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Vice President

April 11, 2000

U. S. Nuclear Regulatory Commission
Document Control Desk
Washington, D. C. 20555

Subject: Oconee Nuclear Station
Docket Nos. 50-269, -270, -287
Emergency Plan Implementing Procedures Manual
Volume B, Revision 2000-03

Please find attached for your use and review copies of the revision to the Oconee Nuclear Station Emergency Plan:

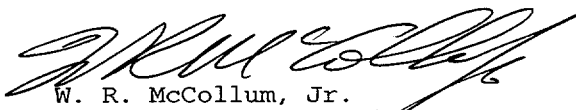
Volume B Revision 2000-03 April, 2000

This revision is being submitted in accordance with 10 CFR 50-54(q) and does not decrease the effectiveness of the Emergency Plan or the Emergency Plan Implementing Procedures.

Any questions or concerns pertaining to this revision please call Mike Thorne, Emergency Planning Manager at 864-885-3210.

By copy of this letter, two copies of this revision are being provided to the NRC, Region II, Atlanta, Georgia.

Very truly yours,



W. R. McCollum, Jr.
VP, Oconee Nuclear Site

xc: (w/2 copies of attachments)
Mr. Luis Reyes,
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A045

April 11, 2000

OCONEE NUCLEAR SITE

SUBJECT: Emergency Plan Implementing Procedures
Volume B, Revision 2000-03

Please make the following changes to the Emergency Plan, Volume B
by following these instructions.

REMOVE

Cover Sheet Rev. 2000-02

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OMP 1-7 - Operations Emergency
Response Organization - 09/28/99

ADD

Cover Sheet Rev. 2000-03

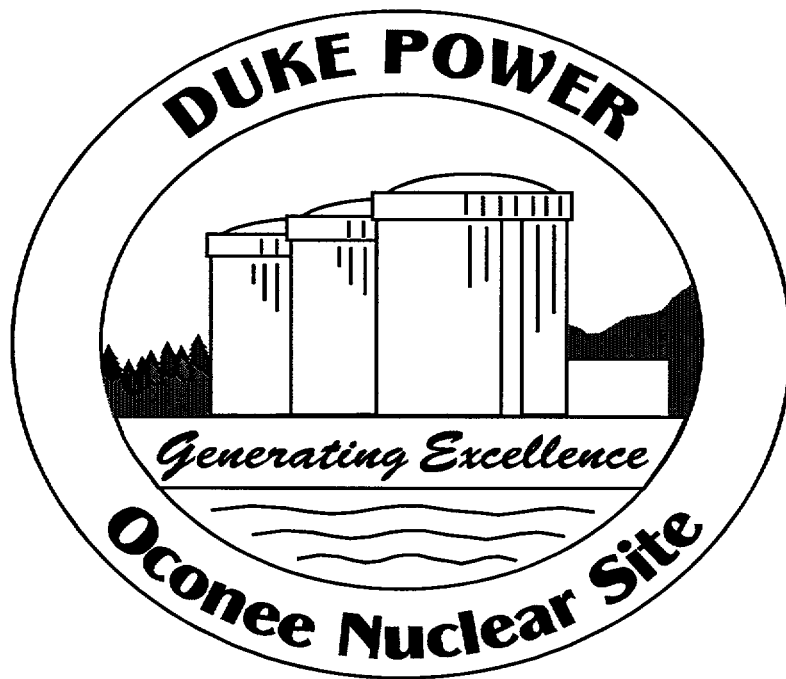
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OMP 1-7 Operations Emergency
Response Organization - 03/13/00

If you have any questions regarding this revision please contact
Mike Thorne at ext. 885-3210.

