



# **NAVAL POSTGRADUATE SCHOOL**

**MONTEREY, CALIFORNIA**

## **THESIS**

**VALIDATING A MODEL OF TEAM COLLABORATION AT  
THE NORTH AMERICAN AEROSPACE DEFENSE  
COMMAND USING SELECTED TRANSCRIPTS FROM  
SEPTEMBER 11, 2001**

by

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June 2008

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AMERICAN AEROSPACE DEFENSE COMMAND USING SELECTED  
TRANSCRIPTS FROM SEPTEMBER 11, 2001**

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## **ABSTRACT**

On September 11, 2001, during an exercise at the North American Aerospace Defense Command (NORAD), air traffic controllers in New York, Boston, Washington, and Cleveland discovered that four American commercial airliners had been hijacked. Initially, the officials at NORAD's North East Air Defense Sector (NEADS) were confused as to whether the hijackings were real world or part of an exercise. The goal of this thesis is to investigate the teamwork and collaboration that occurred between NEADS, their counterparts at the Federal Aviation Administration (FAA) and various air traffic control centers in order to provide military air support and ground civilian air traffic over the United States. Transcripts of recorded audio from the command and control center at NEADS were coded and analyzed in an effort to use a real world example to empirically validate the structural model of team collaboration, developed by the Office of Naval Research. The model focuses on individual and team cognitive processes used during collaboration with the goal of understanding how individuals and teams work together under stress to make decisions.

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## **I. INTRODUCTION AND BACKGROUND**

### **A. SEPTEMBER 11, 2001**

#### **1. Timeline**

The following timeline is meant to be an approximation of the events that occurred on September 11, 2001, but is by no means an official timeline. The basic timeline was pulled from Wikipedia with some minor modifications (The National Commission on Terrorist Attacks Upon the United States, 2004).

- 7:59 A.M. American Airlines Flight 11, a Boeing 767 with 92 people on board, departs Boston's Logan International Airport bound for Los Angeles International Airport.
- 8:14 A.M. - United Airlines Flight 175, a Boeing 767 with 65 people on board, departs from Boston's Logan International Airport bound for Los Angeles International Airport.
- 8:20 A.M. - American Airlines Flight 77, a Boeing 757 with 64 people on board, departs Washington Dulles International Airport bound for Los Angeles International Airport.
- 8:40 A.M. - The FAA notifies NORAD's Northeast Air Defense Sector of the suspected hijacking of American Airlines Flight 11.
- 8:42 A.M. - United Airlines Flight 93, a Boeing 757 with 44 people on board, departs from Newark International Airport bound for San Francisco International Airport.
- 8:43 A.M. - The FAA notifies NORAD's Northeast Air Defense Sector of the suspected hijacking of United Airlines Flight 175.
- 8:45 A.M. - American Airlines Flight 11 crashes into the North World Trade Center tower (1 Tower).
- 8:46 A.M. - Jet fighters are scrambled from Otis Air National Guard Base in Fallmouth, Massachusetts.
- 9:03 A.M. - United Airlines Flight 175 crashes into the South World Trade Center tower (2 Tower).
- 9:08 A.M. - The FAA bans all takeoffs of flights going to or through New York airspace.

- 9:17 A.M. - The FAA shuts down all New York City-area airports.
- 9:21 A.M. - All bridges and tunnels into Manhattan are closed.
- 9:24 A.M. - The FAA notifies NORAD's Northeast Air Defense Sector of the suspected hijacking of American Airlines Flight 77.
- 9:25 A.M. - The FAA orders shutdown of all airports nationwide, banning takeoffs of all civilian aircraft.
- 9:31 A.M. - President George W. Bush makes a statement from Emma Booker Elementary School in Sarasota, Florida, calling the crashes an "apparent terrorist attack."
- 9:35 A.M. - NORAD scrambles two F-16 fighters from Langley Air Force Base, Virginia.
- 9:40 A.M. - American Airlines Flight 77 crashes into the west side of the Pentagon.
- 9:45 A.M. - An operator receives a cell phone call from a passenger on United Airlines Flight 93, who reports that the flight has been hijacked and that the passengers are going to fight back.
- 9:45 A.M. - The FAA orders all airborne aircraft, over 4500, to land at nearest airport.
- 9:48 A.M. - The White House's West Wing and the U.S. Capitol are evacuated.
- 9:55 A.M. - Scrambled jet fighters reach Washington, D.C. area.
- 9:57 A.M. - President George W. Bush leaves Sarasota, Florida.
- 10:05 A.M. - The south World Trade Center tower (2 Tower) collapses.
- 10:07 A.M. - United Airlines Flight 93 crashes near Shanksville, Pennsylvania.
- 10:10 A.M. - A walled section of The Pentagon collapses.
- 10:29 A.M. - The north World Trade Center tower (1 Tower) collapses.
- 10:50 A.M. - New York's primary elections are postponed.
- 10:56 A.M. - Palestinian leader Yasser Arafat makes a statement offering condolences.

- 11:00 A.M. - New York Mayor Rudy Giuliani orders the evacuation of lower Manhattan south of Canal Street.
- 11:04 A.M. - The United Nations is completely evacuated.
- 11:44 A.M. - President George W. Bush lands at Barksdale Air Force Base.
- 12:04 P.M. - Los Angeles International Airport, destination of three of the hijacked airplanes, is closed and evacuated.
- 12:15 P.M. - San Francisco International Airport, destination of United Airlines Flight 93, is closed and evacuated.
- 12:30 P.M. - The FAA reports that only 50 flights remain airborne.

## **2. Response**

On September 11, 2001, the staff stationed at the Northeast Air Defense Sector (NEADS), the regional headquarters for the North American Aerospace Defense Command (NORAD), jumped into action and coordinated the country's military response to four hijacked airliners. The NEADS crew, led by the mission crew commander (MCC), eventually scrambled four armed fighters, two from the Otis Air National Guard Base in Falmouth, Massachusetts, and two from Langley Air Force Base in Virginia in an attempt to find and trail the hijacked aircraft. Standard protocol during an aircraft hijacking is to launch fighter aircraft from the appropriate base and have them trail the aircraft in a position that allows for an appropriate response depending on the situation (Bronner, 2006).

Throughout the day, NEADS coordinated with Boston Center, New York, Chicago, Otis Air National Guard Base, Langley Air Force Base, and the FAA in order to determine how many hijackings had taken place, where they were headed and what their intent was. In the end all civilian air traffic was grounded by the FAA and all four hijacked aircraft were intentionally destroyed by the hijackers.

All communications by the NEADS crew were recorded on multi-channel tape recorders as standard protocol. This thesis includes an analysis of one of those channels, in an effort to analyze the team collaboration that occurred that day.

### **3. NORAD**

The North American Aerospace Defense Command (NORAD) is a bi-national United States and Canadian Organization charged with the protection of North American airspace. The organization employs a network of space-based, aerial-and ground-based sensors, refueling capabilities and fighter aircraft to detect and deter threats from both international and local enemies. The critical missions that NORAD performs include: aerospace warnings of manmade objects in space such as missiles and space vehicles, detection, validation and warning of attacks against North America by aircraft, missiles and space vehicles, achieved by mutual agreements with other commands (North American Aerospace Defense Command, About NORAD).

The idea for NORAD and its mission began in 1940 when President Roosevelt and Canadian Prime Minister King issued the “Ogdensburg Declaration.” It defined the concept of United States and Canada joint defense. In 1947, the United States and Canadian governments issued a “Joint Statement on Defense Collaboration” emphasizing the continuing importance of cooperative defense planning between the two countries. In 1954, President Eisenhower approved the National Security Council recommendation to create a distant early warning system for the defense of the U.S. Later in 1954, the Continental Air Defense Command, a predecessor to NORAD, was established to implement the early warning system. Finally, in September of 1957, following the Soviet Union’s first launch of a multistage ballistic missile, NORAD was established. NORAD was initially created to deal with the threats presented by the Cold War. Although the Cold War has long since ended the need to protect North American

air space continues. NORAD continues to adjust its structure to support the dynamic changes of the world (Federation of American Scientists, NORAD Selected Chronology).

