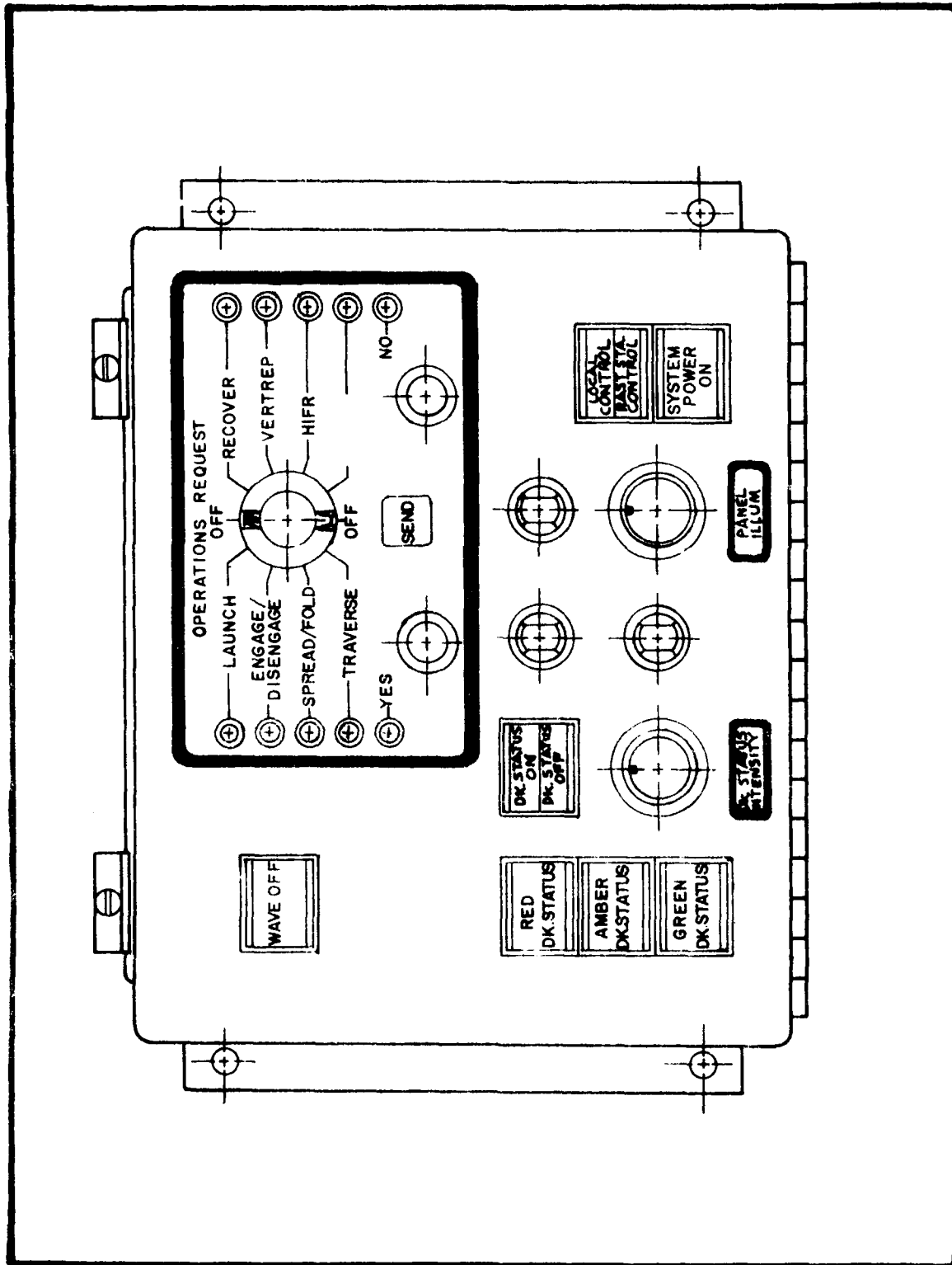