DUKE POWER

EMERGENCY PLAN IMPLEMENTING PROCEDURES VOLUME B



APPROVED:

W. W. Foster, Manager
Safety Assurance

04/11/00

Date Approved

04/11/00

Effective Date

VOLUME B
REVISION 2000-03
APRIL, 2000

VOLUME B
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Maintenance Directive 9.1	Emergency Preparedness Plan Activation - (02/28/00)
Maintenance Directive 9.2	Emergency Plan For Members Of The Work Control Group - (07/30/94)
OMP 1-7	Operations Emergency Response Organization - (03/13/00)
Radiation Protection Manual 11.1	Radiation Protection Emergency Response - (09/01/98)
Radiation Protection Manual 11.4	Radiation Protection Site Assembly - (09/08/98)
Safety Services Procedure 2.1	Safety Services Emergency Response Procedure 2.1 - (03/14/00)

Revision 2000-03
April, 2000

INFORMATION ONLY

Duke Power Company Oconee Nuclear Station Operations Emergency Response Organization Information Use	Procedure No. OMP 1-07
	Revision No. .. 020
	Electronic Reference No. OP0095P5

Reviewed by Eric Lampe 3/9
Emergency Planning Review by Ryan Waterman
Approved by Don Boyle
Date 3/13/00
Major Revision # 20

OCONEE NUCLEAR STATION
OPERATIONS MANAGEMENT PROCEDURE 1-7
OPERATIONS EMERGENCY RESPONSE ORGANIZATION

1. Purpose

This procedure establishes the expectations and requirements for the Operations Emergency Response Organization (ERO) roles and responsibilities and augments NSD 117, *Emergency Response Organization, Training, and Responsibilities*.

Note:

A copy of changes to this procedure must be forwarded to the Emergency Planning group within 3 working days of approval to comply with 10 CFR 50, Appendix E, Section V, *Implementing Procedures*. [1]

2. References/Commitment Documents

2.1 References

10 CFR 50, Appendix E, Section V, Implementing Procedures
10 CFR 26, Fitness for duty
NUREG 1022, Revision 1, Event Reporting Guidelines: 10 CFR 50.72 and 50.73
SLC 16.13.1, Minimum Station Staffing Requirements
Emergency Plan, Section B, Figure B-8, Minimum Staffing Levels
NSD 117, Emergency Response Organization, Training, and Responsibilities
OMP 1-3, Operations Duty Positions
OMP 1-18, Implementation Standard During Abnormal and Emergency Events
OMP 2-1, Duties and Responsibilities of On-Shift Operations Personnel
PT/0/B/2000/002, Periodic Test of Emergency Response Communications
Equipment
ERTG – 001, Emergency Response Matrix

2.2 Commitment Documents

1. PIP 99-2901 CA# 1

3. Definitions

None

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4. Responsibilities

4.1 TSC Operations Superintendent

1. The on-call ERO position qualified per ERTG – 001, *Emergency Response Matrix*, that performs the TSC Operations Superintendent duties.
2. The Duty Operations Superintendent who is currently or formerly SRO licensed at Oconee fills the role of TSC Operations Superintendent.
3. Participate as a member of the Technical Support Center (TSC) response team.
4. Monitor the emergency situation and oversee Operations activities.
5. Make recommendations to the Emergency Coordinator and OSM to stabilize and recover from the emergency situation.

4.2 TSC Assistant to TSC Operations Superintendent

1. The on-call ERO position qualified per ERTG – 001, *Emergency Response Matrix*, that performs the TSC Assistant to the TSC Operations Superintendent duties.
2. The Operations Procedural Support Duty person who is currently or formerly RO or SRO licensed or SRO certified at Oconee fills the role of TSC Assistant to the TSC Operations Superintendent.
3. Participate as a member of the Technical Support Center (TSC) response team.
4. Assist the TSC Operations Superintendent in the TSC.
5. Fulfill the role of Severe Accident Mitigation Guide (SAMG) evaluator when implementing the Oconee Severe Accident Guideline (OSAG) if required by plant conditions.
6. Prior to quarterly or annual emergency plan drills, the duty person shall verify the backup communications systems are working properly between the OSC and TSC.

