

Campus Safety CONFERENCE 2019

Making Campuses Safer — TOGETHER

An Interdisciplinary Approach to Evaluating Technologies

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Housekeeping

- Cellphones on vibrate or silent
- Access to the presentation
- Q&A Session at end
- Evaluations
- Social Media



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About Me

- 50 years of public service
- Ph.D.; former university professor
- Former chief of police
- Nationally recognized expert on NC2
- Certified firearms and active shooter response instructor
- Oversees outreach to 75K students on 6 campuses at nation's second largest and most diverse community college



About this Session

Session Takeaways

- Technology (and other decisions) exist within a cultural/structural context
- Decisions must relate to and will vary with an agency's priorities
 - Diverse inputs in a collaborative environment are key
- Systematic and collaborative methodology for decision-making
 - How to relate means to ends
 - How to identify the health of agency missions
 - How to identify priority corrective actions
 - How to gain funding support in a resource-constrained environment

Exercise

List 3-5 problems with/obstacles to decision-making and implementation in your organization.

Is the Security/LE Environment Stable?

- If not:
 - Are our goals consistent with the emerging environment? How do we know?
 - If not, what mechanisms exist to modify them? Who leads the effort?
 - If we change our goals, what are the impacts on:
 - Priorities?
 - Resources and programs?
 - Authority patterns and organizational culture?
 - What is the role of leadership in:
 - Facilitating organization change?
 - Managing cultural dislocations?

Selected Trends Affecting Security/LE Environment

- Aging population
- Immigration
- Fractionalization of society, with increasingly partisan politics
- Terrorism, including increasing frequency/lethality of active incidents
- Increasing government regulation
- Mental health “epidemic”
- Digitalization of society
- Challenges to hierarchy

Aging society: Generational Differences Affect CFS

- Increased eldercare health issues (welfare checks)
- Older citizens feel entitled; expect respect/deference; adhere to values:
 - Sacrifice
 - Responsibility
 - Accountability
 - Organizational loyalty
 - Defer immediate gratification for long-term goals
- Lower tech (confused by police actions, which they consider impersonal)
- Financial drag on investment and families (heightens importance of issues)

Aging (cont.)

- Millennials/Me Generation: opportunities and challenges for LE
 - Virtual/high tech (officers seem impersonal)
 - Episodic focus (twitter, short texts); less focus on long-term goals
 - Not constrained by information structural hierarchies (violation of chain of command)
 - Less internal and overall organizational loyalty (e.g., retention issues)
 - Fewer face-to-face communications skills
 - Individualism (i.e., everyone is special)
 - More current information than superiors, though former lacks experience

Immigration

- New languages (both verbal and non-verbal) and perspectives
- Fear and distrust of police/uniformed personnel
- Youth; high unemployment and poverty
 - Attractive gang recruitment targets; violence
- Different attitudes of some toward traditional US values/culture hinders assimilation:
 - Role of women
 - LGBTQ
- Remain outside system; however, reliance on government support

Fractionalization of Society

- “Ask not what your country can do for you.”
- Fewer unifying experiences: military, warfare, Cold War, campus protests
- Reduced overt commitment to commitment/self-sacrifice
- Balkanization: age, gender, wealth, race, sexual orientation, abortion, ideology
 - Tribalism (focused on mutual hatred) displaces sense of community (mutual affection)
- Increasingly partisan politics, resulting in stagnation and cynicism:
 - “Wealth Creators” vs. “Wealth Consumers”
 - Others: “deplorables”, “low information voters” (left and right)

Terrorism

- Domestic: Sovereign Citizens, AltRight, Antifa, Lone Wolves, Copy Cats
 - Responding to real/perceived grievances
- International: Al Qaida/ISIS identify schools as attractive targets
 - Magazines are instructional guides to terrorism
- Increasing sophistication of threats
- Increased government surveillance/intrusion
 - Due process?
 - Secrecy?

Digitalization of Society [“Print is dead!”; (Egon Spengler, “Ghostbusters”)]

- Instantaneous information from multiple and decentralized sources
 - People tend to reconfirm biases by program selection
- Providers are able to manipulate info delivered
- Cloud storage/control over one’s information?
 - Paper vs. digital records: new issues (e.g., storage duration/capacity; data management systems; security)
- Issues:
 - Info overload and constantly changing
 - What do we know?
 - How can we be sure?
 - New crimes (beyond white collar; international)

Mental Health/Clinical “Epidemic”

(depression, psychoses, manic, panic)

- These people are on your campuses
 - Nearly 20% of US adults live with mental illness (2016, Nat’l Inst. MH)
 - Fewer than half receive treatment
- National College Health Assessment results:
 - 21 million college students transitioning to adulthood undergo significant challenges to mental health and well-being.
 - New social structure; greater academic pressure; less familial support; campus activity obligations; struggle to balance academic, social, nutrition, exercise, etc. (IACLEA, Jan/Feb 2019)
 - *60% of student surveyed experienced overwhelming stress/anxiety.*
 - *40% were too depressed to function. (Behavioral impacts?)*
 - Only 10-15% of these students seek mental health assistance.

