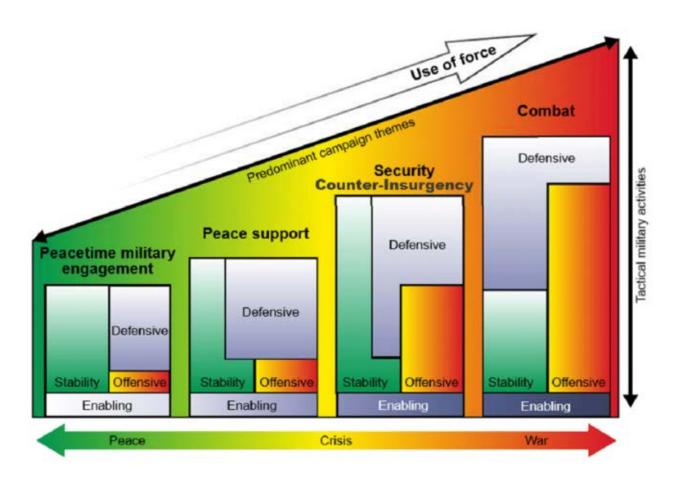
Adapt-Adopt-Evolve

The Electronic Disruption Cycle in WAR By Lieutenant Colonel Dan Carlson What skills we need to Lead in volatile, complex, and ambiguous problems.?

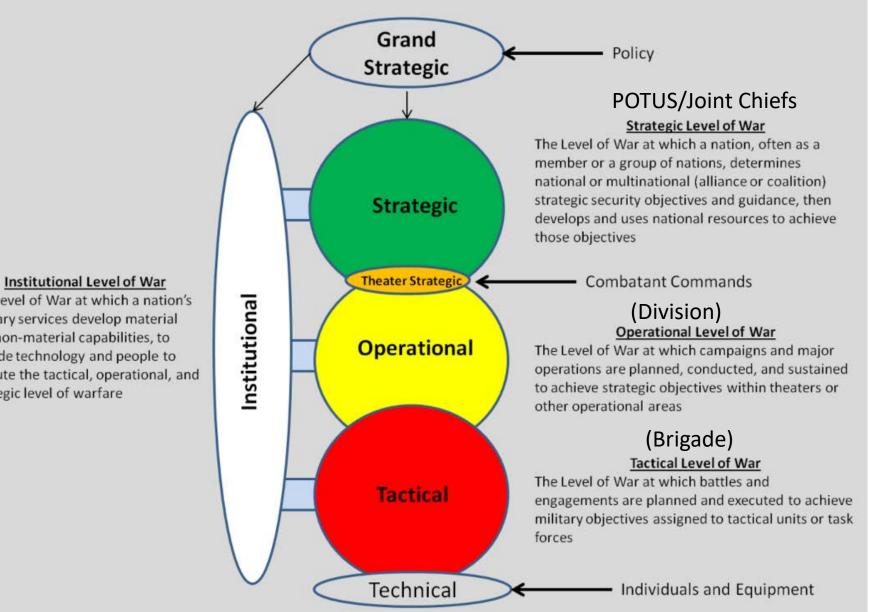
- Order
- Calm
- Rational
- Communication
- Focus
- Direction
- Confidence
- Personal Courage

Military 101 From Order to Chaos

https://www.researchgate.net/figure/The-Spectrum-of-Conflict-1_fig1_326653575



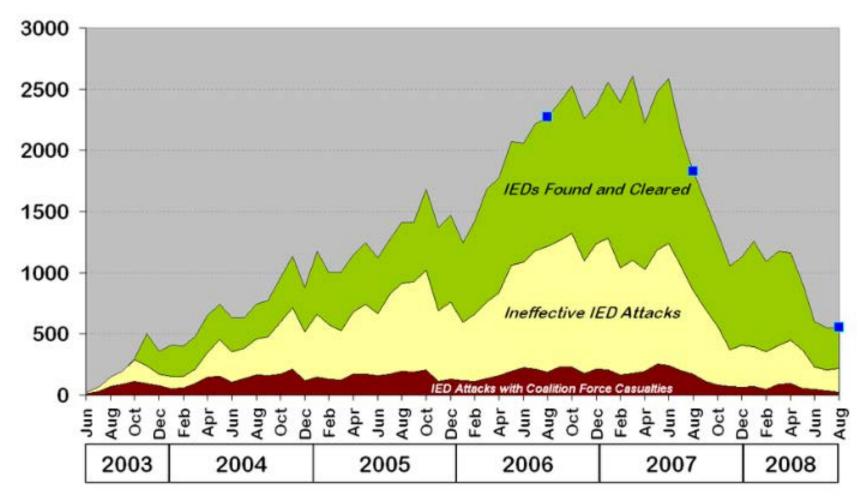
Levels of Warfare



The Level of War at which a nation's

military services develop material and non-material capabilities, to include technology and people to execute the tactical, operational, and strategic level of warfare

Insurgent success with Bombs



Getting Left of Boom!