FIGURE 1

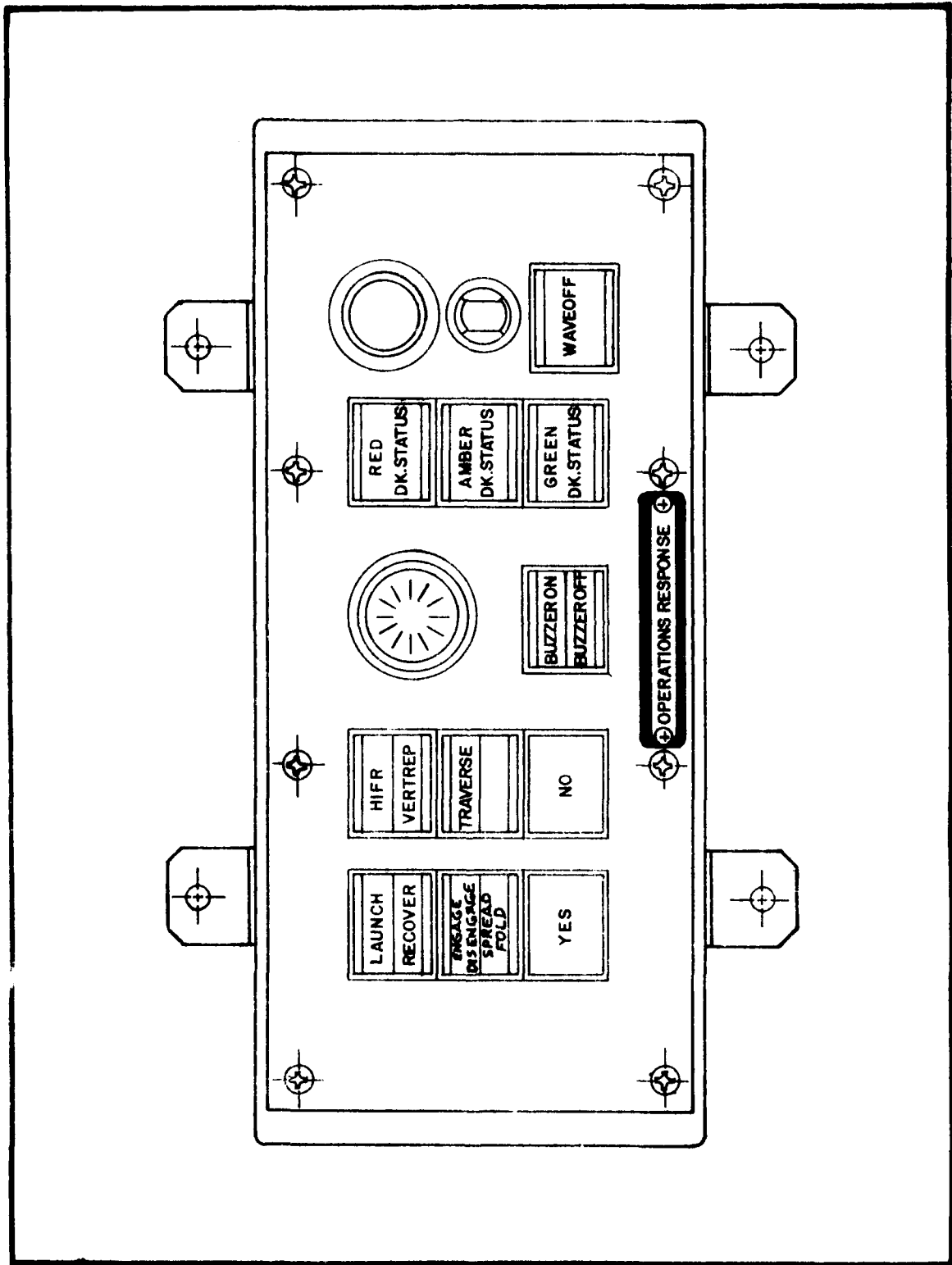
