



Calhoun: The NPS Institutional Archive
DSpace Repository

Theses and Dissertations

1. Thesis and Dissertation Collection, all items

2008-03

An examination of state and local fusion centers and data collection methods

Nenneman, Milton.

Monterey, California. Naval Postgraduate School

<http://hdl.handle.net/10945/4174>

Downloaded from NPS Archive: Calhoun



Calhoun is a project of the Dudley Knox Library at NPS, furthering the precepts and goals of open government and government transparency. All information contained herein has been approved for release by the NPS Public Affairs Officer.

Dudley Knox Library / Naval Postgraduate School
411 Dyer Road / 1 University Circle
Monterey, California USA 93943

<http://www.nps.edu/library>



**NAVAL
POSTGRADUATE
SCHOOL**

MONTEREY, CALIFORNIA

THESIS

**AN EXAMINATION OF STATE AND LOCAL FUSION
CENTERS AND DATA COLLECTION METHODS**

by

Milton Nenneman

March 2008

Thesis Advisor:
Second Reader:

Robert Simeral
Chris Bellavita

Approved for public release; distribution is unlimited

THIS PAGE INTENTIONALLY LEFT BLANK

REPORT DOCUMENTATION PAGE			<i>Form Approved OMB No. 0704-0188</i>
Public reporting burden for this collection of information is estimated to average 1 hour per response, including the time for reviewing instruction, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Washington headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188) Washington DC 20503.			
1. AGENCY USE ONLY (Leave blank)	2. REPORT DATE March 2008	3. REPORT TYPE AND DATES COVERED Master's Thesis	
4. TITLE AND SUBTITLE An Examination of State and Local Fusion Centers and Data Collection Methods		5. FUNDING NUMBERS	
6. AUTHOR(S) Milton Nenneman		8. PERFORMING ORGANIZATION REPORT NUMBER	
7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES) Naval Postgraduate School Monterey, CA 93943-5000		10. SPONSORING/MONITORING AGENCY REPORT NUMBER	
9. SPONSORING /MONITORING AGENCY NAME(S) AND ADDRESS(ES) N/A		11. SUPPLEMENTARY NOTES The views expressed in this thesis are those of the author and do not reflect the official policy or position of the Department of Defense or the U.S. Government.	
12a. DISTRIBUTION / AVAILABILITY STATEMENT Approved for public release; distribution is unlimited		12b. DISTRIBUTION CODE	
13. ABSTRACT (maximum 200 words) This research will focus on fusion centers, particularly the expectation of state and local fusion centers and their role. How will fusion centers add to the national effort to protect the Homeland, while also providing a benefit to their local communities? This effort will seek to determine what role the state and local fusion centers should be concerned with and how they might add local value. With the increasing prevalence of fusion centers it will be important to determine how those fusion centers will be used and how they will collect the information that they will fuse, or analyze, and turn into an intelligence product. There are several questions before fusion centers such as, who are your customers, what is your product, how do you collect and analyze your data, how do you get information from emergency responders and actionable intelligence back to them? If the fusion centers can produce a timely, locally actionable, and relevant product to its customers in the form of strategic analysis to policy makers, tactical analysis to counter terrorism, tactical analysis to major criminal investigations, and situational awareness and reporting mechanisms to the emergency responder community then they will have established their value.			
14. SUBJECT TERMS Fusion centers, intelligence, data collection, emergency responders, terrorism liaison officers		15. NUMBER OF PAGES 139	
		16. PRICE CODE	
17. SECURITY CLASSIFICATION OF REPORT Unclassified	18. SECURITY CLASSIFICATION OF THIS PAGE Unclassified	19. SECURITY CLASSIFICATION OF ABSTRACT Unclassified	20. LIMITATION OF ABSTRACT UU

THIS PAGE INTENTIONALLY LEFT BLANK

Approved for public release; distribution is unlimited

**AN EXAMINATION OF STATE AND LOCAL FUSION CENTERS AND DATA
COLLECTION METHODS**

Milton W. Nenneman
Lieutenant, Sacramento Police Department
B.A., California State University, Humboldt, 1986
M.S., California State University of Long Beach, 2005

Submitted in partial fulfillment of the
requirements for the degree of

**MASTER OF ARTS IN SECURITY STUDIES
(HOMELAND AND SECURITY DEFENSE)**

from the

**NAVAL POSTGRADUATE SCHOOL
March 2008**

Author: Milton W. Nenneman

Approved by: CAPT Robert Simeral
Thesis Advisor

Chris Bellavita, PhD.
Second Reader

Harold A. Trinkunas, PhD.
Chairman, Department of National Security Affairs

THIS PAGE INTENTIONALLY LEFT BLANK

ABSTRACT

This research will focus on fusion centers, particularly the expectation of state and local fusion centers and their role. How will fusion centers add to the national effort to protect the Homeland, while also providing a benefit to their local communities? This effort will seek to determine what role the state and local fusion centers should be concerned with and how they might add local value.

With the increasing prevalence of fusion centers it will be important to determine how those fusion centers will be used and how they will collect the information that they will fuse, or analyze, and turn into an intelligence product. There are several questions before fusion centers such as, who are your customers, what is your product, how do you collect and analyze your data, how do you get information from emergency responders and actionable intelligence back to them?

If the fusion centers can produce a timely, locally actionable, and relevant product to its customers in the form of strategic analysis to policy makers, tactical analysis to counter terrorism, tactical analysis to major criminal investigations, and situational awareness and reporting mechanisms to the emergency responder community then they will have established their value.

THIS PAGE INTENTIONALLY LEFT BLANK

TABLE OF CONTENTS

I.	INTRODUCTION.....	1
A.	PROBLEM STATEMENT	1
B.	RESEARCH QUESTION	3
C.	SPECIFIC RESEARCH OBJECTIVE	4
D.	SIGNIFICANCE OF RESEARCH	4
E.	REVIEW OF RELEVANT LITERATURE.....	5
	1. Fusion Centers.....	5
	<i>a. Funding</i>	<i>6</i>
	<i>b. Resource Augmentation.....</i>	<i>7</i>
	<i>c. Technical Support.....</i>	<i>8</i>
	<i>d. Fusion Process</i>	<i>10</i>
	<i>e. Administration.....</i>	<i>12</i>
	<i>f. Mission</i>	<i>12</i>
	<i>g. All Crime Vs Strictly Counterterrorism.....</i>	<i>13</i>
	<i>h. Strategic Vs Tactical Analysis</i>	<i>14</i>
	<i>i. Analysts.....</i>	<i>16</i>
	<i>j. Dissemination.....</i>	<i>17</i>
	2. Data Collection	18
	<i>a. Community-Oriented Policing (COP).....</i>	<i>20</i>
	<i>b. Hypothesis</i>	<i>22</i>
	<i>c. Methodology and Resources</i>	<i>22</i>
	<i>d. Literature Review</i>	<i>23</i>
	<i>e. Survey</i>	<i>23</i>
	<i>f. Interviews</i>	<i>24</i>
II.	SURVEY RESULTS.....	25
A.	SURVEY RESPONSES.....	25
B.	SACRAMENTO JOINT POWERS AUTHORITY (JPA) SURVEY	32
C.	SUMMARY OF THE CALIFORNIA FUSION CENTERS SURVEY	34
D.	SUMMARY OF THE SACRAMENTO JOINT POWERS AUTHORITY (JPA) SURVEY	35
III.	ANALYSIS OF CURRENT PRACTICE FOR FUSION CENTERS.....	37
A.	MANAGEMENT OF THE FUSION CENTER	37
	1. Mission	38
	<i>a. Customer Identification</i>	<i>40</i>
	<i>b. Tasking</i>	<i>42</i>
	2. Philosophy.....	44
	<i>a. Prevention.....</i>	<i>45</i>
	<i>b. Establish a Local Threat.....</i>	<i>47</i>
	<i>c. Strategic vs. Tactical</i>	<i>51</i>
	<i>d. All Crimes vs. Strictly Counterterrorist.....</i>	<i>52</i>
	<i>e. Prioritization.....</i>	<i>58</i>

3.	Leadership	59
B.	ANALYSTS	60
1.	Training	63
C.	INTELLIGENCE DISSEMINATION.....	67
IV.	ANALYSIS OF CURRENT PRACTICES FOR DATA COLLECTION.....	71
A.	EMERGENCY RESPONDERS	72
1.	Value of ER Data Collection	73
2.	Establishing a Need.....	74
3.	Situational Awareness	75
4.	Reporting Mechanism	76
B.	DATA COLLECTION.....	78
1.	Terrorism Liaison Officer (TLO) Programs.....	78
a.	<i>Overview of Sacramento RTTAC TLOs.....</i>	<i>78</i>
b.	<i>Overview of the LA TLO Program</i>	<i>82</i>
c.	<i>Overview of the Northern California (NC) TLO Program....</i>	<i>84</i>
d.	<i>Overview of the San Diego TLO Program</i>	<i>85</i>
e.	<i>Overview of the Arizona TLO Program</i>	<i>86</i>
2.	Terrorism Early Warning Groups (TEWG).....	87
3.	Special Considerations for Other ER Communities.....	89
4.	Community-Oriented Policing.....	90
V.	RECOMMENDATIONS FOR FUSION CENTER OPERATION	95
A.	MANAGEMENT	95
1.	Mission	95
2.	Philosophy.....	97
3.	Prevention.....	97
4.	Tactical vs. Strategic.....	98
5.	Prioritization	99
6.	Leadership	99
B.	ANALYSTS	100
C.	DISSEMINATION.....	101
D.	SUMMARY OF FUSION CENTER RECOMMENDATIONS.....	103
VI.	RECOMMENDATION FOR DATA COLLECTION.....	105
A.	TERRORISM LIAISON OFFICERS.....	105
B.	TERRORISM EARLY WARNING GROUP (TEWG)	106
C.	COMMUNITY-ORIENTED POLICING	107
D.	SUMMARY OF DATA COLLECTION RECOMMENDATIONS	108
VII.	CONCLUSION	109
	APPENDIX.....	111
	LIST OF REFERENCES.....	119
	INITIAL DISTRIBUTION LIST	123

LIST OF FIGURES

Figure 1.	Fusion product consumers.(From STTAC/RTTAC Survey).....	26
Figure 2.	Criminal focus of all crimes fusion centers. From STTAC/RTTAC survey ..	27
Figure 3.	Role of the TLOs. (From STTAC/RTTAC survey).....	32

THIS PAGE INTENTIONALLY LEFT BLANK

LIST OF ACRONYMS AND ABBREVIATIONS

ACAMS – Automated Critical Asset Management System

NCISP – National Criminal Intelligence Sharing Plan

DHS – Department of Homeland Security

FCG – Fusion Center Guidelines

HSAC – Homeland Security Advisory Councils

ER – emergency responder

ICS – Incident Command System

NC – Northern California

LE – law enforcement

LASD – Los Angeles Sheriff's Department

LAPD – Los Angeles Police Department

FBI – Federal Bureau of Investigation

IC – Intelligence Community

RTTAC – Regional Terrorism Threat Assessment Center

STTAC – State Terrorism Threat Assessment Center

TLO – Terrorism Liaison Officer

THIS PAGE INTENTIONALLY LEFT BLANK

ACKNOWLEDGMENTS

I would like to first acknowledge my wife for her unconditional support throughout the process of not only writing this thesis but through the past eighteen months of course work. She was always encouraging and available to proofread my papers. She not only tolerated my pre-occupation, but never let me feel bad about it. Victoria, I love you and owe you a debt of gratitude that is humbling.

It is with great pleasure that I acknowledge and thank my thesis advisors, Robert Simeral and Chris Bellavita, who helped organize my thoughts and gave me guidance when I needed it most. The entire staff at the Naval Postgraduate School contributed to my success and the success of everyone who has participated. Their commitment and support is incomparable. The professionalism of all of the instructors makes one strive to excel. I would particularly like to note Greta Marlatt for her research tips and Lauren Wollman for instilling an appropriate amount of trepidation on documentation and timelines.

I would also like to acknowledge my Chief of Police Rick Braziel, first for encouraging me to apply to NPS and secondly for his support during my time in the program. Finally, I would like to acknowledge those that gave up their time to participate in my survey or allowed me to interview them. I am indebted to them for their cooperation and frank input. I would like to specifically thank Sacramento Sheriff's Lt. Tim Johnstone. He was instrumental in helping me gain access to many of the managers and staff of the fusion centers throughout the state.

THIS PAGE INTENTIONALLY LEFT BLANK

I. INTRODUCTION

A. PROBLEM STATEMENT

State and local fusion centers have emerged in a rather rapid manner throughout the country. This is a natural reaction to the unexpected attack of 9/11. Local officials wanted more intelligence to prepare them to protect their communities against any such unimagined attack in their jurisdiction. Many officials also felt they were not being provided sufficient information from the federal intelligence community to protect their communities¹ and that some information was being withheld (it has not been demonstrated that this information actually exists).² However, with the recent influx of fusion centers has come a wide range of applications and expectations, and more than a little dissatisfaction, with the outcome of the fusion center efforts.

This thesis will not measure the effectiveness of the fusion centers, but will attempt to identify what local value they can provide to state and local jurisdictions and how that value may be increased. As the centers are relatively new, there are very few performance measures or metrics upon which to measure them. This thesis will simply accept the fact that they exist and that a significant amount of resources in time, money and personnel have been expended to stand them up. The intent of this thesis is to examine how the fusion centers operate and to try to identify whether there are some practices that could optimize their value at the state and local level, which will perhaps enhance their future value.

This research will focus on fusion centers, particularly the expectation of state and local fusion centers and their role. How will fusion centers add to the national effort to

¹ Normal Beasley, Testimony before the U.S. Maricopa County (Arizona) Sheriff's Office Before the U.S. House of Representatives House Committee on Homeland Security Subcommittee on Intelligence, Information Sharing and Terrorism Risk Assessment: "The Way Forward with Fusion Centers: Challenges and Strategies for Change," September 27, 2007, 6., <https://www.hsdl.org/homesec/docs/testimony/nps33-092707-04.pdf&code=7035620d98ed78e74b136023c2dd3c1b>, last accessed November 12, 2007.

² Todd Masse, Siobhan O'Neill, and John Rollins, *CRS report for Congress, Fusion Centers: issues and options for Congress*, July 6, 2007, order code RL 34070, 28. The report states numerous officials complained about not getting the "right" information the report footnotes identify this is a possible perception issue on the limits of national intelligence.

protect the homeland and at the same time provide a benefit to their local communities? Is replicating the federal model the best course of action for state and local fusion centers, or is there an alternative? This effort will seek to determine what role the state and local fusion centers should be concerned with, and how they might add local value to the process.

With the ever-increasing prevalence of fusion centers, it will be important to determine how those fusion centers will be used and how they will collect the information that they will fuse, or analyze, and turn into an intelligence product. There are several questions before fusion centers such as: Who are your customers, what is your product, and how do you collect and analyze your data? Another central issue before the fusion centers is how they get information from emergency responders and actionable intelligence back to them. There are many references to utilizing emergency responders as intelligence gatherers. What is missing, however, are direct citations or models as to how these emergency responders are utilized to collect information and relay that information to the fusion center.

There are also frequent references to community-oriented policing and, to a lesser extent, to Terrorism Liaison Officers (TLO). Again, the proponents are conspicuously vague as to how to enact or implement a program that will successfully engage emergency responders. Nor are there any widely distributed reported successes by community-oriented policing efforts in interdicting foreign or domestic terrorism. Admittedly, some successes may go unreported or undiscovered.

A further problem with the regional fusion centers and information collection is that there is, more often than not, insufficient purely “terrorist” activity to support a multi-jurisdictional and multi-governmental level fusion center that exclusively processes terrorist activity. If a fusion center (outside of perhaps NY, LA or DC) were to rely solely on terrorist data to process, I would argue the analysts’ skills would atrophy, as would their interest, from a lack of relevant work. Additionally, due to the paucity of strictly terrorist information, the emergency responder community would soon forget the how or why of reporting information to the fusion center, regardless of any marketing or promotional campaigns to garner interest and participation. Fusion centers must consider

analyzing or processing other criminal activity, in addition to terrorist activity, in order to maintain the skills and interest of the analysts, as well as the participation and data collection of the emergency responder community.

The Sacramento Regional Terrorism Threat Assessment Center (RTTAC) has responsibility for thirty-four counties in California and has trained hundreds of TLO officers in its TLO program. At the time this project was started, early 2007, the RTTAC had received very limited information, leads, or tips from the TLO officers, and even less from the emergency responder community as a whole (one year later, the tips and leads have increased, due to an aggressive TLO campaign, but are still far short of what is hoped for).³ That lack of anticipated response begs the question of “why?” Are other agencies having the same lack of response? It is my suspicion that many fusion centers have the same problem as Sacramento in collecting information from not only the law enforcement rank and file, but from the other emergency responder disciplines as well.

B. RESEARCH QUESTION

Fusion centers are getting a lot of attention right now, and deservedly so, as a step in the right direction for information and intelligence integration between federal, state, and local agencies. However, they may be missing out on an opportunity to capitalize on a largely untapped data source by failing to aggressively engage emergency and front-line responders to collect and forward potentially helpful information. Information that would be particularly useful in detecting and deterring domestically generated terrorist plots.

The research questions I will be asking are:

- 1) What is the mission of the state and local fusion centers? Do they have a national value? Do they have a local value?
- 2) What can be done to improve the effectiveness of state and local fusion centers?

My research will address the following issues as well:

³ Lt. Tim Johnstone, Sacramento County Sheriff's Department, RTTAC Commander, personal communication, 2007.

1) How do we enhance our local data collection capabilities? Are we effectively getting intelligence/information from the emergency responders to the fusion centers?

2) Is it beneficial for the maximum effectiveness of fusion centers to have a conduit from regional front-line responders to the center itself? If so, how can we streamline the process to get usable information to the front-line responders, actionable intelligence to the law enforcement operations and how do we get the information from the front-line responders to the fusion center?

C. SPECIFIC RESEARCH OBJECTIVE

The specific research objective is to identify effective methods for fusion centers to operate so as to provide value to the national effort to protect the homeland and the local effort to protect their citizens; and, to determine how or if the use of locally collected information produced by or facilitated by emergency responders will materially assist in that effort.

D. SIGNIFICANCE OF RESEARCH

- Literature: the significance of this research will prove the viability of fusion centers by utilizing local information collection methods and producing localized, timely and relevant intelligence. Little has been written in this area and this thesis will add to the existing body of work.
- Future research efforts: future research efforts would include corroboration of thesis' findings and extensions of these concepts into other communities and professions. Future research efforts to measure the effectiveness of fusions centers should be done once they have had sufficient time to mature and performance metrics can be established. Additional future research efforts should be done after an assessment of any gaps or shortcomings associated with this thesis or conclusions that are later found to be not supported or require further review.

- Immediate consumer: immediate consumer for this thesis would be the Sacramento Regional Terrorism Threat Center, the Sacramento Regional Office of Homeland Security and the Sacramento Terrorism Liaison Officer program.
- HS practitioners: it is the anticipation and hope that any information or recommendations derived from this thesis would be useful not only to the Sacramento Regional Office of Homeland Security, but to any other regional organizations engaged in the collection and dissemination of information and intelligence in terrorist/criminal activities.

E. REVIEW OF RELEVANT LITERATURE

1. Fusion Centers

Fusion centers have begun to spread throughout the nation as an emergent response to a need for more local intelligence by regional responder communities. In response to this perceived need, state and local entities began to create their own fusion centers in an attempt to gain information that they felt that they were not getting from the federal government.

The United States Department of Justice and the Department of Homeland Security (DHS) have defined fusion centers as: "a collaborative effort of two or more agencies that provide resources, expertise, and/or information to the center with the goal of maximizing the ability to detect, prevent, investigate, apprehend, and respond to criminal and terrorist activity."⁴ The federal government recognized the potential benefit to not only the state and local entities, but to the federal government as well. It has facilitated the development of local and state fusion centers by providing funding, resource augmentation and technical support.

⁴ *Fusion Center Guidelines, Developing and Sharing Information and Intelligence In a New Era*, United States Department Justice, United States Department of Homeland Security, 2006, 12.

a. Funding

The federal government, through the DHS, has been very supportive of fusion centers and has provided a great deal of funding for this effort. Unfortunately, there are mixed reviews on the level of funding support, and the effectiveness of the funds being expended for the value of return or return on investment. In his keynote address to the 2007 National Fusion Center Conference, DHS Secretary Chertoff said that fusion center funding should not be seen as sustainment, “we are not signing up to fund fusion centers in perpetuity,” and that the centers will have to look to local support for continued funding. This will necessitate recognition by local officials of a local value for these centers to gain needed financial support.⁵

The need for funding to sustain the fusion centers is highlighted in the *National Criminal Intelligence Sharing Plan* (NCISP), which states, “Without adequate funding, many of the recommendations, including improved training and technical infrastructure, will not be implemented, and the country will remain at risk.” The same recommendation calls for a petition to Congress for financial support.⁶ The need for an identified and long-term funding is highlighted by the GAO report, *Homeland Security, Federal Efforts are Helping to Alleviate Some Challenges Encountered by State and Local Information Fusion Centers*. The report states that fifty-four of the fifty-eight fusion centers reported challenges in obtaining and maintaining funding. Grant administration restrictions on fusion centers, in addition to navigating the grant system, were cited as a problem. The report also called on the Information Sharing Environment plans to rely on a nationwide network of state and local fusion centers, but no long-term funding for such an undertaking has been identified. This lack of commitment is making it hard on local efforts to commit fully to the fusion center concept.⁷

⁵ Derived from transcript of Secretary Chertoff’s address, as referenced by the CRS report by Masse et al., *CRS report for Congress*, 44.

⁶ *The National Criminal Intelligence Sharing Plan*, U. S. Department of Justice, Bureau of Justice Assistance and Global Justice Information Sharing Initiative, October 2003, 11-12.

⁷ *Homeland Security, Federal Efforts are Helping to Alleviate Some Challenges Encountered by State and Local Information Fusion Centers*, United States Government Accountability Office, GAO-08-35, October 2007, 7-8.

In contrast, the joint publication by the Departments of Justice and Homeland Security report, *Fusion Center Guidelines, Developing and Sharing Information and Intelligence in a New Era* (FCG), specifically places responsibility on local centers' administration to seek out funding sources for long-term continuity.⁸

Matt Bettenhausen, Director of the California State Office of Homeland Security, identified the lack of sustained funding as the biggest obstacle to the continuing operation of state and local fusion centers. He argues that counterterrorism has always, first and foremost, been a federal obligation, and that the state and local fusion centers enhance that mission in a material way. His position is that sustained funding for fusion centers is a minor cost with a significant potential benefit.⁹

b. Resource Augmentation

The federal government resource augmentation for fusion centers has come primarily from two agencies, the FBI and the DHS. The FBI has provided support to the fusion center effort by co-locating staff in the fusion centers, facilitating the security clearance process and assisting in rent payments in joint occupancy fusion centers.¹⁰

As an example of the support and the growing importance of fusion centers, the DHS, in addition to providing direct support in the form of grant dollars, is committing to putting a DHS analyst in all state and local fusion centers.¹¹ Participation in the fusion center process assists local government policy makers and those responsible for the protection of the community with not only pertinent intelligence with a local application; it provides an opportunity to develop networks and relationships that will be critical in any future catastrophic event. This concept was a central theme in the *Improving Information* report from LEAP:

⁸ *Fusion Center Guidelines*, 63.

⁹ Matt Bettenhausen, Director, California Office of Homeland Security, Interview, January 3, 2008.

¹⁰ Masse et al., *CRS report for Congress*, 38.

¹¹ Charles Allen, DHS Director of Intelligence, Testimony before Senate Select Committee, September 7, 2006.

State, local, and tribal law enforcement participation in state and local fusion centers advances the cause of intelligence-led policing by involving officers in the intelligence process on a daily basis; helping them build relationships across every level and discipline of government and the private sector; and ensuring that law enforcement intelligence and other information is shared with their home communities.¹²

Fusion centers emerged almost spontaneously in response to a need by state and local law enforcement for useful and usable intelligence related to the evolving terrorist threat. This position was reinforced when Norman Beasley testified before the House of Representatives:

One of the chief complaints of state and local officials is the lack of actionable information from the National Intelligence Community. This is exactly why state/local fusion centers were implemented.¹³

c. Technical Support

The fusion centers started independently and spontaneously with little regard for standardization, intelligence collection and production methods, analytical production requirements, analytical staff training, roles and responsibilities, or a defined mission. Further, there is little integration or information sharing from one fusion center to another. The goals of the fusion centers, as stated in the CRS report summary, is that the various strains of information flowing into the fusion center need to be "translated into protective action."¹⁴

Historically, local law enforcement has had very little, if any, influence or role in the intelligence community. What little influence or participation the law enforcement community has had is in the form of the federal law enforcement community, principally, the Federal Bureau of Investigation. Absent that, there has been

¹²A Law Enforcement Assistance and Partnership Strategy, *Improving Information Sharing between the Intelligence Community and State, Local, and Tribal Law Enforcement*, 2, <http://epic.org/privacy/fusion/leap.pdf>, Last accessed February 29, 2008.