3. "Hillbilly Armor"



2. Total destruction





4. Add-on Armor Plating



5. Up Armor HUMMWV



6. Advanced counter IED vehicles: 'Buffalo'



Joint Improvised Explosive Device Defeat Organization (JIEDDO)

JIEDDO's counter-IED capability areas include countering threat-networks, detection, neutralizing IEDs, limiting homemade explosives, information integration and fusion to increase situational awareness, weapons technical intelligence, and counter-IED training.

JIEDDO currently has a roster of about 400 military and civilian staff and about 700 contract personnel.







COMMAND WIRE (CW)





Invisible counter measures

Warlock



Duke



Command Initiated

. Cell phones

2. Radios

Bomber to choose optimum moment to detonate IED



60	67
	Constant of the
	Contract of
the second	- HERRY





6.Any combination of

8. Car Alarms

transmitter/receiver

7. Mechanical (Pull/Release)

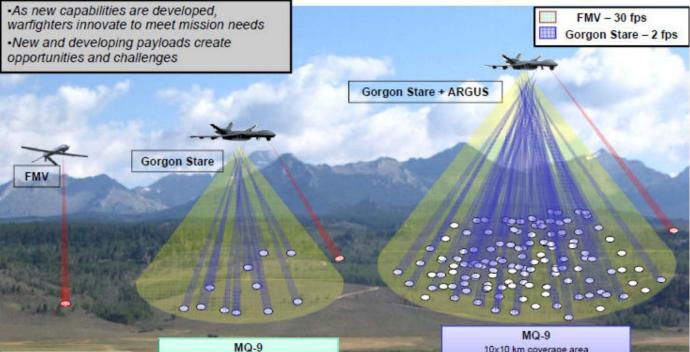




Persistent Stare Doctrine

Establish a pattern of life or detect changes forensically

Wide Area Airborne Surveillance (WAAS)









Task Force ODIN Using innovative technology to support ground forces [Image 1 of 3]



TIKRIT, IRAQ			
08.07.2007			
Courtesy Photo			
25th Combat Aviation Brigade	Q	2	



An aerial reconnaissance multi-sensor (ARMS) sits outside Task Force ODIN (Observe, Detect, Identify, and Neutralize) at Contingency Operating Base Speicher.

The only thing that is constant is change. ~ Heraclitus



DARPA-Defense Advanced Research Projects



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DTRA Role



Invisible, Essential: Open Architecture For Army Aircraft

The Army will hold five demonstrations this year for the electronic backbone of its future manned aircraft and drones. A forerunner is a entering service.

By SYDNEY J. FREEDBERG JR. on April 19, 2019 at 1:55 PM



The digital, open-architecture cockpit of the upgraded UH-60V "Victor" Black Hawk



https://www.msn.com/en-us/news/world/us-sees-war-zone-drones-as-new-improvised-explosive-devices/ar-BB110uQb?utm_source=Sailthru&utm_medium=email&utm_campaign=EBB%2003.11.20&utm_term=Editorial%20-%20Military%20-%20Early%20Bird%20Brief

U.S. Sees War-Zone Drones as New Improvised Explosive Devices

Tony Capaccio 5 days ago

(Bloomberg) -- Drones deployed by Iran or its surrogates for reconnaissance and potential attacks against U.S. forces in the Middle East are the most daunting new regional threat since improvised explosive devices were deployed during the Iraq war, according to the top U.S. commander in the region.



NETWORKS/CYBER

US Has Lost 'Dominance In Electromagnetic Spectrum': Shaffer

By SYDNEY J. FREEDBERG JR. on September 03, 2014 at 3:49 PM



The Navy's new EA-18G Growler electronic warfare aircraft during sea trials.



Shop radio frequency jammers



Sponsored

Axioms

- We lead people-not technology
- During change increase the rate of communication
- The market (and enemy) gets a vote
- 'Everything' is not a priority
- Anticipate stressful reactions during change, let it surface
- Abandon tribal knowledge if necessary
- Change is incremental and iterative: small wins
- Organizational enthusiasm will deplete right before success
- Uplifting others is always a better way to be
- It takes personal courage to lead during disruption. Work on it.

Thank you for listening

Questions?

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