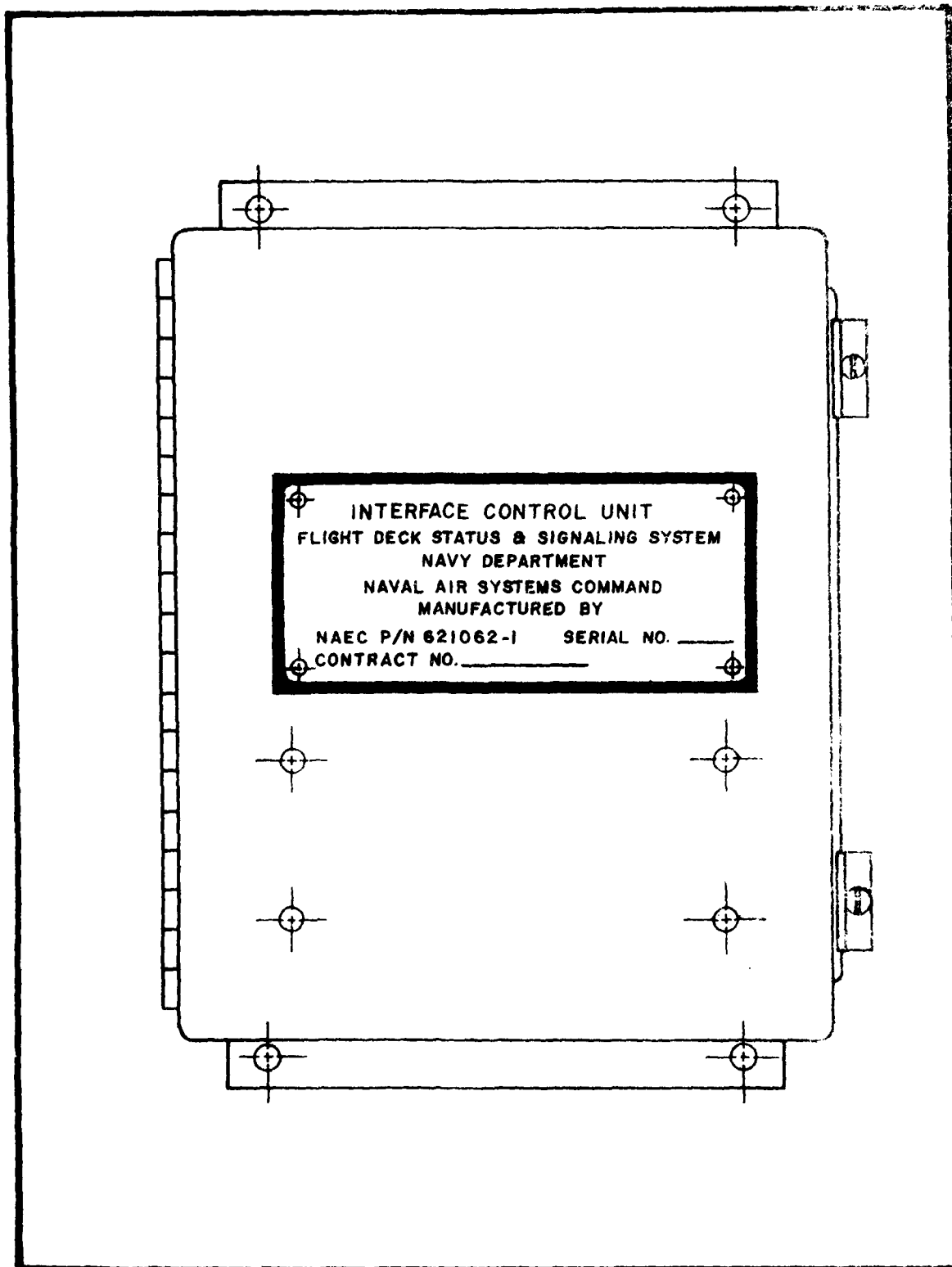