NORAD is divided into three distinct regions: Continental NORAD region (CONR), Canadian NORAD region (CANR), and Alaskan NORAD region (ANR). These three regions are further divided into sectors. Of particular interest to this thesis is the Northeast Air Defense Sector (NEADS). NEADS is the regional headquarters for NORAD located at Griffiss Air Force Base in Rome New York. It is responsible for protecting a half of a million square miles of American airspace from the East Coast including Canada to the Midwest areas such as Tennessee, the Dakotas and Chicago (Bronner, 2006). NEADS was the key command and control center for the U.S. military response during the attacks of September 11, 2001.

NEADS is operated by the Air National Guard (ANG) and reports to the CONR headquarters, in Panama City, Florida, which in turn reports to NORAD headquarters, in Colorado Springs, Colorado. NEADS's Sister-Sector, the Western Air Defense Sector (WADS), operates out of McChord Air Force Base in Washington and also reports to CONR. The Southeast Air Defense Sector, another sector of NORAD, was operational during the events of September 11, 2001, and participated in the initial response, however SEADS has since been disestablished and their mission has been shifted to NEADS and WADS (Strickler, 2006).

## **B. THESIS GOALS**

The primary goal for this thesis is to empirically validate the Office of Naval Research (ONR) developed model of team collaboration. As part of this validation, we used the macrocognitive process definitions and the associated codes provided by ONR in order to ensure that they are adequate for analysis of real world events. We also provide recommendations for improvements and additions to the current set of codes.

Channel two mission control commander (MCC) operations, (channel 2), was the primary communications channel used by the MCC during the crisis. The audio from this channel was transcribed by a professional transcriber and provides an excellent example of a collaborative team effort as they responded to a real-world crisis. Coding these communications transactions will help determine if the meta-cognitive and macro-cognitive processes included in the model accurately represent how problems are solved in a real world crisis, or if the model is best suited for laboratory and controlled environments. Prior to coding the transcripts it was determined that certain codes would not be used because they were designed specifically for use in a controlled laboratory environment. This does, however, not imply that these codes should be removed from the model. Additional codes were also added to support the unique situation and environment in which the military operates.

### **C. PREVIOUS RESEARCH**

Other research has been conducted in an attempt to validate the structural model of team collaboration and is briefly described below. This research includes a thesis by Ensign Maura Garrity 2007, a thesis by Lieutenant Luis Socias 2008, and several studies by Hutchins and Kendal from a series of field experiments and a series of laboratory experiments where teams engaged in air warfare scenarios as well as Maritime Interdiction Operations (Garrity, 2007), (Socias, 2008), (Hutchins and Kendall, 2008).

Ensign Garrity's thesis analyzed the response of the Fire Department of New York during the events of September 11, 2001 (Garrity, 2007). She used the structural model of team collaboration to help the Fire Department of New York City understand how it worked as a team and offered improvements for both the FDNY and how to improve the model.

Hutchins and Kendall analyzed transcripts from a series of Maritime Interdiction Operations experiments and team communications from air warfare teams on an Aegis ship (Hutchins and Kendall 2008). A MIO is the boarding of a

suspicious ship to ensure embargos are being enforced and no illegal products are entering or leaving ports of interests. The most common MIO operations take place in the vicinity of Iraq but are not limited to this location. The air-warfare scenario involved the deconfliction of hostile and friendly air contacts in the combat information center (CIC) aboard USS Princeton (CG 59) and USS Curtis Wilbur (DDG 54). Team communications were analyzed to see how teams collaborated in complex, one of a kind situations encountered in both MIO and air warfare scenarios (Hutchins, Kendall, and Bordetsky, 2008).

Lieutenant Luis Socias' thesis analyzed a second audio channel from the NEADS response to 9/11 (Socias, 2008). His research is also an effort to validate the structural model of team collaboration. Although his research stands alone it could eventually be paired with this thesis and future analysis of all of the audio channels in order to gain a more accurate picture of the total inter-agency team collaboration that occurred on September 11 between the military and civilian responders.

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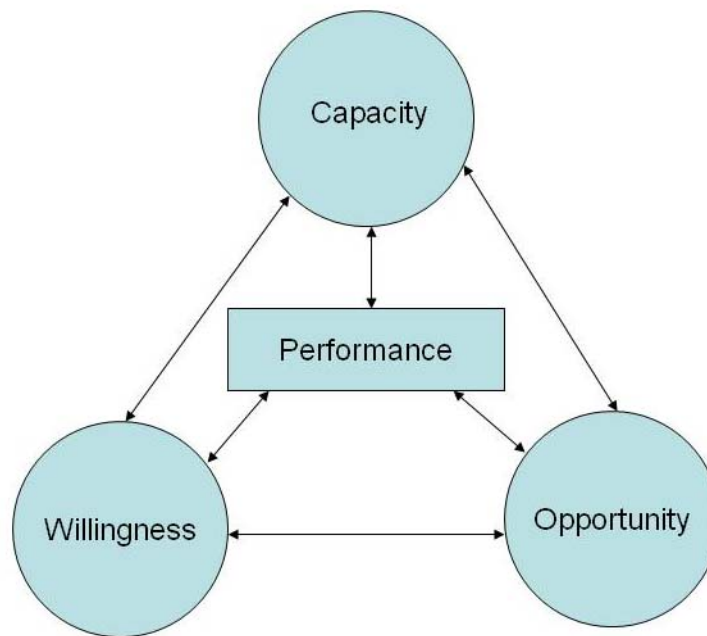


## **II. LITERATURE REVIEW**

### **A. INDIVIDUAL PERFORMANCE AND DECISION MAKING**

In almost any task some people will perform better than others even when the amount of practice is controlled. Although training and Intelligence Quotient (IQ) are major factors in the quality of individual performance, they are not the only ones. Performance on a variety of tasks declines with age especially after the age of 60 (Mathews, Davies, and Westerman, 2000). Gender also plays a significant role in individual performance. Although there is little difference in overall intelligence test scores, males typically score higher on visual and spatial tests whereas females score better on verbal skills. Sex hormones are related to some of these differences but social factors play a role as well.

Individual performance cannot be measured by ability alone. An intelligent and talented individual may perform poorly due to lack of motivation, distraction, or by temporary mood states such as fatigue or emotional stress. Things like the lighting of the workspace, the comfort of the desk, ambient lighting and noise are all factors for individual performance. Figure 1 illustrates Blumberg and Pringle's (1982) theory of work performance which addresses all of these concerns. The first factor of this diagram is capacity which includes intelligence, learned skills and physical fitness. The second factor is willingness, which refers to motivation and attitude. The third factor, opportunity, refers to the physical and social environment provided by the organization. Performance reflects the interaction of these three factors. In this model, team performance is directly related to the performance of the individuals on the team (Blumberg and Pringle, 1982).



**Figure 1. Determinants of Work Performance From (Blumberg, and Pringle, 1982)**

## **B. COGNITION**

The term cognition is used in different ways by different disciplines. In psychology, it refers to an information processing view of an individual's psychological functions. Other interpretations of the meaning of cognition link it to the development of concepts; individual minds, groups, organizations, and even larger coalitions of entities. These groups can be modeled and studied to understand how humans think. There are many levels of cognition which include metacognition, microcognition and macrocognition (Merriam-Webster, Cognition).

### **1. Metacognition**

Metacognition defines how people think and how they process tasks. Metacognition has implications for groups and teams on a variety of cognitive tasks they perform. Metacognition emerged as an important topic for teams in the early 1990s. Flight crew thought processes, jury decision making and decisions under stressful environments were the first topics of study. After the

tragic events of September 11, 2001, the study of metacognition within groups and teams bloomed with real-world studies of how humans react and perform under enormous amounts of stress.

One area of research within metacognition is metamemory. Metamemory is what people know about what they remember. Memory in group performance is essential for high team performance (Salas and Fiore, 2004). Two factors make large contributions to group recognition and memory performance: consensus and correctness (Hinsz, 1990). The consensus factor indicates that the team is willing to choose a similar or alternative outcome. The correctness factor represents the finding that correct alternatives are more likely to be chosen in a group response. The correctness factor in group recognition memory performance is consistent with other research on group problem solving and judgment on intellectual tasks that shows that correct responses are more likely to be the group judgment rather than incorrect responses (Laughlin, 1980).

