

ART 1.7.2 Construct, Emplace, or Detonate Obstacles

Reinforce the terrain and combine obstacles with fires to disrupt, fix, turn, or block an enemy force. ART 1.7.2 includes emplacing special purpose munitions; constructing wire obstacles, antitank ditches, tetrahedrons and log obstacles; and detonating explosives to create road craters, destroy bridges, and construct abatises. (FM 90-7) (USAES)

| NO. | Scale | Measure |
|-----|---------|---|
| 01 | Yes/No | Friendly obstacle effect accomplished the commander's intent (block, disrupt, fix, and turn). |
| 02 | Yes/No | Unit emplaced obstacles per restrictions established by higher headquarters, to include obstacle control measure graphics, environmental considerations, and rules of engagement. |
| 03 | Time | Required to conduct area reconnaissance of proposed obstacle locations, applying environmental considerations. |
| 04 | Time | For the staff to format and disseminate information from the area reconnaissance to subordinate units, higher headquarters, and laterally. |
| 05 | Time | To plan the design of individual obstacles and obstacle complexes. |
| 06 | Time | To establish the conditions necessary for obstacle construction, such as establishing security and moving class IV and class V materials to obstacle locations. |
| 07 | Time | That the obstacle construction effort is delayed due to insufficient engineer support. |
| 08 | Time | To move countermobility systems to the work site. |
| 09 | Time | To construct, emplace, or detonate (underwater) obstacles. |
| 10 | Percent | Of obstacle effort completed. |
| 11 | Percent | Of total available countermobility effort in a given time not used because of poor management. |
| 12 | Percent | Of available countermobility assets that are mission capable. |
| 13 | Percent | Of friendly fires systems used to emplace field artillery- and air- delivered obstacles. |

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| 14 | Number | Of available countermobility assets that are mission capable. |
| 15 | Number | Of friendly and civilian casualties during the construction, emplacement, or detonation of obstacles. |

Supporting Collective Tasks:

| Task No. | Title | Proponent | Echelon |
|-----------|---|-----------------------------|---------|
| 05-3-0020 | Emplace a Munition Field | 05 - Engineers (Collective) | Platoon |
| 05-3-0021 | Emplace a Munition Field, (Networked Munitions) | 05 - Engineers (Collective) | Platoon |
| 05-3-0038 | Disable Lines of Communication (LOC) With Explosives | 05 - Engineers (Collective) | Platoon |
| 05-3-0202 | Disable a Bridge With Explosives | 05 - Engineers (Collective) | Platoon |
| 05-3-2001 | Emplace Situational Obstacles | 05 - Engineers (Collective) | Platoon |
| 05-3-2003 | Create an Abatis | 05 - Engineers (Collective) | Platoon |
| 05-3-2011 | Emplace a Volcano Minefield | 05 - Engineers (Collective) | Platoon |
| 05-3-2012 | Emplace a Modular-Pack Mine System (MOPMS) Disrupt or Fix Minefield | 05 - Engineers (Collective) | Platoon |
| 05-3-2015 | Construct a Tank Ditch | 05 - Engineers (Collective) | Platoon |
| 05-3-2017 | Create a Crater Obstacle Using Explosives | 05 - Engineers (Collective) | Platoon |

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|-----------|------------------------------------|-----------------------------|---------|
| 05-3-2018 | Prepare Preconstructed Obstacles | 05 - Engineers (Collective) | Platoon |
| 05-3-2019 | Construct a Wire Obstacle | 05 - Engineers (Collective) | Platoon |
| 05-3-2020 | Construct a Log Obstacle | 05 - Engineers (Collective) | Platoon |
| 07-2-1396 | Employ Obstacles (Platoon-Company) | 07 - Infantry (Collective) | Company |