FIGURE 4  
OPERATIONS RESPONSE PANEL  
DRAWING A-1061-1



D. REQUIRED TEST EQUIPMENT

1. Volt Ammeter CV-633 (Scat 4236) or equivalent
2. Flattip Screwdriver
3. Number 2 Phillips Screwdriver
4. Five (5) sets of Sound Powered Phones

E. SAFETY INSTRUCTIONS

1. Comply with Navy Safety Precautions for Forces Afloat, OPNAVINST 5100.8 Series.

F. EQUIPMENT INVOLVED IN TEST

| <u>Nomenclature</u>                        | <u>Identification No./Qty.</u> |
|--------------------------------------------|--------------------------------|
| Wave-off Lights Master Control Panel (MCP) | NAVAIRENGCEN P/N 618443-1/1    |
| Wave-Off Lights Assy (LA)                  | NAVAIRENGCEN P/N 515921-1/2    |
| Deck Status Light (DSL)                    | NAVAIRENGCEN P/N 619616-1/1    |
| Bridge Response Panel (BRP)                | NAVAIRENGCEN P/N 621061-1/1    |
| CIC Response Panel (CRP)                   | NAVAIRENGCEN P/N 621061-1/1    |
| Operations Request Panel (ORP)             | NAVAIRENGCEN P/N 621060-1/1    |
| RAST Control Console (RCC)                 | DAF P/N 6545-1/1               |

G. METHOD

1. Selected signals will be initiated at any one of the control panels, and the proper light response will be checked at separately located pieces of equipment.

H. STATION ASSIGNMENTS

| <u>Station</u>                       | <u>Recommended Number Personnel</u> |
|--------------------------------------|-------------------------------------|
| Operations Request Panel             | One (1) Man                         |
| RAST Control Console                 | One (1) Man                         |
| Bridge Response Panel                | One (1) Man                         |
| CIC Response Panel                   | One (1) Man                         |
| Wave-Off Lights Master Control Panel | } One (1) Man at various times      |
| Wave-Off Lights OR Deck Status Light |                                     |

## IV. OPERATIONAL TEST OF IDSSS

| <u>STEP</u> | <u>STATION</u> | <u>INITIAL CONDITION AND SETUP INSTRUCTIONS</u>                                                                                                                                                                        |
|-------------|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1           | MCP            | Remove the protective cover. Turn the system circuit breaker switch off. Lift protective cover on remote override switch and turn the switch on. Turn wave-off intensity and panel illumination control knobs to zero. |
| 2           | ORP            | Turn the operations request knob to the off position and deck status intensity and panel illumination control knobs to the zero position.                                                                              |
| 3           | RCC            | Power switch turned off, clearance request control knob turned to the off position, and the panel illumination control knob turned to zero.                                                                            |