Mental Health Issues Increasing

(2010-2015 Changes)

- Been hospitalized for MH concerns: + 46%
- Seriously considered suicide attempt: + 38% (within last month: + 15%)
- Made a suicide attempt: + 20%
- Attended counseling for MH concerns: + 7%
- Taken medication for MH concerns: + 7%
- Anxiety Disorder: 3.2-fold increase in the probability of substance abuse disorder
 - Since 2008, ER visits/in-patient stays increased 260%/325%, respectively
 - 3-fold rise in cost of treatment, to ~\$3 billion
 - Earn 11% less than those without anxiety disorders
- How much training do employees receive?
- Technological opportunities?

(source: Campus Law Enforcement Journal, IACLEA, Jan/Feb 2019, pp. 28-30) and National Center for Campus Safety, Weekly Snapshot May 29, 2019

Decision Structures (Ideal Types)

Hierarchy/Pyramid

- Focus: production
- Requirements/characteristics:
 - Stable/predictable
 - Specialization (“stay in lane”)
 - Rational cost/benefit dmkg
 - Specified AORs/stay in lane
 - Unambiguous chain of command
 - Specified comms paths
 - Accountability for failure
 - Over-values authority

Flat/Decentralized

- Focus: innovation/adaptation
- Requirements/characteristics:
 - Dynamic
 - Sharing information
 - C/B not possible; risk-taking
 - Interdependence/collaboration
 - Expertise trumps authority/knowing the ropes
 - Multiple/overlapping comms paths
 - Shared responsibility/interdependence

In other words....

Implications: change/complexity

- New forms of motivation
- New forms of crime
- New societal values/expectations
- Acceleration of technology
- New channels of communications
- New loci of influence (i.e., authority dislocations)
- Interdependent systems

Impact of Complexity: new org culture

- Cross agency communications
 - Consistent with “flat” social media
- Change from pyramid to hybrid
- New decision calculus
- Role of leader
 - Get the right people at the table early in the process
 - Expand dmkg beyond depts
 - Teamwork, not dept advocacy

Can Hierarchy Generate Innovation?

- Authority vs. Expertise Gap
- Different values within structure (Essence of Decision)
 - Kennedy values vs. Service values
 - Departmental vs. Overall loyalty
- Difficulty in making “rational” decisions
 - Bias toward incremental decision-making
 - Change threatens mission, influence, procedures
- Resistance to movement away from:
 - Hierarchy/authority structures
 - Production

How to Generate Innovation?

- Focused teams collaborating under leadership
- Decentralize
- Skunk Works
- Rotate people out of long-term positions
- New hires
- Anonymous suggestion box
- Heterarchy (authority and expertise centers are not in the same place)
 - Work accomplished by centers of expertise (e.g., underlings draft summit agreements, which leaders bless)
- *Others?*

Questions

Are you still using the same technologies?

What is your decision structure?

Is it proactive or reactive?

Who participates?

Methodology

Sound familiar?

- 3 options presented to a decision-maker
 - New video camera system (police/security)
 - Electronic key system (facilities)
 - Panic dialers in all classrooms (IT)
- Limited resources (money, implementation time)
- Factors affecting decision
 - Perceived need (varies with departments)
 - Personalities
 - Alliances
 - Relative power of respective advocates and divergent perceptions of needs)
 - Experience of leaders
 - Bureaucratic culture

Focus

- How do we decide to decide?
 - What are the rules/criteria?
 - Who decides?
- Every decision must be evaluated with respect to:
 - The institution's cultural/structural context
 - The institution's overall goals
 - Not necessarily the department's goals
 - How the decision helps achieve the goals

Methodology

- Identify/prioritize ends (i.e., goals, outputs)
- Identify relationships between goals
- Identify means/inputs (available; needed)
- Determine which means affect which ends
- Determine health/capability of means
- Evaluate ability to achieve each goal
- Identify means with the greatest impacts across the agency's goals
- Develop corrective actions/strategic plan

Selected Goals (not in order of priority) (17)

- Support academic pursuits
- Create sense of community
- Enhance staff professionalism
- Create/maintain safe campus
- Enhance reputation for safety
- Support recruitment
- Support efficient business ops
- Avoid liability
- Enhance ability to innovate
- Student success/throughput
- Crisis response, mitigation, recovery
- Enhance campus members' perception of safety
- Enhance situational awareness
- Deter/address concerning behaviors
- Connectivity to local responders
- Integration with other institutions
- Long-term cost savings

Interactions of Goals

Handout

Identify means (input categories)

- Personnel
- Procedures
- Facilities
- Equipment
- Communications

Personnel (12)

- # of people
- Training content
- Concentration
- Experience (seniority/authority vs. expertise)
- Training frequency
- Assignment (e.g., is someone monitoring technological trends, the competition, etc.?)
- Location (proximity)
- Hierarchy/organization
- Specialization (security, emergency management, facilities, IT, academic, admin)
- Training staff
- Turnover
- Recruitment competition

Exercise: Attendees Identify Procedures, Facilities, Equipment and Communications

- 2-person teams
 - What do you have?
 - What do you need but don't have?
 - Etc.

