

APPENDIX 7 TO ANNEX D **RADIOLOGY TEAM**

1. **PURPOSE:** The purpose of this annex is to define the responsibilities of the Radiology Team during disaster and various contingency scenarios, including mass casualty operations.
2. **OPR:** The OIC of Radiology
3. **REFERENCES:** Sighted in Annex A- General Instructions.
4. **ASSUMPTIONS:**
 - 4.1 Response team members will initially vary dependant upon time of the incident.
 - 4.2 As team members report for assignment, they will be composed of radiologist(s) to interpret images, technologists to radiograph casualties, and other available personnel for efficient patient processing and patient flow
 - 4.3 Various flight elements are stocked with all required medical and non-medical supplies. These items are readily available for use during examinations.
 - 4.4 Medical Logistics personnel will be ready to supply required supplies and materials in support of these efforts.
 - 4.4 To augment the technical staff, EMDG administrative staff will be made available as needed to process casualties and maintain documentation and records.
- 5.0. **RESPONSIBILITIES:** The Radiology Team objective is to augment the total care and treatment plan of the attending physicians. Through imaging assessment, team Radiologists will determine the source and extent of injury. Towards this objective, various personnel have more specific responsibilities as follows:
 - 5.1. Flight Commander (or first Officer-in-Charge on site):
 - 5.1.1 Will ensure all casualty support staff are in place and ready for duty. Will maintain a list of all housing and room numbers and pager numbers for radiology personnel to be used during a mass casualty.
 - 5.1.2. Will ensure all support equipment is fully functional and ready for use.
 - 5.1.3. Will establish communication and reporting status with the MCC (443-8508).
 - 5.1.4. Will review and approve flight Medical Contingency Response Plans.
 - 5.1.5. Will ensure staff radiologist(s) are available for image interpretation for all examinations performed. The radiologist(s) may be positioned in the Emergency Department or in the

Radiology imaging sections. Images may be accessed through the digital system from various exam locations. 3 radiologists will be used, one in the ED radiology reading area and the other two in the CT scanners. Ultrasound exams can be performed by an available radiologist as needed.

5.2. Radiology NCOIC:

5.2.1. Three x-ray shooting teams will be assembled. Two teams will man the CT scanners, and the third team will perform ER x-ray imaging. A separate technician will cover the ER processing station to allow the shooting teams to hand off cassettes to the processors and then continue their duties acquiring the x-rays as requested by the trauma team.

5.2.2. Will coordinate with the Flight Commander, Emergency Department, MCC, Manpower Team, Triage Team, PAD, Nursing/wards, and other administrative and technical support staff, as needed to ensure a smooth patient flow and rapid casualty assessment.

5.3 Other Radiology Team members:

5.3.1. Will ensure all assessment rooms are functionally staffed and stocked with required supplies.

5.3.2. Will assist in the direction of casualties to the various imaging modalities.

5.3.3. Will receive casualties from Manpower personnel and ensure proper identification of examinations performed.

5.3.4. Will work rapidly and humanely to examine the casualty and point out any suspicious medical observations to the attending radiologist.

5.3.5. Will observe the casualty for indications of distress and potential medical emergency requiring triage status upgrade.

5.3.6. Will report shortages in stock levels to the NCOIC before they are totally consumed.

5.4. Radiologist(s):

5.4.1. Will rapidly interpret diagnostic images to ascertain the cause of distress and extent of injury.

5.4.2. Will rapidly communicate interpretive findings to the medical officer in control of each casualty and annotate an impression on the patient's assessment card.

5.4.3. Will be prepared to upgrade any casualty's triage status should their condition worsen or be determined worse than previously assessed.

5.4.4. Will communicate staffing requirements to the Flight Commander or designee.

6. CONCEPT OF OPERATIONS:

6.1. Upon notification, the Radiologist on duty, the NCOIC of Radiology or a designee, will initiate the Radiology Team / Mass Casualty Checklist. This checklist contains detailed information to ensure proper coordination of all applicable support areas and key staff members.

6.1.2 As the situation requires, the Radiology Team Chief or designee will coordinate with all shift members to ensure rapid response to the situation. He/she will be in charge of ensuring a rapid treatment response

6.2 . PATIENT FLOW:. During mass casualty situations...

6.2.1. Patients may be re-triaged at any time during their visit to the Radiology section by the Trauma Chief or other designated clinician.

6.2.2 Various diagnostic imaging modalities may be employed to determine the condition of casualties. These include routine radiography, computed tomography, and ultrasound.

6.3 In the event of a shortage, the Radiology team will contact the Medical Logistics team for prompt relief. An inventory is maintained within the flight and an MCC page or a runner to 332 EMDG Logistics section will be done to expedite retrieval of specific items.

7.0. ASSEMBLY AREA: Radiology Department

8.0. TRAINING/EXERCISE REQUIREMENTS: See Annex A, General Instructions, para 10. This is accomplished when the Team Chief determine any requirement for additional specific training relevant to the deployed location. Topics may include items such as: role of team, patient routing / flow through Radiology, re-triaging of casualties, communication of findings to medical officer-in-charge, communication with the MCC, managing psychiatric patients, handling / assessment of trauma and burn patients, CBRNE casualties and unique situations the team may face.