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4.3 OSC Operations Liaison

1. The on-call ERO position qualified per ERTG – 001, *Emergency Response Matrix*, that performs OSC Operations Liaison duties.
2. The Operations Work Coordination Support Duty person who is currently or formerly RO or SRO licensed at Oconee fills the role of OSC Operations Coordinator.
3. Participate as a member of the Operations Support Center (OSC) response team and follow the guidance in RP/0/B/1000/25, *Operational Support Center Coordinator Procedure*.
4. Ensure response activities are performed as needed to stabilize the plant by clarifying priorities to all OSC personnel based upon input from the TSC and OSM.
5. Direct the activities of Non-Licensed Operators (NLOs) as required by the OSM or TSC. This includes ensuring that NLOs fully understand the method of feedback prior to being dispatched on a task and that adequate communication with the Control Room (e.g., radio, telephone) is established prior to performing any tasks that directly affect plant operations. If available, an on-duty shift supervisor may assist in coordinating NLO activities.
6. Ensure adequate expertise is available to help manage the emergency by assigning extra/available Operations personnel as the OSM Liaison and Assistant to the OSC Operations Liaison as needed.
7. Notify Keowee Hydro Unit personnel as required.
 - Update Keowee personnel on Oconee plant status, including existing or potential radiological or safety concerns.
 - Ensure evacuation of non-essential Keowee personnel during site evacuation while maintaining a minimum of one Keowee operator.
 - Relocate essential Keowee personnel to the OSC if required by radiological or safety concerns.
8. As needed, assign Operations personnel to the Unit 3 radio base station to communicate with field teams.
9. Prior to quarterly or annual emergency plan drills, the duty person shall verify the backup communications systems are working properly between the OSC and TSC.

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4.4 Assistant to the OSC Operations Liaison

1. An individual who is currently or formerly RO or SRO licensed at Oconee. This is an additional role that is manned if Operations personnel are available and is not an on-call or on-shift position.
2. This role is assigned by the OSC Operations Liaison.
3. Report to the OSC to assist the OSC Operations Liaison as needed.

4.5 Operations Shift Manager/Emergency Coordinator

1. The on-shift ERO position qualified per ERTG – 001, *Emergency Response Matrix*, that performs Emergency Coordinator duties.
2. Function as the site Emergency Coordinator during emergency conditions per NSD 117, *Emergency Response Organization, Training, and Responsibilities*.
3. Implement RP/0/A/1000/02, *Control Room Emergency Coordinator Procedure*, until relieved.
4. Implement all necessary Emergency Plan procedures.
5. Oversee Control Room activities on the affected unit per OMP 1-18, *Implementation Standard During Abnormal and Emergency Events*, and OMP 2-1, *Duties and Responsibilities of On-Shift Operations Personnel*.
6. If available, use the OSM Liaison to communicate with the TSC and OSC to coordinate plant response activities.

4.6 The OSM Liaison

1. An individual who is currently or formerly RO or SRO licensed at Oconee. This is an additional role that is manned if Operations personnel are available and is not an on-call or on-shift position.
2. This role is assigned by the OSC Operations Liaison
3. Report to the affected unit control room to assist the OSM with communications from the TSC and OSC.
4. Provide technical support to the OSM as needed.

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4.7 Control Room Off-Site Communicator

1. The on-shift ERO position qualified per ERTG – 001, *Emergency Response Matrix*, that performs Off-Site Communicator duties.
2. Perform off-site communicator duties per RP/0/B/1000/015A; *Offsite Communications From the Control Room*.
3. Assist Emergency Planning as needed to test the off-site communications equipment per PT/0/B/2000/002, *Periodic Test of Emergency Response Communications Equipment*.

4.8 NRC Communicator

1. The on-shift ERO position qualified per ERTG – 001, *Emergency Response Matrix*, that performs NRC Communicator duties.
2. The NRC Communicator is required to be knowledgeable about plant operations and emergency plan implementation to enable timely, accurate, and reliable reporting of operating events without interfering with plant operations.
3. Establish constant communications with the NRC via the Emergency Notification System (ENS).
4. Complete the NRC Event Notification Worksheet and fax it to the NRC Operations Center.
5. Provide plant status and response actions to the NRC on a continuous basis if requested.
6. Implement RP/0/B/1000/03A, *ERDS Operation*, as required by the Emergency Coordinator.