## **2. Macro cognition and Micro cognition**

Macro cognition is a term coined by Pietro Cacciabue and Erik Hollnagel to describe the cognitive functions that are performed in natural (versus artificial laboratory) decision-making settings (Cacciabue and Hollnagel, 1995).

Most cognitive research has been conducted in laboratory environments, while this research is based on analysis of team communications that transpired during a real-world event. This is referred to as micro cognition. Decisions made in the real world or natural environments are often very complex, in many cases involving data overload. As seen in the data analyzed for this thesis, the team was overloaded with information, faced many complex decisions, and had to grapple with very high levels of uncertainty as they tried to develop an accurate mental model of the events that transpired. Members of the participating organizations had to deal with a complex problem that had never before been encountered, nor imagined. Other factors that macro cognition addresses are that decisions are made under a limited amount of time and include high-risk

stakes. Additionally, these decisions are made under conditions that cannot be controlled which leads to extremely high variables in the study.

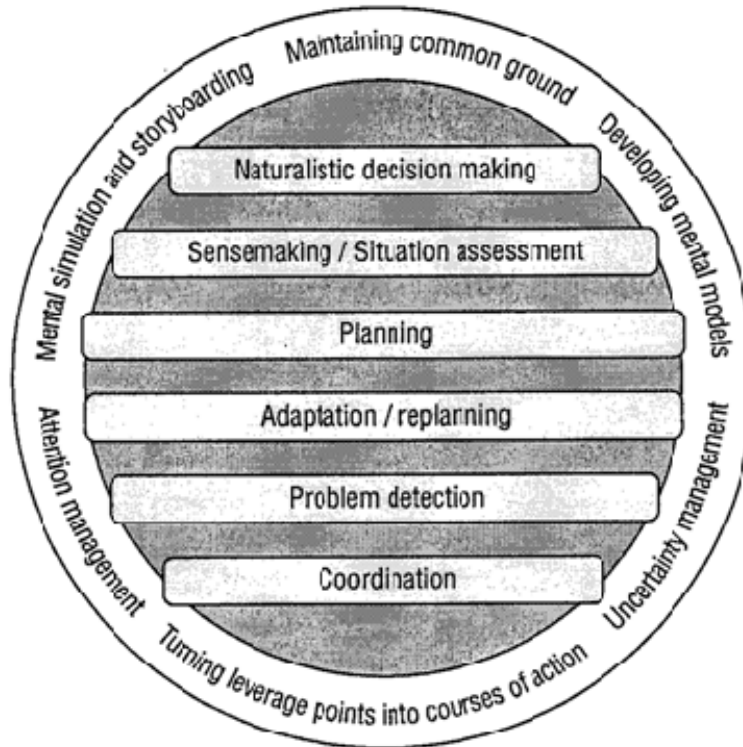
In an attempt to describe the relationship between macrocognition and microcognition, many scientists agree that it is too difficult to draw specific parallels on graphs because the information and processes are extremely intertwined. A comparison is presented in Table 1, which shows important macrocognitive phenomena and traditional microcognitive lab research.

**Table 1. Important Macrocognitive Phenomena and Traditional Microcognitive Lab Research From (Klein, G., Ross, K. G., Moon, B. M., Klein, D. E., and Hollnagel, E., 2003).**

<b>Macrocognition</b>	<b>Microcognition</b>
<b>Macrocognition phenomena of concern to domain practitioners</b>	<b>Parallel traditional microcognition of concern to cognitive scientists</b>
<ul style="list-style-type: none"> <li>• Planning and problem detection</li> <li>• Using leverage points to construct options</li> <li>• Attention management</li> <li>• Uncertainty management</li> </ul>	<ul style="list-style-type: none"> <li>• Puzzle solving</li> <li>• Strategies for searching problem spaces</li> <li>• Serial versus parallel processing models</li> <li>• Estimating probabilities or uncertainty values</li> </ul>

Macrocognition comprises the mental activities that must be successfully accomplished to perform a task or achieve a goal (Klein et al., 2003). Macrocognitive functions are generally performed during collaborative team problem solving. The emphasis on macrocognition is on the cognitive functions and how teams can perform them. Technology offers a new level of complexity with macrocognition. Technology can help but in the same sense can hinder macrocognition.

Klein, Ross and Moon, (2003) offer the following diagram, Figure 2, which shows the relationships of the functions and supporting processes for individuals, teams and information technologies.



**Figure 2. Macroognitive functions and supporting processes for individuals, teams, and information technologies (Klein et al., 2003)**

### **C. TEAMWORK AND TEAM PERFORMANCE**

A team is typically defined as a group of individuals working interdependently toward a common goal (Ilgen, 1999). Team members may be interdependent in terms of their roles, goals, and outcomes, and the interdependence required to achieve the team objective involves each member of the team interacting directly or indirectly with each other member of the team (Sundstrom, 1999).

## **1. Team Communication**

To function effectively as a team, the team must operate as an information processing unit, maintaining situational awareness. Team cognition differs from individual cognition. To effectively perform as a team, each member must share knowledge and understand his/her team members. Team cognition thus requires communication - a process that has no quantifiable metric. In this thesis we coded and analyzed team communications based on the Office of Naval Research (ONR) macrocognitive process definitions. Communication requires both time and cognitive resources. When communications are more efficient, team performance benefits.

Communication plays a critical role in a team's ability to achieve coordinated action. Research regarding the measurement and analysis of communication behavior is an ongoing process. Cannon-Bowers and Salas, (1990), offered an influential introduction to the notion of cognition in teams, which they referred to as "team mental model" (Salas and Fiore, 2004).

Multiple research methods have been used to study and understand cognition. Analysis of team communication is typically achieved through the use of one or several of the following methods: repertory grids, verbal protocols, and card sorting. To date, most researchers focus their efforts on understanding team cognition in terms of common understanding, overlap, agreement, congruence or sharedness of cognition (Salas and Fiore, 2004).

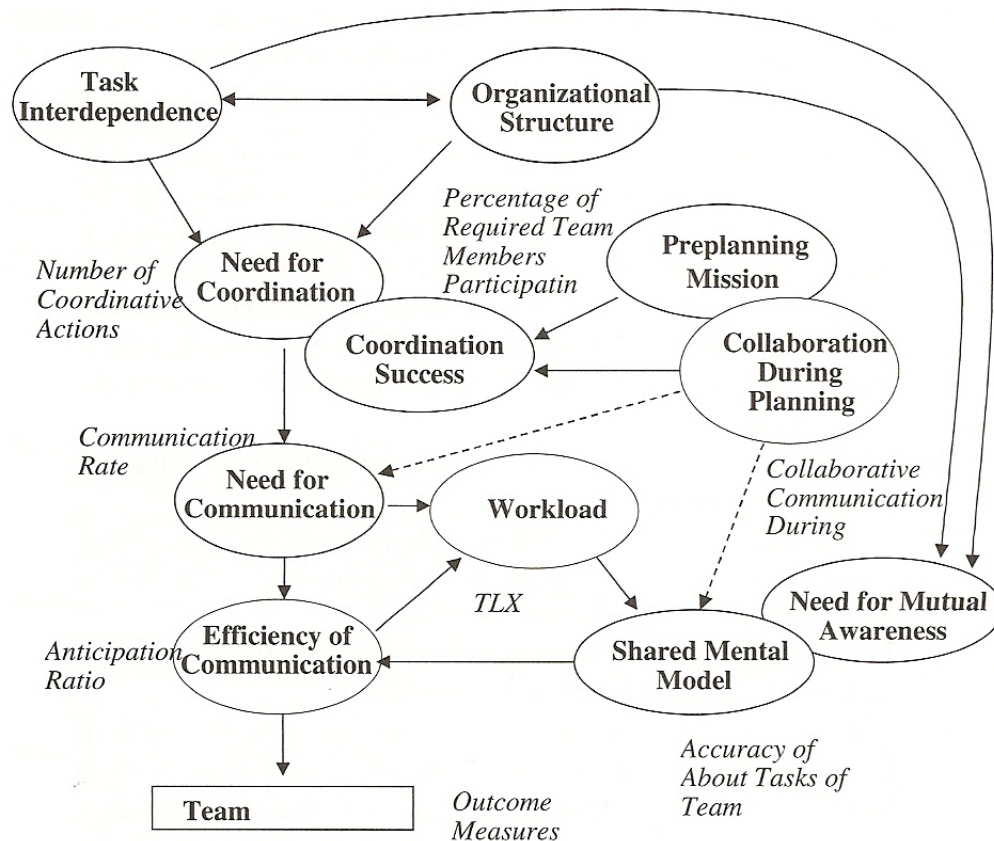
## **2. High Performing Teams**

High performing teams typically have shared mental models. These teams will be more efficient, spending more time on performance and less time on organizing their actions. This is commonly referred to as mutual organizational awareness (Salas and Fiore, 2004).

