

# Operational Scenario: "Operation Mountain Watch"

## Context

A combined arms company is deployed across **Eastern Flank** and **Sector East**, a strategically vital region characterized by **mixed terrain**—forested highlands around Hill 402, open roads along Route X, and a critical river crossing at Bridge Alpha. The company's objective is to **secure three key terrain features**—Hill 402, Base Camp East, and Bridge Alpha—while maintaining **surveillance capabilities** across the eastern approach routes.

An enemy mechanized force is anticipated to advance from the southeast, employing coordinated UAV reconnaissance and systematic infrastructure targeting. The defending force consists of 12 units across 4 echelons, 15 strategic assets including bridges and surveillance platforms, 7 mobility assets, and 9 communication nodes distributed across 14 tactical locations.

## Key Entities in the Scenario

### Units

- **Alpha Company** (95% readiness, medium threat, Sector East)
- **Bravo Platoon** (60% readiness, high threat, Sector East)
- **Charlie Squad** (75% readiness, high threat, Hill 402)
- **Delta Recon** (90% readiness, medium threat, Route X)
- **Echo Support** (85% readiness, low threat, Near Hill 402)
- **Fox Artillery** (80% readiness, low threat, Ridge 203)

### Critical Assets

- **Bridge Alpha** (operational, Route X crossing point)
- **UAV-Z** (active surveillance, Sector Echo)
- **Artillery-2** (operational fire support, Ridge 203)
- **Fuel Depot** (stable logistics hub, Base Camp East)
- **Comm Tower Bravo** (operational, Hill 402)
- **Bridge Beta** (operational, River Z crossing)

### Key Locations

- **Hill 402** (forest terrain, moderate line of sight, foggy conditions)
- **Base Camp East** (open terrain, moderate line of sight, clear conditions)
- **Route X** (road network, open line of sight, clear conditions)
- **Sector Echo** (mixed terrain, high line of sight, rain conditions)
- **Eastern Flank** (open terrain, high line of sight, clear conditions)

### Environmental Factors

- **Fog over Hill 402** limiting visibility for defensive positions
- **Rain in Sector Echo** affecting mobility and communication
- **Clear conditions on Eastern Flank** providing optimal surveillance

### Threat Assessment

- **High threat level** at Hill 402 and Sector East requiring immediate reinforcement
- **Enemy surveillance capabilities** targeting Bridge Alpha chokepoint
- **Supply line vulnerability** along Route X connecting eastern positions

## Causal Dependencies

### Critical Infrastructure

- **Bridge Alpha** enables mobility between Base Camp East and forward positions, but creates a strategic chokepoint when destroyed
- **Route X** serves as the primary logistics corridor but becomes a mobility constraint under enemy fire

### Surveillance Network

- **UAV-Z** provides surveillance coverage for Mission Sentinel over Hill 402 and eastern approaches
- **Radar Station** on Hill 402 monitors eastern approach routes but becomes vulnerable to direct attack

### Supply Chain

- **Fuel Depot** at Base Camp East supports 4 forward units including Alpha Company and Bravo Platoon
- **Supply Depot Echo** on Eastern Flank maintains logistics for reconnaissance operations

### Communication Network

- **Comm Tower Bravo** on Hill 402 enables coordination between Alpha Company and Bravo Platoon
- **Net Hub 7** in Sector Echo provides backup communication for eastern units

### Fire Support

- **Artillery-2** on Ridge 203 provides fire support to Sector Echo but requires ammunition resupply from Base Camp East
- **Artillery Fox** on Western Ridge covers western approaches but has limited range to eastern positions

## Operational Vulnerabilities

### High-Risk Dependencies

1. **Bridge Alpha destruction** would isolate 6 eastern units from resupply
2. **UAV-Z communication loss** would blind surveillance over 3 critical sectors

3. **Fuel Depot compromise** would immobilize mechanized units within 48 hours
4. **Route X interdiction** would force resupply through secondary mountain trails

**Force Multiplication Opportunities**

1. **Charlie Squad reinforcement** could secure Hill 402 observation post
2. **Delta Recon mobility** enables rapid eastern flank reconnaissance
3. **Fox Artillery repositioning** could provide overlapping fire coverage
4. **Bridge Beta** offers alternative river crossing if Bridge Alpha is compromised