| STEP | STATION                     | TEST INSTRUCTIONS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|------|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1    | MCP                         | Turn on the system circuit breaker. Turn the Panel Illumination Control Knob to the maximum setting (10).                                                                                                                                                                                                                                                                                                                                                                                                         |
| 2    | MCP                         | Turn the Wave-Off Intensity Control Knob to a No. 5 Setting. Lift the cover and move the Remote Override Switch to the off position. Should the Wave-Off Switch start flashing red, a remote station is signaling a wave-off. Go to that station and depress the wave-off switch.                                                                                                                                                                                                                                 |
| 3    | MCP/BRP/<br>CRP/GRP/<br>RCC | Man the control and the response panels.                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 4    | GRP                         | Depress the Flight Deck Status and Signaling System Power ON Switch. Turn the Panel Illumination Control Knob to the maximum setting. Depress the Deck Status Light Switch to turn on the Deck Status Light, if it is not already illuminated. Check the illumination of the Deck Status Light and the Deck Status Light Indicators on the other panels. Check background illumination on the Operations Request Panel. Make sure the Local Control/Rast Station Control Switch is in the Local Control Position. |
| 5    | BRP/GRP/<br>RCC             | Turn the Panel Illumination Control Knobs to the maximum setting. Check for background illumination.                                                                                                                                                                                                                                                                                                                                                                                                              |
| 6    | BRP                         | Depress the Wave-Off Switch. Check illumination of the Wave-Off Lights, Deck Status Light, and the Wave-Off Light and Deck Status Light Switch/Indicators on the other panels.                                                                                                                                                                                                                                                                                                                                    |
| 7    | BRP                         | Depress the Wave-Off Switch. Check for blackout condition of the Wave-Off Lights, illumination of the Deck Status Light, and the Wave-Off Light and Deck Status Light Switch/Indicators on the other panels.                                                                                                                                                                                                                                                                                                      |
| 8    | GRP                         | Depress the Green Deck Status Light Switch. Check illumination of the Deck Status Light and the Deck Status Light Indicators on all panels.                                                                                                                                                                                                                                                                                                                                                                       |
| 9    | CRP                         | Repeat steps 6 and 7 at the CIC Response Panel and step 8 at the Operations Request Panel.                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 10   | GRP                         | Repeat steps 6, 7 and 8.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 11   | GRP                         | Depress the Local/RAST Control Switch. Check the illumination of the Local/RAST Control Switch on the Operations Request Panel and the Send Button on the Operation Request Panel and the RAST Control Console.                                                                                                                                                                                                                                                                                                   |

| <u>STEP</u> | <u>STATION</u> | <u>TEST INSTRUCTIONS</u>                                                                                                                                                                                                                                                                                   |
|-------------|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 12          | RCC            | Check that the Deck Status Light Rotary Switch is in the Red position. Repeat steps 6, 7, and 8.                                                                                                                                                                                                           |
| 13          | RCC            | Rotate the Deck Status Light Control Knob to the Green position.                                                                                                                                                                                                                                           |
| 14          | ORP            | Depress the Local/RAST Control Switch. Check illumination of the Local/RAST Control Switch and the Send Button on the Operations Request Panel and the RAST Control Console.                                                                                                                               |
| 15          | ORP            | Turn off the Deck Status Light. Turn on the Deck Status Light. Check illumination of the Deck Status Light and the Deck Status Light Indicators on all panels.                                                                                                                                             |
| 16          | ORP            | Depress the Green Deck Status Light Switch.                                                                                                                                                                                                                                                                |
| 17          | ORP            | Depress the Amber Deck Status Light Switch. Check illumination of the Deck Status Light and the Deck Status Light Indicators on all panels.                                                                                                                                                                |
| 18          | ORP            | Depress the Local/RAST Control Switch. Check the illumination of the Deck Status Light and the Deck Status Light Switch/Indicators on all panels.                                                                                                                                                          |
| 19          | RCC            | Turn the Deck Status Control Knob to the Amber position. Check the illumination of the Deck Status Light and Deck Status Light Switch/Indicators on all panels.                                                                                                                                            |
| 20          | RCC            | Repeat step 19 for the Red position.                                                                                                                                                                                                                                                                       |
| 21          | ORP            | Depress Local/RAST Control Switch.                                                                                                                                                                                                                                                                         |
| 22          | ORP            | Place the Operations Request Knob in the Launch position. Check that the Buzzer ON/OFF Switch in the CIC and Bridge Response Panels is in the ON position. Depress the Send Button. Check the Request Indicator Lights on all panels. Check the Buzzer response on the Bridge Response Panel.              |
| 23          | BRP            | Depress the Buzzer ON/OFF Switch, note the Buzzer response. Depress the Buzzer ON/OFF Switch. Depress the YES Button. Check the Buzzer response. Check the Response and Request Indicator Lights on all panels. Depress the NO Button. Check for no change in the Response Indicator Lights on all panels. |
| 24          | ORP            | Depress the Send Button.                                                                                                                                                                                                                                                                                   |