High performing teams are also rated using the Task Load Index. Task inter-dependence and team structure jointly defined the need for coordination and communication within the team. Figure 3 describes the relationship between

the structure of a team to efficiency of a team's communication. Multiple experiments have observed that the optimal team structure resulted in more coordinated use of resources to accomplish tasks therefore less need to communicate (Salas and Fiore, 2004).

From analysis of the data for this thesis, it is evident that many team members were trying to communicate, coordinate and use any asset at hand to conduct the mission. It is evident from the transcripts that there was severe chaos that indicates that the Task Load Index is a good measure for theoretical and laboratory data but not relevant for real world crisis events such as September 11, 2001.



**Figure 3. Framework linking team structure to communication efficiency: dotted lines indicate links not yet supported by data, TLX = Task Load Index. From (Salas and Fiore, 2004)**

### **3. Virtual Teams**

A group of organizationally or geographically dispersed workers brought together to work on a common project through communication and information technologies is a virtual team (Godar & Ferris, 2004). Virtual teams usually conduct business via electronic means such as e-mail, video teleconference and collaborative planning tools. Many virtual teams operate on different continents. Technology and virtuality change work groups in three important ways: (1) they introduce new dimensions of communications among members by breaking the barriers of space and time; (2) they modify traditional group processes; (3) and they enormously enhance the group's capacity to access, share, manipulate, retrieve and store information.

There is limited empirical evidence that suggests that greater geographic distribution of a team leads to lower levels of performance. This perception is due to reduced face-to-face contact, limited opportunities for building social relationships, and the common belief that work was better conducted in the local vicinity of other team members (Pauleen, 2004).

In the military, most teams are by nature a hybrid of a virtual team. Commands are geographically dispersed and support locations across the globe. Unlike information technology (IT) or system engineering firms which are known for global team locations, the military's primary customer is the warfighter. Industry has the luxury of lower personnel turnover rates and pre-coordinated teams. On September 11, 2001, the team being analyzed in this thesis is an ad hoc virtual team. It involves many people at several organizations that had very little time to "Form, Norm, Storm and Perform" (Tuckman, 1965).

## **D. DECISION MAKING AND DECISION MAKING STYLES**

### **1. The Rational or Classical Model**

The rational-economic (or classical) model is prescriptive in nature in that it focuses on how decisions ought to be made and assumes that the decision maker is completely rational and utilizes a search process that proceeds in a



planned, orderly, consistent and unbiased fashion. This model assumes that the decision maker has available all the information needed to make a decision and that all possible alternatives are considered. The decision maker makes the optimum decision. Decision making proceeds through the following sequence of steps: problem identification, development of criteria against which alternative solutions can be evaluated, identification of alternative courses of action, evaluation of alternatives, selection of the best alternative, and implementation (Lahti, 1996).

## **2. The Administrative (or Behavioral) Model**

This model is descriptive in that it describes how decisions are actually made. Decision makers seek to simplify problems and make them less complex because they are constrained by their individual capabilities. Examples of constraints are limited information processing ability and by organizational conditions such as availability of resources. The administrative model assumes that decision makers operate with bounded rationality; this means that decision makers are rational within a simplified model which contains fewer decision making criteria and fewer options. This model assumes that decision makers identify a limited number of decision making criteria, that they examine a limited range of alternatives which are easy to find, highly visible, have been tried before or are only slightly different from the status quo, and that they do not possess all the information needed to make a decision. The decision maker selects a satisficing alternative. This is an alternative that is "good enough" or satisfactory in that it meets the minimum criteria established for a desired solution. Decision making proceeds sequentially: alternatives are examined one at a time and the first satisfactory alternative that is found is selected (Lahti, 1996).

## **3. The Implicit Favorite Model**

The implicit favorite model is descriptive in that it describes how decisions are actually made. The decision maker seeks to simplify the decision-making process by identifying an "implicit favorite" before alternatives are evaluated; this

often occurs subconsciously. The decision maker is neither rational nor objective and unbiased. After a "favorite" is selected, the decision maker tries to appear rational and objective by developing decision criteria and by identifying and evaluating various alternatives; however, this is done in a biased way so as to ensure that the favorite appears superior on these criteria and thus, can legitimately be selected as the "best" solution. In this model, "decision making" is essentially a process of confirming a choice or decision that has already been made. The actual decision was made in an intuitive and unscientific fashion (Lahti, 1996).

#### **4. The Political Model**

The political model is descriptive in that it describes how decisions are actually made. The decision maker is neither rational nor objective and unbiased. Since the group members have different agendas, they need to negotiate with each other. The process involves a cycle of bargaining among the decision makers in order for each one to try to get his or her perspective to be the one of choice – more specifically, to sway powerful people within the situation to adopt his or her viewpoint and influence the remaining decision makers. This model does not involve making full information available, since it is based upon negotiation that is often influenced by power and favors. In fact, information is often withheld in order to better maneuver a given perspective. In this model, potential problems and conflict often can be foreseen and minimized. Once powerful people have been swayed to support a particular viewpoint, other group members usually fall in line behind them. The nature of bargaining and maneuvering such as withholding information and social pressures can produce effects that are long-lasting and detrimental. Once they discover it, the individuals involved in the decision may not appreciate the duplicity inherent in the process (Lahti, 1996).

### **III. STRUCTURAL MODEL OF TEAM COLLABORATION**

The Office of Naval Research (ONR) Warfighter Performance directorate established a series of studies and programs to help better understand and improve the effectiveness of team performance and decision making in unique and complex situations. The nature of most military operations makes them unique. They are normally conducted under high stress and often supported with uncertain data. Because of these factors they are very difficult to measure with regard to performance. The ONR research recognizes that not only should studies be done from a cognitive perspective, but also addresses the fact that military operations are interdisciplinary in nature. This program seeks to develop cognitive science-based tools, models, computational methods, and human-agent interfaces to help attain common situational awareness among multidisciplinary, distributed team members engaged in collaboration for issue resolution or decision-making. Collaboration is defined as working jointly with others or together especially in an intellectual endeavor (Merriam-Webster, Collaboration). It examines the cognitive aspects of joint analysis or problem solving for attaining shared understanding sufficient to achieve situational awareness for decision-making or creation of a product. Knowledge interoperability is the identification, collection, fusion and presentation of data for attaining comprehension of a situation at both the individual and team level (ONR, Science & Technology Warfighter Performance: Human Performance Division). The structural model of team collaboration, created by Warner, Letsky and Cowen, (2003) was developed as part of ONR's research programs (Warner, Letsky, Cowen, 2003).

#### **A. PREVIOUS MODEL AND COMPONENTS**

The initial model was finalized in 2003 but has since been updated and modified. This thesis used the revised model and macrocognitive coding categories however the original model is described below. It is important to note

that a model is not the system or process, but a representation of a system or process that helps researchers hypothesize and attempt to predict and understand the system or process (Warner et al., 2003). The original model developed by Warner, Letsky and Cowen, (2003) included an input, team knowledge base construction, collaborative team problem solving, team consensus, outcome evaluation and revision and output. These phases of the model do not necessarily have to occur in that order in fact, the data examined for several decision-making domains indicate that team collaboration is a highly iterative process (Hutchins, Kendall & Bordetsky, 2008.) A visual representation of the model of team collaboration is shown in Figure 3.