¹³ Beasley, Testimony before the U.S. Maricopa County (Arizona) Sheriff's Office.

¹⁴ Masse et al., *CRS report for Congress*, summary page.

very limited involvement by state or local law enforcement in the intelligence collection, analysis, or production for counterterrorist activity.

The staff that the FBI and DHS have assigned to the state and local fusion centers, in addition to being a resource augmentation, is a significant form of technical assistance. The FBI is also using its senior analysts to train the local analysts, and they are using their staff to provide assistance and guidance in the development of the fusion process at the centers.¹⁵ While conducting the research for this thesis, several people throughout the State of California and outside of California were interviewed, on and off the record. There was not one person who had any relevant association with fusion centers who was not wholly and completely pleased with the FBI's commitment to state and local fusion centers. No one felt excluded or anything less than a full partner. All four of the California FBI field offices have clearly embraced the "information sharing environment" and have been instrumental in assisting state and local fusion centers in their development. The DHS Intelligence and Analysis staff detailed to the fusion centers were also well regarded, although they are much newer to the centers and there are far fewer of them than the FBI resources.

The federal government has also produced several reports and documents to help guide the development and professionalism of the fusion centers. A sample of these reports include the National Criminal Intelligence Sharing Plan and the Fusion Center Guidelines, Developing and Sharing Information and Intelligence in a New Era.

The Department of Homeland Security is taking several steps to address the lack of standardization, uniformity, mission and training, in addition to providing on-site staff to assist in the development of the centers. The DHS has created seven different technical assistance programs that respond directly to these identified shortcomings and has addressed the issue in national conferences.¹⁶

¹⁵ Masse et al., *CRS report for Congress*, 38.

¹⁶ DHS Fusion Center Conference, Washington, DC, September 2007, and the LEAD ACT Conference Quantico, VA, August 2007; personal communication, Lt Tim Johnstone, September 27, 2007. See also Masse et al., *CRS report for Congress, Fusion Centers*: 41. Additionally DHS has funded a three-million-dollar grant to provide standardized training to fusion analysts, which was awarded to the Sacramento Region in 2007.

The FBI and DHS have also made available their classified databases to trained and qualified (cleared) personnel. In addition, both agencies have made efforts to increase the number of clearances to local and state personnel but are taking steps to improve the process. Even with the support that the federal government has given fusion centers there are issues or obstacles that remain before state and local fusion centers can be as productive and relevant as had been anticipated.

d. Fusion Process

The fusion process, as described by the Fusion Center Guidelines, Developing and Sharing Information and Intelligence in a New Era (FCG), is a six-stage process. The FCG based their to fusion process on the Homeland Security Advisory Council's (HSAC) Intelligence and Information Sharing Initiative: Homeland Security Intelligence and Information Fusion. The process in the FCG is described as:

- the first stage, management and governance, establishes the foundation of the fusion center
- the second stage, planning and requirements, establishes what type of information will be collected
- the third stage, collection, is the actual collection of information from a variety of sources
- the fourth stage, analysis, is where information is turned into actionable intelligence
- the fifth stage, dissemination, tasking and archiving, is where information is disseminated to stakeholders
- the sixth stage is reevaluation, where the fusion center and stakeholders ensure that what is being collected, analyzed and disseminated is factual, timely and relevant
- the seventh stage is modification where, if there are changes during the reevaluation, they are implemented here¹⁷

¹⁷ *Fusion Center Guidelines*, 20-21.

The intelligence cycle has a generally accepted process with a few modifications or variances from entity to entity. A generally accepted model is presented below from Mark Lowenthal's (Lowenthal is a recognized expert cited by the CRS) book *Intelligence from Secrets to Policy*.

This process is often accepted to consist of:

- requirements, which is an identification of need and priority, long term and immediate
- collection, which is the method, amount and source of information
- processing and exploitation, which is a process of rendering technical data into usable format
- analysis and production, which is the process of analysis and the creation of the written product
- dissemination and consumption, which is the distribution and assimilation of the product
- feedback, which is information from the policymakers concerning how effective the product fits their needs.¹⁸

These two processes are very similar but there are two subtle distinctions that potentially become issues. The first is the dissemination step in the Fusion Center Guidelines. In Lowenthal's book, he identifies this step as dissemination and *consumption*. It is not enough to get the product to the proper consumers, it must come in a form that will be used and assimilated. The second is what the Fusion Center Guidelines refer to as the reevaluation step, which is basically for accuracy and relevance; whereas, in Lowenthal's model, he identifies a feedback step, which is ostensibly analogous to the reevaluation step. However, the feedback step clearly articulates the need to have the *final consumer* provide input on the usefulness of the product.

¹⁸ Mark M. Lowenthal, *Intelligence, From Secrets to Policy*, Washington, DC: CQ Press, 2006, 54-67; this is a synopsis of the intelligence cycle as described in this work.

e. Administration

The Fusion Center Guideline number three recommends that each fusion center establish a governance board comprised of high-level officials from law enforcement, public safety and the private sector. One of the relevant issues for consideration is that a governance board should ensure “defining the management structure to include what entity oversees the centers, manages the operations, and coordinates daily activities.”¹⁹ There are no recommendations as to what that management structure should look like.

The literature is very weak or silent on the issue of who should lead fusion centers. The BJA guidelines state that fusion centers should have a governance board of some type but they do not get into the nuances of actual leadership. The NCISP states, in the first recommendation, that the agency chief executive officer and the manager of intelligence functions should define the management and supervision of the center. This concept is virtually covered in a bullet point.²⁰

f. Mission

The mission of each fusion center should be something directly related to the center’s intended goals. What will be as, or more, important as the mission, is how, or by what process, that mission is derived. The FCG list several issues for consideration such as: developing the mission statement in a collaborative process; identifying the center customers and their needs, and defining center priorities prior to drafting the mission statement; and, prioritize the intelligence function to address threats in the local jurisdictions.²¹

The California State Terrorism Threat Assessment System, comprised of the State Terrorist Threat Assessment Center (STTAC) and the four Regional Terrorist Threat Assessment Centers (RTTAC), collaborated on a concept of operations plan as a

¹⁹ *Fusion Center Guidelines*, 25.

²⁰ *The National Criminal Intelligence Sharing Plan*, U. S. Department of Justice, Bureau of Justice Assistance and Global Justice Information Sharing Initiative, October 2003, 10.

²¹ *Fusion Center Guidelines*, 23.

guiding principle for all five of the threat assessment centers, which also function as fusion centers. As part of that concept of operations, a mission statement and a vision statement is included. The mission statement is:

The mission of the state terrorism threat assessment system is to foster a collaborative effort to collect and analyze criminal information, employ cutting-edge analytical tools and methodologies to produce and share timely and actionable Homeland Security intelligence, thereby enhancing the safety of the citizens of California.²²

g. All Crime Vs Strictly Counterterrorism

The vast majority of fusion centers, however, have taken an all-crimes approach to fusion analysis within their jurisdictions (all crimes rarely means “all crimes,” but is usually meant to be certain organized crimes or major crimes such as narcotics, crimes of violence and gangs, or crimes that may be used to support terrorism efforts here or abroad such as financial crimes or fraud. Strictly counterterrorism is meant to be, for this thesis, crimes that are terrorist acts or those in which the association to terrorism is apparent at face value). The *CRS report for Congress, Fusion Centers: Issues and Options for Congress*, reported that less than 15 percent of current fusion centers operate with a solely counterterrorism posture. The report identified some of the reasons for this as a national trend, need for local and non-law enforcement buy-in, and the need for resources.²³ The same report also stated that “most police departments and public sector agencies are more concerned with issues such as gangs, narcotics, and street crime, which are more relevant to their communities.”²⁴

A GAO report published in October 2007 also reported the vast majority of fusion centers — forty-one of the forty-three that were contacted — stated that they operated as “broader than solely focusing on counterterrorism.” Twenty-two of the center officials stated they included criminal activity in their mission, and nineteen said

²² Strategic Business Plan Concept of Operations, California State Terrorism Threat Assessment System, nd, 3.

²³ Masse et al., *CRS report for Congress*, 21.

²⁴ Ibid.

they included an all-hazards focus in addition to counterterrorism. It was unclear whether the all-hazards fusion centers included a criminal perspective as well. The reasons cited for including the criminal mission were basically the position that there is a nexus between criminal conduct and terrorist behavior, and that one may uncover the other. A second reason cited was to gain more support and stakeholders such as law enforcement.²⁵

h. Strategic Vs Tactical Analysis

The fact that these terms need to be defined underscores a large problem with fusion centers and their mission. There is no commonly understood and universally accepted definition for the term *strategic analysis* or *tactical analysis*. As described by a career intelligence analyst, the absence of an accepted term is “part of the problem.” This analyst prefers the term “all source analyst” over “true” intelligence analyst when referring to strategic analysis as the term “true” can be unintentionally pejorative.²⁶ For the purposes of this thesis, strategic analysis is analysis of disparate data sources, identification of intelligence gaps, pro-active collection of intelligence, and predicative analysis of an act or occurrence with recommendations or sufficient substance to guide policy. The strategic analyst must rely on his or her expertise and thorough knowledge of their respective domain to fill knowledge gaps. Tactical analysis is research and analysis on events that have already occurred and are not predictive; it is predominantly investigative case support or an analytical assessment of a variety of data inputs.

David Carter, in his book *Law Enforcement Intelligence: a Guide for State, Local, and Tribal Law Enforcement Agencies*, offers a definition for strategic and tactical law enforcement intelligence. He describes *strategic* as having a planning and resource allocation function that provides information to decision makers about the changing nature of threats and the characteristics and methodologies of threats for the

²⁵ Homeland Security, “Federal Efforts are Helping to Alleviate Some Challenges Encountered by State and Local Information Fusion Centers,” United States Government Accountability Office, GAO-08-35, October 2007, 18-19.

²⁶ Personal communication, with a confidential source who is a career intelligence analyst, February 22, 2008.

purpose of developing response strategies and resource allocation. *Tactical* intelligence is described as having a preventive function to gain information to apprehend offenders, harden targets, and use strategies that will eliminate or mitigate the threat.²⁷

Both the National Criminal Intelligence Sharing Plan and the Fusion Center Guidelines, *Developing and Sharing Information and Intelligence in a New Era*, skirt the distinction between tactical and strategic analysts and do not offer a definition of the two entities. The Fusion Center Guidelines make a recommendation that a center provide both tactical and strategic products. The Fusion Center Guidelines recommend that the center should have a strategic capability as well as a tactical capability and that intelligence functions should prioritize their efforts based on threats specific to the center's area of concern.²⁸

The majority of fusion centers operate exclusively in an analytical capacity rather than as having any response or operational capacity. Those few fusion centers that do have a response capability were generally found to be fusion centers that were state-controlled, single entity, and largely staffed by law enforcement personnel. The scope of analysis that the fusion centers focus their efforts on has a great range of variability. Again, the majority of fusion centers that conducted their analysis for the purposes of prevention considered their responsibilities to be information sharing, assessments and analysis, and to facilitate preparedness efforts.

To accomplish this, fusion centers operate as “filtering stations” to pass along information, but some fusion centers add local information to enhance the product. Some fusion centers added analytic value while others provided case support to law enforcement agencies. None of the fusion centers appeared to be using all of the steps in the intelligence cycle²⁹

²⁷ David L. Carter, *Law Enforcement Intelligence: a Guide for State, Local, and Tribal Law Enforcement Agencies*, U.S. Department of Justice, Office of Community Oriented Policing, Cooperative Agreement #2003-CK-WX-0455, November 2004, 8.

²⁸ *Fusion Center Guidelines*, 57.

²⁹ Masse et al., *CRS report for Congress, Fusion Centers: 23-24*.

i. Analysts

The Fusion Center Guidelines, in guideline number eleven, recommend hiring staff that can perform both tactical and strategic analytical functions. Under “issues for consideration” of the same guideline, the report recommends that consideration be given to establishing a permanent, full-time civilian presence to provide continuity and consistency. The guideline also recommends requiring a minimum term commitment for full-time personnel and recommends that the center obtain the appropriate clearance requirements as needed for staff to do their job.³⁰

The NCISP stated that there is a need to develop standards of training, not only for the analysts and those assigned to the fusion center, but also for those who are associated with it. In fact, the NCISP recommended minimum training standards in its recommendation section. The NCISP has highlighted the need for the analytical function of the fusion centers to follow the intelligence cycle and, further, it calls for "appropriate training for all personnel assigned to or impacted by the intelligence process."³¹ The NCISP established a six-level intelligence training standard: level 1 is for law enforcement officers; level 2 is for law enforcement executives; level 3 is for intelligence commanders/supervisors; level 4 is for intelligence officers/collectors; level 5 is for intelligence analysts; and, level 6 is for train the trainer.

Level 5 training objectives, are in part: the intelligence process; handling of criminal intelligence information; critical thinking and inference development; collection and analytical plans; legal, privacy and ethical issues; research methods; and methodologies of analysis. The standard requires a minimum of forty hours of training that should be delivered in a classroom environment.³² The NCISP further supports the need for standardized training, calling for the IALEIA to develop minimum standards for analysts in recommendation number twelve.

³⁰ *Fusion Center Guidelines*, 51.

³¹ *The National Criminal Intelligence Sharing Plan*, 10.

³² *Ibid.*, 39.

j. Dissemination

Dissemination of any intelligence product is quite possibly the most critical piece of the process, but one that can easily be overlooked by assuming “it” will just happen. According to the NCISP, “dissemination is also a vital step in the process. Without disseminating intelligence developed it is pointless to collect it. The intelligence disseminated must be timely and credible to be useful.”³³ It was further recommended, as part of recommendation number one, that all fusion centers “implement a method/system for dissemination of information to appropriate components/entities.”³⁴

The topic of dissemination has had several different authorities weigh in on the topic such as the following quote from *Intelligence-Led Policing: The New Intelligence Architecture*: “Information sharing must become a policy, not an informal practice. Most important, intelligence must be contingent on quality analysis of data.”³⁵ Probably the most authoritative citation comes from the *9/11 Commission Report*: “The biggest impediment to all-source analysis — to a greater likelihood of connecting the dots — is the human or systemic resistance to sharing information.”³⁶

Dissemination of information and intelligence product is not only an extremely necessary part of the intelligence process, it is also one that is not without controversy. One area of potential conflict is the level at which different emergency responder groups should receive information. One of the few resources to address this directly is the Fusion Center Guidelines released in August of 2006, which states that, even though fusion centers will have many different partners, not all partners need nor should receive dissemination of information and intelligence at the same level, stating “each discipline will not need the same level of detail.”³⁷

³³ *The National Criminal Intelligence Sharing Plan*, 7.

³⁴ *Ibid.*, 10-11.

³⁵ U.S. Department of Justice, *Intelligence-Led Policing: The New Intelligence Architecture*. U.S. DOJ website, www.ojp.usdoj.gov, September 2005, viii.

³⁶ *The 9/11 Commission Report: Final Report of the National Commission of Terrorist Attacks Upon the United States*, 416.

³⁷ *Fusion Center Guidelines*, 14.

2. Data Collection

A great deal of support, politically and financially, has been directed toward the fusion center concept; it is not only prudent but an obligation to make every effort to maximize our opportunities for success. The tremendous expenditure, in both money and resources that have been put into fusion centers, begs the question: How do we maximize the value of fusion centers? Many have made the proposition that law enforcement and the emergency responder community as a whole can make a significant contribution to protecting the homeland by becoming a source for information collection.

It has been widely held and acknowledged that America's emergency responders have a great capacity for interacting with the public they serve — much more intimately than their federal counterparts. What has been less well understood, until recently, is their potential for contribution to the counterterrorism effort. This point is concisely illustrated in the Markle report:

Most of the real frontlines of homeland security are outside of Washington D.C. Likely terrorists are often encountered, and the targets they might attack are protected, by local officials — a cop hearing a complaint from a landlord, an airport official who hears about a plane some pilot trainee left on the runway, an FBI agent puzzled by an odd flight school student in Arizona, or an emergency room resident trying to treat patients stricken by an unusual illness.³⁸

Maximizing our opportunity for a successful interdiction of a terrorist plot may well lie in making better use of the large number of emergency responders with close ties and information links to their communities. Brian Jenkins made the point in his seminal work, *Unconquerable Nation*.

Clearly, we need to enhance the intelligence capabilities of local police, not just those of the FBI. The more than 600,000 sworn police officers in the United States are in the best position to monitor potential homegrown terrorists. An entire terrorist plot may proceed under the radar of national

³⁸ Markle Foundation Task Force, "Protecting America's Freedom in The Information Age: A Report of the Markle Foundation Task Force" (New York, New York, October 2002), 10.

intelligence services. Therefore, it is necessary to enhance domestic intelligence collection and analysis capabilities.³⁹

Equally important to the sheer numbers of emergency responders is the knowledge of the “beat” or area they work and their developed ability to see the abnormal. Jenkins reflects on this idea as well:

They know their territory. Recruited locally, they are likely to be ethnically closer to the communities they serve, they are more aware of local changes, and they are more acceptable to local community leaders. Unlike federal agents, local police do not rotate to another city every few years. They are in the best position to identify “hot spots” for terrorist recruiting, talk to local merchants and community leaders, and develop local sources of intelligence. As we have seen in many cases, local police, through routine criminal investigations, community policing, or dedicated intelligence efforts, may be the first to pick up leads to terrorist plots.⁴⁰

A great deal has been written about fusion centers and the need to involve our emergency responder community, particularly law enforcement. Much less has been written about how we are actually going to engage this community of responders. The CRS report on Homeland Security Intelligence reinforces this point when it states that the need for equal information sharing is critical between federal and local partners but:

Yet such an approach also implies a level of information sharing between federal, state, local, tribal, and private sector information collection entities that does not appear to exist currently.⁴¹

The value of information coming from the emergency responder (ER) community, or as would be identified by the CRS report — nontraditional source data — is illustrated by the fact that the CRS report lists as one of the four fusion center value propositions:

³⁹ Brian Jenkins, *An Unconquerable Nation* (Santa Monica, CA: RAND Corporation, 2006). 164.

⁴⁰ *Ibid.*, 166.

⁴¹ See National Governor’s Association, Center for Best Practices, *2006 State Homeland Security Directors Survey*, April 3, 2006, as reported in Masse et al., CRS Report for Congress, “HLS Intelligence: Perceptions, Statutory Definitions, and Approaches,” August 18, 2006, 17-18.

State, local and tribal law enforcement and public-sector agencies are in a unique position to make observations and collect information that may be central to the type of threat assessment referenced above [comprehensive threat picture].⁴²

However, as important as getting information from the local ER community, or the nontraditional source data, to the fusion center has been identified, it remains an elusive objective at many locations, and in any substantial way. This is supported by the CRS report "moreover, the development of a process for gathering information according to clearly defined information requirements and fusion centers remains nascent."⁴³

One method of field data collection that is being used with some degree of positive results is the Terrorism Liaison Officer (TLO) program. There has not, as yet, been very much scholarly research conducted on TLOs; however, the program will be reported on later in this thesis.

a. Community-Oriented Policing (COP)

COP has evolved over the past twenty years and has many different definitions and applications. The COP and Problem Solving division of the California Attorney General's Office defines COP as: "philosophy, management style, and organizational design that promotes proactive problem-solving and police-community partnerships to address the causes of crime and fear as well as other community issues."⁴⁴ This philosophy, as espoused by the Attorney General's office, places great emphasis on problem-solving and community partnerships with the philosophy of the supportive law enforcement management.

Scheider and Chapman offer an efficient definition of COP:

There is no one commonly recognized definition of community policing. Here we offer one possible definition that we will then apply to preventing and responding to terrorist events. Community policing can be defined as

⁴² Masse et al., *CRS report for Congress*, 4.

⁴³ *Ibid.*, 5.

⁴⁴ *Community Oriented Policing and Problem Solving, Definitions and Principles*, California Attorney General's office, 1999, 3.

a philosophy that, through the delivery of police services, focuses on crime and social disorder; the philosophy includes aspects of traditional law enforcement as well as prevention, problem-solving tactics, and partnerships.⁴⁵

Scheider and Chapman also make a concise and accurate assessment of the COP philosophy, which they describe as having three interrelated elements of: "organizational change, problem-solving, and external partnerships."⁴⁶ A new organizational structure will help the rank-and-file officers if it allows them the freedom to take self-initiated activity and act on their observations of potentially suspicious behavior. Acting on the officers' developed powers of observation for what is "not right," enhanced with awareness level training, will ultimately lead to increased investigative tips and leads. Problem solving, which was the forerunner of COP and a cornerstone of the tactical effectiveness of COP, has helped both line-level officer and detectives to think more analytically, with an end toward finding a solution to a problem, rather than making a short-term fix with an arrest.

While problem solving yielded the greatest tactical benefits, forming external relationships forged huge inroads in establishing links with the community. The public relations capital and support for law enforcement was unprecedented. How do we trade on the community capital of good will created by COP, and how do we make that work in the collection of information useful to counter terrorist action?

What is the role of community-oriented policing in homeland security and the prevention of domestic terrorism? Docobo presented this question in his article *Community Policing as the Primary Process and Strategy for Homeland Security at the Local Law Enforcement Level* by stating: "while some have suggested that community policing fit into the overall national strategy for homeland security, little research specifically identifies community policing strategies and their direct application to the

⁴⁵ Matthew C. Scheider, and Robert Chapman, "Community Policing and Terrorism," retrieved from <http://www.homelandsecurity.org/journal/articles/Scheider-Chapman.html>, April 2003, last retrieved September 27, 2007, 2.

⁴⁶ *Ibid.*, 1.

national strategy for homeland security."⁴⁷ Many are fond of saying that COP is a valuable tool in counterterrorism but few have made the case.

b. Hypothesis

If no action is taken to assist fusion centers in producing locally relevant intelligence products, they will eventually lose support from the local law enforcement community, which will ultimately negatively affect the value of their product. This will, in turn, create even more funding challenges to continue federal support for the fusion centers. If the intelligence product produced by the local fusion centers is not locally actionable, the fusion centers will be relegated to being little more than local mouthpieces for generic, federally produced trends.

It is anticipated that this would create a loss of support from the sponsoring agencies, of which the majority are state and local law enforcement agencies. If the fusion centers prove themselves to be less than full and valued members of the intelligence community, the partnerships established in the fusion centers will likely break apart, unwilling to expend valuable resources with little return. The multi-agency and multi-levels of governments that are currently participating will re-allocate their resources, relegating the host agency to a crime analysis center rather than an intelligence fusion center. This distinction would render their counterterrorist potential moot, particularly if the FBI were to disengage.

c. Methodology and Resources

The methodology for this thesis is a program of evaluation, utilizing a formative approach to review, evaluate, and suggest improvements for fusion centers and TLO programs in general and the Sacramento region in particular. The questions were: what are the strengths and weaknesses of fusion centers, particularly those associated

⁴⁷ Jose Docobo, "Community Policing as the Primary Prevention Strategy for Homeland Security at the Local Law Enforcement Level," *Homeland Security Affairs* 1, no. 1, summer 2005, 3.

with the California State Terrorism Threat Assessment System, as well as other existing programs and, just as importantly, what can be done to improve those programs? My methodology will be as outlined below.

Much of the analysis portion of this thesis will focus on the California State Terrorism Threat Assessment System, which consists of the State Terrorism Threat Assessment Center (STTAC) and the four regional terrorism threat assessment centers (RTTAC). The four RTTACs are the Northern California RTTAC located in the San Francisco Bay Area, the Sacramento RTTAC, the Los Angeles RTTAC and the San Diego RTTAC. The four RTTACs are geographically aligned with the FBI field offices and, consequently, the U.S. Attorney's office.

d. Literature Review

The first step of the methodology for this thesis will be to continue the literature review. Specifically, the research will continue to investigate, in greater depth and on a broader range, what variety of intelligence collection methods are being used by what agencies, and in what capacity and with what degree of success. Further, review will focus on fusion centers and their local or regional operational procedures as well as their intelligence production, examining the end product and its regional application, and the relevant usefulness of this information to the local emergency responder community and administrators. The research will cover anything relating to fusion centers and local information/intelligence gathering, particularly as it relates to any terrorism nexus.

e. Survey

Surveys are the second component of the methodology and will be conducted in conjunction with the interview and observation portion of my research. I have surveyed the STTAC and all four RTTACs. Commanders of the respective centers completed the surveys. Questions raised and answered in the survey are:

- 1) Who are your consumers?
- 2) What is the primary function of each fusion center? Should they be all crimes or purely counterterrorist?

- 3) Is their mission tactical or strategic?
- 4) By what methods do they receive taskings and from whom?
- 5) How do they disseminate information and to what purpose?
- 6) How do the fusion centers collect information from their emergency responder community and are those processes satisfactory?

