

## Individual Critical Task List

12Y10, Geospatial Engineer, skill level 1  
Enlisted, MOS: 12Y, Skill Level: SL1

Approved  
04 Mar 2022

Effective Date: 04 Mar 2022

**Distribution Restriction:** Approved for public release; distribution is unlimited.

**Destruction Notice:** None

**Foreign Disclosure: FD3** - This training product has been reviewed by the developers in coordination with the Fort Leonard Wood / MSCoE foreign disclosure officer. This training product cannot be used to instruct international military students.

**Target Audience:** Geospatial Engineer Junior Enlisted Members (E1 - E4)

Total Number of Tasks: 13

- **Training Domain/Location Column** – identifies the training location and the Leadership Domain (Institutional, Operational, or Self-Development) where the task is first trained to soldier training publications standards. If the task is first trained to standard in the unit, the word “OP” will be in this column. If the task is first trained to standard in the training base, it will identify, by brevity code (S-D, INST), the resident course where the task was taught.
- **Sustainment Training Frequency Column** – indicates the recommended frequency at which the tasks should be trained to ensure soldiers maintain task proficiency.
- **Sustainment Training Skill Level Column** – lists the skill levels of the MOS for which soldiers must receive sustainment training to ensure they maintain proficiency to soldier’s manual standards.

Task Number	Task Title	Training Domain / Location	Sust Tng Freq	Sust Tng SI
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**Subject Area 1. Analyze**

052-12Y-1001	Determine Terrain Effects on Military Operations	INST	AN	1-4
052-12Y-1009	Conduct Geospatial Analysis in support of Military Operations	INST	AN	1-4
052-12Y-1010	Employ Object-Oriented Programing for Geospatial Analysis	INST	AN	1-4

**Subject Area 2. Disseminate**

052-12Y-1011	Provide Geospatial Information and Knowledge in Support of Operations	INST	AN	1-4
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**Subject Area 3. Foundational**

052-12Y-1002	Employ Principles of Geographic Information Systems (GIS) to Solve a Geospatial Problem	INST	AN	1-4
052-12Y-1003	Employ Intermediate Principles of Geographic Information Systems (GIS) to Support Operations	INST	AN	1-4
052-12Y-1004	Determine Object-Oriented Programing Methodology to Solve a Geospatial Problem	INST	AN	1-4

**Subject Area 4. Generate**

052-12Y-1006	Process Geospatial Data to Fulfill Requirements	INST	AN	1-4
052-12Y-1007	Perform National System for Geospatial Intelligence (NSG) Standard Cartographic Production	INST	AN	1-4

**Subject Area 5. Information Technology**

052-12Y-1013	Operate an Army Geospatial Engineer System of Record (AGSOR) in Support of Operations	INST	AN	1-4
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**Subject Area 6. Manage**

052-12Y-1005	Retrieve Geospatial Data from Authoritative Data Sources to Fulfill Requirements	INST	AN	1-4
052-12Y-1008	Employ Geospatial Information Management Techniques	INST	AN	1-4

**Subject Area 7. Staff integration**

052-12Y-1012	Determine Geospatial Engineering Requirements to Support Operations	INST	AN	1-4
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