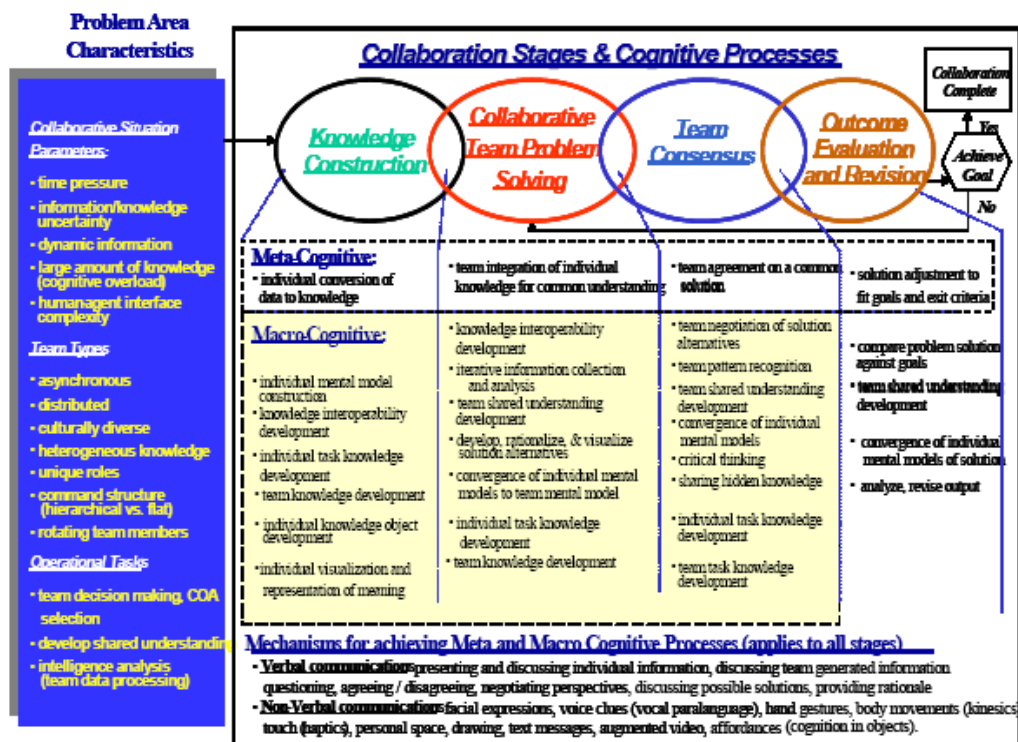


Figure 4. Model of Team Collaboration. (Warner et al., 2003)

Various mechanisms for communication are used through all stages of the model. These mechanisms include verbal and non-verbal communications however, since this thesis is based on verbal transactions only, it is impossible to identify or code any non-verbal behavior unless it was specifically alluded to in

the verbal communication. Verbal communications included disagreements, questioning, discussing individual information, providing rationale, negotiation and agreement (Warner et al., 2003). Each phase of the model is further defined below.

### **1. Input**

Input is the information that the team will receive to achieve the desired goal. Parameters that are considered are time pressure, dynamic information, technology, team types and the operational tasks.

### **2. Team Knowledge Base Construction**

Team knowledge construction is the first phase of the problem solving evolution. This is when individuals gather information and gain the basic understanding of the problem at hand. They form their own individual mental model from the conversion of data to knowledge.

### **3. Collaborative Team Problem Solving**

Collaborative team problem solving involves the individuals' mental models converging to form a team mental model. The knowledge is fused and iterative information is collected to determine which data is valid and which should be disregarded.

### **4. Team Consensus**

Team consensus occurs when the team is working together to agree on a common solution. The team is still monitoring the dynamic situation at hand and is brainstorming alternative solutions. The team uses team shared understanding, and critical thinking but is ultimately focused on the common outcome for the goal.

## **5. Outcome Evaluation and Revision**

Outcome evaluation and revision uses solutions and adjustments to fit the goals and provide the optimal solution for the problem. This is a revision stage that serves as a feedback loop for team shared understanding and convergence of team mental models.

## **6. Output**

Output is the completion of the desired task. The model of team collaboration was not developed to measure the output, but rather study how the team functioned across all of the stages of collaboration and reached an output.

## **B. THE UPDATED MODEL**

The previous version of the model of team collaboration had four phases excluding the input and output. The model used for this thesis utilizes five phases which are: Individual knowledge building, Team knowledge building, Developing shared problem conceptualization, Team consensus development and Outcome appraisal. It also includes a sixth phase that is useful when describing team collaboration for real world events. This phase was developed by Hutchins et al, (2008) as part of their research on MIO's, air warfare scenarios and firefighting scenarios. During their research they determined that in many cases, team members may need to issue orders for a course of action. The coding category is called Decision to take action and includes issuing a course of action (COA) and request to take action (RTA). The difference between the two codes lies in the nature of the relationship of the person issuing the order and the person whom the order is being issued to, as well as the severity of the order. In general an RTA occurs between peers or persons close in rank and the outcome of the action is not necessarily dire. A COA order is normally given from a superior, usually someone in command or with some significant authority, to a junior and the outcome of the action could potentially have significant affect on the outcome of the situation (Hutchins et al., 2008). Although these phases appear to be chronological in nature and in many cases teams move through

them chronologically, it is possible, during an extended asynchronous scenario, to shift from an early phase to a later phase and vice versa. This describes how a collaborative effort can be both parallel and continuous.

In the context of the research for the current model, it must be understood that macrocognition is dynamic and iterative (Fiore, 2007). This means that team thought processes are both parallel and continuous. The best way to understand the process and how to quantify team collaboration is by recognizing what comprises a team and how to codify the foundational concepts associated with macrocognition.

For this thesis, the word team is defined as, “two or more people who interact dynamically, interdependently and adaptively toward a shared goal” (Salas, Dickinson, Converse & Tannenbaum, 1992). The team members during this crisis include everyone speaking and interacting on channel 2.

The codes used in this thesis were built upon and refined from the initial framework of collaborative problem solving. It is important to note that the model and the codes are have been refined by the Navy’s Collaboration and Knowledge Interoperability Program (Letsky, Warner, Fiore & Salas, 2007). The codes are divided into five distinct levels or phases of cognition. Each of the codes, as originally written, will be explained under the pertinent phase of cognition below (Fiore, 2007). We modified this list of codes by excluding several codes, making changes to the code definitions, and adding several codes. These changes and the thought process behind them are described in the results chapter of this thesis.

## **1. Input**

Input is the information that the team will receive to achieve the desired goal. Parameters that are considered are time pressure, dynamic information, technology, team types and the operational tasks.

## **2. Phases of Cognition within the Model**

*Individual knowledge building* is the first phase of the model after the task has been identified. In this phase, individual team members ask for clarification of the data, information and tasks. They also respond to other team member's requests by sharing information. This is a very rudimentary portion of the process because each individual is trying to develop their own mental model before they can contribute valuable membership to the team. The codes for this phase are as follows.

*Iterative Information Collection:* collecting and analyzing information to come up with a solution but no specific solution mentioned.

*Individual Task Knowledge Development:* individual team member asking for clarification to data or information about the task; or response to clarification about the task.

*Individual Mental Model Development:* individual team member using available information to increase his/her knowledge representation of the problem situation.

*Team Knowledge Building* is the second phase of team collaboration. During this phase, the team members participate in clarifying the information, data and understanding the task to build the team's knowledge. The greater the number of clarifications create a better team building process. The codes for this phase are as follows.

*Pattern Recognition and Trend Analysis:* Number of patterns communicated among team members; the time to detect those patterns and accuracy of the patterns.

*Team Mental Model Development:* the increasing similarity between an individual's knowledge representation and the team's knowledge representation through the process of individual team members convincing other team members to accept specific data, information or knowledge.



*Recognition of Expertise:* calculated by comparing an individual's perceptions of fellow members expertise with actual individual level metrics of expertise. This individual level metric of recognition of expertise can be aggregated to the team level by averaging the individual scores of the team. The closer the actual and perceived rankings, the better the team is at recognizing expertise (Bonner, 2004).