| STEP | STATION | TEST INSTRUCTIONS                                                                                                                                                                                                                                                                                                                                                  |
|------|---------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 25   | BRP     | Depress the NO Button. Check the Buzzer response. Check the Response Indicator Lights on all panels. Depress the YES Button. Check for no change in the Response Indicator Lights on all panels.                                                                                                                                                                   |
| 26   | ORP     | Depress the Send Button. Check the Buzzer response on the CIC Response Panel.                                                                                                                                                                                                                                                                                      |
| 27   | CRP     | Depress the Buzzer ON/OFF Switch. Note the Buzzer response. Depress the Buzzer ON/OFF Switch. Depress the YES Button. Check the Buzzer response. Check the Response and Request Indicator Lights on all panels. Depress the NO Button. Check for no change in the Response Indicator Lights.                                                                       |
| 28   | ORP     | Depress the Send Button.                                                                                                                                                                                                                                                                                                                                           |
| 29   | CRP     | Depress the NO Button. Check the Buzzer response. Check the Response Indicator Lights on all panels. Depress the YES Button. Check for no change in the Response Indicator Lights on all panels.                                                                                                                                                                   |
| 30   | CRP     | Repeat steps 22 thru 29 with the Operations Request Knob in the following positions: <ul style="list-style-type: none"> <li>a. Engage/Disengage</li> <li>b. Spread/Fold</li> <li>c. Traverse</li> <li>d. Recover</li> <li>e. VERTREP</li> <li>f. HIFR</li> </ul> <p>NOTE: There is no Request Indicator Light for VERTREP or HIFR in the RAST Control Console.</p> |
| 31   | ORP     | Place the Operations Request Knob in the OFF position. Depress the Local/RAST Control Switch.                                                                                                                                                                                                                                                                      |
| 32   | RCC     | Repeat steps 22 thru 29 with the Clearance Request Knob in each of the following positions: <ul style="list-style-type: none"> <li>a. Engage/Disengage</li> <li>b. Spread/Fold</li> <li>c. Traverse</li> <li>d. Launch</li> <li>e. Recover</li> </ul>                                                                                                              |

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| <u>STEP</u> | <u>STATION</u> | <u>SHUTDOWN INSTRUCTIONS</u>                                                                                    |
|-------------|----------------|-----------------------------------------------------------------------------------------------------------------|
| 1           | MCP            | Turn off the System Circuit Breaker.                                                                            |
| 2           | ORP            | Depress the Local Control Switch. Depress the Deck Status Light ON/OFF Switch. Depress the System Power Switch. |

TEST DATA RECORDING

| <u>STEP</u> | <u>FUNCTION</u>                                                                                                                                                                                                                                                                                                                            | <u>EXPECTED RESULTS</u>                                                         | <u>ACTUAL RESULTS</u> |
|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|-----------------------|
| 1           | Wave-off Light System<br>Panel Lights ON/OFF                                                                                                                                                                                                                                                                                               | ON                                                                              |                       |
| 4           | Deck Status Light System<br><br>Deck Status Light Illumination<br>Green/Amber/Red<br><br>Deck Status Light Indicators<br>Green/Amber/Red<br><br>Background Illumination ON/OFF                                                                                                                                                             | <br><br>Red<br><br>Red<br><br>ON                                                |                       |
| 5           | Deck Status Light System<br>Background Illumination ON/OFF                                                                                                                                                                                                                                                                                 | ON                                                                              |                       |
| 6           | Wave-Off Light System<br><br>Wave-Off Light Illumination<br>OFF/Flashing Red<br><br>Deck Status Light<br>Green/Amber/Red<br><br>Wave-Off Light Indicator<br>Green/Flashing Red<br><br>MCP Wave-Off Command Location<br>MCP/BRP/CRP/GRP/DECK<br>(Green/Red)<br><br>Deck Status Light Indicators<br>Green/Amber/Red<br>(Flashing Red at RCC) | <br><br>Flashing Red<br><br>Red<br><br>Flashing Red<br><br>BRP (Red)<br><br>Red |                       |
| 7           | Wave-Off Light System<br><br>Wave-Off Light Illumination<br>OFF/Flashing Red<br><br>Deck Status Light Illumination<br>Green/Amber/Red<br><br>Wave-Off Light Indicators<br>Green/Flashing Red<br><br>MCP Wave-Off Command Location<br>Green/Red<br><br>Deck Status Light Indicators<br>Green/Amber/Red                                      | <br><br>OFF<br><br>Red<br><br>Green<br><br>Green<br><br>Red                     |                       |