In some cases, respondents did not answer one or more of the survey questions. This seemed to occur with greater frequency later in the survey, it is unknown if this was survey fatigue or if it had to do with the individual question. No particular fusion center had a pattern of skipping questions. Eight questions had one skip, one question had two skips and one question had three skips. A total of twenty-eight questions were asked. The survey was conducted via SurveyMonkey with the four RTTACs and the STTAC (herein after referred to as survey).

The respondents were advised that their individual responses would be kept confidential unless they specifically indicated the responses could be attributed. This was done to encourage as complete a disclosure as possible. A copy of the survey is attached in Attachment A.

f. Interviews

The interviews included the director of the California State Office of Homeland Security, five RTTAC commanders (two from LA), TLO coordinators from the RTTACs, and a variety of law enforcement administrators. The objective was to determine their expectations of the fusion centers and tasking, as well as their understanding of the current system and their expectations. Interviews were also conducted with educators in the field and practicing analysts. The interviews were qualitative and unstructured, following basic thematic lines; each respondent represented a different area of expertise.

II. SURVEY RESULTS

Fusion center managers work in a classified environment where few others have access. They know what information is available from the federal classified databases, open sources, classified human intelligence, and local information sources. The fusion center managers also know what cases are being investigated, and what type and quality of information is needed to fill their threat assessment gaps — as well as assist their investigative capacity. For this reason, the respective RTTAC commanders, or co-managers, were chosen as the survey respondents. In the case of the STTAC, the respondent was a designee. All respondents identified their organizations as fusion centers.

The survey revealed that most fusion center respondents believe that law enforcement and investigators are their primary customers, but that they will provide strategic assessment to policy makers as need. The majority also has an all-crimes perspective and felt that to do otherwise would minimize their value to their customer base. They also felt that the emergency responder community had valuable information to share and that, in fact, the largest source of local data that they relied on came from law enforcement and TLOs. The fusion centers also reported that they had developed appropriate reporting mechanisms, but that the emergency responders were not reporting up to expectations. Community-oriented policing contributed very little to the counterterrorism effort.

All of the fusion centers had a TLO program with both fire and law enforcement. Law TLOs provided more tips and information collection, while fire TLOs provided more administrative support and line-level education.

A. SURVEY RESPONSES

1. Who are Your Consumers?

In response to the question, “who are the primary consumers of your product,” the survey overwhelmingly identified investigators and law-enforcement as their primary customer. Fifty percent of those responding to this survey question identified law-

enforcement and investigators as “always” the primary consumer of their product. Whereas 75 percent of the respondents indicated that policymakers were “often” consumers of their product. Non-law-enforcement emergency responders had a range of responses, from 25 percent saying that they were “seldom” consumers of their product, to 50 percent identifying the non-law enforcement responder community as “often” a consumer, and 25 percent identifying them as consumers “most of the time” (one respondent skipped this question). Two-thirds of the respondents identified elected officials as “seldom” a consumer of their product (two respondents skipped this portion of the question).

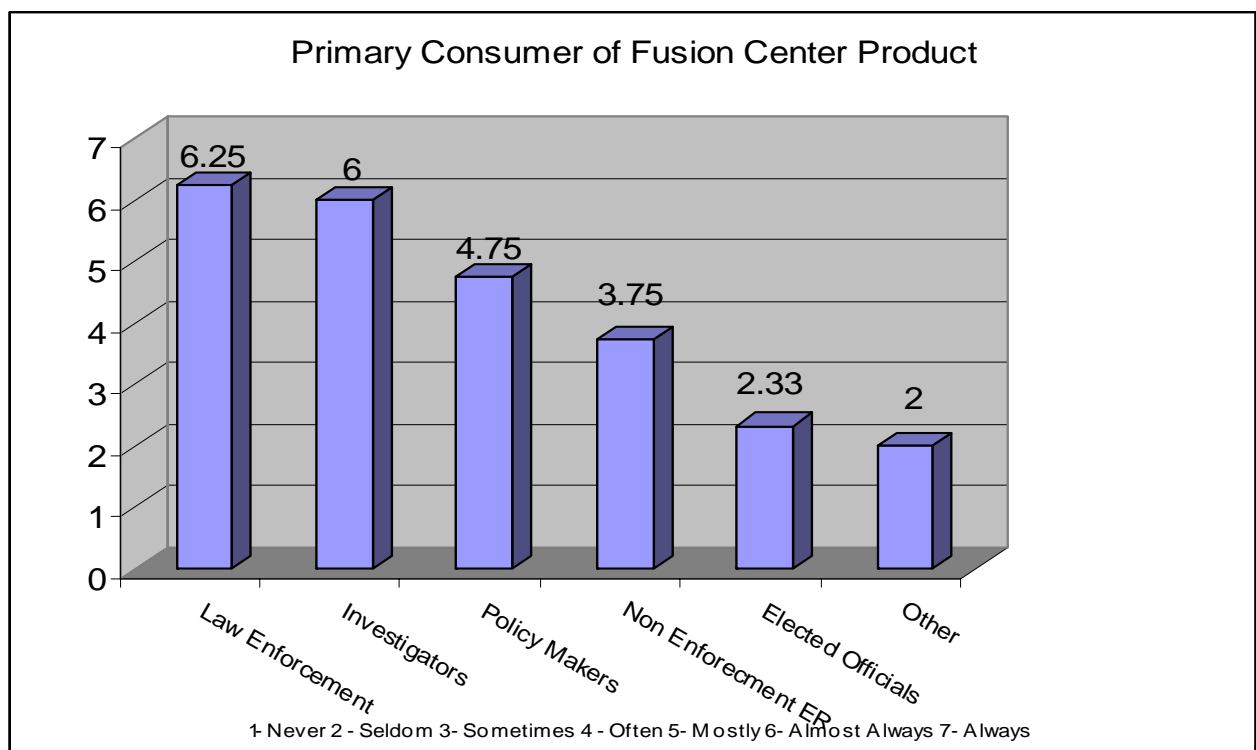


Figure 1. Fusion product consumers.(From STTAC/RTTAC Survey)

2. What is the primary function of each fusion center? Should they be all crimes or purely counterterrorist?

The survey indicates that the majority of the centers, 60 percent, engage in an all crimes perspective for fusion center operations. One of the exclusively counter terrorist perspectives was Los Angeles (noted with permission), which investigates and analyzes counterterrorist activity but also considers criminal activity with a terrorist nexus such as

financial crimes (they maintain connectivity via the TLO program with officers in the various investigative units). For the fusion centers that have an all crimes perspective, 75 percent of the respondents identified financial crimes and gangs as crimes that they conduct analysis on. Narcotics, crimes of violence, and counterfeiting (other than money) were all identified 50 percent of the time as crimes that the fusion centers worked. One respondent skipped this question.

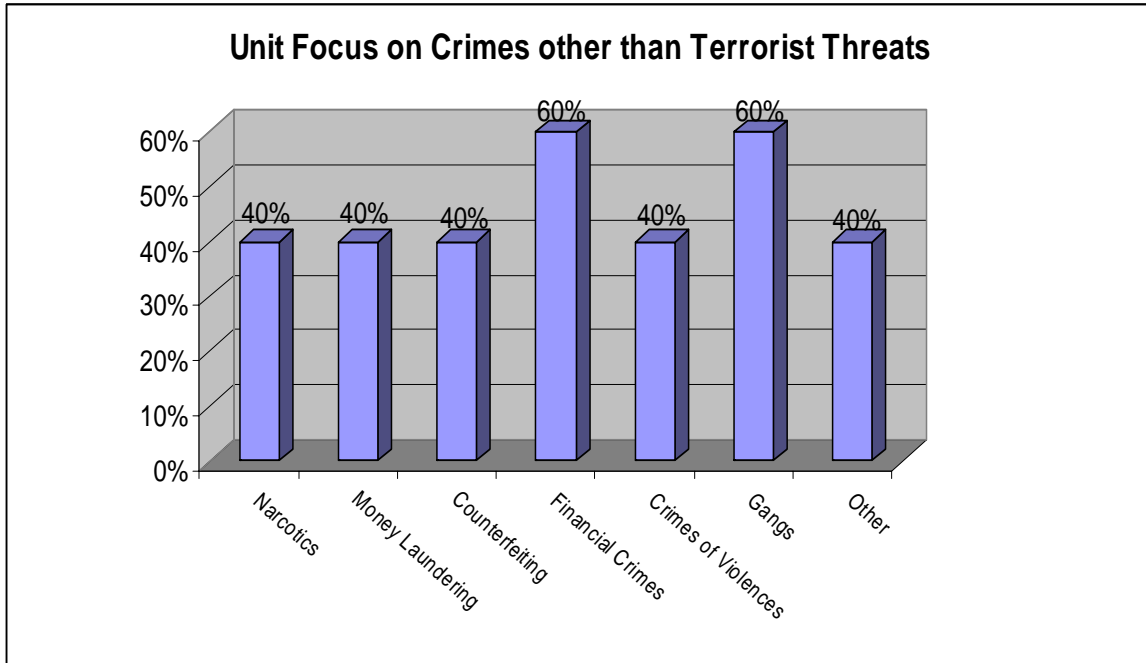


Figure 2. Criminal focus of all crimes fusion centers. From STTAC/RTTAC survey

For the all crime fusion centers, only 50 percent had a policy that guided the decision on what crime or case would be analyzed. The remaining centers relied on the supervisor, director or analysts to make the decision. The response to the question (which provided for a narrative response) of whether there was sufficient purely counterterrorist activity to consistently support a fully staffed fusion center was mixed. Two responded yes, one responded no, the fourth replied that fusion centers should be all crimes, and one skipped the question.

The survey data also suggests that useable intelligence product would be lost if their center were to focus exclusively on counterterrorist activity. Fifty percent of the reporting fusion centers stated that “usually” or “almost always” would there be a loss of intelligence data. Fifty percent also felt that value to consumers would “usually” or “almost always” be reduced and 25 percent felt that “sometimes” the value to consumer would be reduced.

3. Is their mission tactical or strategic?

The data from the survey indicates that 60 percent of the fusion centers had both a strategic and a tactical capability with two respondents skipping the question. This finding was supported by the interviews from the commanders of the four RTTACs. The Bay Area RTTAC and the Sacramento RTTAC primarily do investigative tactical case support, but they do some strategic analysis on request or when they deem such a need exists. The LA RTTAC does some investigative case support but primarily provides strategic analysis. While the San Diego RTTAC does purely strategic support.

4. By what methods do they receive taskings and from whom?

This question was posed requiring a narrative response of which four of the five centers responded. None of the respondents cited a policy guiding tasking requirements, but all of them were receptive to external taskings. One response indicated any ranking member of the department could initiate a tasking, another stated any of the main stakeholders could do so. The two remaining centers stated that either local or federal agencies could initiate a request.

The survey data also found that 100 percent of the fusion centers felt they could “task” the emergency responder community with requests for information in the form of information bulletins advising the ER community to be alert for whatever specific information was needed.

5. How do they disseminate information and to what purpose?

Two of the five fusion centers disseminate between 25 and 50 percent of their product at the Law Enforcement Sensitive (LES) level and a third fusion center disseminated 50 to 75 percent of its product at the LES level. The remaining two fusion centers disseminated between 10 and 25 percent of their product at the LES level. All five of the fusion centers disseminated less than 10 percent of their product at the secret or top secret level. The survey also revealed that three of the five fusion centers disseminate between 25 and 50 percent of their product at the FOUO level and the remaining two fusion centers disseminate between 50 and 75 percent of their product at the FOUO level.

The survey indicated that FOUO information was disseminated 40 percent of the time by e-mail and 60 percent of the time by a secure electronic communication. LES information was disseminated in the same manner. Secret and top secret intelligence was disseminated 80 percent of the time in person and 20 percent the time by “other.” Sixty percent of the fusion centers had an internal method to disseminate intelligence to field or line level emergency responders and 60 percent relied on liaisons between the fusion center and the line personnel to disseminate intelligence. One center had both methods of dissemination.

6 How do the fusion centers collect information from their emergency responder community and are those processes satisfactory? Also, what are their collection methods and the scope of their collection process?

The results from the survey show that four out of five of the fusion centers receive between 25 and 50 percent of their source data from local agencies, which was the single largest source for data that analysts use at the state and local fusion centers. The survey also showed that two of the five fusion centers received less than 10 percent of their source data from the federal government and four out of five fusion centers said that they received less than 10 percent of their source data from the state government. This survey clearly indicates not only the value, but the usefulness of local data as a source of analysis for state and local fusion centers.

Of the local data sources two of the five fusion centers identified law enforcement as providing between 50 and 75 percent of their data with a third reporting law enforcement as the source of between 75 and 100 percent of the source data. Terrorism Liaison Officers (TLO) were the source of 50 to 75 percent of local data for two fusion centers and between 75 and 100 percent for two more. Sixty percent of the fusion centers reported receiving less than 10 percent of their local data from fire personnel, and two fusion centers reported receiving between 10 and 25 percent of their data from the fire service. All five fusion centers reported receiving less than 10 percent (this was the lowest rating on the scale) of their local source data from each of the categories of: public health, emergency medical services, and public works.

The survey also reported that 80 percent of the fusion centers felt that the emergency responder community is not being appropriately utilized as a data source. There was a wide range of variability in response to the question: Do you think that, as a source, the line level emergency responder community has access to potentially valuable information. The response was: one fusion center reported “sometimes,” a second reported, “often” a third reported “usually,” a fourth reported “almost always” and the fifth reported “always.” This range may represent a philosophical approach to the unused potential of the ER community or it may reflect how much each of the fusion centers uses the ER community in their sphere of influence. There are many other potential explanations for the variance but the data is insufficient to be able to try to interpret the variance in response. Nonetheless, 80 percent of the fusion centers felt that the emergency responder community had access to potentially valuable information between “often” and “always.” This is clearly a sufficient intelligence potential in the emergency responder community for the fusion centers to attempt to acquire this information.

The surveys point to a perceived lack of situational awareness by the ER community as a problem. Although the managers of the fusion centers felt that, by and large, the emergency responder community had access to potentially valuable information only one of the fusion centers reported that the ER community “usually” knew what to look for. Two of the fusion centers felt that the ER community “often” knew what to look for and another two others felt that the ER community only

“sometimes” knew what to look for. Three of the five fusion centers felt that they “usually” had appropriate reporting mechanisms for the emergency responder community to report suspected terrorist activity. The remaining two fusion centers reported that they thought the emergency responder community “sometimes” and “often” had appropriate reporting mechanisms. Sixty percent of the fusion centers thought the reporting mechanisms were either “almost always” or “always” available and user friendly and yet 60 percent of the fusion centers felt that the emergency responder community was only “sometimes “ taking advantage of reporting opportunities. This data seems to suggest that, according to the respondents, the emergency responder community generally has access to useful information, has appropriate reporting mechanisms that are available and user friendly; and, yet are not reporting information as might be expected.

A frequently cited source of potential data is community oriented policing (COP). The survey results state quite convincingly that this is currently not the case. Three of the five fusion centers reported that they get less than 5 percent of their tips or leads from COP. The fourth fusion center reported receiving 5 to 10 percent of their tips or leads from COP. Three of four respondents reported COP as an under utilized resource with one center skipping the question.

One hundred percent of the fusion centers felt it was important to acknowledge the emergency responders that provide tips or leads. Two of the centers did so by phone with two more doing so by e mail. One center made the acknowledgement in person. None of the centers had an automatic acknowledgement system and all made the effort on an individual basis to respond to the tip.

Results from the survey showed that all of the fusion centers have a TLO liaison with law enforcement and fire; and, 80 percent had a liaison with emergency medical services as well as public health. Only 20 percent of the fusion centers had a liaison with public works. The role the TLO varies according to which discipline and emergency responder community that the TLO is interacting with. In the law-enforcement discipline all five fusion centers reported the role of the TLO was to collect information and to facilitate the program. Three out of five fusion centers reported educating line personnel

was an additional role for law enforcement TLOs. Two of the five fusion centers reported educating administrators and investigating tips was also a role for law enforcement TLOs.

Law enforcement and fire reported to have the biggest roles in the TLO program. The biggest difference being that fire TLOs provided more administrative support and law enforcement TLOs were reported to have more of a role in collecting information and providing tips.

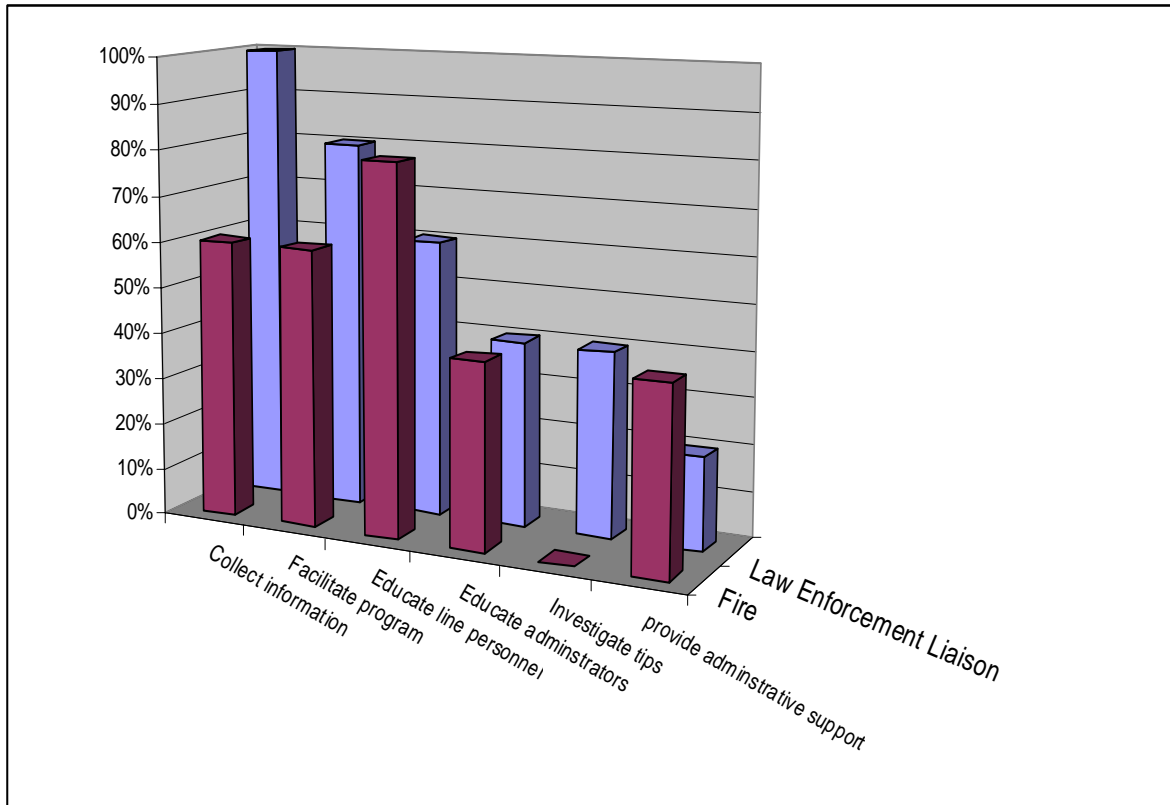


Figure 3. Role of the TLOs. (From STTAC/RTTAC survey)

B. SACRAMENTO JOINT POWERS AUTHORITY (JPA) SURVEY

Comparisons between fusion centers are difficult because there are no standardized definitions for the types of analysts and what their product is or should be. Sacramento received a grant from the DHS to provide fusion analyst training on a

nationwide scale. As part of developing curriculum, the Sacramento Joint Powers Authority, responsible for the program, conducted an informal phone survey of fusion centers across the country. Thirty six fusion centers were identified as operational; of the thirty six, twenty-one agreed to participate in the interview. The interviews were conducted by phone and the respondents' answers were recorded by staff.

One of the questions on the phone survey was: How are your fusion center analysts different from crime analysts? Of the twenty-one responses, five stated there was little or no difference, twelve described their analysts function as tactical, because they also conducted counter terrorism support. Only four gave responses that may indicate that strategic analysis was being conducted. Another question was: What percentage of your analysts' time is spent on terrorist threat analysis? Eleven fusion centers responded low or very low with given percentages ranging from 10 to 30 percent. Some respondents did not give an approximate percentage and identified the level of threat assessment activity as minimal or very low. Five fusion centers gave a mid-range level of time spent on threat assessments, rating themselves as being between 50 and 70 percent. Four fusion centers rated their percentage of terrorist threat assessment as high or very high, between 80 and 100 percent.⁴⁸

In the informal survey conducted by the Sacramento Joint Powers Authority, the twenty-one fusion centers that responded to the survey identified analytical skills and writing skills as the area where their analysts needed the most improvement. Eighteen of the twenty-one centers stated that their analysts had received some training in analytical thinking and analytical tools. Training identified as most needed included analytical skills, terrorism fundamentals, and report and analytical writing. Other identified training needs were: identifying reportable intelligence, intelligence methodologies, open source exploitation, anticipating law enforcement needs, advanced research skills, and analytic tools.⁴⁹

⁴⁸ Sacramento Joint Powers Authority, Fusion Center Intelligence Analyst Job Task Analysis and Training Needs Assessment, July 27–August 1, 2007.

⁴⁹ Sacramento Joint Powers Authority.

C. SUMMARY OF THE CALIFORNIA FUSION CENTERS SURVEY

- Law enforcement and investigators are the primary customers of fusion centers as identified by fusion center commanders
- Policy makers are secondary customers of fusion centers
- A modest majority of the fusion centers have an all crime perspective
- Of the fusion centers that do have an all crime orientation the crimes most often targeted are financial crime and gang activity
- Half of the reporting fusion centers stated their value to consumers would be diminished if they did not include an all crime perspective
- Most of the fusion centers (60 percent) have a strategic and a tactical capability
- The fusion centers are receptive to taking tasking requests from almost anyone in authority
- A significant amount of intelligence product is disseminated at the LES level
- The majority of intelligence product is disseminated at the FOUO level
- Local agencies were the single largest source of data for the fusion centers
- Law enforcement and TLOs provided the majority of local source data
- The vast majority of the fusion centers felt that the emergency responder community was not being appropriately utilized as a data source
- Situational awareness seems to be lacking in the emergency responder community
- Community-oriented policing is largely ineffective in providing information to the fusion centers
- The vast majority of fusion centers felt COP was under-utilized as a potential data source

- All of the fusion centers have a TLO liaison with both law and fire
- Law TLOs provided more tips and information collection than did fire TLOs
- Fire TLOs provide more administrative support and line level education to their agency than law TLOs

D. SUMMARY OF THE SACRAMENTO JOINT POWERS AUTHORITY (JPA) SURVEY

- Of the twenty one responses on the national survey, only four gave responses that gave an indication of conducting strategic analysis in their fusion centers
- Half of the fusion centers spent little or very little of their time on terrorist threat analysis
- Almost 90 percent of the fusion center analysts had received some training in analytic thinking and analytic tools
- Training that the fusion centers identified as most needed was analytical skills, terrorism fundamentals, report and analytical writing

THIS PAGE INTENTIONALLY LEFT BLANK

III. ANALYSIS OF CURRENT PRACTICE FOR FUSION CENTERS

Prevention is the first of the four goals of the National Strategy for Homeland Security.⁵⁰ It can be argued that fusion centers provide an excellent opportunity to provide that prevention. This thesis will not attempt to justify or validate the effectiveness or usefulness of fusion centers. The performance measures and metrics for such an assessment are lacking and will be left to future studies. While this thesis will not measure the effectiveness of the fusion centers, it remains critically important that fusion centers are, or become, effective. This thesis accepts the fact that significant resources, both in money and personnel, have been dedicated to fusion centers. This thesis will focus on what practices may provide the greatest value for the jurisdictions that support them and thereby improve their potential usefulness for future assessments.

Fusion centers evolved because of a perceived need at the local level. This need must be met if fusion centers are to become, or remain, viable. In testimony before Congress, Norman Beasley, Counterterrorism Coordinator for Arizona, spoke in reference to fusion centers:

Their ultimate goal is to support their consumers with beneficial information. But, the consumers also have a critical role in the production of information and ultimately intelligence.⁵¹

The “consumers” Norm Beasley is referring to are the local policymakers and emergency responder community.

A. MANAGEMENT OF THE FUSION CENTER

For the fusion centers to run efficiently and effectively, they will need to have a clear mission, internal organization, a strategic purpose, and adequate resources to fulfill their duties. If fusion centers are to be effective and relevant at the local level, they need

⁵⁰ *National Strategy for Homeland Security*, Homeland Security Council, October 2007, 1.

⁵¹ Beasley, Testimony before the U.S. House of Representatives.

to meet the needs of the local ER community. To do this, they must produce timely, relevant, locally actionable intelligence that can be used either by local policymakers for situational awareness, resource deployment or protection efforts, or for investigation or preemption at a local level.

1. Mission

To meet the most basic of concepts for a fusion center, developing a mission statement, the center must identify who their customers are and what products they want. As stated in the Fusion Center Guidelines, guideline number two, fusion centers should develop a mission statement via a collaborative process.⁵² The guidelines also state that the governance board should define a management structure to include what entity will oversee the center's operations and daily activities. There is no recommendation on how that should be accomplished; instead, it is left up to the individual fusion centers to develop a system that works best for them.