*Sharing Unique Knowledge:* is an exchange process where any information uniquely held by an individual is made available to all other group members and the group uses this information in their option selection process. The greater the number of unique information items that become available to the group, the greater the shared unique knowledge.

*Uncertainty Resolution:* The progressive minimization of sources of uncertainty in a decision environment. The greater the number of uncertainty sources that are reduced, the higher the uncertainty resolution.

*Knowledge Interoperability:* defined as the process of individual team member's exchanging their knowledge of the problem situation such that agreement is reached among team members with respect to a common understanding of the topic's meaning.

*Developing shared problem conceptualization* is the third phase of team collaboration. The development of shared problem conceptualization is best described as the team members sharing their understanding of problem goals, characteristics of the environment and the rules for operating to produce quality solutions for the problem. In this process or phase of macrocognition, the team utilizes collaborative activities to build and reinforce the perceptions and conceptual understanding of the team's problem (Fiore, 2007). This is accomplished with sharing, information transfer and use of visualization of the data. In this phase, the team will typically establish a common ground. The codes for this phase are as follows.

*Visualization and Representation of Meaning:* Visualization is where individual team members use methods such as graphs and pictures to transfer meaning to other team members. Representation is where individual team members use methods such as note pads to sort data and information into meaningful chunks

*Building Common Ground:* Common ground equals the amount of redundant terms (x) emerging within the group activity over the total number of words (n) generated by the group (i.e.  $cg = x/n$ ; whereas the lower the number the greater the common ground among the team)

*Knowledge Sharing:* The number of pieces of information passed to another team member. The amount of knowledge shared between two team members is equal to the number of pieces of information given by one team member divided by the amount of new knowledge gained from the second team member (measure by pre/post session questionnaire). The smaller the ratio (items/new knowledge), the greater the knowledge shared.

*Knowledge Transfer:* The act of exchanging useful, actionable knowledge among team members. The more actionable knowledge exchanged, the more knowledge transferred. The term knowledge is defined and used according to the definition and principles of Bellinger, Castro and Mills 2004. Knowledge represents a pattern that connects and generally provides a high level of predictability as to what is described or what will happen next. The greater the number of exchanges, the more knowledge that is shared (Bellinger, Castro and Mills, 2004) .

*Team Shared Understanding:* Discussion among all team members on a particular topic or data item (i.e. discussion does not involve answering questions).

*Team Consensus Development:* Is the phase when there is the onset of the major macrocognitive process that allows for option generation (Fiore, 2007). The team will negotiate for a solution option and will be accomplished by the

collective agreement by the members. This may not be the solution but it is an option discussed by all. The codes for this phase are as follows.

*Critical Thinking:* Critical thinking impacts decision processes and outcomes and can be indirectly measured through the following: (number of issues considered in an assessment, number of conflicting pieces of evidence identified, number of explanations of conflict generated, number of alternative assessments generated, accuracy of assessment (agreement with subject matter experts), consensus on assessment, confidence in assessment, frequency of contingency planning, subjective evaluations of process. Higher scores on these metrics indicate better critical thinking (Cohen, Freeman, and Thompson, 1998).

*Mental Simulation:* Individual team members or the whole team using their mental models (i.e. individual or team respectively) to run a mental simulation of what might happen over time. Pattern matching between features of the current situation and those of previous similar situations in order to base projections on the outcomes of the current situations. Measures of mental simulation content could include pre/post session questionnaires, and concept maps; mental model occurrence measures could include detection of communication utterances describing comparisons to similar problems and projections about current problems.

*Intuitive Decision Making:* The number of team decisions derived by the team members recognizing the situation as typical, so they immediately know what course of action they will implement. They immediately know the goals, priorities and the steps of the course of action in the given situation.

*Iterative Information Collection 2:* Collecting and analyzing information to come up with a solution but no specific solution mentioned.

*Solution Option Generation:* Generating reasonable alternatives in a decision problem that satisfy the list of requirements.

*Storyboarding:* The process of visual thinking and planning, which allows a team to brainstorm together along with placing and arranging their ideas on cards

before taking action. Measures for effective storyboarding include counting the number of cards necessary for explaining a concept or idea, evaluate the coherence of the plan by investigating the smoothness of topic shifts and time jumps among individual threads and evaluate whether the storyboard has enough content to sufficiently describe the plan.

*Team Pattern Recognition and Trend Analysis:* Number of patterns communicated among team members; the time to detect those patterns and accuracy of the patterns.

*Team Negotiation of Solution Alternatives:* Team negotiation is defined as the number of changes of solution alternatives by the total team divided by the total time to reach agreement. The larger the ratio, the more effective the negotiation.

*Outcome Appraisal:* Is the final macrocognitive phase or process where the team evaluates the selected solution option against the problem's goal. This requires the process of feedback interpretation and sometimes will require re-planning. Some teams may adapt or completely change the solution if the problem's goals have not been met (Fiore, 2007). The codes for this phase are as follows.

*Feedback Interpretation:* The whole team discusses the selected solution option against meeting the problem goal resulting in either completely meeting the goal or areas that need to be discussed further.

*Re-planning:* The initial plan is defined as the preliminary course of action developed by the team. No behavior leading up to the initial plan is included in the re-planning process. Re-planning can be measured by counting the number of changes made to the *initial* plan until final plan is achieved.

### **3. Output**

Output is the completion of the desired task. The model of team collaboration was not developed to measure the output, but rather study how the team functioned across all of the stages of collaboration and reached an output.

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## **IV. METHODS**

### **A. AUDIO CHANNEL SELECTION**

There are currently recordings of 24 channels available to the public, each of a different communication channel used at NEADS on September 11, 2001. Each channel begins at approximately 0830 Eastern Standard Time (EST) and ends at approximately 1509 EST. After a careful scrub of each of the channels, we determined that channel 2 was the best channel to use because the primary speaker on the channel was the primary decision maker regarding the NEADS response to the crisis.

### **B. TRANSCRIPTION**

Once we decided to use channel two, we searched for a professional transcription company that could complete the transcription quickly and cost effectively. We chose [escriptionist.com](http://escriptionist.com) because they guaranteed a five-day turnaround and use a Microsoft Word format that is easily transferred into a Microsoft Excel spreadsheet. [Escriptionist.com](http://escriptionist.com) was also able to work around the fact that the audio is at times difficult to hear and includes some extreme background noise and interference. [Escriptionist.com](http://escriptionist.com) did an excellent job of transcribing the channel especially considering the length and quality of the audio channel.

Once [escriptionist.com](http://escriptionist.com) returned the completed transcription, we took several days to listen to the audio file while reviewing the transcription for completeness and accuracy and made changes based on our understanding of the NEADS organization and military terminology and protocol.

### **C. PRACTICE CODING**

Before the coders began the actual coding process, the cognitive process definition included in the model developed by ONR were examined and studied by the entire thesis team. The coding process developed over several stages.

Initially, the coders coded one hundred lines of the transcript from the Socias, 2008, thesis for practice with the purpose of familiarizing the coders with the coding process. The coders then met with our thesis advisors to review the coding and gain insight into how and when each code should be used. The coders then coded one hundred lines of the channel two transcript and then met with the thesis team for further coding calibration. During the initial coding process the channel two audio file was often reviewed to resolve uncertainty as to the wording, meaning, intonation or intention of vague verbal turns in the transcript.

#### **D. REMOVING COGNITIVE PROCESS CODES AND CHANGING DEFINITIONS**

Prior to final coding and based on our discussions during the two practice coding sessions, we determined that we needed to make some minor changes to the codes. Because the new macrocognitive processes included in the structural model of team collaboration have been updated since June 2007, but some appeared to be used mainly in a controlled laboratory environment, we have made some changes to reflect the type of data we would be analyzing from the real world environment.<sup>1</sup> In general, we modified the definitions of codes that required a calculation or metric as part of the definition and eliminated codes that were completely dependent on calculations or metrics. The changes we made are described below.

As previously described, we added the *decision to take action category*, which includes the cognitive categories *course of action (COA)* and *request take action (RTA)* based on research conducted by Hutchins, Kendall, and Bordetsky, (2008). The inclusion of these codes is appropriate in this case because NEADS is a military organization where giving or receiving orders is common place.