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4.9 Non-Licensed Operators

1. The on-shift positions that upon activation of the OSC and TSC, and when released by the OSM, all available Non-Licensed Operators (NLOs) shall report to the OSC. NLOs engaged in fire brigade response or tasks essential to mitigation of the event shall remain under the direction of the OSM and Shift Supervisors until released from these tasks.
2. The NLOs in the OSC shall perform tasks as directed by the OSC Operations Liaison or on-duty shift supervisors.
 - Inform the OSC Operations Liaison if the NLO is not qualified to perform an assigned task. The OSC Operations Liaison determines if the NLO may perform the task.
 - Establish adequate communications with the Control Room prior to performing any tasks that will directly affect plant operations.
 - Immediately report the completion of tasks to the Control Room and OSC Operations Liaison.

4.10 Operations Evacuation Coordinator

1. One or more Operations staff members responsible for coordinating the evacuation and relocation of non-essential Operations personnel per RP/0/B/1000/10, *Procedure for Emergency Evacuation/Relocation of Site Personnel*, during normal working hours.

4.11 All Operations ERO Responders

1. Comply with the requirements of NSD 117, *Emergency Response Organization, Training, and Responsibilities*.
2. If normal telephone communications fail between the TSC and OSC, use backup communications methods per Attachment B, *TSC/OSC Operations Backup Communications Systems*.

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5. Operations Emergency Response Organization

5.1 ERO Positions and Locations

- 5.1.1 The following on-call ERO positions respond to emergency events 24-hours a day when the TSC and OSC are activated:

<u>Staff ERO Positions</u>	<u>Emergency Location</u>	<u>Drill Location</u>
TSC Operations Superintendent	TSC	TSC
TSC Assistant to TSC Operations Superintendent	TSC	TSC
OSC Operations Liaison	OSC	OSC

- 5.1.2 The following on-shift ERO positions are staffed 24-hours a day and respond immediately to emergency events when required:

<u>Shift ERO Positions</u>	<u>Emergency Location</u>	<u>Drill Location</u>
OSM/Emergency Coordinator	Control Room	Simulator /TSC
Control Room Off-Site Communicator	TSC	Simulator/ TSC
NRC Communicator	TSC	Simulator/ TSC

- 5.1.3 The following ERO roles are manned during normal working hours or when extra Operations personnel are available:

<u>Extra Roles</u>	<u>Emergency Location</u>	<u>Drill Location</u>
Assistant to the OSC Operations Liaison	OSC	OSC
OSM Liaison	Control Room	Simulator
Operations Evacuation Coordinator	Operations Offices	Operations Offices

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5.2 Operations ERO Communications Protocol

- 5.2.1 Refer to Attachment A, *Operations ERO Communications Protocol*, for a description of the expected lines of communications during an emergency event.
- 5.2.2 When the OSC is fully staffed, the OSM shall be kept informed of all activities initiated by the TSC or OSC and the status of NLO resources from the OSC Operations Liaison.
- 5.2.3 Prior to evacuation of the Oconee Nuclear Station, the OSC Operations Liaison shall arrange for 24-hour staffing of the Operations ERO positions.