## TEST DATA RECORDING

| <u>STEP</u> | <u>FUNCTION</u>                                                                                                            | <u>EXPECTED RESULTS</u>        | <u>ACTUAL RESULTS</u> |
|-------------|----------------------------------------------------------------------------------------------------------------------------|--------------------------------|-----------------------|
| 8           | Deck Status Light System                                                                                                   |                                |                       |
|             | Deck Status Light Illumination<br>Green/Amber/Red                                                                          | Green                          |                       |
|             | Deck Status Light Indicators<br>Green/Amber/Red                                                                            | Green                          |                       |
| 9           | Same as steps 6, 7 and 8 except<br>MCP Wave-Off Command Location                                                           | Same as steps<br>6, 7, & 8 CRP |                       |
| 10          | Same as steps 6, 7 and 8 except<br>MCP Wave-Off Command Location                                                           | RCP                            |                       |
| 11          | Wave-Off Light System                                                                                                      |                                |                       |
|             | Local/RAST Control Switch<br>Illumination                                                                                  |                                |                       |
|             | Local/RAST Sta Control                                                                                                     | RAST Sta Control               |                       |
|             | Send Button                                                                                                                |                                |                       |
|             | ORP ON/OFF                                                                                                                 | OFF                            |                       |
|             | RCC ON/OFF                                                                                                                 | ON                             |                       |
| 12          | Same as steps 6, 7 and 8 except<br>MCP Wave-Off Command Location<br>and Deck Status Light Illumina-<br>tion and Indicators | Deck<br><br>Red                |                       |
| 13          | Same as step 8                                                                                                             |                                |                       |
| 14          | Wave-Off Light System                                                                                                      |                                |                       |
|             | Wave-Off Light Illumination<br>Green/Flashing Red                                                                          | Flashing Red                   |                       |
|             | Deck Status Light System                                                                                                   |                                |                       |
|             | Local/RAST Control Switch<br>Illumination                                                                                  |                                |                       |
|             | Local/Rast Sta                                                                                                             | Local                          |                       |
|             | Send Button Illumination                                                                                                   |                                |                       |
|             | CRP ON/OFF                                                                                                                 | ON                             |                       |
|             | RCC ON/OFF                                                                                                                 | OFF                            |                       |

# TEST DATA RECORDING

| <u>STEP</u> | <u>FUNCTION</u>                                   | <u>EXPECTED RESULTS</u> | <u>ACTUAL RESULTS</u> |
|-------------|---------------------------------------------------|-------------------------|-----------------------|
| 15          | Deck Status Light System                          |                         |                       |
|             | Deck Status Light Illumination<br>Green/Amber/Red | Red                     |                       |
|             | Deck Status Light Indicators<br>Green/Amber/Red   | Red                     |                       |
|             | Deck Status ON/OFF Switch<br>Illumination ON/OFF  | ON                      |                       |
| 16          | Deck Status Light System                          |                         |                       |
|             | Deck Status Light Illumination<br>Green/Amber/Red | Green                   |                       |
|             | Deck Status Light Indicator<br>Green/Amber/Red    | Green                   |                       |
| 17          | Deck Status Light System                          |                         |                       |
|             | Deck Status Light Illumination<br>Green/Amber/Red | Amber                   |                       |
|             | Deck Status Light Indicators<br>Green/Amber/Red   | Amber                   |                       |
| 18          | Deck Status Light System                          |                         |                       |
|             | Deck Status Light Illumination<br>Green/Amber/Red | Green                   |                       |
|             | Deck Status Light Indicators<br>Green/Amber/Red   | Green                   |                       |
| 19          | Deck Status Light System                          |                         |                       |
|             | Deck Status Light Illumination<br>Green/Amber/Red | Amber                   |                       |
|             | Deck Status Light Indicators<br>Green/Amber/Red   | Amber                   |                       |
| 20          | Deck Status Light System                          |                         |                       |
|             | Deck Status Light Illumination<br>Green/Amber/Red | Red                     |                       |
|             | Deck Status Light Indicators<br>Green/Amber/Red   | Red                     |                       |