Under the cognitive category of *team knowledge building*, we have made changes to the following codes; *Pattern recognition and trend analysis (PRTA)*

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<sup>1</sup> As per discussions with Sue Hutchins and Tony Kendall



and *Recognition of Expertise (RE)*. We shortened the definition of *PRTA* to read; “patterns communicated among team members” vice “number of patterns communicated among team members; the time to detect those patterns and accuracy of the patterns.” We cut the portions regarding the “number of patterns” and “time to detect those patterns and accuracy of the patterns” because we are using the code to identify single instances of pattern recognition or trend analysis. Identifying the number of patterns and time to detect those patterns and accuracy of the patterns may be useful as a metric but must be done separate from the coding process.

*RE* was eliminated as a code because we had no way of knowing what individual team members perceptions were regarding fellow member’s expertise. In addition, we did not have access to actual individual level metrics of expertise in this subject area. The data that would be developed by following the specified definition of *RE* could be helpful in determining the ability of the team to accomplish the task at hand but it is not useful as a code for coding single verbal transactions.

Under the cognitive category of *developing shared problem conceptualization*, we have removed the code *building common ground (BCG)* because the definition does not indicate how or when it should be used as a code. Instead, the definition requires a calculation. The calculation is done by dividing the number of redundant terms used by the total number of words spoken during the event. The number generated by the calculation would then indicate what level of common ground the team reached. This calculation would need to be taken at given intervals during the event to determine if the team was in fact reaching a common ground. If the number is lower as the event goes on the team is reaching a common ground. If the number is larger or stays the same as the event goes on the team is not moving toward reaching a common ground. While this calculation is useful in understanding how the team is performing, it is not useful as a code for individual transactions. We have also removed the code *knowledge sharing (KS)*. According to the definition of the *KS* code, it again

requires a calculation as well as a pre-and-post event questionnaire. Because we are examining a real world event, it is not possible to have a pre-and-post event questionnaire.

Under the cognitive category of *team consensus development*, we have made changes to the following codes; *Team pattern recognition and trend analysis (TPR1)* and *team negotiation of solution alternatives (TNSA)*. The definition of *TPR1* has been changed to read; “patterns communicated among team members” vice “number of patterns communicated among team members; the time to detect those patterns and accuracy of the patterns.” We cut the portions regarding the “number of patterns” and “time to detect those patterns and accuracy of the patterns” because we are using the code to identify single instances of pattern recognition or trend analysis. Identifying the number of patterns and time to detect those patterns and accuracy of the patterns may be useful as a metric but must be done separate from the coding process.

The definition of *TNSA* was shortened to read “the team negotiates solution alternatives” vice “team negotiation is defined as the number of changes of solution alternatives by the total team divided by the total time to reach agreement. The larger the ratio, the more effective the negotiation.” The original definition requires the analyst to count the number of times solution alternatives are negotiated and then divide that number by the time it took to team to reach a final agreement. This ratio could be useful in determining the effectiveness of the team but does not allow *TNSA* to be used as a code for individual transactions.

Under the cognitive category of *outcome appraisal*, we made changes to the *team pattern recognition and trend analysis (TPR2)* category. Because *TPR2* falls a under higher level cognitive category, it will be assessed at a higher level than *TPR1*. The definition of *TPR2* has been changed to read; “patterns communicated among team members” vice “number of patterns communicated among team members; the time to detect those patterns and accuracy of the patterns.” We cut the portions regarding the “number of patterns” and “time to detect those patterns and accuracy of the patterns” because we are using the

code to identify single instances of pattern recognition or trend analysis. Identifying the number of patterns and time to detect those patterns and accuracy of the patterns may be useful as a metric but must be done separate from the coding process.

#### **E. THE FINAL CODING PROCESS**

For the initial round of final coding, the coders as well as one advisor, each coded 650 lines of code individually. Once the individual coding was completed, the entire thesis team met to discuss each verbal transaction, compare the results of the individual codings, and determine a final agreed upon code. This process initially took three hours per 200 lines of the transcript. The coding process became more efficient as the coding continued and the coders became more comfortable with the codes and developed a better understanding of their meaning. At times, the transcript was confusing because it includes partial conversations (e.g. only one end of the telephone conversation could be heard or a person was answering or responding to a question from someone that could not be heard on the recording) and information from background noise that is not relevant to the job of the MCC position. When problems like this arose, the coders occasionally listened to the recording while coding in order to reduce uncertainty. However, when there was disagreement about the meaning of a particular verbal turn the transaction was coded as written. The entire coding process for all 2337 lines of the transcript took approximately three weeks to complete.

After the first 650 lines of the transcript were completed, our advisor no longer coded. However, the entire thesis team met on several occasions to discuss the final codes for the first 1200 lines of code. During these meetings, the team developed a common understanding of the codes and definitions, which differ slightly from the original codes and the literal definitions as initially written. We also felt that it was necessary to add several codes. Our understanding of the

cognitive process codes and the cognitive process codes we added are described in the results section of this thesis.

After the first 1200 lines of the transcript were coded, the thesis team determined that our understanding of the codes was sufficient to complete the coding process without the input of our advisors.

The complete transcript for channel 2 contains 3511 verbal transactions. However, we coded through 2337 lines of the transcript. We decided to do this for two reasons. The first reason is that the number 3511 is an arbitrary number. Escriptionist.com's method for transcription was to add a new line each time they determined a new speaker was speaking. However, after careful examination of the transcript and comparison to the audio we were able to determine that at times a single conversation is broken into multiple lines even though it is the same person talking. This may have occurred for several reasons. First of all the audio is not high quality and therefore, it is difficult to distinguish between voices other than male and female. At times when a person speaking paused for some reason the transcriber probably, thought that another person started speaking after the pause and therefore started a new line of text. Another reason the text was broken is that at times the MCC, the primary team member speaking on channel 2, did not speak. When he was silent the recorder picked up pieces of background conversations that were not of value for the analysis of channel two.

The second reason for stopping at line 2337 was because all of the major events for the day had been completed. The events that take place beyond line 2337 are more along the lines of "cleanup" rather than response to a crisis situation.

## **F. AUDIO ANALYSIS SOFTWARE**

Prior to sending the audio file for channel two to be transcribed by escriptionist.com we removed the dead air or down time from the file by using the audio software Creative Wave Studio version 7.10.15. Creative Wave Studio, a copyright of Creative Technology Ltd., 1992-2006, is one of many similar

applications that can be used for this type of audio file manipulation however, wave studio is simple to use and met our needs. The software was also used to determine the exact time different events occurred at NEADS. This allowed us to lay a timeline of significant events against the verbal transcript. We did this in order to gain some insight into when the actual September 11, 2001, events were occurring and when the people at NEADS were first hearing about the events and how long it took them to react.

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## **V. RESULTS**

### **A. CODING RESULTS**

It is important to note that many communication turns within the transcript warranted more than a single code. Each communication turn included anywhere from one word to almost a full paragraph of text. Many communication turns had numerous nuances and conveyed several messages, therefore required multiple codes.

When the analysis and coding process was completed, the codes, representing the cognitive processes used by the NEADS decision makers, chosen by each coder, and the final code were entered into the excel spreadsheet next to each corresponding communication turn. This was done so that the coders could be compared to each other to determine the inter-rater reliability (IRR) score and so that the total number of final codes and the specific number of each final code used could be tallied and analyzed. The number of final codes used was 2700 which includes 500 *miscellaneous (MISC)* communication turns and 192 *not codeable (NC)* communication turns. In the data analysis, the misc and NC codes were only used when determining the percentage of each code used. The *MISC* codes were also used when determining the IRR however, the *NC* codes were not used in this calculation.

#### **1. Additional Codes and Code Definition Interpretation**

As a matter of course, the two primary coders did not always select the same code or same number of codes for each communication transaction. Each communication turn was debated during the final coding meetings and a final code was eventually agreed upon. When final coding was complete, there were no final codes that the coders did not agree upon. A key result of the coding process is that the thesis team determined that the addition of several codes was necessary to capture the cognitive processes that occurred at the MCC position.