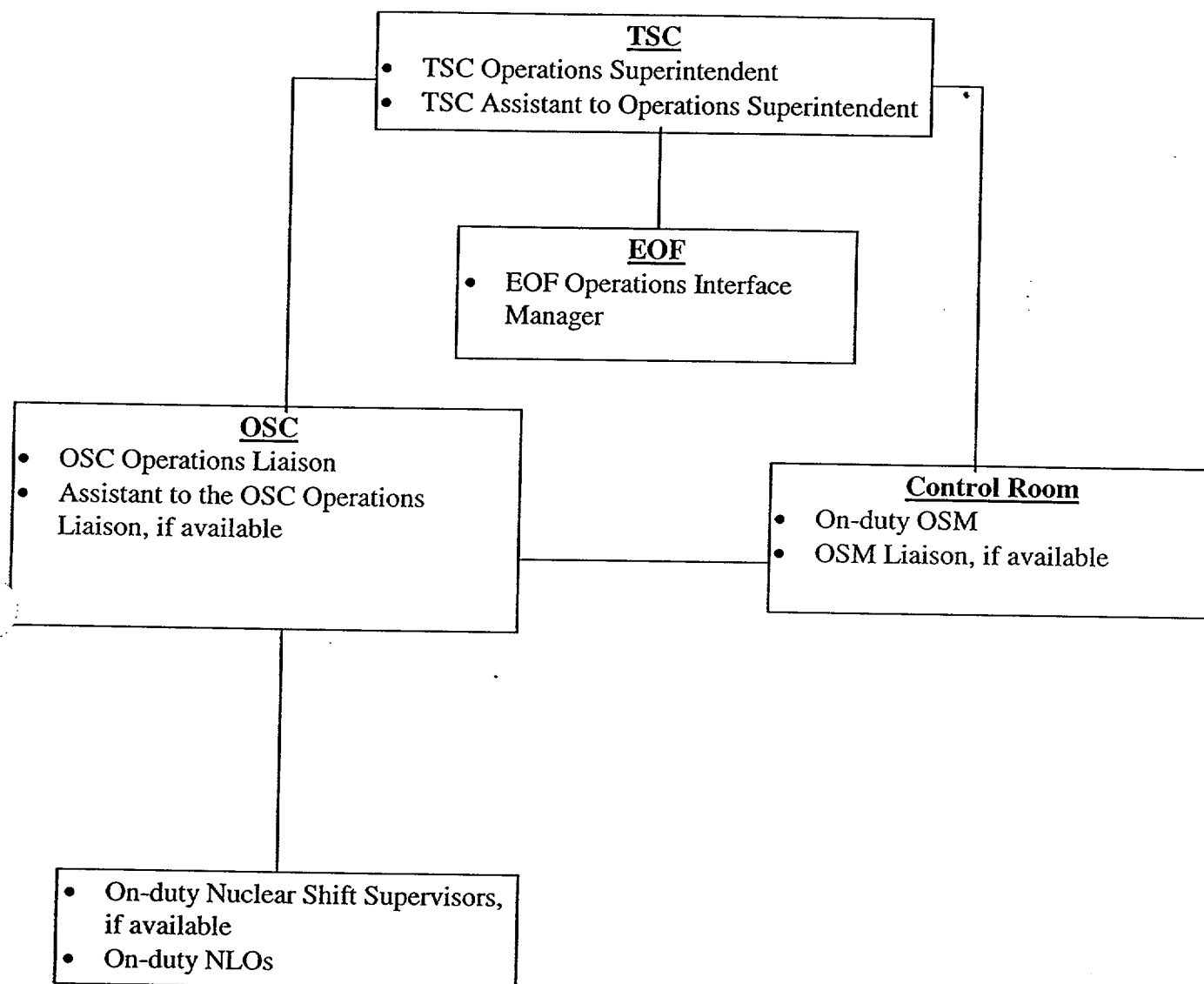
6. Records

None

7. Attachments

Attachment A	Operations ERO Communications Protocol
Attachment B	TSC/OSC Operations Backup Communications Systems

OMP 1-7
Operations Emergency Response Organization
Attachment A
Operations ERO Communications Protocol



OMP 1-7
Operations Emergency Response Organization
Attachment B
TSC/OSC Operations Backup Communications Systems

TSC-OSC Operations Bridge Network System Operation

TSC System Location: On top of and inside the ERDS Cabinet

OSC System Location: On the table along the southwest wall

The TSC-OSC Operations Bridge Network System utilizes the plant telephone system and consists of two Operations Bridge Base Units, two Telephones, a Telephone Bridge, and Belt Pack Headsets. The systems are turned "On" and connected to the Operations Bridge Network by dialing extension 4908. The Belt Pack Headsets are turned "On" to allow for two-way communications between the Belt Pack Headsets and the Bridge Network via the Base Unit. The OSC and TSC can communicate with each other and with anyone else who dials into the Bridge Network using extension 4908 from any telephone.