The nature, role, staffing and mission of state and local fusion centers varies widely throughout the nation and even from center to center in California. Jerry Murphy, director of homeland security issues for the Police Executive Research Forum (PERF), is undertaking a national study of fusion centers for DHS. He notes that the goal of DHS is not to create cookie-cutter molds for fusion centers, but to respond to the local needs. Trying to figure out what is the best model — and what are the appropriate divisions of labor for local agencies in the investigation of the crime of terrorism — is a complex issue. Murphy makes the observation that the FBI clearly has the lead in any terrorist investigation; establishing the role of state and local government in the counterterrorism world will determine, to a large extent, what happens in a local fusion center. He believes the future of fusion centers may be a movement away from the true intelligence community interpretation for a fusion center to one that is more relevant locally. What is the payback for local law enforcement for their commitment of time and

⁵² *Fusion Center Guidelines*, 23.

resources?⁵³ The mission of any fusion center needs to identify its role and its customer, and to produce a product of value to be sustainable.

Norm Beasley describes the process of refining one's mission into written form as a critical step, delineating the roles and responsibilities of everyone associated with the fusion center. A written mission statement or a concept of operations lets your customers know who you are and what you do, as well as those who may be concerned about the abuse of civil rights. A written code of conduct and method of operations will provide guidance and protections. Having a documented operating procedure will help protect the organization from challenges of excess.⁵⁴

The STTAC and the four RTTACs collaborated on a concept of operations plan as a guiding principle for all five of the threat assessment centers that also function as fusion centers. As part of that concept of operations, a mission statement and a vision statement is included. The mission statement is:

The mission of the state terrorism threat assessment system is to foster a collaborative effort to collect and analyze criminal information, employ cutting-edge analytical tools and methodologies to produce and share timely and actionable Homeland Security intelligence, thereby enhancing the safety of the citizens of California.⁵⁵

For any fusion center to function in a coherent, let alone efficient, manner, it must have a mission that is a collaborative derivative of the governance board and the senior members of the fusion center. That mission will have to be more than a platitude on page two of some document that no one reads. The mission will have to be conveyed and

⁵³ Jerry Murphy, Police Executive Research Forum, Director of Homeland Security, Interview, December 17, 2007. 1.

⁵⁴ Beasley, Maricopa County Sheriff's Department, Counter Terrorist Coordinator, Former Arizona Department of Public Safety, Director of Arizona Counter Terrorism Information Center, (Ret.), the development of mission statements and concept of operations plans is one of the tasks that Mr. Beasley performs in his role as technical advisor for DHS, December 3, 2007.

⁵⁵ *Strategic Business Plan Concept of Operations*, California State Terrorism Threat Assessment System, nd, 3.

reinforced in deed and action. The question becomes whose mission statement gets adopted and to what purpose. To answer that question, one must identify “who” is the customer or customers of the fusion center.

a. Customer Identification

In the survey conducted with the four RTTACs and the STTAC, the fusion centers overwhelmingly identified investigators and law-enforcement as their primary customer. However, the question remains: Does this fit in with their mission statement? Congruence between mission statement, customer identification, and product output is critical to the usefulness and cohesion of a fusion center, and will promote sustainability. If the majority of the fusion center's customer base is law enforcement, what products are being produced for them to consume? If one considers law enforcement a primary customer, are there sub-customer groups within that category? One could logically argue that law enforcement administrators are customers, as well as rank-and-file law enforcement officers, and investigators could be a third set of customers within the law enforcement domain. Fusion centers have many other customers to consider besides law enforcement, such as policy makers, fire, EMS, etc.

A lack of organizational customer identification will often translate throughout the fusion center with the result that product delivery may be accurate but it may also be erratic and inconsistent. During a recent training seminar in Monterey, sponsored by the STTAC for the RTTAC and STTAC analysts, there was a definite lack of clarity amongst the analysts as to who their customers were. There was very little consensus of who was the customer and what the customer wanted in the way of a product. The analysts had received very little feedback that could guide their requirements. This lack of clarity, by the analysts who write the product, can only have a negative impact on the usefulness and assimilation of their written product.⁵⁶

This lack of customer identification, by a large segment of the analyst pool, supports the absolute need to identify, specifically, who the customer is for what

⁵⁶ Analyst Training Seminar, Monterey, California, Sponsored by the California State Terrorism Threat Assessment Center, January 23, 2008, personal observation.

intelligence product. It may well be that there can be multiple customers. For example, executives and elected officials may be customers for strategic threat assessments and situational awareness; JTTF task force members could be customers for terrorism investigative case support; and criminal investigators or law enforcement officers could be customers for major criminal case support.

In addition to identifying all of your customers, one must consider at what level they will consume. What level of detail or how much information is required for each customer? Do you have consumers that want to consume your product, do they consume it, or are they more interested in crime trends rather than emerging threats in the Middle East that may or may not arrive in their back yard?. In addition to identifying your customers, fusion centers need to identify what consumers want in a product, and balance that with other obligations of the fusion center.⁵⁷

Local fusion centers need to assume the responsibility to reach out to local administrators to find out precisely what information or intelligence products are desired. Norm Beasley makes the point that it is paramount to a fusion centers' success to discover that need and provide it. He also makes the point that the local administrators and consumers have an absolute responsibility to tell the fusion centers what they want and, just as importantly, what they do not want.⁵⁸ Will a local chief of police read a twenty-five-page brief on gangs?

The interviews generally seem to bear out the finding of the survey, which identified law enforcement and investigators as the primary customer of the fusion centers. In an interview with Roseville Fire Chief Ken Wagner, he stated that he felt that the fusion centers were primarily a law enforcement tool, but that they did have a definite capability for the fire department. He added that he relied on the fusion center to provide him with the information that he needed as an administrator for situational awareness. He also relied on his battalion chief, assigned to the Sacramento Regional Office of

⁵⁷ Phil Bodenhorn, Supervisor, Sacramento FBI Field Investigative Group, December 5, 1007.

⁵⁸ Beasley, interview.

Homeland Security, to relay information that was relevant to the firefighters for either their safety or as a tasking requirement in the form of a request for information.⁵⁹

Law enforcement administrators did feel that LE should be the primary focus, but noted that they would like to see more emphasis on major crimes and better situational awareness for administrators. Sacramento Chief of Police Rick Braziel observed that fusion centers are most effective when they engage the law enforcement community more in a preventive posture — and not just for counterterrorism, but for major crimes. As an example of a requirement, he would propose addressing regional crime issues, such as gangs, regionally, rather than pushing it back and forth across a jurisdictional boundary.⁶⁰ This sentiment was echoed by Sacramento County Sheriff McGinness who took the position that the fusion center mission could include anything that would make the community, or officers working in the community, safer.⁶¹

Care must be taken to ensure that there is congruency between who the fusion center believes its customer to be and who the governing board believes the customer should be. An involved and active governance board should be aware of the standing requirements and the identification of the primary and secondary customers of the fusion center, and ensure that those needs are being met. In the event of a conflict, skillful leadership with a collaborative and network-oriented approach will be required to reach a compromise amongst the varying jurisdictions and disciplines. The regional partners in the governance board must be able to set the requirements, or the objectives, of the fusion center.

b. Tasking

A clear and definitive set of standing tasking requirements, along with clear identification of who the customer is for those particular tasking requirements, will add to the quality and ultimate usefulness of the end product. This was an issue discussed in the recent analyst training in Monterey, and was an issue that was

⁵⁹ Ken Wagner, Roseville California Fire Chief, interview, November 21, 2007.

⁶⁰ Rick Braziel, Sacramento Chief of Police, interview, December 4, 2007.

⁶¹ John McGinness, Sacramento County Sheriff, interview, December 19, 2007.

widespread throughout the ranks of the analysts represented at the training.⁶² One of the biggest problems facing fusion centers is getting law enforcement administrators to establish standing requirements. Law enforcement administrators cannot become efficient consumers of intelligence if they do not take an active part in establishing what requirements are established or why. The standing requirements of a fusion center should not be established in an ad hoc fashion.⁶³ For the fusion centers to have value to the ER community the ER administrators should have input as to the priorities of what product is produced. ER administrators will have to be educated on the intelligence process and how to become effective consumers of intelligence.

The LA RTTAC does not have a written standing tasking requirement, partly due to the co-management of the organization between LASO, LAPD and the FBI. Tasking is done by the manger on duty as the need of the situation presents itself.⁶⁴ The tasking assignments to analysts in the Northern California RTTAC and the Sacramento RTTAC are done by the supervisors.

Just as the regional partners can task the fusion center by establishing the appropriate standing requirements for the fusion center, the fusion center must be able to task the ER community for new, additional, or supplemental information. A robust mechanism for this tasking must be established. The survey data found this to be the case.

All of the fusion centers were flexible in who could task the center with a request for an intelligence product; anyone with an administrative association would be able to make such a request. This collaborative approach is salutary. An unanswered question is who takes advantage of this capability, and how often.

An additional point on tasking is made by Norm Beasley. He suggests that, in addition to having local administrators assist in establishing standing

⁶² Analyst Training Seminar, Monterey, California.

⁶³ Personal communication with a confidential source who is a career intelligence analyst, February 22, 2008.

⁶⁴ Robert Galarneau, Lieutenant, Los Angeles County Sheriff's Department, Co-Manager of the LA Regional Terrorism Threat Assessment Center, interview, December 14, 2007.

requirements for state and local fusion centers, a national network of fusion centers should be established with federal guidelines on standing requirements from the federal government to the state and local fusion centers. This is not a task the government will be anxious to do as it may give the appearance of trying to take over the local fusion centers. But a network is just that, an exchange of information with two-way tasking at all levels. Local centers could task the federal government for intelligence gaps on local threat activity and the federal agencies could task the locals with their greater number of assets and community contacts. This will be a rather delicate undertaking but nonetheless a worthwhile one.⁶⁵

Finally, once the mission and customer identification has occurred, the center will need to determine at what level each customer will be supported. Is the primary mission of the center to support counterterrorist efforts, criminal case support, or situational awareness? Most will have all three and an equitable (based on identified need) distribution of resources and product will go a long way to crystallizing the mission, meeting expectations and gaining customer satisfaction.

To accomplish this, the fusion centers will be required to develop a method of prioritization for resource allocation, which should be based on the local threat picture. This concept is supported by the Fusion Center Guidelines, guideline number two,⁶⁶ which calls for a prioritization of intelligence functions to address local threats. This point is central to one of the major themes of this thesis, which is intelligence products that are produced by the local fusion centers must not only be timely, but must be locally actionable if they are to provide the preventive value that should be expected of fusion centers.

2. Philosophy

How fusion center professionals approach their job and *how* the decisions are made about the operational functions of the fusion center are perhaps just as important as what those operational functions become. If partners are made to feel excluded or

⁶⁵ Beasley, interview.

⁶⁶ *Fusion Center Guidelines*, 23.

denigrated, cooperation and collaboration will be relegated to catch phrases, and the potential benefits of true collaboration and networking will be lost. It is important that leaders in fusion centers have an understanding and embrace a collaborative and inclusive environment when making decisions on standing requirements and the operational posture of the fusion center. To do that, fusion center leaders need to come to an agreement on what the basic operating principles of the center are and how they will be addressed. Among issues that should be considered are the value of prevention, risk management, what is the local threat, strategic vs. tactical support, all crimes vs. strictly counterterrorist perspective, prioritization, and standing tasking requirements.

a. Prevention

The threat of a terrorist attack has dramatically shifted the focus of local law enforcement. Much has been written about the need for local law enforcement to take an active role in not only preparing to respond to an attack, but more importantly, being a major player in preventing an attack. This is a new role for domestic law enforcement and the major sticking point is how best to accomplish this obvious but elusive goal.

Almost every jurisdiction that chooses to address the issue (and not all do), has a different approach with varying degrees of success. One comes up against the requiem: How do you measure what has not happened? The Director of the California State Office of Homeland Security, Matt Bettenhausen, illustrates this problem stating, “The more successful you are, the less you have to show for it.” He adds that “prevention is our first goal, and prosecution comes next. If prosecution were our first priority, it would be better to allow some of these groups to develop more, but the stakes are too high.”⁶⁷

The range of operational responses varies dramatically from state to state and from jurisdiction to jurisdiction. Some jurisdictions (or administrators) feel that “it won't happen to us” and put very little effort into prevention. Instead, they focus much of

⁶⁷ Bettenhausen, interview.

their homeland security resources into a response capability, which they may be able to use in events other than a domestic terror attack. However, a significant number of jurisdictions are beginning to recognize the value of prevention over that of response, realizing that if we need to respond to a domestic terrorist attack we have, to a certain extent, already lost.

If fusion centers are to be seen as valuable enterprises, worthy of their funding and resource expenditure, the governance board and the management of the fusion centers must adopt a philosophical acceptance that prevention is key to homeland security, and be able to convey that message to the local political and administrative leadership. The shift of identifying homeland security protection from response equipment procurement to intelligence-inspired prevention is one that will require support and evidence. Homeland security dollars are moving away from response and into prevention. There are constituent groups that will be resistant to this shift. For some years, response capacity has been the major benefactor of grant dollars with the purchase of costly response equipment. Many local administrators will be loathe to give up their big-ticket equipment items, previously paid for by grants in exchange for information or intelligence that may or may not prevent an attack that may or may not happen.

Fusion center advocates will need to demonstrate that intelligence, tailored to the sphere of influence of each individual fusion center, is an approach that can provide protection for the homeland if fusion centers are to gain acceptance from the local emergency responder community, and more importantly, their administrators. To this end, fusion centers may well need to include threats other than terrorists.

The CRS report reinforces the point that fusion centers can enhance protection with the observation: “Creating a fusion center is a tangible action that seeks to enhance state and/or regional coordination and cooperation to prevent and mitigate, and in some cases, respond and recover from homeland security threats.” The report continues the argument for a common adoption of the prevention philosophy stating,

If fusion center constituent agencies don’t buy into a common fusion and prevention philosophy that arguably needs to accompany fusion centers

(i.e., responsibility for security, a proactive approach, and need for understanding their environment to discern potential threats), can fusion centers be effective?⁶⁸

An educational marketing campaign on the value of prevention and the potential of the fusion center to promote that prevention should be a combined message, presented by an influential coalition.

A final point that will undoubtedly generate controversy: What is the risk management strategy that will be supported by the fusion center? Should the standing requirements of the fusion center give priority to the less likely but potentially devastating WMD attack, or should the more likely, less catastrophic conventional attack with perhaps a VBIED, be the priority of the fusion center? These issues will not be answered in this thesis. For the efficient operation of fusion centers, however, they will need to be addressed by the governance board, emergency responder senior executives and elected officials. Brian Jenkins weighs in on this point in his testimony before Congress, stating,

allocation of resources must be based upon assessments of risk — we are moving in this direction. The choice lies between focusing on the most likely events in the lower registers of violence or on the less likely events that would have the greatest consequences.⁶⁹

b. Establish a Local Threat

In order to form a cohesive prevention posture, adopted by administrators and line personnel, the fusion centers will have to identify what it is that they are trying to prevent; identifying a local threat will aid in this effort. The National Intelligence Estimate: The Terrorist Threat to the U.S. Homeland, released in July 2007, states:

We assess that the spread of radical — especially Salafi — Internet sites, increasingly aggressive anti-U.S. rhetoric and actions, and the growing

⁶⁸ Masse et al., CRS Report for Congress, 10.

⁶⁹ Jenkins, testimony before the committee on appropriations subcommittee on Homeland security United States House of Representatives, January 30, 2007; this paragraph is a paraphrase or string of quotes of Jenkins's testimony, 2-4.

number of radical, self-generating cells in Western countries indicate that the radical and violent segment of the West's Muslim population is expanding, including in the United States.⁷⁰

The estimate goes on to say that:

We assess that globalization trends and recent technological advances will continue to enable even small numbers of alienated people to find and connect with one another, justify and intensify their anger, and mobilize resources to attack—all without requiring a centralized terrorist organization, training camp, or leader.

The ability to detect broader and more diverse terrorist plotting in this environment will challenge current U.S. defensive efforts and the tools we use to detect and disrupt plots. It will also require greater understanding of how suspect activities at the local level relate to strategic threat information and how best to identify indicators of terrorist activity in the midst of legitimate interactions.⁷¹

The 2008 Annual Threat Assessment from the Director of National Intelligence reiterates the threat potential on our domestic front:

While the threat from such homegrown extremists is greater in Europe, the U.S. is not immune. The threat here is likely to be fueled in part by propaganda and mischaracterizations of U.S. foreign policy as harmful to Muslims, rather than by any formal assistance from al-Qa'ida or other recognized groups. The al-Qa'ida-propagated narrative of an “us versus them” struggle serves both as a platform and a potential catalyst for radicalization of Muslims alienated from the mainstream U.S. population.⁷²

Given the uncertainty of the environment — and the relative ease of operation with which disaffected and hostile individuals can anonymously engage with and reinforce one another — it is impossible to determine, with any degree of certainty,

⁷⁰ National Intelligence Estimate, the Terrorist Threat to the U.S. Homeland, Office of the Director of national intelligence, http://dni.gov/press_releases/20070717_release.pdf. Last accessed January 17, 2008.

⁷¹ Ibid.

⁷² Michael J. McConnell. Director of National Intelligence, Annual Threat Assessment of the Intelligence Community for the House Permanent Select Committee on Intelligence, February 5, 2008, 9. http://www.tsa.gov/assets/pdf/02052008_dni_testimony.pdf, Last accessed, February 26, 2008.

the extent of our threat in any locale. To illustrate the point, consider the jihadist terrorist cell uncovered in June 2005 in the rural farming community of Lodi, California. The discovery resulted in one conviction for providing material support for terrorism, a twenty-four-year prison sentence and the deportation of two local Imams. Prior to the discovery of the cell, few people would have chosen Lodi as the location of an emerging jihadist terrorist cell. The potential for these cells and other domestic single-issue terrorist groups to spring forth without warning is a byproduct of our technological and interconnected world.

Among the countervailing points of view is the notion that the domestic terrorist threat is not as dire or imminent as we have been led to believe. Proponents of this argument believe that the United States will be able to absorb any such attack in stride. A lack of successful jihadist terrorist attacks in the intervening years since 9/11 is frequently cited as evidence for the position. This is a compelling argument, although several attempts throughout the country have been disrupted before the terrorists could implement their attacks. Those arguing the position that the domestic threat is not significant will point out that these attempts were so ill-formed that they were never able to be initiated.

Director Bettenhausen gives context to this argument during his interview. His position was that many of the domestic plots that have been uncovered nationwide were unsophisticated, and considered to have minimal potential by some. Who would have thought, however, that nineteen guys with box cutters could have done what they did prior to 9/11? Much of our success is due to interdicting potential threats at the lowest level of discovery. We do not allow the enterprise to grow; our best course of action may be deportation or exposure.⁷³

The mere threat of becoming a victim of a terrorist attack can have a severe impact on a community, including the mental-health of its residents and the way they conduct their daily lives. As an example, consider the DC sniper attacks and how they affected that community. These were two unsophisticated and unsupported lone

⁷³ Bettenhausen, interview.

wolf criminals — not ideologically motivated terrorists, pursuing what they believed to be a just cause. A few such individuals could easily wreak that level of havoc on any community in our country. It is not unreasonable to believe that a small group of dedicated and motivated terrorists could, while not significantly disrupting the infrastructure of this country, have a significant impact on the national psychology and economy.

It is a reasonable perception that a police officer or firefighter is unlikely to uncover a planned transnational terrorist plot or encounter and document a contact with one of its cell members. That position does little to counter the converse of the argument, that a local ER will have a far greater chance of encountering a terrorist plot or action emanating from within our borders. The threat posed by radicalized prisoners, single-issue terrorists — such as ELF or ALF, and more importantly local jihadists that have a sympathetic ideological link with Al Qaeda and similar groups — will more likely be discovered or encountered by local ERs.

While these attacks may lack the feared WMD capability, there should be no doubt that a group of serious and motivated individuals could produce an attack that is not only physically, but psychologically, catastrophic. You need go no further than the Oklahoma bombing to reinforce this point. Finally, many experts make the case that counterterrorism is more appropriately a police mission rather than relying primarily on the military. In a paper authored by Bruce Hoffman and Seth Jones (draft, cited with permission) they make the case that police have better training and more experience in responding to terrorist organizations and, historically, have greater success against them. The paper continues to say that the government should enhance police capacity to respond to the threat (specifically al Qaeda) much more robustly than has been done.⁷⁴ An awareness of our local threat will assist us in focusing our prevention efforts and create a need for intelligence and data collection.

⁷⁴ Bruce Hoffman and Seth Jones, *Countering a Resurgent al Qaeda* (draft), cited with permission, May 22, 2007, <https://www.chds.us/courses/mod/forum/discuss.php?d=8174>, last accessed, March 1, 2008.

c. Strategic vs. Tactical

One additional perspective fusion centers have to consider is the type of analytical support that they provide. The question has arisen: Should fusion centers provide strategic analysis in the form of threat assessments or situational awareness for local executives and elected officials as the customer, or should they concern themselves with tactical case support for developing or ongoing investigations?

The data from the survey indicates that 60 percent of the fusion centers had both a strategic and a tactical capability. This finding was supported by the interviews from the commanders of the four RTTACs. The Bay Area RTTAC and the Sacramento RTTAC primarily do investigative tactical case support, but they do some strategic analysis on request or when they deem such a need exists. The LA RTTAC does some investigative case support but primarily provides strategic analysis, while the San Diego RTTAC does purely strategic support.

Comparisons between fusion centers are difficult, as there are no standardized definitions for the types of analysts and what their product is or should be. In the phone survey conducted by the Sacramento Joint Powers Authority one of the questions on the survey: How are your fusion center analysts different from crime analysts? Only four gave responses that may indicate that strategic analysis was being conducted. Another question: What percentage of your analysts' time is spent on terrorist threat analysis? Eleven of the twenty three fusion centers responded low or very low.⁷⁵

The Arizona Counter Terrorism Information Center (AcTIC) has separate analyst components that perform the distinctly different functions of tactical investigative case support analysis and strategic trend or threat awareness analysis. The tactical analyst unit has three analysts that perform analysis on active cases. Also in the AcTIC, the Arizona Department of Public Safety has a strategic analysis component (with two analysts and plans for two additional analysts) that focuses on national and world events

⁷⁵ Sacramento Joint Powers Authority.

and trends, and how they may affect Arizona. The AcTIC also houses the FBI's Field Investigative Group (FIG) and their strategic analysis unit.⁷⁶

This data would suggest that identification of customer and customer needs is extremely important to determine not only the end product but the value of that product to the customer. Needs identification will undoubtedly help focus mission and resource allocation within the fusion center as well as producing a usable product that will be of value to the identified customers. Note that the product need not be limited to strategic or tactical, and clearly can be both. To assist in prioritization of work product and resource allocation, however, it would be important to know what was the primary expectation.

Many of the fusion centers' employees who were interviewed for this thesis repeated the complaint that they were short-staffed and that without federal funding the fusion effort would be in jeopardy. It would seem prudent to make a concerted effort to seek out the emergency responder administrators and elected officials to give them regular threat assessments and situational awareness briefings to demonstrate the value and capability of the unit. They should also be made aware of, and encouraged to use, the tasking capability to have a strategic product prepared that is within the purview of the fusion center and is of concern to local officials. This level of customer service and interaction will not only help educate administrators as to the usefulness of the fusion center, but also establish contacts and the beginnings of a network. This increased interaction could lead to increased support and funding.

d. All Crimes vs. Strictly Counterterrorist

One of the most topical issues related to fusion centers is the question of whether fusion centers should focus exclusively on terrorism, as opposed to engaging in a broader scope of all crimes and terrorism. (All crimes rarely means "all crimes" but is usually meant to be certain organized crimes or major crimes such as narcotics, crimes of violence and gangs, or crimes that may be used to support terrorism efforts here or

⁷⁶ Lisa Ruggeri, Criminal Intelligence Analyst, Arizona Counter Terrorism Information Center, Interview December 20, 2007. Ms Ruggeri is currently assigned to the FBI JTTF.

abroad, such as financial crimes or fraud). The original intent of fusion centers, as they first began to emerge after 9/11, was to focus explicitly on the threat of terrorism. Since that time, the immediacy of the threat has faded and the trend has started to shift to an all-crimes approach.

Jerry Murphy, Director for Homeland Security at the Police Executive Research Foundation (PERF), asserts that, in part, the shift is driven by relevance and workload; there is just not enough purely terrorist actionable intelligence to justify all of the fusion centers that are in operation. He also believes that a purely terrorist orientation would lead the centers to become irrelevant to local law enforcement, since the FBI has the primary counterterrorism role.⁷⁷ With the exception of New York City, he would anticipate all of the other fusion centers to begin a shift toward an all-crimes approach.

