3135. OCCUPATIONAL FIELD 57, CHEMICAL, BIOLOGICAL, RADIOLOGICAL AND NUCLEAR (CBRN) DEFENSE

1. **Introduction.** The Chemical, Biological, Radiological, Nuclear (CBRN) Defense Field includes the detection, identification, warning, reporting, protection, avoidance and decontamination procedures associated with CBRN hazard and contamination on the battlefield. CBRN Defense Specialists' duties involve operational and technical skills, along with logistical and administrative requirements. CBRN Defenses Specialists will be required to learn Chemical and Biological (CB) Warfare Agents' characteristics, physiological symptoms and effects, treatment, detection and identification. They must know the procedures necessary for mitigating the effects of nuclear explosions and detection of radiological hazards. CBRN Defense Specialists will learn how to conduct CBRN hazard prediction, disseminate this information utilizing the CBRN Warning and Report System, and ensure their command effectively executes contamination avoidance procedures. CBRN Defense Specialists must possess the necessary knowledge to be able to employ and supervise unit level decontamination, monitor survey and reconnaissance operations. CBRN Defense Specialist must be able to effectively instruct CBRN defense individual and unit survival measures to their unit personnel, and provide more in-depth training to their unit's CBRN defense team members. Additionally, CBRN Defense Specialists must be familiar with the proper employment, operation, serviceability, maintenance, calibration, storage, supply, and accountability procedures for all CBRN defense equipment and materials down to the battalion/squadron level. Formal schooling is provided at the entry level. Billets available in the OccFld are at the battalion, select squadron, regiment and Marine Aircraft Group (MAG) level; as a member of a CBRN defense platoon in the Division or Marine Logistics Group; as a member of a CBRN defense section in a Marine/aircraft Wing; on staffs involving the development of doctrine and acquisition of new equipment; as a member of an equipment assessment unit assigned to a Marine Corps Base; as a member of the Chemical Biological Incident Response Force (CBIRF); and as an instructor at a Marine Corps or other service school. Marines entering this OccFld will initially receive MOS 5700, Basic CBRN Defense Marine.

2. MOS 5711, Chemical, Biological, Radiological, and Nuclear (CBRN) Defense Specialist (MGySgt to Pvt) PMOS

   a. **Summary.** CBRN Defense Specialists' primary responsibility is to ensure their unit is trained and ready to survive and operate in a CBRN environment. CBRN Defense Specialist assists, conduct, and supervise training in CBRN defense monitor, survey and reconnaissance, chemical detection and identification, biological agent collection and sampling, decontamination of personnel, equipment and casualties, and in individual protective measures and first aid for unit personnel. CBRN Defense Specialties also operate within the unit's combat operations center assisting CBRN Defense Officers in providing commanders in recommended courses of action to meet operational objectives and facilitate mission accomplishment as they relate to CBRN defense. CBRN Defense Specialists provide tactical information to the commander relative to CBRN exposure status, location of contaminated areas on the battlefield, and readiness status of their unit's CBRN defense equipment. Additionally, CBRN Defense Specialists are responsible for the employment, maintenance, and serviceability, of CBRN defense equipment and supplies. Senior CBRN Specialists assist commanders, Operations Officers, and the CBRN Officer in the planning, preparation and
execution of CBRN related matters including training, deployment and tactical employment of CBRN equipment, are proficient as Hazardous Materials Technician and CBRN Incident Managers for CBRN actions supporting Combating Weapons of Mass Destruction (CWMD). They supervise and coordinate the preparation of personnel, equipment for movement/placement (CBRN Surveillance and Reconnaissance), and the establishment and operation of CBRN centers. This MOS will be assigned and voided only by the authority of the CMC (MM).

b. Prerequisites

(1) Must be a U.S. Citizen.

(2) Must possess a GT score of 110 or higher.

(3) Security requirement: Secret security clearance eligibility.

(4) Must not be color blind.

(5) Must not have any respiratory problem that prohibits a masked individual from accomplishing their assigned tasks.

(6) Must not have any known hypersensitivity to the wearing of protective clothing or immunizations.

(7) Must be 18 years of age or older.

c. Requirements. Complete the CBRN Specialist Basic Course at the U.S. Marine Corps CBRN School, Ft Leonard Wood, MO.

d. Duties. For a complete listing of duties and tasks refer to reference (ap), Chemical, Biological, Radiological and Nuclear Defense Training and Readiness Manual. See also the 5711 MOS Road Map.


f. Related Military Skill. None.
<table>
<thead>
<tr>
<th>MOS</th>
<th>Rank</th>
</tr>
</thead>
<tbody>
<tr>
<td>5711</td>
<td>Chemical, Biological, Radiological, and Nuclear (CBRN) Defense Specialist</td>
</tr>
</tbody>
</table>
### MOS 5711, Nuclear, Biological, and Chemical Defense Marine (PMOS)

<table>
<thead>
<tr>
<th>Ranks</th>
<th>Required Training:</th>
<th>Skill Progression:</th>
<th>Skill Enhancement:</th>
<th>MOS Assignment:</th>
</tr>
</thead>
</table>
| **MGYSGT**  |                  | Joint Senior Leaders Course | Joint CBRN Staff Planner Course | **OFFOR**: MEF/MARFOR  
**SE**: MCCDC/PP&O/MOS School |
| **MSGT**    |                  | Joint Senior Leaders Course | Joint CBRN Staff Planner Course | **OFFOR**: Div HQ/MAW HQ/FSSG HQ/CBIRF  
**SE**: MARCORSYSCOM/MCCDC/MOS School/Joint School |
| **GYSGT**   |                  | Joint CBRN Staff Planner Course | Hazardous Materials Incident  
Commanders Course | **OFFOR**: Div HQ/MAW HQ/MLG HQ/CBIRF/MHG  
**SE**: MCB/MOS School/Joint School |
| **SSGT**    |                  | Hazardous Materials Incident  
Commanders Course | Radiation Safety Officer Course | **OFFOR**: Div HQ/MAW HQ/MLG HQ/CBIRF/MHG  
**SE**: MCB/MOS School/Joint School |

---

Figure 3-27.—Chemical, Biological, Radiological and Nuclear (CBRN) Defense

3-452 Enclosure (1)
Figure 3-27.--Chemical, Biological, Radiological and Nuclear (CBRN) Defense (continued)
Skill Enhancement: Defense Packaging of Hazardous Materials Course

Hazardous Materials Operations Course

Hazardous Material Preparer (Initial) Transportation of Hazardous Materials

MOS Assignment: OFFOR: Div Plt/MAW HQ/MLG Plt/Regt MAG/BN/SQD/CBIRF
SE: MSG Duty

-----------------------------------------------

PVT Required Training: Initial MOS Qualification Training
Skill Progression:
Skill Enhancement:
MOS Assignment: OFFOR: Div Plt/MAW HQ/MLG Plt/Regt MAG/BN/SQD/CBIRF
SE: MSG Duty

-----------------------------------------------