Real time war like situation management using strategy, tactics, and technology

Background: Considering the current situation across the globe that is not so good for the healthy commerce and trade and has various types of war like situation be it a stock market, cross country taxes, border situations, encroachments, abuse of the third party territory for creating tense situations etc we have identified few areas that can help the authorities to develop various strategies, tactics and design tools that can allow for better management of the situation.

This paper is a draft and is not a detailed one. Also this is not meant as an advice or to be used without any fore thought. Please use your best judgment to analyze this document and apply it to your situation and available budget and assets.

Below are few key areas that have been presented

How to identify friend or foe – use QAI and verification protocols to get real time feeds and kill chain commands based on the identification

How to reduce risk – Every soldier will have an easy to use mobile interface that will assess the soldier's current situation, pick the required data and feed to kill chain and war strategy DB. This will assess and offer real time feeds from commander and also from this interface, in case both not available use local on board feeds and take self action and let other peers know what is happening with him. It raises the real time events to a newer kill chain graph and priority plan that will work along with the strategy tree (options, what-if analysis, and best solution for current situation)

Homing guidance – In case of issues with the soldier, he can quick refer the best homing path and nearby area where he can take help from his peers. He can also return to base if required to replenish.

Ground operations – In coordination with the Air force , Navy and Kill chain commands , every soldier along with the group commander can take the action and provide a task done, any loss or any gain using very simple gestures to the mobile app or interface there by updating others and raising any alarm or supplies needed. This will allow for making progress and also gaining real time feed from various intelligences and kill command that will help actively engaging and neutralizing the enemies be it army, navy or air force based event. Every solider be any wing will get all feeds and he can decide best operation with required hand held tool, arm mounted, rifle, or can float air based attack drones.

Air force operations – In coordination with the command center, satellite intelligence and real time ground progress and no attack zones (friend's zone) the pilot will take the command and try to execute the operations. There will be enemy bases, ground soldier, hand operated missiles, drone that will hinder the pilots course. The first choice is the neutralize anything that comes during this course using various types of onboard devices, gun shots, and those to distract the incoming missiles. Once these are neutralized, pilot will drop the bomb or deploy the missile based on set target or based on real time feed of the mobile target. Pilot will return after completing the job, or without success. It is best no to venture deep. Other AI based robots, drones can take a longer course and can help pilot to reach the target safely. These drones can be deployed in coordination with the ground friends or self if available on board

Navy operations-In coordination with other friends, submarines, navy fleets, navy boats, navy marker data etc, for a given kill command operation, the commander will take necessary steps to reach the point of attack, deploy the missile to the target be it missile or anti-missile device. Also various climatic conditions, satellite feeds, no signal zones (self blind navigation), it should be possible for the commander to obtain incoming threats, by visual inspection, intelligence feeds etc and neutralize them. For incoming hypersonic missile attack suitable warning system and lock and fire type operations to be made possible. There can be swarms of boats and missiles like the denial of service attack where, commander has to split team to engage with the denial of service attacks, deploying missile to set target and safety of the ship. All of these should be possible using signals and in case of signal jammers, look for homing guidance based on

current location and return to a safe location. If signals available reach to the point if time permits or fire when command is received.

Command center operations- This has real time data acquisition, analysis and reply to relevant channels in near real time not exceeding a max time of 5 minutes (that can allow for the incoming target to hit us) . This also has human handlers who will operate and over ride any kill chain command if required. A kill chain command analysis tree, AI graphs are used to derive results and options for every war operations that will be in line to the set mission, target, soldier available tools, devices and operational condition. This command center will have access to historical data and any situation breakers that will allow applying the commands that can take the situation to a win and ground progress. For any human fatalities, no show, no reply it is assumed the device, soldier is no more and will be handed to other operators to trace, track and retry to get them back.

Any risks are analyzed and a high level team will monitor the MIS, dashboard, course of every mission, status of every war asset, inventory and any reorder, payments to be made will be decided by the governing team, the federal agencies and responsible staff. Based on the course of action over days, the systems data will be continuously analyzed, enemy patterns, actions are studied by AI and any reactions to be taken will be provided by AI agents.

Any type of in-house intelligence can be developed from the data, patterns and progress. Any loss and damages will be taken priority and various forces can be relocated to the priority area. This can be an exercise similar to a drill

Inland safety – Various types of devices, monitors, AI tools, enemy detection, intrusions, anti missile systems to be deployed in every major city that can be a possible hit list. Even if the war is not progressing well, we are safe and the residents can take on active or passive roles to help the soldiers and the needy. A community center will be used to monitor and inspect the local situation and various safety points, bunkers, black out events, damages survey, fire detection and diffusing, hospital events, wounded soldier management, real time care and nursing events to be done as necessary. Every resident to have a mobile SMS, app, based situation awareness that will allow them to be forewarned of any attacks, intruders, etc

Coordination, **awareness, intelligence** – All these are needed and these are possible if every soldier and every resident is aware of the situation, and has something to share about his local position, any threats, any doubtful neighbors, any intrusion, non-local presence, enemy identified using Ai facial, voice device using a mobile app etc. All these are to be part of the whole war that can be of one day or stretch to years. With this we are sure to win a war with less damages, better intelligence, better situation assessment etc

Disclaimer: This is not an advice nor targeted to any person, or a group. This is an educational material to help prevent loss, reduce risk and help manage war like situations. For more details, please reach out to: vijaymohire at gmail dot com