Other supporters of a purely terrorist orientation for fusion centers come from those fusion centers located in mega-communities with a high iconic value such as New York City and Los Angeles. The survey of the four California RTTACs and the California State Terrorism Threat Assessment Center (STTAC) indicates that the majority of those centers, 60 percent, engage in an all-crimes perspective for fusion center operations. One of the exclusively counterterrorist perspectives was Los Angeles, (noted with permission), which investigates and analyzes counterterrorist activity but also considers criminal activity with a terrorist nexus such as financial crimes (they maintain connectivity via the TLO program with officers in the various investigative units). Due to their increased risk of attack and what is very likely a large volume of intelligence, it may be prudent for those mega communities to focus exclusively on counterterrorism. In something of a contradiction, which is an indication of the complexities associated with this question, 80 percent of the fusion centers identified themselves as “all crimes” in the interviews.

A partial explanation may come from FBI Special Agent Oda, one of three co-managers of the LA RTTAC. He objects to the GAO report, citing only a small number of fusion centers are focused on counterterrorism. Oda notes that the Fusion

⁷⁷ Jerry Murphy, PERF, interview, December 17, 2007.

Center Guidelines recommend fusion centers consider an all-crimes perspective in order to more fully appreciate and gain information on the counterterrorism mission. While the LA RTTAC does not supplant other investigative units' area of responsibility to investigate crime, they do consider a terrorist nexus to criminal activity. They rely on interagency cooperation to provide them needed information. Oda continues to say that LA RTTAC's mission is counterterrorism, complemented by reviews of other criminal activity. Oda illustrates the point by stating that the vast majority of successful cases did not start out as a terrorist event but evolved from other criminal activity.⁷⁸

The San Francisco Bay Area RTTAC operates an all-crimes fusion center, as does the Sacramento RTTAC. The San Diego RTTAC does not operate in an all-crimes mode; it is a member of a fusion center that consists of the RTTAC, a Law Enforcement Coordination Center (LECC), and the FBI's Joint Terrorism Task Force. These three organizations form the fusion center. The LECC main function is the operation of four intelligence teams that focus on narcotics, gangs, border issues, and financial crimes. The LECC does not have a formal concept of operations or formalized information exchange mechanism with the RTTAC, but that is an identified problem that will be developed as the center matures. The San Diego model will be worthwhile to observe as it develops.

A consideration for determining whether a fusion center should be all crime, or purely counterterrorist, should be predicated on the immediate threat picture in which the fusion center is operating. A majority of the state and local fusion centers have an all-crime perspective or mission in their fusion centers. Twenty-three of thirty-six operational fusion centers that provided mission statements to the GAO had missions that involved collecting, analyzing and disseminating criminal as well as terrorism-related information.⁷⁹ According to the GAO report, more than half of the fusion centers have an all-crime mission.

⁷⁸Steve Oda, FBI Special Agent, Co-Manager LA RTTAC, interview, December 17, 2007.

⁷⁹Eileen R. Larence, Director of Homeland security and justice issues, GAO testimony before the subcommittee on intelligence information sharing and terrorism risk assessment, Committee on Homeland Security, House of Representatives, space GAO -07-1241T, United States Government accountability office, September 27, 2007, 6-7.

Phil Bodenhorn, supervisor of the Sacramento FIG, takes the position that law enforcement has the mission to protect its citizens from harm. He believes that local fusion center intelligence requirements can be written for local crime requirements, as well as for national security counterterrorism. This will undoubtedly create a large list of requirements that must be distilled into a more precise list. He believes that local law enforcement could manage this with training, written guides, and the use of terrorism liaison officers as a resource for officers in the field.⁸⁰

The counterargument to the purely terrorism position is varied and robust. Most jurisdictions do not have enough activity that can be readily identified as exclusively terrorist to sustain a fully staffed fusion center.⁸¹ The survey data of California's fusion centers supported this assertion; 50 percent of the fusion centers felt that there was not enough purely counterterrorist activity to consistently support a fully staffed fusion center. Only the most at-risk agencies would consider their jurisdiction to be sufficiently at risk of a terrorist attack that they would dedicate scarce resources to the sole effort of intelligence collection and analysis of a purely terrorist nature. Director Bettenhausen would agree that, in his opinion, there is not enough work in the fusion centers for strictly counterterrorism. He adds that everyday crimes can turn up information, especially crimes that can support terrorist operations. The public derives a benefit from the dual mission of conducting all crimes and counterterrorist analysis.⁸²

Sheriff McGinness took the position that fusion centers should be all-crimes centers, noting that terrorist activity would be included in that category and clearly would be a priority. He added that numerous high-profile crime and terrorist incidents had been solved by happenstance uniformed officer contacts; these contacts in general could potentially yield a significant amount of information.⁸³ Chief Braziel weighed in on the issue unequivocally when he discussed the topic, saying that for local administrators to

⁸⁰ Bodenhorn, interview.

⁸¹ Johnstone, personal communication, September 2007.

⁸² Bettenhausen, interview.

⁸³ McGinness, interview.

continue to support fusion centers, particularly when funding for them starts to disappear, they will have to fight crime, specifically major crimes or crimes that can have a terrorist nexus.⁸⁴

The survey data also suggests that useable intelligence product would be lost if their center were to focus exclusively on counterterrorist activity. Of the reporting fusion centers, half stated that there would “usually” or “almost always” be a loss of intelligence data. Half of the respondents also felt that value to consumers would “usually” or “almost always” be reduced, and 25 percent felt that “sometimes” the value to consumer would be reduced.

Another potential hazard of following a purely terrorist approach is that if there were an insufficient level of meaningful work and analysts were not being challenged, not only would their skills erode but they might seek other opportunities. It is already very difficult for fusion centers to meet their staffing requirements; analysts often leave if they find the work unrewarding.⁸⁵ Chief Braziel made the observations that there was a need to keep analysts busy with real crime problems that are active in their area so their skills will remain sharp. He offered prison gangs a one potential area of investigation.

Many terrorists allegedly sustain themselves by petty criminal activity, which may be uncovered by officers on a routine contact. It has been reported that many terrorist organizations support themselves through a variety of crimes including, but not limited to: identity theft, counterfeiting, financial crimes, fraud and narcotics. If a fusion center were purely counterterrorist-oriented, many connections to criminal activity with a potential terrorist nexus would likely go uncovered or unreported; seemingly innocuous bits of information may go unrecognized.

A counterargument to the terrorist as a petty criminal is presented by the work of Marc Sageman. He makes the case that the evidence does not support the

⁸⁴ Braziel, interview.

⁸⁵ Murphy, interview.

frequent proclamation that terrorists (specifically what he terms global Salafi terrorists) engage in criminal activity to advance their cause.⁸⁶

Most large and midsize state and local fusion centers are supported by local law enforcement who will expect some intelligence product that is locally actionable as part of a quid pro quo. In the survey, the fusion centers reported that they felt that support from parent agencies would “sometimes” be reduced if the fusion center did not have an all-crime perspective. If fusion centers are to be self-sustaining, they will need to demonstrate value to local officials and gain their goodwill and support. Producing a product that is timely, relevant and locally actionable will advance this cause.

The crimes that these fusion centers tend to focus on outside of terrorism are those that are serious or organized criminal enterprises. The most prevalent are narcotics, money laundering, counterfeiting, financial crimes, crimes of violence and gangs. Financial crimes and gang activity were investigated at a significantly higher level than the other crimes.

Addressing serious crime problems will help the fusion center garner support in the event of a need for local funding, or even sustained federal funding. Brian Banning takes the position that one way for fusion centers to show value is to “catch a bad guy.” This could be done with small investigative teams that would work tips the JTTF could not get to in a timely fashion or had passed on. These may be terrorist threats or major criminal cases. This team would work these cases as far as they could go. He feels some locally generated successes will go a long way to gain local and federal support for the fusion centers. He would also argue for a computer forensic capability within each fusion center. It is impossible to know if any terrorist intent exists in many criminal cases without opening up a computer.⁸⁷

⁸⁶ Marc Sageman, “Understanding Jihadi Networks,” *Strategic Insight* IV, Issue 4 (April 2005) Center for Contemporary Conflict, www.ccc.nps.navy.mil, last accessed January 4, 2008.

⁸⁷ Brian Banning, Lt., Sacramento County Sheriff’s Department, temporarily assigned Critical Infrastructure Protection, California Office of Homeland Security, interview, January 3, 2008.

e. Prioritization

In addition to prioritizing what level or amount of work is to be done between the strategic analysis and tactical case support categories, the fusion centers must have a system of prioritizing or triaging tips and leads. All of the tips and leads should get some level of at least a cursory review; however, the degree to which each tip or lead is pursued should undergo some sort of evaluative process. Indeed, without some sort of screening process or triage, fusion center intake could become overwhelmed and wholly ineffective.

One system of triaging tips and leads to ascertain a weighted score for investigation priority was advanced by Raphael Brinner, an analyst for the U.S. Coast Guard. Brinner presented his model to the RTTAC Analyst Training Conference in Monterey California. In a brief overview of his model, as yet unpublished (presented here with permission), Brinner highlights the relationship between threats, vulnerabilities and incidents with individual domains in Venn diagrams. A full treatment of the model is beyond the scope of this thesis, but is presented as an area that should be addressed by fusion centers. The USCG approach is to measure suspicion using their MEDS (Minimal, Elevated, Demonstrated, Strong) threat rating system using the objectives of: 1. highlight anomalies; 2. keep routine activity in perspective; 3. apply rigor to a subjective process. Key issues are to recognize your biases, set the activity in the local contexts, individual incidents are poor metrics (the sample size is too small), and local trends are more important than national trends (except for the aviation industry). Finally, triage, objective language, and investigation will give data context and meaning.⁸⁸

With a triaging system in place, priority investigations can be targeted at the tips that are associated with known vulnerabilities, linked to suspected threats and involve incidents that are suspicious anomalies.

⁸⁸ Rafael Brinner, Analyst, U.S. Coast Guard, Maritime Intelligence Fusion Center Pacific, *Triaging Suspicious Activity, a Model for Homeland Threat Analysis*, February 2008. E mail provided with permission, Rafael.J.Brinner@uscg.dhs.gov.

3. Leadership

As has already been stated the literature is very weak or silent on the issue of who should lead fusion centers. This may be because the federal government is sensitive to the concerns of local control and is unwilling to enter into a political arena that may be fraught with controversy; or it may be that — due to the varying needs and organizational structure of the state and local fusion centers — management, or more importantly leadership, is not fully developed in the aforementioned documents. In all likelihood, it is a combination of the two. As has been documented in numerous studies, however, the success or failure of any new venture, particularly a collaboration of different entities with different cultures, requires strong (not autocratic) leadership. The leader must be able to instill a vision and have the ability to translate that vision into several different dialects, if you will, to be able to talk to fire, law, public health etc.

A leader taking on this type of challenge must be able to not only build and maintain relationships but intuit what relationships are necessary but do not, as yet, exist. This will necessitate establishing common modes of communication, but more importantly, creating a common desire or identification of a need to communicate — which will be made more even more difficult in light of the phenomena of the fading threat created by the length of time since we were successfully attacked. Such a leader will require an abundance of trust, competence and credibility. Successfully managing a fusion center into the future will require more than an intelligence professional or a skillful manager, it will require a leader with excellent networking skills.

The vast majority of fusion centers have statewide responsibility. According to the CRS July 2007 report, many were originally state police agencies that were given an additional task of intelligence production, making them the fusion center. It is not a great deductive leap to make the conjecture that state intelligence centers or state law enforcement centers would be hierarchical in nature and lead with a top-down perspective. The regional fusion centers, which were less than 20 percent of the total number of fusion centers, were generally those that were located in UASI cities. The CRS report found that these regional fusion centers were more likely than the state

counterparts to have multiple agencies "involved in their development in day-to-day operational management."⁸⁹ If leadership, guided by networked relationships, is truly beneficial, the regional fusion centers that were forced into collaborative relationships in the developmental stages of their emergence may well prove to be the beneficiaries of necessity.

It will be the burden of state agencies to move from the comfort of the known and entrenched style of leadership to adopt a truly collaborative and inclusive leadership style that will embrace a network philosophy. It will not be easy to give up total control but, in a catastrophic event, no one will have control and no single entity will have a chance of responding adequately. A diverse and reflexive network will be a necessity to respond to the threats of the future.

B. ANALYSTS

Staffing the fusion center is a critical function that is often overlooked or not adequately considered. The analysts selected to work in the fusion center must be selected on the basis of ability, capability and the mission of the center. Basically, two categories of analyst are assigned to fusion centers. The first is crime analysts (tactical) who generally have a law enforcement background. The second is intelligence analysts (strategic) who generally have a background in either the military or a federal intelligence service. Both require a level of training, education and expertise, but have distinctly different orientations in their approach and expertise. Intelligence analysts frequently have a higher level of formal education and perform predictive strategic assessments; crime analysts generally have more experience in case support and link analysis, and perform tactical or case support.

From the IC's perspective, a strategic analyst, as described by Phil Bodenhorn, is one who has a level of subject matter expertise that has been gained with years of experience. Strategic analysts must work from a basis of hypothesis and very often must rely on sketchy information that must be qualified by their domain of expertise and

⁸⁹ Masse et al., *CRS report for Congress*, 20.

knowledge of all aspects of the threat. This level of knowledge is required to make predications and assign degrees of confidence, which can take on the quality of peering into a “crystal ball.” This level of experience gives them the moral courage to make assessments — and stand by them. Conversely, some analysts do research on after-the-fact crimes or an incident; this is investigative research, not intelligence analysis.⁹⁰

Frequently, sworn law enforcement officers and firefighters are chosen to function as fusion analysts. Often, these officers have little training or background for this position. The type of personality that is drawn into the field of law enforcement or firefighting is not generally consistent with the type of personality that is willing to sit at a desk all day and read copious amounts of material from disparate sources, recognizing patterns and integrating them into a potential threat pattern. That is a special skill that requires aptitude and training. We need to recognize and hire staff to that end. That is not to say that certain law enforcement officers, fire fighters or other emergency responders cannot make good analysts, just that the ability to be a professional intelligence analyst has a special skill set, experience and aptitude. Robert Galarneau, co-manager of the LA RTTAC, gives his perspective on the issue of law enforcement analysts stating, “The more difficult analyst to work with is the law enforcement analysts. Cops as analysts are in an uncommon role and the transition is often difficult. Cops want to do things.”⁹¹

Another perspective on the issue is presented by Sheriff McGinness. Having specially trained analysts to provide continuity and historical perspective is useful and necessary; however, Sheriff McGinness also takes the position that having a law enforcement presence in the analyst pool adds value to the fusion process — and to the organization when the officer returns to his or her agency. The knowledge and skill gained in that assignment can have a beneficial effect on the organization.⁹²

⁹⁰ Bodenhorn, interview.

⁹¹ Galarneau, interview.

⁹² McGinness, interview.

Unlike some fusion centers, the Arizona AcTIC does not use any law enforcement or other emergency responder personnel as analysts. The analyst role is strictly a civilian position with its own career path. All of the analysts in the tactical analyst section of AcTIC have a minimum of a BA. Degree and, as part of the hiring process, candidates are tested on analytical thinking.⁹³

Crime analysts require a professional background and training that cannot be accomplished with a two-year rotation common to many sworn law enforcement and firefighter analysts assigned to fusion centers. Further exacerbating the problem, of having rotating analysts, is the issue of clearances. To be effective, one must have access to classified databases. These are generally controlled by the FBI, who has the jurisdiction to investigate crimes of terrorism. Access to these databases cannot be granted without a top-secret, secure, compartmentalized information (TS SCI) clearance. From the date of application, it takes approximately one to two years to gain this clearance (it has been reported that this timeframe is being driven down to as fast as nine months in some jurisdictions).⁹⁴ Given the time it takes to select, train and obtain a clearance for an analyst, if a fusion center were to rely on sworn officers or anyone else that must rotate on a two- to three-year basis, one can be certain that the effectiveness of the analytical capability of that fusion center will be significantly degraded. If a fusion center has a rotation or retention issue with analytical staff, they will perpetually be in training, pending a clearance, and lacking any historical perspective.

To illustrate the point the LA RTTAC has approximately nineteen analysts. Ten of them are from LASO or LAPD. They have lost nine analysts in the past year-and-a-half due to turnover. It takes about nine months to get an analyst a top-secret clearance, and then they have to train them on the databases and the process of intelligence. They are perpetually in the training mode.⁹⁵ As reported in the survey data, of the five California fusion centers, two of them had less than 50 percent of their staff with

⁹³ Ruggeri, interview.

⁹⁴ Galarneau, interview.

⁹⁵ Ibid.

clearances to access classified databases, and two more had between 50 and 75 percent of their staff with access to classified databases.

A confidential source, with ten years of experience in the intelligence analysis field, gave the opinion that the vast majority of the analysts in the fusion centers in the RTTAC and the STTAC were crime analysts and lacked the experience, education and skill set of an intelligence analyst. This was chiefly borne out in their product, which lacked both quality and quantity. The significant issue was that the products reported observations but did not produce an analysis of the observations or predictions. The products were too few and lacked recommendations that could direct policy. The source praised the fusion center analysts, which were primarily criminal analysts, for their criminal or tactical case support. It was felt that much more experience and education was needed before these criminal analysts could be considered intelligence analysts. It was also acknowledged that there was less call for “strategic” analysts by the current caseload. The majority of the analytical work was accomplished at the tactical case support level, which was where the majority of the analysts had their greatest strengths. The sources also mentioned that a lack of threat data inhibited the depth of their work product.

The question was also raised as to whether there was enough demonstrated benefit to sustain the fusion centers if they did not produce some material benefit for an identified customer base, considering the high cost of operation.⁹⁶

1. Training

According to the survey, three of the five fusion centers had over 76 percent of their staff trained in intelligence analysis. One of the fusion centers only had 26-50 percent of staff trained in intelligence analysis, but it is still in the developmental stages. The most commonly reported training that the analysts received was the Foundations of Intelligence Analysis Training (FIAT) from the International Association of Law Enforcement Intelligence Analysts (IALEIA), which is a non-profit professional

⁹⁶ Personal communication with a confidential source who is a career intelligence analyst.

organization dedicated to advance law enforcement intelligence analysis. The other major provider of analyst training is the Law Enforcement Intelligence Unit (LEIU). LEIU is an association formed to promote criminal intelligence analysis; as laudable as their goal, they have no mandate to enforce or sanction for a lack of standards.

The issue of requirements for training is dependent on the type of analyst one is considering. The educational requirements that the intelligence community in the FBI or DHS considers qualified for an intelligence analyst is at a bare minimum, a bachelor's degree in a targeted major and most likely a masters degree or Ph.D., with some work experience, and possibly language abilities or cultural experience. Training programs for these individuals exist within the FBI and CIA, but these programs focus on honing existing skills. Analytical training for criminal analysts would require much less formal education, but many of the same skills in critical thinking; these requirements are in addition to the ability to conduct tactical case support utilizing link analysis and other investigative tools.

In the informal phone survey conducted by the Sacramento Joint Powers Authority, the twenty-one fusion centers that responded to the survey identified analytical skills and writing skills as the area where their analysts needed the most improvement. Eighteen of the twenty-one centers stated that their analysts had received some training in analytical thinking and analytical tools. The training that was identified as most needed included: analytical skills, terrorism fundamentals, report and analytical writing. Other identified training needs included identifying reportable intelligence, intelligence methodologies, open-source exploitation, anticipating law enforcement needs, advanced research skills, and analytic tools.⁹⁷

What is lacking is a government-sanctioned analyst training program to standardize training regimen and requirements (this comment is not to infer in any way that either of the above organizations is anything other than professional). However,

⁹⁷ Sacramento Joint Powers Authority.

these professional organizations would benefit from having the support of a government agency with adequate funding, rather than relying on nonprofit status or other means to support this necessary training.

This sentiment is reinforced by RTTAC co-manager FBI Special Agent Steve Oda when he makes the observation that we do not have a robust national training program to take people from an undergraduate degree to a trained analyst. The FBI and DHS have training that can take an existing analyst with a master's degree or Ph.D. and develop those skills. But no program currently exists to take someone from undergraduate to analyst of a standard recognized by the intelligence community. Steve Oda went on to say that one or two quality analysts make a tremendous impact within the fusion center.⁹⁸

Brian Banning, the former Deputy Commander of the Sacramento RTTAC, felt that the crime or tactical analysts were very well-trained; in fact, he described them as the most trained group he has ever worked around. He added that the training lacked standardization, but that efforts appeared to be underway between the major providers to establish formal standards. Banning took the same position as others in identifying two distinct groups of analysts — the tactical versus the intelligence or strategic analyst. He identified the intelligence analyst as being capable of looking at geopolitical trends and applying that perspective to our region to make predictions on local potential for groups or individuals. He noted that there is a difference in the product between the two groups of analysts.⁹⁹

The confidential source also felt as though there was plenty of good criminal analyst training available, there was very little “all source” strategic analyst training available, outside of Washington DC. The source felt that there is no identifiable vehicle for local analysts to gain the necessary training to become a strategic, all-source

⁹⁸ Oda, interview.

⁹⁹ Banning, interview.

intelligence analyst. It was recommended that perhaps mobile training teams from accredited training facilities in Washington, DC, provide the necessary training to upgrade local analysts' skills.¹⁰⁰

Analysts, strategic analysis in particular, must be able to articulate how likely they think a thing is and to what degree they have confidence in their assessment. In other words, they need to be able to say something along the lines of, "We think it is very likely that this is going to happen," with a high degree of confidence, or say that "we feel that this is very unlikely, but we have a low degree of confidence." Strategic analysts need to be able to have confidence in the accuracy of their opinions. This is so because their assessments are judgments, not fact, and they need to be able to withstand political pressure to manipulate the outcome of their assessments. Analysts need to have the courage of their convictions and the character to stand by them, even when pressured to "re-evaluate" their assessment. Appropriate education, not just training, will help provide the needed confidence.

One complaint — commonly brought up throughout all the interviews related to analysts and their training — was the accessibility of databases. It is not unusual for an analyst to have to run over fifty different databases to complete an investigative check on a tip or a lead. There are efforts underway (Cop Link) to integrate the various jurisdictions' record management systems so that one query could run all the databases. Everyone queried on this point energetically supported this concept. It was also discovered that a civilian contract analyst retired from law enforcement with a top-secret, secure compartmentalized information clearance (TS SCI) could not access the California law enforcement teletype system (CLETS), but a entry-level clerk in any law enforcement agency would have unrestricted access to the same database.¹⁰¹

¹⁰⁰ Personal communication with a confidential source who is a career intelligence analyst.

¹⁰¹ Mike Sena, Commander, Northern California Regional Terrorism Threat Assessment Center, interview, November 19, 2007.

C. INTELLIGENCE DISSEMINATION

Dissemination has two distinct and very important components. The first is *who* it is disseminated to, the second is *how* it is disseminated. Possession of intelligence has no value unless that intelligence gets to people who can put it to use. Therefore, it is important for intelligence to reach as wide a range of personnel as possible without compromising the integrity of that information, particularly sources and methods. There is some controversy in the emergency responder community about the dissemination of unclassified information.

Many documents are prepared and released at the Law Enforcement Sensitive level (LES) while others are prepared and released at the For Official Use Only level (FOUO). The distinction is that firefighters and other non-law enforcement emergency responder partners will be unable to receive LES distributions, while all in the ER community should be clear to receive FOUO information. The release of material at the LES level has caused some dissension between the fire and law communities.

Three main issues are raised in the FOUO/LES controversy. The first issue is *need to know*; the producers of some intelligence product feel some information that they produce should be restricted to law enforcement on a need-to-know basis to protect aspects of the inquiry or investigation. The counterargument is that LES distribution is so widely disseminated, with no true legal controls, that this information is compromised as soon as it is disseminated.

The second issue is one of cultural differences between law enforcement and fire personnel. The argument goes that law enforcement is more familiar with investigations and the need for secrecy and confidentiality, whereas fire personnel who have not been exposed to the cultural need for secrecy are less concerned with controlling the access of information to unauthorized recipients. This position is generally supported by anecdotal reports, which can cite violations in either camp. An illustration is the position held by Tim Johnstone, Sacramento RTTAC Commander, when he said that we needed to vet the product to the audience. Cops will continue to get a higher degree of information and intelligence, and there will be a need to scrub intelligence for fire to get what they need

without worrying about the loss of secrets. He also noted that it was just a function of education and time before the fire personnel were where they needed to be on information security and control. He also cited an incident in which a fire department employee released a FOUO document to the local press, which caused some concern and tension. The problem was addressed and has not recurred.¹⁰²

The third issue is created by what is called *originator control*. This is the principle that if an agency or entity produces and disseminates information or intelligence at a certain level, that information or intelligence cannot be disseminated at a lower level. Therefore, if a local agency receives information at the LES level, they have no recourse but to honor that level of classification and disseminate at the same level. It is possible to go back to the originator for permission to re-class. This is a timely process, however, and a rare occurrence, as most information is time-sensitive.