Procedures (12)

- Drills
- Exercises
- Identify issues
- Analyze issues and technology (e.g., mean time between failures)
- Innovation
- Assess personnel
- Determine standards
- Lessons learned/best practices consolidation and implementation
- Follow-up
- Disaster response
- Real-time monitoring of cameras
- Patrol

Facilities (9)

- EOC
- Dispatch
- Hardened/secure evacuation locations and shelters
- Distributed locations for security officials
- First aid stations
- Climate-controlled storage sites
- Hardened, safe and secure protective spaces for HAZMAT, weather, etc.
- Secure special equipment (servers, records, financial offices)
- Laboratories

Equipment (including programs) (17)

- Social media monitoring
- Opaque film to cover doors
- Tourniquets'
- AED
- First aid kits
- Electronic locking systems
- Physical locking systems
- Gun shot recognition
- Generators
- TECC Kits
- Bollards/jersey barriers
- Speed bumps
- Cover in evacuation areas
- Security cameras
- Crime analysis software
- Electronic signage (flat screens)
- Data storage and retrieval systems

Communications (12)

- Alert systems (cell, computer pop-ups, etc.)
- Social media
- Mobile safety app
- HT radios (interoperable) for parking, facilities, wardens, administrators, etc.
- Police radios
- Alarm systems (internal)
- Panic dialers
- Loud speakers
- Audio alerting systems (external)
- Radio station
- TV station
- Website

Matrix

- 17 ends/goals
- 61 means/inputs
- Matrix = 1037 cells

	<u>Ends</u>						
<u>Means</u>	Environment	Reputation	Response	Liability	Awareness	Perception	# of Goals Affected
EOC	1	1	1	1		1	5
Dispatch Center	4	4	4	4	4	4	6
Hard Evac Ctrs	3	3	3	3	3	3	6
Hard Security Office	0		0				2
First Aid Stations	3		3	3	3	3	5
<hr/>							
# of impacts	5	3	5	4	3	4	
Max Poss. Score	25	15	25	20	15	20	
Score (column sum)	11	8	11	11	10	11	
Proportion	.44	.53	.44	.55	.67	.55	

Overall Status of Goals

- Environment: (sum of column/max possible score) .64
- Reputation: .62
- Liability: .61
- Response: .56
- Awareness: .64
- Perception: .59
- Behaviors : .45

Priorities (based on handouts)

- Remote security stations/kiosks (affects all 7 goals)
- Mobile safety app (affects 7 goals)
- TECC kits for classrooms (affects 5)
- EOC (affects 3)
- Gun shot recognition (affects 3)

How to prioritize corrective actions

- Probability of success
- Feasible
- Timeliness
- Dependent on other corrective actions being achieved first?
- Affects higher vs. lower priorities?
- Value (is the cost worth it?)
- Others?
- Are loudspeakers (yellow 3; affects 6 goals) more critical than a red that affects 3 goals?)

Exercise

Lessons learned?

Concluding thoughts

- Who decides whether goals are relevant and what are the criteria?
 - How is this process initiated and by whom?
 - Is the decision made before the crisis of imminent failure?
 - How do goals change over time?
- Organizational decisions do not exist in a vacuum; *shaped largely by culture*
- Innovation must be a continuous process in a dynamic environment
- Innovation does not occur naturally in hierarchical organizations
 - Supportive structures must be instituted with required assets/authorities
- Decisions must be tied to the organization's (not dept's) prioritized goals
- Leader must get the right people to the table early enough and encourage risk-taking and decentralized/interdependent approaches

Reminders

- Access to the presentation
- Evaluations
- Social Media

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Back-up Slides

Manifestations

(e.g., developmental issues, PTSD, TBI)

Everyone is under the influence!

- Sensory overload
- Challenged by abstract thoughts
- Most crave routine
- Frustration due to shame, confusion or hopelessness
- Preoccupation w/certain ideas
- Problems with reason and problem-solving
- Volume
- Memory problems
- Lack of empathy and shared perspectives
- Embarrassment
- Defensiveness (personal space)
- Pacifying behaviors (may appear disrespectful)
 - Rocking
 - Stringing
 - Pacing /inability to sit still

Dilemmas

- Limited budgets
- Competing orientations, values and goals
- Different means/ends calculus
- Difficulty in evaluating innovation
- Myopia due to specialization and having to stay in one's lane
- Complexity of technology
- Inter-dependent systems
- Changing priorities in a dynamic environment
- Authority vs. expertise gap