1. Belt Pack Headsets (TSC/OSC)

- Obtain the Belt Pack Headsets (R-1, R-2, R-3).
- The R-4 Belt Pack Headset is only used with the wireless intercom system because the bridge network can only be configured to transmit on three channels.
- Replace the batteries as needed.
- Turn the Belt Pack Headset "On."

2. Operations Bridge Base Unit (TSC/OSC)

- Turn the Operations Bridge Network "On" by placing the Operations Bridge Base Unit (on top of the ERDS Cabinet) power toggle switch in the "Up" position (red light on).
- Activate the communication channels (1, 2, 3) for the respective Belt Pack Headsets (R-1, R-2, R-3) by placing the respective toggle switch in the "Up" position. Only three channels can be activated on the system.
- Remove the headset from the telephone attached to the Operations Bridge Base Unit and leave it off while in use. (inside the ERDS Cabinet)
- Dial extension 4908 to connect to the bridge network.
- Depress the button on the Belt Pack Headsets in the Push-to-Talk (PTT) or Continuous Talk position as needed to communicate.

3. Shutdown

- Replace the handset on the telephone.
- Turn the Operations Bridge Network "Off" by placing the Operations Bridge Base Unit power toggle switch in the "down" position (red light off).
- Turn the communication channels (1, 2, 3) off by placing the toggle switch in the "Down" position.
- Turn the Belt Pack Headsets off.

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Attachment B
TSC/OSC Operations Backup Communications Systems

TSC-OSC Wireless Intercom System (Cetec-Vega) Operation

The TSC-OSC Wireless Intercom System is a backup for the TSC-OSC Operations Bridge Network System. This system does not use the plant telephone system. The TSC-OSC Wireless Intercom System consists of two Cetec-Vega QX-6 Wireless Intercom Master Stations (TSC, OSC), the Clear-Com Intercom Main Station (TSC), and the Belt Pack Headsets. The system allows radio transmissions between the Belt Pack Headsets and the base stations, and are connected by hard wire through the Clear-Com Intercom Base Station in the TSC. The Cetec-Vega Base Stations must be turned "On" since it allows the hard wire connection between the TSC and OSC for system operation. The Clear-Com Intercom Main Station must also have the "Ch B (OSC)" button depressed. Each Belt Pack Headset must be turned "On" as needed and its corresponding radio channel button (R-1, R-2, R-3, R-4) depressed on the Cetec-Vega Base Station at its location (TSC, OSC). Operation of this system enables communications between Operations personnel in the TSC, OSC, and other locations whenever the TSC-OSC Operations Bridge Network is not available.

1. Belt Pack Headsets (TSC/OSC)
 - Obtain the Belt Pack Headsets (R-1, R-2, R-3, R-4).
 - Replace the batteries as needed.
 - Turn the Belt Pack Headset "On."
2. Clear-Com Main Station (TSC ERDS Cabinet)
 - Turn on the power by depressing the "Red" power switch.
 - Verify the "Ch B (OSC)" button is depressed.
3. Cetec-Vega QX-6 Wireless Intercom Master Station (TSC/OSC ERDS Cabinet):
 - Turn on power by depressing the "AC PWR" button.
 - Verify the "I/C" button is depressed (green backlight)
 - Check the Simulator On/Off switch on the back of the master station in "Off." During drills, turn the switch to "On." (TSC ERDS Cabinet only)
 - Depress the "Enable" buttons (green backlight) as needed to activate the Belt Pack Headsets in use (R-1, R-2, R-3, R-4). If a Belt Pack Headset is not being used, ensure it is not "enabled" to minimize any static on the system.
 - Depress the button on the Belt Pack Headsets in the Push-to-Talk (PTT) or Continuous Talk position as needed to communicate.
4. Shutdown
 - Depress the "Enable" buttons to turn the off each channel used (black indication).
 - Turn off the power to the Clear-Com Main Station and the Cetec-Vega QX-6 Wireless Intercom Master Stations.
 - Verify the Simulator On/Off switch on the back of the Cetec-Vega QX-6 Wireless Intercom Master Station in "Off."
 - Turn the Belt Pack Headsets off.