Greg Ladas, TLO administrator for the Sacramento RTTAC, agrees that these issues cause problems with dissemination. The Sacramento RTTAC Fire and Law TLOs currently receive e-mail distributions of intelligence, but they are on different lists to respect the handling caveats associated with different distribution levels, specifically LES and FOUO. Ladas stated that even though there are not legal sanctions the intelligence community is one of trust, and if a center does not respect the handling caveats they will be shut off from further intelligence. A common problem with dissemination, most frequently associated with federal documents (although the problem is widespread), is the dual labeling of a document with LES and FOUO. This dual labeling precludes the dissemination of this product to anyone other than law enforcement, which restricts the audience and potential effectiveness.

Another related problem that is frequently cited is that of over-classification of documents. Ladas mentioned that this is a common problem, which he attributes to misunderstanding the need or audience; also, a fear of classifying a document too low leads some to automatically classify at the higher level.¹⁰³

¹⁰² Johnstone, interview, November 29, 2007.

¹⁰³ Greg Ladas, Sergeant, Sacramento County Sheriff's Department, RTTAC TLO Manager, interview, January 3, 2008.

The survey data gives weight to the need to resolve this controversy. Two of the five fusion centers produce between 25 and 50 percent of their product at the LES level, and a third fusion center produced 50 to 75 percent of their product at the LES level. The remaining two fusion centers produce between 10 and 25 percent of their product at the LES level. It is clear that a great deal of information is being produced and disseminated at the LES level. It would be in the best interest of an “information sharing environment” to minimize LES dissemination unless it is absolutely called for. While there is a need for LES products, guidelines for the decision to disseminate at the LES level vs. the FOUO level should be developed and enforced so that this classification is not being used out of habit or out of cultural bias.

THIS PAGE INTENTIONALLY LEFT BLANK

IV. ANALYSIS OF CURRENT PRACTICES FOR DATA COLLECTION

A great deal has been written about fusion centers and the need to involve our emergency responder community, particularly law enforcement. Much less has been written about how we are actually going to engage this community of responders. What is clear is that for local fusion centers to produce locally relevant and actionable product, they will need to gain as complete a picture as possible, which will require the collection of information by local emergency responders. This information may be the result of a vehicle stop, a community contact, a building inspection, or an emergency medical response. The ER community needs to be aware that it has the “duty as assigned” to be observant for “indicators,” and then relay that information.

The majority of recent attempts by radical jihadist terrorists were the result of a domestic cell. These threats come in many forms, such as radicalized prisoners, homegrown jihadists motivated by the al Qaeda ideology, environmental terrorists, and a host of single-issue terrorists such as Timothy McVeigh. Both the federal partners and the state and local partners have significant contributions to make toward providing for the collective security of the homeland. These partnerships will be optimized by personal networks and collaborative partnerships that reduce and/or eliminate duplication, and, by relying on each other’s strengths, produce a far better prevention posture than that which could be accomplished independently.

While there are hundreds of thousands of law enforcement officers across the country, we must not be blinded to the potential contribution of the rest of the emergency responder community, particularly fire, EMS and public health. Also, law enforcement must overcome the bias that they alone have the absolute responsibility and obligation for the domestic protection of the nation. The fire service particularly, but also the medical field, public health and the many other disciplines within the emergency responder community possess a wide variety of opportunities for interaction and intelligence collection. It will take more than inclusion by the law enforcement community to exploit

these resources. The culture of many of these resources is geared toward patient privacy and is counter to intelligence or information collection. This area requires attention and education.

A. EMERGENCY RESPONDERS

Data collection for emergency responders is an under-appreciated and under-utilized resource. Homeland Security strategies are resplendent with references for the need to have law enforcement and other responder disciplines collect information, but there is little concrete or readily available data to show where or how that is being done. That this is important, there can be little doubt; what is in doubt is how to achieve this end and what results have been garnered with what programs.

If one accepts the premise that data collection for ERs, from either an all crimes or purely terrorist (transnational or domestic) perspective can support the protection of our country or materially assist in a prevention mode, then one must look to what methods are best utilized to collect this data. Law enforcement has the distinction of generally having primacy in the role of managing fusion centers, as well as participating in other aspects of the counterterrorist effort on the domestic home front. Even with that perspective, law enforcement still faces the challenge of reporting relevant information in a timely fashion that may lead to the interdiction or disruption of a terrorist act or plot.

To rectify the situation, the ER community needs to be sold on the *value* of local fusion centers and the value added potential that they possess, as well as the *need* to be observant, have sufficient *situational awareness* to be aware of what to report and have appropriate *reporting mechanisms*. A re-occurring theme, that has played itself out several times, is to create a need amongst the emergency responder community that their input has value, and indeed, may be necessary. Many sources have cited terrorism fatigue — or the long gap in time since our last domestic attack — as a potential causal factor for the ER community to be less than diligent in their observations of potential terrorist activity and/or reporting it.

1. Value of ER Data Collection

The results from survey clearly show that fusion centers receive the majority of their source data from local agencies. The survey also reported that 80 percent of the fusion centers felt that the ER community is not being appropriately utilized as a data source. FBI's Steve Oda, LA RTTAC co-manager, supports these conclusions stating that the value of the ER data collection is huge and that to collect local ER data, the LA RTTAC utilizes the TLO program, which is a big priority within the RTTAC. Oda feels the TLO program was very much a work-in-progress as were, probably, most others. He believes that the RTTAC was undoubtedly missing out on intelligence and that to counter that they are engaging in a vigorous education program, attempting to recruit and train more TLOs, formalizing the training, creating more outreach, particularly outside the county of LA, and finally, redoubling their efforts to ensure feedback to those reporting information. One way they have done this has been to assign every tip a tracking number to ensure feedback and to enhance the ability to connect follow-up tips.¹⁰⁴

The value of ER data collection was also underscored in the recent analyst training in Monterey. The group consensus of the analysts attending the training was that the analysts assigned to the RTTAC and the STTAC could not produce an intelligence estimate for California because they lack sufficient threat data. One of the key areas that they felt they were lacking was data from the field. The non-reported incidents were felt to be a significant area that created a hole in the threat picture.¹⁰⁵

Phil Bodenhorn, FBI FIG supervisor, reinforces the need for first responders to collect data that he describes as "crucial." He goes on to describe first responders more as "first preventers" who need to be made aware of standing intelligence requirements in order to maximize the opportunity to gain as much information as possible, declaiming "our net work must be theirs."¹⁰⁶

¹⁰⁴ Oda, interview.

¹⁰⁵ Analyst Training Seminar, Monterey, California.

¹⁰⁶ Bodenhorn, interview.

2. Establishing a Need

There is the appearance of a sense of complacency that has settled over the country, due in part to the gap in attacks, and also, in many respects, to the fact that local administrators, and the ER community as a whole, may feel that a terrorist event will not occur in their jurisdiction. Even in the law enforcement community, which is arguably more prone to supporting and reporting terrorist-related activity, there has been a deficit in any feeling or understanding of the *need* to report terrorist activity. In fact, many chief executives of law enforcement agencies have expressed the desire for greater intelligence on criminal gang activity in their jurisdiction rather than that of counter-terrorist information.¹⁰⁷

That a threat continues to exist is, as some have called it, a predictable surprise. The eventuality of an attack is almost certain, but the where and the how are unknown. This position is supported by Brian Jenkins, in his testimony before the House of Representatives when he said:

But, we have not prevented jihadist leaders from communicating, blunted their message, or effectively countered their ability to radicalize and recruit angry young men. Our attention must the shift to local conspiracies, which may operate below our intelligence radar. This increases the importance of domestic intelligence-collection and the role of local police.¹⁰⁸

To establish an acceptable level of “need” within the ER community, homeland security professionals will have to educate the public, administrators and the ER community without creating a sense of fear or foreboding. This education should also incorporate a realistic expectation of homeland security prevention and not entrap the protection mission with the myth of being able to stop all attacks. Everything is subject

¹⁰⁷ Police Executive Research Forum, California Focus Group on Fusion Centers Agency Heads Meeting, Norwalk, California, August 30, 2007, Executive Focus Group. Several of the executives at this meeting voiced concern for criminal intelligence, particularly gang intelligence as a greater need than counterterrorist intelligence.

¹⁰⁸ Jenkins, testimony before the Committee on Appropriations Subcommittee on Homeland Security United States House of Representatives, January 30, 2007, 1.

to prioritization and we cannot let terrorists bankrupt our economies or our way of life by trying to prevent every foreseeable eventuality.

It is also appropriate to recognize and address the need for ER administrators to enhance their information sharing and investigative capabilities in regional threats such as gangs, narcotics, financial crimes and other major types of crime impacting local communities. Chief Braziel expands on this by offering known threats that have a regional base of operations and are a physical threat to the community. He feels that a regional and targeted gang analysis, by the fusion center, would generate a sense of need and involvement from the line-level law enforcement officers and their administrators. This base of support and success could be used to further counter terrorist efforts by demonstrating a locally actionable product.¹⁰⁹

3. Situational Awareness

One way to demonstrate the need described above is to educate elected officials, ER administrators and the ER community on situational awareness. Hand-in-hand with developing a need to report is knowing *what* to report. Having too much data reported can be as bad, and maybe worse, than not enough data. It would be counter-productive to create a suspicious atmosphere, in place of an informed one, that encouraged stereotypical reporting. Ill-informed reporting may not only overwhelm the system, but alienate those that have done no wrong, creating fear and mistrust in those we want most to trust us. The ER community needs to be educated about what pre-incident indicators are, with examples, and gain an overall situational perspective on terrorist operational methodology so that they may be alert for behavior, literature, or items of interest.

The vast majority of ERs will notice whether something is amiss; we just need to provide them enough education to give context or form to what they are seeing. The level of education that we are speaking about will not require a significant amount of time; what is required is enough information to give the emergency responder community confidence to report suspicious behavior. The ER community, particularly the non law

¹⁰⁹ Braziel, interview.

enforcement community, needs to recognize that forwarding a tip is not an indictment, and that no onus is attached if an observation turns out to be merely innocent behavior. Situational awareness training can be provided in one-day classes, seminars, roll-call training or online, and need not be done all at one time. Indeed, this education should be considered a perishable skill and refreshed, perhaps annually. The training could be reinforced with the use of terrorism liaison officers, which will be discussed below.

As has been reported the evidence from the survey indicates that the lack of situational awareness by the ER community is a problem. Lt. Johnstone, Sacramento RTTAC commanders' observations on his assessment of the regions situational awareness are evident in his comment: the situational awareness for law enforcement is at a bare-bones level. And it's even worse for the emergency responder community.¹¹⁰

4. Reporting Mechanism

It is interesting to note that the responders to the survey stated that reporting mechanisms are available and user-friendly, and that there is potentially valuable information residing in the ER community, but that the ER community seems to be failing to take advantage of reporting opportunities. It is quite possible that the reporting system is not as user-friendly, available or widely known as the fusion center managers had hoped. (It is also likely that poor situational awareness has contributed to the under-reporting).

Once a member of the ER community has information that he or she feels should be reported, he or she can use one of several methods to report potential terrorist activity. Currently, most tips can be reported on 800 numbers, fusion center-sponsored websites, terrorism liaison officers (if one exists in your agency), a terrorism early warning group (if one is available to you), via the normal reporting procedure in your local law enforcement agency, or directly to any FBI field office or agent.

Due to the specialized nature of terrorism, many of the earlier versions or methods of reporting terrorism were conducted along the lines of social networks. While social

¹¹⁰Johnstone, interview.

networks are critical, they need to be bolstered with sufficient technology to ensure rapid and seamless reporting that does not rely on an individual, which may become a single point of failure in the reporting chain. During the course of conducting interviews for this thesis, it was reported that a tip from a TLO was left on a desk and was not acted on until after the subject, who was on a watch list, left the country.

Two of the fusion centers, the Los Angeles JRIC (RTTAC) and the Northern California RTTAC both have websites that have a link to a tip and lead form that can be filled out online and sent in to the fusion center. This method appears to be working well and has great promise and capability, including the capability for the public to send in tips or leads. One problem with this is that the local TLO officer will very likely not have any information on activity that may be happening and reported on in his or her area of responsibility.

The Sacramento RTTAC currently uses the TLO program as their primary means of conducting education and awareness about the program, as well as relaying tips and leads from the field to the fusion center. One problem with this is, as stated above, this can create a single point of failure. If the TLO that the officers are used to working with is on vacation, takes days off, or transfers, that information may not be relayed in a timely fashion, or at all. The Sacramento RTTAC is exploring a website reporting systems similar to the Northern California and the LA RTTAC's system.

Another problem common to most reporting mechanisms is how does one report suspicious activity to one's own investigative unit as well as to the fusion center? If the tip is not obviously terrorism, merely suspicious, but is clearly a violation of the law, a financial crime for example, how would one report that information so that both agencies remain aware of the potential crime? Also, how does one remove the conflict for the potential for duplication of investigations and interfering with each other's investigation? An additional problem is that law enforcement officers and others in the ER community may reduce their level of reporting if they have to report the same information multiple times to different entities.

Closing the loop on reporting tips and leads to the RTTAC is feedback from the RTTAC to the tipster. Each of the RTTAC commanders that were interviewed felt strongly about getting feedback to the emergency responder (generally fire or law) that made the referral. While not all had a formal process, it was a matter of standard operating procedure to acknowledge those who provided information. The LA RTTAC has a unit whose responsibility it is to perform this function, the Investigative Liaison Unit. The LA RTTAC also publishes a weekly “Tips and Leads” sheet that shows what tips have come in as a way to share information and generate interest, as well as acknowledgement.¹¹¹

B. DATA COLLECTION

1. Terrorism Liaison Officer (TLO) Programs

If fusion centers are to operate as effectively as they can, they will need to have timely data that is collected locally. One method would be to use the law enforcement or emergency responder community as data collectors. That raises the question: How do you train an entire police force, nationwide, on pre-incident indicators? How do you keep those perishable skills current in an environment that will rarely allow the officer to practice what he or she has been taught? One answer is the TLO program, which provides for a few officers to receive in-depth and recurring training to function as a resource or a point of contact for other officers in his or her department.

a. Overview of Sacramento RTTAC TLOs

The Sacramento Regional Office of Homeland Security (SROHS) and the Sacramento RTTAC facilitated a forty-hour training course for TLOs within the RTTACs region (34 counties & 88,000 square miles) that hundreds of officers attended. One year after the program, the RTTAC was still receiving a minimal number of tips or leads from the officers that had undergone the training. A complete review of the training and program was conducted. The training course itself was judged to be superior (although

¹¹¹ Galarneau, interview.

some modest changes were made to the course). The training program consisted of a five-day overview and situational awareness of domestic and transnational terrorist methodologies and ideology. The course content was thorough, well received and well rated.

An objective review of the program revealed several shortcomings. First, the TLO training was rolled out ahead of the TLO program itself. Secondly, agency administrators within the RTTAC region were largely unaware of the program, did not know the benefits of the program or what the expectation for their participation might be, or, what level of commitment would be expected. Third, the training was announced via the normal training announcement system, and officers self-selected to go to the training without administrative support or time commitments. Fourth, what was not included in the curriculum was how the TLOs were to operate within their own agencies or in relation to the RTTAC. What had been done gave the officers a fine orientation on terrorism and then sent them back to their agencies without adequate support or operational instruction. According to Tim Johnstone, the RTTAC Commander, training had been provided to 475 TLOs without adequate forethought, as a knee jerk response to the need to provide and collect intelligence. A re-organization was in order.

The Sacramento RTTAC collaborated with the U.S. Attorney's Office training coordinator for the U. S. Eastern District for California, Jim Day. Jim Day had spent the majority of his career in the thirty-four counties of the RTTAC jurisdiction and knew almost every chief of police and sheriff in that region. With his assistance, the RTTAC, represented by Lt. Tim Johnstone, Sergeant Greg Ladas, and Jim Day scheduled appointments to meet with the chiefs of police and sheriffs in virtually every jurisdiction within thirty-four counties to explain the program, its potential benefits and the level of commitment (which was minimal) that would be required for their agency to participate. Because of this level of personal outreach, the program was well received and a much greater degree of commitment and involvement was gained from the law enforcement executives. The head of each law enforcement agency that was participating in the TLO program was asked to nominate a candidate. This way, it was felt, the TLO program would have a greater buy-in from the agencies, since they had a direct hand in selecting

the personnel that would become the TLO officers and represent their agency. And, perhaps more importantly, it was expected that agency heads would nominate a candidate that they had confidence in, and they would be able to fulfill the role of liaison to the agency's administrators, in addition to acting as a point of contact and reference for front-line officers. In support of this, Greg Ladas stated that agency heads would often say something similar to: I didn't know this person was a TLO; he is not a good fit for our agency. Once personal contact was made, and expectations and commitments were made clear, the program support increased appreciably.

The original TLO training course was forty hours. The course was shortened to twenty-four hours and a separate, stand-alone one-day course was added to the program. The one-day course consisted of an orientation to the TLO program and it trained the officers on how to function as a TLO. The roles and responsibilities of the position were outlined and they were given guidance in how to liaison with their administrators, how to interact with the line level officers, and how to interact with the RTTAC. The TLOs received training in the handling of sensitive information and in reporting tips and leads. The role of the Sacramento TLO was to be a point of contact and a resource for the line officers, conduct roll call training, be a conduit to relay tips and leads from the officers to the TLO coordinator (who in turn relays that information to the RTTAC), and act as a liaison to their agency in matters regarding terrorism. Prior to the training, the RTTAC had sent out a form for each agency executive to nominate the TLO; these had to be provided to RTTAC at the time of TLO training. The TLOs were also required to sign a nondisclosure agreement stating that they would handle the FOUO and Law Enforcement Sensitive (LES) information as had been instructed in class.

The reporting system for tips and leads in the Sacramento RTTAC consists of officers or line-level personnel who discover information that does not require an immediate response to report that information to the TLO. (Each county will have at least one TLO coordinator and several TLOs). The TLO will report tips and leads to the TLO coordinator who will then relay that information to the RTTAC.

TLOs were also encouraged to establish terrorism early-warning groups (TEWG) within their counties. They received basic information on the TEWG concept,

with more training scheduled for the future. TLOs were also encouraged to attend, and offered priority reservations, for training in the Automated Critical Asset Management System (ACAMS) and the Enhanced Threat and Risk Assessment (ETRA) class. Once the TLOs receive this training, they will be encouraged to conduct ACAMS assessments in their jurisdictions on critical infrastructure. The RTTAC maintains a list of critical infrastructure locations that will help TLOs identify and prioritize sites that need assessments.

The Sacramento RTTAC TLO program is approximately six months into this re-organization. While the program still has some hurdles to overcome, there has been a noticeable increase, not only in the quality, but in the quantity of tips and leads.¹¹²

The Sacramento RTTAC has a re-vitalized Fire TLO program underway as well. Sacramento Metro Fire Bn Chief Mark Wells and Captain Scott Cockrum have formed a working group to determine what information fire administrators and firefighters need, and how best to relay that information. The group is also developing a reporting format for firefighters to forward tips and leads to the RTTAC. Currently, the system is informal and handled on a case-by-case basis. By involving the fire community in identifying their own needs and procedures, a greater degree of involvement and support is anticipated. They are also reviewing the consumption potential for the firefighters and administrators. At what rate, and how much intelligence is needed, and how will it best be assimilated are the issues they are dealing with.¹¹³ Most fire departments also have HIPPA issues, as many of their personnel are also EMS and have additional reporting restrictions (which will be discussed below).

¹¹² Personal communication throughout most of 2007 with RTTAC Commander Tim Johnstone, TLO coordinator Greg Ladas, Metro Fire Captain Scott Cockrum, and U.S. Attorney training coordinator Jim Day.

¹¹³ Mark Wells, Bn, Chief Sacramento Metro Fire Department, TLO Coordinator, interview, December 20, 2007.

The Public Health Department, which has representatives co-located in the same facility as the RTTAC, is in the very beginning stages of developing a TLO program in the public health EMS/medical field. This program will establish a TEWG within the public health/medical community.

One of the identified shortcomings of the Sacramento TLO program is the reliance on the TLOs as a conduit for the tips and leads from the officers making observations to the TLO coordinator and to the RTTAC. First, information is fourth hand by the time it gets to the RTTAC. Secondly, the reporting system is a single chain of individuals with no redundant or back-up reporting mechanism. Any point in the chain could be a point of failure and the information would not be received. In the event a TLO or TLO coordinator was on vacation, had days off, was unmotivated or overloaded with other duties, the potential for a tip or lead to be delayed, misplaced or simply not forwarded is quite likely. Third, turnover of TLOs, due to rotation of assignments and promotions, will make it difficult for the line officers to know exactly who their TLO is at any given time. The turnover issue will also make it difficult to keep an adequate number of TLOs to facilitate the unimpeded flow of information.

A recognized potential solution would be a web-based reporting system similar to that which the Los Angeles RTTAC (LA JRIC) and the Bay Area RTTAC currently use. Both systems are widely available, not only to the ER community, but also to the public, and are quite simple to use.

b. Overview of the LA TLO Program

The Los Angeles TLO program is operated out of the LA RTTAC or the LA JRIC (the LA fusion center was originally called the Joint Regional Intelligence Center, JRIC and the terms have become synonymous). Prior to the TLO program, information-sharing relating to terrorism was conducted on a personal relationship one-to-one basis, which is clearly not efficient in a jurisdiction the size and complexity of Los Angeles. The TLO program has expanded from Los Angeles County to include a total of seven counties; in addition to LA County, the RTTAC represents Orange County, Santa

Barbara County, Riverside County, San Bernardino County, San Luis Obispo County, and Ventura County. There are over 200 TLOs in the Los Angeles PD and Los Angeles County Sheriff's Department. The LA RTTAC supports approximately 500 TLOs.

With only one law enforcement TLO coordinator for the entire RTTAC, individual personal contact is severely limited and restricts the role of the LA RTTAC TLO coordinator from facilitator to one of administrator. This lack of personal contact is being mitigated by establishing lead TLOs for each of the eight mutual aid regions within the jurisdiction of the RTTAC to act as local coordinators. Each county within the RTTAC has also designated TLO coordinators to facilitate the program. These TLO coordinators facilitate the program and give local agencies a local contact that is seen as one of their own and not a remote figure from a "parent" agency. The dissemination of information from the RTTAC to the TLO is conducted via e-mail groups. It is the responsibility of each individual TLO to serve as a point of contact and/or reference to officers in his or her department. Reporting back to the RTTAC is done via the website www.tlo.org. The website has graduated access from public domain to restricted to TLOs requiring a log-in. There is also a link for public reporting.¹¹⁴

To minimize any potential loss of intelligence, the LA RTTAC has tried to establish TLOs in most significant investigative units, generally the detective sergeant or the lead detective. The intent is that as they review incoming reports, they can make note of information that may be relevant to the RTTAC and forward that information.¹¹⁵ As with many other agencies, and exacerbated in a program the size of LA's, maintaining a knowledgeable and trained cadre of TLOs will be an ongoing challenge. The turnover and lack of training was apparent in a forum sponsored by the Police Executive Research Forum at the LA RTTAC, which was attended by TLOs in the LA region. Many of the

¹¹⁴ Pete Jackson, Sergeant, LA County Sheriff's Department, LA RTTAC TLO Coordinator, interview, December 3, 2007.

¹¹⁵ Galarneau, interview. The overview of the LA TLO program is based on the interview with LA RTTAC co-manager Robert Galarneau and LA RTTAC TLO manager Pete Jackson.

TLOs that attended the meeting had not yet received any specialized training and several TLOs had just been given the job with very little understanding of what the job was or how to do it.¹¹⁶

c. Overview of the Northern California (NC) TLO Program

The Northern California (Greater San Francisco Bay Area) TLO program is organized in a fashion similar to the LA and Sacramento programs. In the NC TLO program, officers volunteer for the position and get approval from their chain of command. Briefing information and bulletins are made by way of postings to their website, which requires a log-on for different levels of access. The website, www.ncrttac.org, also serves as a reporting mechanism for tips and leads from the TLOs as well as the public. However, the NC RTTAC TLOs do not receive bulletins or briefing information via e-mail as San Francisco police officers do not have e-mail accounts. In order to mitigate this obstacle, the NC RTTAC utilizes an alerting network, Roam Secure alert network. This commercial system sends out paging notifications on emerging events or other bulletins.

The NC RTTAC is experiencing the same problem with TLO turnover as the other jurisdictions. They are finding a need to constantly train TLOs. The RTTAC, according to Commander Mike Sena, feels that they are losing information as there are break-downs in the system, particularly with so many different responder jurisdictions and disciplines, each with their own distinct cultures.

The role of the NC RTTAC TLO is to act as an intelligence liaison officer; the goal is to create informant networks. Getting the ER community to respond has been slow but it is a necessary task. Sena feels that the lack of recent successful attacks has minimized the priority for observance and reporting in the mind of the public and the ER community, stating, “We need to educate without terrifying them.”¹¹⁷

¹¹⁶ Police Executive Research Forum, personal observation.