## TEST DATA RECORDING

| <u>STEP</u> | <u>FUNCTION</u>                                                         | <u>EXPECTED RESULTS</u>          | <u>ACTUAL RESULTS</u> |
|-------------|-------------------------------------------------------------------------|----------------------------------|-----------------------|
| 22          | Signaling System                                                        |                                  |                       |
|             | Request Indicator Light<br>Flashing/OFF (BRP, CRP)<br>ON/OFF (ORP, RCC) | Flashing<br>ON                   |                       |
|             | Buzzer Response<br>ON/OFF                                               | ON                               |                       |
| 23          | Signaling System                                                        |                                  |                       |
|             | Buzzer Response<br>ON/OFF                                               | OFF                              |                       |
|             | Response Indicator Light<br>YES/NO                                      | YES                              |                       |
|             | Buzzer Response<br>ON/OFF                                               | OFF                              |                       |
|             | Response Indicator Light<br>YES/NO                                      | YES                              |                       |
|             | Request Indicator Light<br>Flashing/Steady                              | Steady                           |                       |
| 25          | Signaling System                                                        |                                  |                       |
|             | Buzzer Response<br>ON/OFF                                               | OFF                              |                       |
|             | Response Indicator Light<br>YES/NO                                      | NO                               |                       |
| 26          | Signaling System                                                        |                                  |                       |
|             | Buzzer Response<br>ON/OFF                                               | ON                               |                       |
| 27          | Same as step 23                                                         | Same as step 23                  |                       |
| 29          | Same as step 25                                                         | Same as step 25                  |                       |
| 30          | Same as steps 23, 25, 27 & 29                                           | Same as steps<br>23, 25, 27 & 29 |                       |
| 32          | Same as steps 23, 25, 27 & 29                                           | Same as steps<br>23, 25, 27 & 29 |                       |

V. REFERENCES

(a) Technical Manual, NAVAIR AD-40080-OMI-000, Operation and Maintenance Instructions with Illustrated Parts Breakdown, Flight Deck Status & Signaling System.

(b) NAVAIRENGEN Drawing 621156; Flight Deck Status & Signaling System Interconnecting Cabling Diagram.

(c) NAVAIRENGEN Drawing 621155; Flight Deck Status & Signaling System Kit & Installation Requirements.

## APPENDIX A - CLASS DRAWINGS AND TEST AGENT CERTIFICATION

## A. Lighting and Marking Arrangement LAMP'S MK III Class Drawings:

| NAVAIRENGCEN<br>Drawing No. | Vessel<br>Class |
|-----------------------------|-----------------|
| 620540                      | CGN-42          |
| 621161                      | DD-963          |
| 620186                      | CG-47           |
| 620588                      | FFG-7           |

## B. Test Agent's Recommendation For Certification.

It is recommended that the condition  
of the FDSSS aboard the USS \_\_\_\_\_  
be certified acceptable for fleet operations.

Signed \_\_\_\_\_  
Test Agent, Agency

Date \_\_\_\_\_

NOTE: Write the name and designation of the ship to be certified on  
the cover of this document before sending it to the NAVAIRENGCEN.

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