¹¹⁷ The overview of the NC TLO program is based on the interview with the RTTAC commander Mike Sena.

d. Overview of the San Diego TLO Program

The San Diego TLO program falls under the purview of the RTTAC along with critical infrastructure protection and analytical strategic support for the region. The program is currently under reorganization. A year ago, the program was very disjointed and not very well structured. The San Diego RTTAC is now assuming responsibility for organizing the program and is focusing first on law enforcement, and will then direct its efforts toward fire, EMS, public health and finally, the public sector. Virtually every law enforcement agency in the San Diego RTTAC jurisdiction has a representative in the TLO program.

One of the main functions of the RTTAC is to support the TLO program and the TLOs. This support is in the form of providing information and intelligence to the TLO officers who, in turn, are expected to provide that information to the officers within his or her department. Information comes in the form of bulletins with specific information and strategic pieces of intelligence that describe trends and more generalized intelligence.

TLOs are not expected to be investigators or even information collectors per se, but are expected to “push and pull” information between the field and the RTTAC. Their role is to be the facilitators of the program demonstrating a need to collect information, and to operate as a point of contact or reference for officers in the field needing extra information or guidance. Currently, all tips and leads go directly to the Joint Terrorism Task Force (JTTF). The JTTF has a link on most departments’ interdepartmental websites and also has the ability to receive information by phone.

Once the TLO program is stabilized in the law enforcement community, the intention of the RTTAC is to extend the program to the other emergency responder communities.¹¹⁸

¹¹⁸ The overview of the San Diego TLO program is based on the interview with San Diego RTTAC commander Lee Yoder, December 10, 2007.

e. Overview of the Arizona TLO Program

The Arizona TLO program is a much more robust and involved program than the others that have been described heretofore. There are two levels of TLO in Arizona and they receive different levels of training, equipment and support. Level A TLOs receive a vehicle, a phone and a laptop computer with secure connectivity equipment and are required to dedicate forty hours a month to the program. Level B TLOs receive the same equipment but no vehicle. They are required to contribute twenty hours a month to the program.

Both levels of TLO are responders with a mandate to respond to any major fire or law incident and perform the intelligence branch function in the Incident Command System (ICS). This system has been in operation for three years and it has been one of the best marketing tools for the TLO program. Local emergency responders are able to regularly see the value of the TLOs as they provide on-scene connectivity and intelligence. There were 212 TLOs in Arizona at last count. They are dispersed throughout Arizona and respond to major incidents, terrorist or otherwise, and act as a liaison to the Arizona Counter Terrorism Information Center. A significant amount of their response capability is geared toward incidents or crimes other than terrorism. However, they are always observant of any nexus to potential terrorist activity. In addition, by making themselves useful, they have created social networks that have encouraged information sharing, which will enhance their ability to receive and pass on information. Finally, they are delivering an immediate and observable service to the emergency responder community within which they operate.¹¹⁹

¹¹⁹ The overview of the Arizona TLO program is based on the interview with Norman Beasley.

2. Terrorism Early Warning Groups (TEWG)

Terrorism early warning groups, as originally conceived in the Los Angeles model¹²⁰ have, for all practical intents and purposes, been subsumed by the RTTACs or the State Terrorism Threat Assessment System. A more basic and perhaps more commonly used version of the TEWG, and one that is used by the Sacramento RTTAC, is the identification of terrorism early-warning groups as communities of specialized knowledge or interest that may be in a position to make observations of potential terrorist activity or be the subject of interest from terrorist groups. The Sacramento RTTAC uses liaison officers as a conduit between the “group” and the RTTAC. In the case of the more traditional ER communities, the liaison officers are referred to as terrorism liaison officers (TLOs), which generally liaise with members of their own organization, in either law enforcement or fire. However, TLOs are being encouraged to develop TEWGs in their geographic area of responsibility with groups that they and their local administrators deem appropriate.

One group, that the Sacramento RTTAC is currently in the process of establishing a TEWG and TLOs with, is the public health department, which will be expanded to the larger medical community. There are an infinite number of groups that could be created as terrorism early-warning groups, such as public works, non-law enforcement government agencies, postal workers, schools, agriculture, community organizations, and the private sector, particularly those that have vulnerability or may be at risk for a potential terrorist attack.

An additional group that the Sacramento RTTAC is developing as a terrorism early warning group collaborates with the FBI's InfraGard¹²¹ program. InfraGard is an association of private sector companies that share information regarding threats, vulnerabilities and mitigation strategies, which is run by the FBI. Because membership

¹²⁰ The Los Angeles terrorism early-warning group has been written about extensively and there are numerous excellent sources for further reference. John Sullivan, the acknowledged architect of the TEW concept has written any number of articles.

¹²¹ For more information on InfraGard, see their website at <http://www.infragard.net/>.

in the organization requires a limited background check, members are allowed to receive Law Enforcement Sensitive (LES) bulletins. The Los Angeles and the Sacramento Infraguard organizations were reported to be robust and beneficial to the respective RTTACs.¹²²

The Sacramento RTTAC is encouraging all of the TLOs in its thirty-four counties to establish TEWGs in their respective jurisdictions. The type and number of TEWGs each TLO establishes will be dependent on the threat picture in that jurisdiction, the infrastructure that may be at risk, and the availability of groups of interest that may be of value in collecting potentially useful intelligence. Each county will be able to assess for itself the needs of its particular jurisdiction, as well as its capability to establish relationships and act as conduits of information between the TEWG and the RTTAC.

Once the TEWG is established, separate group lists can be created to disseminate relevant information to different groups via e-mail. The bias should be a need to share while protecting any necessary confidentiality. The TLO will also have to establish an effective reporting mechanism. Members of the TEWG will need to realize some benefit for their participation and this will most likely come in the form of information that is exchanged between members, the TLO and the RTTAC. This may require the TLO to go to the group to give presentations and assist in security assessments, ACAMS, or other types of awareness training.

The LA RTTAC and the NC RTTAC have extensive standing TEWGs within their jurisdictions. Some terrorism early-warning groups have their own analytical and dissemination systems such as the East Bay terrorism early warning group. A concern here is the potential for stove-piping and duplication of efforts.¹²³

For fusion centers that are strictly counterterrorism, it is very important to establish a TEWG with each of the multiple investigative units in their area of responsibility so that they can be apprised of information of interest as it develops. One

¹²² Fusion Analyst Training Conference, Monterey, California, January 23, 2008, personal communication.

¹²³ Sena, interview.

way for the law enforcement community to gain information from the investigators, or from law enforcement in general, is to establish terrorism early-warning groups with liaisons from members of each of the significant investigative groups from each of the major jurisdictions. For example, the financial crimes unit, or the gang unit, should have liaisons with the fusion centers. In this way, if an investigative unit is working a case and it seems that there is some potential terrorist nexus, the terrorism early-warning group liaison officer should relay that information to the fusion center. This is essentially the role of a TLO. Correspondingly, if the fusion center receives information that may be terrorism, and initial investigation determines it to be purely criminal, then it should be the obligation of the fusion center to relay that information to the appropriate investigative unit via the same liaison officer or other method.

3. Special Considerations for Other ER Communities

It has been widely held and acknowledged that America's emergency responders have a great capacity for interacting with the public they serve much more intimately than their federal counterparts interact. What has been less well understood, until recently, is their potential for contribution to the counterterrorism effort. Engaging the emergency responder community will take outreach, education and networking. Most of the ER disciplines will need the same education as law enforcement on developing a need, demonstrating value, providing situational awareness and making reporting accessible. As many areas are just getting their law enforcement agencies oriented to providing tips and leads, it is understandable that engaging the other disciplines has not been fully engaged or, in some cases, even appreciably underway. It will be prudent, though, to ensure that steps are taken to include the input from the rest of the ER community.

Engaging the medically oriented responder disciplines is an area that needs further study and attention. The greater medical community consisting of fire, Emergency Medical Services (EMS), public health and medical facilities, are not normally disposed to reporting suspicious behavior. They are mandatory reporters, by law, for certain specified crimes, but it requires the force of law to gain compliance. To get the medical community to observe and report on suspicious behavior will be difficult,

but it is a worthwhile endeavor. It will require a substantial amount of education to convince this community of the need and value of reporting. Even more education will be required to make them comfortable with the ethics and legalities of reporting.

This is even more so with EMS, which does not have mandatory reporting requirements and is even prevented from some types of reporting (in California). EMS personnel respond to the scene of the incident and are in a position to see not only the victim, but the environment that created the injury, often before it has been sanitized. The rules for EMS reporting medical information on suspicious incidents are very restrictive, even more so than for doctors or other medical personnel. However, EMS can report on what Petrie describes as “incident indicators” but can not report medical information. There is great value in having EMS report incident indicators but the distinction requires education and the legal ramifications will make many, if not most, EMS personnel uncomfortable.¹²⁴ The ethical considerations will exacerbate the reporting reluctance as well as the disinclination of many of the helping professions to “intrude” in a patient’s privacy. With that said, the potential for useful information makes the effort worthwhile and justifies the reporting attempts.

4. Community-Oriented Policing

One commonly agreed method of prevention is the need for intelligence. Intelligence is a derivative of information, and one of the best sources of information for domestic counterintelligence is, arguably, Human Intelligence (HUMINT). A potential source of human intelligence is Community Oriented Policing (COP); however, this has proven to be an under-utilized tool. To support this, the survey data reported that 60 percent of the fusion centers stated that they received less than 5 percent of tips and leads from COP efforts, with an additional 20 percent stating they received 5 to 10 percent of

¹²⁴ Michael Petrie, “The Use of EMS Personnel as Intelligence Sensors: Critical Issues and Recommended Practices,” *Homeland Security Affairs* III, no. 3 (September 2007), <http://www.hsaj.org/?article=3.3.6>, Last accessed February 11, 2008. This is a very brief comment on Petrie’s article. I would strongly recommend anyone developing an EMS TLO or similar reporting program to read Petrie’s article the *Use of EMS Personnel as Intelligence Sensors: Critical Issues and Recommended Practices*. It is informative, well written and a thorough treatment of this important and complex subject.

their tips or leads from COP. Seventy-five percent of the reporting fusion centers stated that COP was an under-utilized information source. How do we trade on the community capital of goodwill created by COP and how do we make that work in the collection of information useful to counterterrorist action?

The Sacramento Urban Area, and indeed the nation as a whole, has made little attempt to engage the Muslim community in targeted COP programs. There are exceptions, such as Southeastern Michigan, Boston and Southern California,¹²⁵ but as a whole the law enforcement community has relied on COP in general to engage the Muslim community. In defense of law enforcement, limited outreach to the Muslim community is a consequence, in part due to the fact that the Muslim community, in much of the country, does not reside in ethnic enclaves as they do in Europe. Muslims are connected by a religion and often by an ethnicity, but are dispersed throughout our community, and as such, have been difficult to engage with the COP program.

This is due to the consistent and common theme throughout almost all of the literature and practice regarding COP: the interpretation of community as having a definite geographic orientation or boundary. COP in the United States is almost exclusively geographic-centric within well-defined and tightly controlled boundaries determined by jurisdictional, environmental, and economic or social groupings.

Given the geographic dispersal of the majority of the Muslim community, an effective COP program must make a paradigm shift from a geographic-centric orientation to an ideological-centric orientation. Daniel Flynn, in a white paper for the Police Executive Research Forum, discusses the concept of community and non-traditional communities in depth. His paper accurately describes the need to be flexible in identifying a community so as to be able to include groups that share a common character or identity with a common concern or problem. Flynn describes a nontraditional community as:

¹²⁵ Deborah Ramirez, Sasha C. O'Connell, and Rabia Zafar, "Developing Partnerships between Law Enforcement and American Muslim Arab and Sikh Communities A Promising Practices Guide, The Partnering for Prevention and Community Safety Initiative," Northeastern University, 2004, <http://sps.neu.edu>, Last accessed September 20, 2007. This report discusses, in some depth, community outreach practices to the Muslim, Arab and Sikh communities.

The non-traditional community is more than a special interest group or group formed around one issue. The non-traditional community is systemic and consists of a collection or set of groups that share the characteristics of the community. It is not restricted to being residential or residential/business and it need not be located in areas beset with deep-seated chronic high crime rates.¹²⁶

Therefore, a COP program with the aim of ameliorating alienation and disaffection for the Muslim community from the larger community as a whole, and developing contacts that could potentially lead to useful information, will require a new conceptualization of “community.” This is a rather radical departure from the common and current practice and there will be many challenges. However, there is a great need to reach out to the Muslim community, which has its religion and culture inextricably woven together. A re-assessment of community and a fresh set of strategies will help us gain a connection with the Muslim community. It is critical that the primary motivation is to recognize them as valued members of our community and ease the feelings of alienation and the sense of being disconnected from the larger community.

The creation, development and implementation of such a program will be a significant undertaking. The desire to immediately try to turn members of the Muslim community into informants may be tempting, but should be avoided. Information exchanges of that kind requires trust and mutually beneficial relationships (either financial or common cause), particularly when the consequences of providing information could be costly to yourself and your family.

When a COP program is rolled out to the community, we need to make sure that we are providing an environment that creates relationships with the Muslim community that are seen as altruistic and mutually beneficial. Some potential areas to explore would include: 1) a Muslim citizens’ academy; 2) political action groups of some type that would have a community voice and access to administrators and the law enforcement community, as well as local government; 3) the development of youth programs and activities that do not isolate Muslim youth but engage them with other members of the

¹²⁶ Daniel W. Flynn, *Defining the Community in Community Policing*, Police Executive Research Forum, 1998, 8.

community; 4) using the media to recognize positive Muslim events or citizen activities; 5) establish educational forums for the public and law enforcement about the Muslim community in an attempt to try to establish understanding and positive community relations; and, 6) in recognition of the Muslim culture's religious requirement to contribute to charity, a committee could be established to identify charities that have no demonstrable links to terrorism.

Once we have created contacts and relationships built on mutually beneficial activities, the bonds of trust necessary to engage in information sharing will have been established. Potentially useful information will flow, in time, with confidence and trust. If the intelligence collection process is started too soon, our efforts will be seen as thinly disguised self-serving opportunities and will not be well received.

THIS PAGE INTENTIONALLY LEFT BLANK

V. RECOMMENDATIONS FOR FUSION CENTER OPERATION

Prevention is the first goal in the National Strategy for Homeland Security. It can be argued that fusion centers provide an excellent opportunity to for that prevention. For fusion centers to be effective, it will be necessary for elected officials, emergency responders, administrators, and the rank and file emergency responder community to know the value that fusion centers provide. There are many secrets in fusion centers; the *value* of the fusion center must not be kept secret. The following are recommendations based on the findings of this thesis, grouped by fusion center functions:

A. MANAGEMENT

1. Mission

The management of the fusion center should not be left to develop in a haphazard manner with little forethought as to an ultimate strategic plan to achieve the goal of how best to detect or deter a terrorist attack. This was perhaps acceptable in the immediate aftermath of 9/11. However, with time for reflection and thought, it is important to assess the role, function, and responsibilities of fusion centers and to determine how they are managed and what they should produce. Fusion centers will require guidance to accomplish that objective.

One of the first steps should be the development of a governance board. The board should have a cross representation of federal, state and local members, as well as representation from different emergency responder disciplines. Suggested representation should include FBI and U.S. Attorneys' Offices, lead law enforcement executives in the region, and at least one non-law enforcement executive from the emergency responder community. This governance board would ensure a regional approach, collaboration and network with all partners (rather than a parochial orientation directed at one particular agency's priorities), create a network of interdependent jurisdictions and disciplines with a common and acceptable tasking requirement for the fusion center. The centers are essentially law enforcement organizations, but they serve a greater mission that

incorporates the sphere of all the emergency responders and their input will prove valuable, enhancing the intelligence product.

The board should adopt a written memorandum of understanding or similar agreement with a written mission statement. This thesis reaffirms the recommendations found in the FCG guideline three regarding the above recommendations for a governance board; however, it is also recommended that further steps be taken. One of the most important actions the board should take — in addition to determining who the customers of the fusion center are — is to determine the degree of support each customer should be allocated. The common customers of a fusion center are tactical investigative case support (generally for the FBI Joint Terrorism Task Force); criminal case support for major criminal enterprises; general situational awareness for emergency responders; and, strategic situational awareness reports on regional threat assessments for policy makers. The range of support for these different customers' groups is huge, with some working almost exclusively strategic support and some working almost exclusively in support of the JTTF. There is not a right or wrong to any of these approaches, but they should be based on an identified need, supported by a regional threat picture, and authorized by the direction of an involved governance board, reinforced by the mission statement. The scope of work should not be directed simply by "it's what we've always done."

In order to accomplish these goals, the board must have an accurate situational awareness of the threat picture in their area of operation, as well as any particular vulnerability that their region may possess. This will require high-level briefings by qualified personnel.

The board should agree to meet on a regular basis to keep informed and maintain connection with the fusion center and other board members. The board should also recognize that fusion centers are a relatively new phenomenon for domestic law enforcement, keeping in mind the need to be flexible and responsive to changes. Finally, the board needs to ensure that the fusion center is familiar with the mission and is, in fact, adhering to that mission.

Agency heads of law enforcement and fire departments should obtain secret clearances, available through the Department of Homeland Security, so that they may be briefed properly and gain confidence that everything that can or should be shared is being shared.

2. Philosophy

The threat of a terrorist attack has dramatically shifted the focus of local law enforcement. The investigation of terrorism, and the collection and analysis of intelligence to aid in prevention, is a new role for domestic law enforcement; this newness is a major sticking point as to how best to accomplish this obvious but elusive goal.

3. Prevention

It can be argued that prevention may well be the best way to protect one's community. In the immediate aftermath of 9/11, the vast majority of resources were dedicated to strengthening our response capabilities. Prevention as an active goal is a relatively new philosophical position. The benefits of prevention can be demonstrated by illustrating the values of strategic situational awareness for policymakers, tactical case support for counterterrorist efforts, and criminal case support for major crimes that present a real and visible threat to local communities. It is a recommendation of this thesis that educating administrators on the value and benefits of prevention become a specific goal; this is a recommendation that is missing from the FCG.

As part of prevention, a risk management policy needs to be adopted. While this thesis cannot recommend what is the best risk management policy, it is recommended that the issue be addressed, debated and resolved. The issue is: what is an acceptable level of risk within one's community and how does one most effectively and efficiently buy down that risk with the dollars allocated to prevention? The answer to that question is your risk management policy. What must be considered is not only your community's tolerance for risk, but what risks are considered. Will your risk management policy focus exclusively on the prevention and response to the remote threat of a WMD or will you

address the more likely conventional terrorist attack of an improvised explosive device, a vehicle borne improvised explosive device, or a firearm.

Whatever prevention model and risk management positions are taken, they need to be predicated on the threat picture that the fusion center is operating under. Recognizing the local threat picture, keeping aware of the emergent trends as well as investigating and interdicting these threats whenever possible, is a job where the fusion center can make a significant contribution. These threats will necessarily include jihadist ideologies, both the transnational and, more likely, the locally generated homegrown jihadist, but will also include other domestic concerns such as radicalized prisoners, environmental terrorists, right-wing terrorists and other single-issue groups.

4. Tactical vs. Strategic

It is the recommendation of this thesis that the next iteration of the Fusion Center Guidelines addresses and agrees upon the definitions and roles of strategic analyst, strategic analysis, tactical analyst, tactical analysis, criminal analyst and criminal analysis, as there is no current distinction between what is tactical and what strategic. The FCG have a heavy bias toward the tactical, which is not surprising, as the majority of the work in state and local fusion centers is currently being done at the tactical level. However, there is a need for strategic analysis and it should be clearly identified as to what it is and who might be the potential customer.

The staff of the fusion center should reflect the mission and customer support allocations established by the governance board and the director of the fusion center. As it stands, the majority of fusion centers provide more tactical mission support than strategic assessments (tactical as in case support through research, database searches, and link analysis activities, not field operations). Most centers would likely get by with one or two strategic analysts, and as they are much more difficult and expensive to engage and retain, a fusion center should not try to over-staff with expensive personnel that will not be utilized properly. The majority of the analytic support staff ought to be geared toward the greater workload, tactical case support. If a center starts to make more use of strategic analysis, then the staffing should be adjusted accordingly.

The information revealed in this thesis indicates that the overwhelming majority of fusion centers should have some type of all-crime perspective. It should go without saying that any active counterterrorism investigative support should always have a primary role in the fusion center. Most fusion centers already incorporate some type of all-crime posture in their fusion centers.

Elected officials and administrators should also be encouraged to use the tasking capability to have strategic products prepared that are of concern to local officials. This level of customer service and interaction will not only help educate administrators as to the usefulness of the fusion center, but also establish contacts and the beginnings of a network. This increased interaction could lead to increased support and funding.

5. Prioritization

There should be some system or process, either from the governance board or the director, that identifies the prioritization of work to be done. This can be accomplished in the crafting of the standing requirements for the fusion center. There should also be prioritization for case assignment for incoming tips. Not all tips are alike and they should not be treated as such. Some form of metrics should be established to determine the extent of investigation accorded each tip or lead; otherwise, we may well find ourselves doing exhaustive investigations on tips that are months old while neglecting more promising leads on current tips. This concept is generally referred to in FCG guideline two, but should be called out more specifically in future iterations.

6. Leadership

To carry out the mission of the fusion center, the governance board should designate a director who will be responsible and accountable for the operation of the fusion center. The FCG guideline number three states that the governance board should define a management structure to include what entity will oversee the center's operations and daily activities. There is no recommendation on how that should be accomplished; however, consideration should be given to the need for a director to have a wide range of experience in intelligence, law enforcement and the fusion process. More importantly,

the director should have the ability to establish and maintain networks, provide leadership in the fusion center, guide intelligence production, and maintain the standards that are critical to continued and effective intelligence operations. Without the appropriate guidance and leadership, the fusion centers risk misdirection and misapplication of their mission and focus, and could end up producing intelligence products that are irrelevant or inapplicable to their environment. The management style and networking abilities of a director will be at least as important as technical knowledge, which needs to be recognized.

In the emergent and evolving world of counterterrorism, autocratic and hierarchal management styles will be not only ineffective but counter-productive. To operate effectively, the centers will need to be able to operate in a network, sharing information and situational information with various levels of government, jurisdictions, and disciplines, which will not be answerable to each other, requiring a cooperative networked approach to management. It will take a skillful communicator with a recognized degree of credibility and competence to garner the trust necessary to interact with these divergent groups.

There will be some difficulties, especially in locales where there are competing law enforcement jurisdictions vying for control, in deciding who the director will be and from what agency. It will be up to the board to find a person acceptable to all and up to the director to show impartiality in the administration of his or her office.

B. ANALYSTS

Fusion center managers need to make the distinction between strategic analysts and tactical analysts. The strategic analysts are generally persons with graduate degrees and years of experience, able to make predictive assessments from a broad range of domain expertise. Tactical analysts conduct post-event research and assist with case-support functions. Both are valuable and necessary skills sets but serve very different missions. The center needs to staff appropriately so that each category of analyst is performing the function it is trained and qualified to conduct.

Strategic analysts will almost certainly be civilian employees. Tactical analysts can be civilian or they can be law enforcement officers, and occasionally from other ER disciplines. However, it takes training and the correct aptitude to be a tactical analyst; it is not a plug-and-play operation at which all law enforcement personnel will be adept. Additionally, sworn officer analysts will rotate for career development or promotions. A high analyst turnover will almost guarantee a constant state of training and diminished capacity as staff will not only have to be trained in job functions, but wait for top secret clearances before they can work on any significant projects. The turnover will also affect historical continuity. For these reasons, a fusion center should have a high percentage of its analyst staff as career civilian employees. Requiring and enforcing a minimum term, as recommended by the NCISP, is another good idea to maintain a qualified analytical pool.

It is noteworthy to observe, however, that the training that most analysts have received has been from professional organizations dedicated to the profession of *law enforcement* criminal intelligence. It is also noteworthy to observe that the Fusion Center Guidelines are based on the *criminal intelligence process*. It is therefore not surprising when the CRS report notes that most fusion centers are not operating as true intelligence fusion centers¹²⁷ but as criminal analyst centers. It may well be the case that this is so because the greater need is for tactical analysis versus strategic analysis in the state and local fusion centers.

C. DISSEMINATION

In order to facilitate the dissemination of information on as wide a distribution level as possible, the fusion center needs to write their proprietary product at a “for official use only” (FOUO) tear line. This will ensure the widest possible distribution to the greatest number of emergency responder disciplines as well as individual responders. Wherever possible, the fusion center should avoid writing product that is classified as secret or higher. The classification “law enforcement sensitive” (LES) should be used very judiciously, and should have written protocols to use as guidelines to prevent routine

¹²⁷ Masse et al., *CRS report for Congress*, Summary.

use of LES. The classification distinction between “for official use only” and “law enforcement sensitive” is, in many respects, one of semantics. However, what it does is restrict the access of information to fire personnel and all the other emergency responder disciplines. This classification should be avoided unless there is information that would compromise a criminal investigation, in which case distribution would be severely limited at whatever classification. The law enforcement sensitive classification restricts potential distribution and the resultant potential return of information and creates a contentious relationship with our partners. The center should also encourage originators of products received to avoid LES where possible; this is an issue not addressed by the FCG.

To continue and expand the flow of information, the fusion center needs to acknowledge the individual emergency responder when he or she provides a tip or lead. It is imperative to acknowledge this information whether or not it is ultimately proven to be useful. In fact, the center should not wait until it determines the value of the tip before the contribution is acknowledged. This acknowledgment should be automatic upon information being provided and the tipster should receive a reply from the fusion center with some generic information as to the outcome of the tip. It can be as innocuous as: this information supports an ongoing investigation, this information is filed at this time, or this information is being reviewed.

The center does not need to reveal sources or methods to acknowledge those that are assisting by providing information. An effort on the part of the fusion center to involve and acknowledge the emergency responder community will greatly enhance the participation of that group in the collection of raw data to be analyzed.

The most common and effective means of distributing information bulletins to the emergency responder community seems to be e-mail. All jurisdictions should make every effort to insure that their personnel have access to e-mail.

The FCGs identify the need for dissemination in both the intelligence process and the fusion process but the issue of consumption is not addressed. Production of intelligence product needs to take into consideration who the end user will be for what

product, and what will be the best form to convey that information to maximize assimilation. Another issue not addressed by the FCGs is the need for the end user of each category of product to provide feedback to the analysts and the fusion center management.

D. SUMMARY OF FUSION CENTER RECOMMENDATIONS

- Governance board should determine who the customers are
- Governance board should direct, with fusion center manager input, the level of support for each customer, i.e. tactical case support vs. strategic situational awareness
- Identify the workload for strategic vs. tactical analysts
- Educate local ER administrators on the value of prevention
- Provide situational awareness to ER administrators so that an objective risk management policy can be adopted
- The next iteration of the Fusion Center Guidelines should define and develop specific roles for strategic analyst, tactical analyst and crime analyst
- In the interim fusion centers should define the duties and role of strategic, tactical and crime analysts within their own organizations
- Provide analyst training relevant to their role and future development
- Maintain a high percentage of civilian analysts
- Provide sufficient situational awareness to the ER community so that they will recognize and report terrorist pre incident indicators when they are observed
- Provide and advertise tip and lead reporting mechanisms that are available and user friendly

- Provide an all crimes perspective, while recognizing the counter terrorism mission is primary
- Encourage ER administrators to use their tasking capability to have strategic products prepared that are of concern to local officials
- An objective system of prioritization should be established to determine the extent of investigation accorded each tip or lead
- Each fusion center should have a director; the management style and networking abilities of a director will be at least as important as technical knowledge
- Write and disseminate intelligence product, to the extent possible, at “for official use only” (FOUO)
- The classification "law enforcement sensitive" (LES) should be used very judiciously, and should have written protocols
- The Fusion Center Guidelines should include the issue of intelligence consumption when discussing dissemination
- The Fusion Center Guidelines should include end user feedback for all intelligence products in the next iteration

VI. RECOMMENDATION FOR DATA COLLECTION

As often repeated throughout this thesis, if fusion centers are to become valuable to local elected officials, emergency responder administrators, and emergency responder line-personnel, they must produce timely, relevant and locally actionable intelligence product. To produce locally actionable intelligence, the fusion center will have to not only analyze data from a variety of classified databases and a huge glut of open source data, but also integrate information collected locally from the regional emergency responders to synthesize a final product.

A. TERRORISM LIAISON OFFICERS

One of the best ways to gather this intelligence is with the creation and development of a robust terrorism liaison officer (TLO) program. These programs most generally start with law enforcement and move into the other emergency responder disciplines addressing the unique issues of each discipline in turn. Prior to initiating a TLO program, those responsible for implementing it should contact the ER administrators in the region explaining the program benefits and the amount of resources those administrators can be expected to contribute; this is normally a nominal amount of resources.

Once administrators have agreed to commit to the program, they should recommend which officers to nominate as TLOs, particularly the TLO coordinator, should a coordinator be designated for that agency. The TLOs must have access to the management of their individual organizations as well as credibility with and access to the rank-and-file of their respective organizations. TLOs should receive training in basic situational awareness of terrorist methods of operation and pre-incident indicators. TLOs should also receive training on how to facilitate the TLO program back in their jurisdiction.

The roles and responsibilities for TLOs must be established and clearly articulated so that people understand what their jobs are, and equally important, what they are not.

Most TLO programs have established the role of the TLO to be a point of reference and a contact for his or her fellow officers or firefighters. Some, as in the case of Arizona, are responders, which is a much more expensive proposition. Whichever route is taken, the role of the TLO must be very clear in the mind of the TLOs themselves, their administrators and the rank-and-file.

Once the law enforcement TLO program has been stood up, the fusion center should turn their attention to developing TLO programs within the other emergency responder disciplines. As with the law enforcement TLOs, it will be important to develop a need to report observations as well as establish a value to reporting such information. This will be even more so in the other emergency responder disciplines as they are not naturally geared toward investigation, observation and reporting of behavior. This will be particularly true for the medical professions who are confronted with issues of patients' privacy. The information that these responders can provide could be very valuable, and certainly will be worth the effort to educate all involved in the process of legally and ethically providing this information to the fusion centers. However, great care must be taken to ensure that all laws are followed and that the ERs are educated to a level that makes them comfortable with reporting information that is permissible.

B. TERRORISM EARLY WARNING GROUP (TEWG)

The establishment of terrorism early warning groups is an excellent way for the fusion centers to gain information on sector-specific information or information derived from particular areas of concern. Examples include the agriculture industry, chemical industry, transportation, and school administrators. The TLOs, in conjunction with the fusion center and local ER administrators, should identify which terrorism early-warning groups would be beneficial to their individual regions, and together, should identify a list of who should or could be involved in this activity.

These groups will require some form of quid pro quo; generally, useful information will be sufficient currency for their involvement. There are many ways to start these programs; most often, the easiest is to start with existing groups or organizations. Often there are industry associations that meet on a regular basis. In

addition, emergency response planning meetings are often used as a catalyst to initiate a TEWG. One useful program that has been successful in some jurisdictions is the FBI's InfraGard program. Once these programs or TEWGs are established, however, they cannot be abandoned. It will take a concerted effort and regular interaction to maintain the relationships that will promote the useful exchange of information. Administrators also need to be mindful of the possibility of TLOs becoming over-extended and unable to make all the requested commitments. Most TLOs take on the job as an "other duty as assigned," and not a full-time job.

In the event an agency chooses a purely terrorist orientation for the fusion center, as opposed to an all-crimes approach, it would be valuable for those agencies to establish a TEWG with the criminal investigative units of the region's law enforcement agencies.

C. COMMUNITY-ORIENTED POLICING

One final method of data collection for the emergency responder community is community oriented policing (COP). This approach would be by far the most labor-intensive of those discussed. The benefit potential is significant and the concept deserves some attention. A properly developed COP program can engage local Muslim communities to enhance their sense of belonging and comfort and, at the same time, minimize any feelings of alienation, mistrust or disaffection. A second benefit — one that will come in due course if the program is established with honest intentions and not a thinly veiled attempt to create immediate informants — is the establishment of relationships and trust. Once these are ingrained, the increased confidence level in the "system" may lead to increased reporting of suspicious behaviors that members of the Muslim community may become aware of or actually witness.

As many in the Muslim community do not live in tight geographic confines, as is often the case in Europe, a successful COP program would have to interpret *community* as larger or different from the common geographic consideration. *Community* will have to be perceived in more of an ideological context rather than a neighborhood concern. Acting now, to build positive relationships by involving and engaging the Muslim community, will not only provide a rich and useful source of future information, it will,

more importantly, have the capability of preventing future attacks by removing potential terrorists from the ranks of recruits for radicalized jihadist ideology. This relationship must be based on fair, reasonable and reciprocal relationships that are respectful of each other's rights, needs and objectives.

D. SUMMARY OF DATA COLLECTION RECOMMENDATIONS

- Each fusion center should develop a TLO program in their area of responsibility
- Local administrators should be engaged and educated for support
- Local administrators need to select their TLOs
- The fusion centers should provide/facilitate training for the TLOs
- TLOs need to be trained on the organizational and administrative responsibilities of their role
- The fusion center should provide regular intelligence products to the TLOs
- The fusion centers ought to provide a support network to sustain the TLOs
- TLOs are encouraged to develop TEWGs as they are able and as need exists
- Local agencies should assist in maintaining a cadre of trained TLOs to respond to staff turnover issues
- A COP program in the Muslim community should consider community as a non geographic concept and define it more ideologically

VII. CONCLUSION

No one can know what our threat potential is in the current environment. As a country and as local public servants, we need to be prepared without over-reacting, protect both our citizens and our rights, and be proactive in providing intelligence to deter and mitigate, within a reasonable budget with reasonable risks. Fusion centers have the capability of assisting in these efforts. They also have the capability to fail. It is the responsibility of those in fusion center governance and management positions to ensure that fusion centers succeed. Success can and should be defined locally; the criterion for success needs to be clearly articulated.

This thesis started by asking the questions: What is the mission of the state and local fusion centers? Do they have a national value? Do they have a local value? I believe the evidence presented herein has demonstrated that state and local fusion centers do indeed have a real mission in the protection of our homeland, and in the process can contribute both a national and a local value. To do this, however, fusion centers will have to respond the second research question: What can be done to improve the effectiveness of state and local fusion centers?

Fusion centers can accomplish this by identifying their mission and their customers, at what level of analytic product they will produce, and to whom. Not all fusion centers will need the same amount of strategic analysis or tactical analysis, but, in order to determine what to produce, they will have to understand their customers' needs and ensure they are educated so they understand the difference between the two products. Fusion centers will also need to determine how they will integrate the emergency responder community. A TLO program is one method that shows promise and is easily adaptable.

It is the responsibility of those in fusion center governance positions and management positions to ensure that fusion centers succeed. If the fusion centers can produce a timely, locally actionable and relevant product to its customers — in the form of strategic analysis to policy makers; tactical analysis to counter terrorism; tactical

analysis to major criminal investigations; and, situational awareness and reporting mechanisms to the emergency responder community — they will have established their value.

By implementing the key recommendations of this thesis, fusion centers will progress into becoming significant assets in our counterterrorism fight. If fusion centers fail to prove their relevance and local worth, they face the danger of losing support, not only from federal funding sources, but also from local agencies, which sponsor a great deal of the state and local fusion center resources.

This thesis has also left many unanswered questions that future efforts could research. Some issues for future researchers to consider are:

- Do these results reflect trends in other fusion centers or are they specific to California?
- The development of a uniform definition and role for strategic, tactical and criminal analysts.
- The development of a process for consumer intelligence requirements and product delivery.
- The role and impact of leadership on fusion centers.
- The impact of information sharing at multi-government levels.
- Further research on TLO programs and their effectiveness.
- The use of community-oriented policing as a counterterrorism tool (or its lack of effective use).
- The issue of situational awareness of terrorist threat in the emergency responder community.
- What parameters or influences guide the level of strategic analysis that is needed at the state and local level?

APPENDIX

Emergency responder information collection

1. Fusion Center Survey

The purpose of this survey is to elicit information from fusion centers about their method of operation, organization and goals. The survey is also trying to determine the type and amount of data sources employed and how the end product is used and by whom. It also attempts to identify common issues and needs from the perspective of those operating/managing fusion centers. The survey should take about 15 minutes to fill out and should be filled out by a director or manager of the fusion center. Thank you for your time.

The individual responses will remain confidential unless you indicate otherwise at the end of the survey.

Glossary

Line- first line personnel, i.e. fire fighter, police officer
 Unit- organization that comprises the referenced group
 ER- Emergency Responder
 TLO- Terrorism Liaison Officer
 Maturity- level of operational readiness of a fusion center, (i.e. a mature fusion center has a trained staff with clearances and access to classified data bases).
 Task- Ability to assign work, analysis or a data request
 Training- standardized training from a recognized analyst training institution

1. Is your unit:

A fusion center
 An intelligence unit
 Regional collaboration
 Single entity, i.e. police intelligence unit

If you are other than a single entity unit who are your partners?

2. Is your unit:

Federally funded
 State funded
 Locally funded
 Combination
 Other (please specify)

3. How much of your fusion center is grant funded?

	less than 10%	10-25%	26-50%	51-75%	76-100%
State	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Federal	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Emergency responder information collection

4. How would you rate the current maturity of your unit?

	Operational status
We are at the concept/proposal stage	<input type="text"/>
Our current staffing level is	<input type="text"/>
Percentage of our staff with Top Secret clearance	<input type="text"/>
Percentage of our staff that has access to classified data bases	<input type="text"/>
Percentage of staff trained and cleared to operate secure data bases	<input type="text"/>
Percentage of staff trained in intelligence analysis	<input type="text"/>
Other (please specify)	<input type="text"/>

5. What is the status of your training?

What analysis training does your staff receive?

What analysis training would you like to see available for your staff?

6. Is your unit's primary function tactical (case support) or strategic (policy/threat assessment)?

7. Who is the primary consumer of your product?

	Never	Seldom	Sometimes	Often	Most of the time	Almost always	Always
Investigators	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Policy Makers	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Law Enforcement	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Elected Officials	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Non Law enforcement emergency responders	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
If product is for investigators, what is the crime category?							
<input type="text"/>							

Emergency responder information collection

8. What amount of your source data for analysis comes from:

	Less than 10%	10-25%	25-50%	50-75%	75-100%
Federal government, i.e. FBI	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
State government	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Local agencies	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Open source	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Private Sector	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

9. Of your local agencies data sources what amount, if any, comes from:

	Less than 10%	10-25%	25-50%	50-75%	75-100%
Law Enforcement	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Terrorism Liaison Officer (TLO)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fire	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Public Health	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Emergency Medical Services	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Public Works	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other (please specify)	<input type="text"/>				

10. Of all the data sources you employ for intelligence data collection and analysis how much of the data comes from:

	Less than 10%	10-25%	25-50%	50-75%	75-100%
Open sources (i.e. media/internet)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
For Official Use Only (i.e., regional law enforcement)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Secret (i.e., classified government source)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Top Secret	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

11. What percentage of the work produced in your unit is disseminated at the:

	Less than 10%	10-25%	25-50%	50-75%	75-100%
Unclassified level	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
For Official Use Only	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Law Enforcement Sensitive	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Secret	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Top Secret	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Emergency responder information collection

12. How is your intelligence product disseminated at the different classification levels?

	Dissemination method
For Official Use Only	<input type="text"/>
Law Enforcement Sensitive	<input type="text"/>
Secret	<input type="text"/>
Top Secret	<input type="text"/>
Unclassified	<input type="text"/>
Other (please specify)	<input type="text"/>

13. What method does your unit use to disseminate information/intelligence to the line level emergency responder (ER) community.

- Unit has an internal method to disseminate to line level ERs
 Unit relies on liaisons to ER community to disseminate info
 Unit disseminates to investigative units only
 Other (please specify)

14. Do you think that, as a source, the line level Emergency Responder community has:

	Never	Seldom	Sometimes	Often	Usually	Almost always	Always	N/A
Access to potentially valuable information?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Is sufficiently aware of what to look for?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Has appropriate reporting mechanisms	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Is aware of reporting mechanisms	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Mechanisms are available	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Mechanisms user friendly	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Is taking full advantage of reporting opportunities	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

15. Do you feel that the ER community is being appropriately utilized by your unit as a data source?

- Yes
 No
 If no, how can that be improved?

Emergency responder information collection

16. Community Oriented Policing is often cited as a source of potential information for law enforcement in the Homeland Security effort.

	None	Less than 5%	5-10%	10-25%	25-50%	Over 50%
Community Oriented Policing provides the following amount of our tips and leads.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

17. Is Community Oriented Policing under utilized as an information source?

Yes
 No

If yes, how can that be improved?

18. Do you feel it is important to acknowledge members of the ER community that provide information, a tip or a lead.

	Does your unit acknowledge those that provide information?	If yes, how?	If yes, how?
Does your unit acknowledge emergency responders that provide information?	<input type="text"/>	<input type="text"/>	<input type="text"/>

19. Can you, or your analysts, "task" the ER community with a request for additional information on case being worked?

Yes
 No

If yes, how?

20. Does your unit have a liaison officer with (check all that apply):

	Y/N?	Role	Role	Role	Role
Law Enforcement	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Fire	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Emergency Medical Services	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Public Health	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Public Works	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Other	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Other (please specify)

21. If you have a Terrorism Liaison Officer (or similar) program what are the benefits?

Emergency responder information collection

22. If you have a Terrorism Liaison Officer (or similar) program, how would you improve it if you were able to make the changes?

23. Is your unit only concerned with terrorist activity?

- Yes
 No

24. If your unit produces analysis on crimes other than terrorist threats:

	Narcotics	Money Laundering	Counterfeiting (other than money)	Financial Crimes	Crimes of Violences	Gangs	Other
What crimes are analyzed?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other (please specify)	<input type="text"/>						

25. If your unit conducts "other than terrorist analysis" how is the decision made on what gets analyzed?

- Policy
 Unit director/commander
 Immediate supervisor
 Investigator
 Analyst
 Other

Other (please specify)

26. Who can "task" your unit and how?

27. If you are currently a terrorist and "other crimes" analysis unit, how would it affect your unit if it were required to focus exclusively on anti-terrorist activity?

	Never	Seldom	Sometimes	Often	Usually	Almost always	Always
Useable intelligence product would be reduced	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
"Value" to consumer/end users would be reduced	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Analysts' skills would suffer from lack of applicable "real life" work	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Support from parent agencies would be reduced	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other (please specify)	<input type="text"/>						

Emergency responder information collection

28. Some people believe that Fusion Centers should focus on anti-terrorist analysis exclusively.

Is there enough terrorist activity in your area of responsibility to support an exclusively terrorist work load?

29. The individual responses to this survey will remain anonymous unless you indicate that your responses can be attributed to your fusion center. Do you want your responses kept confidential?

- Yes
 No

Optional: Name and position

THIS PAGE INTENTIONALLY LEFT BLANK

LIST OF REFERENCES

- Allen, Charles. DHS Director of Intelligence. Testimony before Senate Select Committee, September 7, 2006.
- Beasley, Norman. Testimony before the U.S. Maricopa County (Arizona) Sheriff's Office, before the U.S. House of Representatives House Committee on Homeland Security Subcommittee on Intelligence, Information Sharing and Terrorism Risk Assessment, "The Way Forward with Fusion Centers: Challenges and Strategies for Change," September 27, 2007.
<https://www.hsdl.org/homesecc/docs/testimony/nps33-092707-04.pdf&code=7035620d98ed78e74b136023c2dd3c1b> (last accessed November 12, 2007).
- Carter, David, L. *Law Enforcement Intelligence: A Guide for State, Local, and Tribal Law Enforcement Agencies*, U.S. Department of Justice, Office of Community Oriented Policing, Cooperative Agreement #2003-CK-WX-0455, November 2004.
- "Community Oriented Policing and Problem Solving, Definitions and Principles," Crime and Violence Prevention Center, Office of the Attorney General, California Department of Justice, third edition, A16-5057, October 1999.
- Covey, Stephen, R. *The Speed of Trust*, New York: Free Press, 2006.
- Docobo, Jose. "Community Policing as the Primary Prevention Strategy for Homeland Security at the Local Law Enforcement Level," *Homeland Security Affairs* 1, no. 1, summer 2005.
- "Federal Efforts are Helping to Alleviate Some Challenges Encountered by State and Local Information Fusion Centers." GAO Report to Congressional Committees, GAO-08-38, October 2007.
- Flynn, Daniel W. "Defining the Community in Community Policing" Police Executive Research Forum, 1998.
http://www.policeforum.org/upload/cp_570119206_12292005152452.pdf, last accessed March 21, 2008.
- Forsyth, William, A. "State and Local Intelligence Fusion Centers: An Evaluative Approach in Modeling a State Fusion Center, Naval Postgraduate School (U.S.) Center for Homeland Defense and Security, September 2005.
<http://www.nps.edu/Library/index.aspx.pdf>, last accessed March 13, 2008.

Fusion Center Guidelines. Developing and Sharing Information and Intelligence In a New Era, United States Department Justice, United States Department of Homeland Security, 2006.

Hoffman, Bruce, and Seth Jones. *Countering a Resurgent al Qaeda* (draft), cited with permission, May 22, 2007.
<https://www.chds.us/courses/mod/forum/discuss.php?d=8174>, last accessed March 3, 2008.

Homeland Security. *Federal Efforts are Helping to Alleviate Some Challenges Encountered by State and Local Information Fusion Centers*, United States Government Accountability Office, GAO-08-35, October 2007.

InfraGard. <http://www.infragard.net>, last accessed March 19, 2008.

Jenkins, Brian Michael. Testimony before the Committee on Appropriations Subcommittee on Homeland Security, United States House of Representatives, January 30, 2007.

———. *An Unconquerable Nation*, Santa Monica, CA: Rand Corporation, 2006,
<http://rand.org/pubs/monographs/MG454/>, last accessed March 21, 2008.

Larence, Eileen R. Director of Homeland Security and Justice Issues, GAO testimony before the Subcommittee on Intelligence Information Sharing and Terrorism Risk Assessment, Committee on Homeland Security, House of Representatives, space GAO -07-1241T, United States Government Accountability Office, September 27, 2007.

Lowenthal, Mark M. *Intelligence, From Secrets to Policy*, Washington, DC: CQ Press, 2006.

Marcus, Leonard J., Barry C. Dorn, Joseph, M. Henderson. “Meta-Leadership and National Emergency Preparedness, Strategies to Build Government Connectivity,” Working Paper, Center for Public Leadership,
<http://www.ccl.org/leadership/landing/crisisForum.aspx> (last accessed .March 21, 2008)

Markle Foundation Task Force. “Protecting America’s Freedom in The Information Age,” A Report of the Markle Foundation Task Force (New York: Markle Foundation, October 2002) 10.

Masse, Todd, Siobhan O’Neil, and John Rollins. CRS Report for Congress, “Fusion Centers: Issues and Options for Congress,” Order Code RL34070 July 2007, 10.

- CRS report for Congress, *Fusion Law Enforcement Assistance and Partnership Strategy, Improving Information Sharing between the Intelligence Community and State, Local, and Tribal Law Enforcement*, 2, <http://epic.org/privacy/fusion/leap.pdf>, last accessed February 29, 2008.
- McConnell, Michael, J. Director of National Intelligence, Annual Threat Assessment of the Intelligence Community for the House Permanent Select Committee on Intelligence, February 5, 2008, 9. http://www.tsa.gov/assets/pdf/02052008_dni_testimony.pdf, last accessed, February 26, 2008.
- National Governor's Association. Center for Best Practices, *2006 State Homeland Security Directors Survey*, April 3, 2006, as reported in: Todd Masse, CRS Report for Congress, "HLS Intelligence: Perceptions, Statutory Definitions, and Approaches," August 18, 2006, 17-18.
- National Intelligence Estimate, the Terrorist Threat to the U.S. Homeland*, Office of the Director of National Intelligence. http://dni.gov/press_releases/20070717_release.pdf. last accessed January 17, 2008.
- National Strategy for Homeland Security*. Homeland Security Council, October 2007. <http://www.whitehouse.gov/infocus/homeland/nshs/NSHS.pdf>, last accessed March 24, 2008.
- Petrie, Michael. "The Use of EMS Personnel as Intelligence Sensors: Critical Issues and Recommended Practices." *Homeland Security Affairs* III, no. 3 (September 2007) <http://www.hsaj.org/?article=3.3.6>, last accessed February 11, 2008.
- Ramirez, Deborah, Sasha C. O'Connell, and Rabia Zafar. *Developing Partnerships between Law Enforcement and American Muslim Arab and Sikh Communities: A Promising Practices Guide*, The Partnering for Prevention and Community Safety Initiative, Northeastern University, 2004, <http://www.ace.neu.edu>, last retrieved September 20, 2007.
- Sageman, Marc. "Understanding Jihadi Networks," *Strategic Insight* IV, Issue 4 (April 2005) Center for Contemporary Conflict, www.ccc.nps.navy.mil, last accessed January 4, 2008.
- Scheider, Matthew C., and Robert Chapman. "Community Policing and Terrorism." *Journal of Homeland Security*, Homeland Security Institute, <http://www.homelandsecurity.org/journal/articles/Scheider-Chapman.html>, April 2003, last accessed September 27, 2007.
- National Commission on Terrorist Attacks upon the United States, *The 9/11 Commission Report; Final Report of the National Commission of Terrorist Attacks Upon the United States*. New York: W.W. Norton & Company, 2004.

The National Criminal Intelligence Sharing Plan, U. S. Department of Justice, Bureau of Justice Assistance and Global Justice Information Sharing Initiative, October 2003.

U.S. Department of Justice, *Intelligence-Led Policing: The New Intelligence Architecture*. U.S. DOJ website, www.ojp.usdoj.gov, September 2005, last accessed, March 19, 2008.

INITIAL DISTRIBUTION LIST

1. Defense Technical Information Center
Ft. Belvoir, Virginia
2. Dudley Knox Library
Naval Postgraduate School
Monterey, California