The thesis team also had numerous discussions regarding the interpretation of the definitions for several codes, which helped determine when certain codes were appropriate.

Under the cognitive category of *individual knowledge building*, we used the cognitive process code *iterative information collection (IIC)* when an individual first asks for or collects a piece of information. When a team member asks for clarification to information that has already been collected, we used the cognitive process code *individual task knowledge development (ITK)*. In both cases, the code used for the response to the question is same as the code used for the question.

The cognitive process codes that were added, based on this research, are *Individual Task Knowledge Development 2 (ITK2)*, *Team Mental Model 2 (TMM2)*, and *Knowledge Transfer (KT2)*. *ITK2* and *TMM2* were added under the fourth cognitive phase of the model, *team consensus and development*. Our determination to add these codes under the fourth cognitive phase was because in the later stages of the problem the team had already developed a solid mental model regarding the situation and had asked all of the questions necessary to develop their original mental model. While they were initially asking questions and developing a team mental model, it was appropriate to use *ITK* which falls under the first cognitive phase, *individual knowledge building*, and *TMM* which falls under the second cognitive phase, *team knowledge building*. The nature of the problem was such that the continuous information flow inundated the decision makers. New information required the individuals and the team as a whole to ask questions to clarify this new information and make modifications to their initial mental models. It would have been misleading to characterize these questions and updates to the mental model with *ITKs* and *TMMs* because the individual was clearly beyond the *individual knowledge building* phase of the mental model.



The thesis team's definition of *Team Mental Model (TMM)* and *Team Shared Understanding (TSU)* developed and changed slightly over the course of the coding process. The original definition of *TSU* is strict in that it requires "all team members" to discuss a topic or piece of data. The nature of the audio transcript is such that it would be impossible to know if "all team members" were included in a discussion. Therefore, we changed the definition to read "some team members" discuss a topic or piece of data.

Each coder frequently used the codes *TSU* and *TMM* separately to characterize the same communication turn. For example, coder one used *TMM* to describe a communication turn while coder two used *TSU*. The thesis team eventually decided that *TMM* was most appropriate when coding a communication turn that involved the development of the team's overall understanding of the situation. *TSU* was most appropriate when part of the team was being updated on a previously agreed upon response to the situation or a change in the response to the situation. Generally, *TSU* was chosen when it was obvious from the semantics and context of the communication turn that team members were sending or receiving updated briefs that did not necessarily contain new information but were crucial in keeping the team synchronized.

The cognitive process code *KT2* was added under the model's fifth cognitive phase *outcome appraisal*. As with *ITK* and *TMM*, it was determined that the initial exchange of actionable knowledge, requiring a cognitive process code of *KT*, would take place during the third cognitive phase of the model, *developing shared problem conceptualization*.

However, the process of planning and taking and recommending a course of action is not static and the MCC continued to update and modify the plan as the situation changed throughout the day. Communication turns that indicate this type of replanning and modification should fall under the fifth cognitive phase, *outcome appraisal*. To make changes to the plan the decision maker typically

needs new actionable information. Based on the definition of *KT* the thesis team determined that it would be prudent to add the code *KT2* to characterize actionable knowledge transfers that occurred as part of *outcome appraisal*.

Another clarification that was made was how and when to use the cognitive code *sharing unique knowledge (SUK)* versus *knowledge transfer (KT)*. Initially coder one often used *SUK* to describe a communication turn while coder two used *KT* to describe the same communication turn. This research determined that the problem was that the often there is a great deal of overlap between the definitions of *SUK* and *KT*. Unique knowledge was characterized as knowledge that had not yet been shared with team. It is generally easy to pick out communication turns that add unique knowledge to the scenario. However, the act of sharing unique knowledge is also one step in the act of transferring or exchanging knowledge which is included in the definition for *KT*. Eventually, the team determined, that the key to deciding between the codes *SUK* and *KT* was whether or not the knowledge being presented was “actionable knowledge.” The *SUK* code was used when knowledge was first presented to the team but was not necessarily “actionable knowledge” and the *KT* code was used when knowledge was exchanged that could be used to take some sort of action by the decision makers. Several examples of the initial difference in cognitive process code definition interpretation regarding *SUK* and *KT* are displayed in Table 2. As is shown by the final code selection, unique knowledge is not often immediately determined to be “actionable knowledge.” Generally speaking, several pieces of unique knowledge need to be shared before the overall knowledge pool becomes something a decision maker can act upon.

**Table 2. Examples of Difference in Interpretation of Definitions Between Coders for *SUK* and *KT*.**

Transcript Line #	Communication Turn	Coder 1 Code	Coder 2 Code	Final Code
119	We just did a 25 mile track area, track production area	SUK	KT	SUK
267	I don't where they went though. I think 204 or 212. You can find them. They're team 23. Two crews airborne right now. Team 23 and team 24. New York Center will be working – they're up north-east of New York. Would be my guess. I can look at my computer.	SUK, ITK, VRM	KT, ITK	SUK, ITK, VRM
269	They're airborne. Two DC10s and they've got a lot of fuel there. They're heavyweights, so they'll have enough fuel to be airborne almost all day.	SUK, TMM	KT	SUK, TMM
304	We just need somebody to call McGuire just in case. Not Whiskey 105 where they want FAA at Whiskey 105. They want to hold them in Whiskey 105.	SUK, RTA	KT, RTA	SUK, RTA
876	Then give them the FAA and then pass all the instructions. Okay. We're getting two from Alpino with guns. Confirm. I'm working that right now. We're getting it.	SUK, COA	KT, COA	SUK, COA

## 2. Unexpected Codes

In similar research, evidence for several cognitive processes was not found or some cognitive processes were not used often.<sup>2</sup> For example, in Socias, 2008, the codes *CT*, *IIC2*, *TPR1*, *TNSA*, *FI*, and *TPR2* were not used. Based on Socias, 2008, we did not expect to use the previously stated codes often, if at all. However, the final coding for this thesis revealed some unexpected use of several of these codes. The codes include: Critical Thinking, Mental Simulation, Solution Option Generation, Feedback Interpretation, and Replanning.

<sup>2</sup> As per discussions with Hutchins and Kendall during final coding sessions.

The primary reason the coders for this thesis were able to apply the previously mentioned cognitive process codes to several communication turns in channel 2 is because the main team member on channel two is the MCC. The MCC during this crisis had the authority to make and execute very high-level decisions that had a critical impact on the resolution of the crisis.

As expected, a person making these types of decisions would need to apply the elements of critical thinking throughout the day. As per the definition given in this model, critical thinking “impacts the decision process and outcomes and can be indirectly measured.” For a communication turn to justify a code of CT, it needs to satisfy a list of measures that include: number of alternative assessments generated, accuracy of assessment, consensus on assessments, confidence in assessments, frequency of contingency planning and subjective evaluations of the process. When these measures are quantified the level of critical thinking can be graded. The higher the score the better the critical thinking (Cohen et al.,1998). The nature of these transcripts make it difficult to determine when a team member is using critical thinking. However, by grouping several communication turns together it became evident that the MCC was in fact doing critical thinking. Table 3 shows one example of a grouping of communication turns that combine to reveal critical thinking.

**Table 3. Communication Turns Coded as Representing Critical Thinking.**

<b>Transcript Line #</b>	<b>Communication Turn</b>	<b>Final Code</b>
305	We need to be more effective at something and stick them –	CT
309	Okay. Well, we can't they're in the FAA airspace. Well, we can – yeah, they're ours. Yeah, they're mine. Okay.	CT
311	You know what? I don't like them there.	CT
313	It's flying low.	CT

On several occasions, the MCC also verbalized that he was trying to think ahead and determine what actions would need to be taken in the future based on any unforeseen actions the terrorists might take. This type of thought process calls for the code Mental Simulation (MS). Table 4 includes several examples of

the MCC using MS to try to get his team ahead of the game rather than be in a reactionary mode. Some of the key terms used in these communication turns that indicate the MCC is doing mental simulation are: transcript line number 290 “this is what I foresee” and transcript line number 543 “this is what we’re expecting.”

**Table 4. Communication Turns Coded as Mental Simulation**

<b>Transcript Line #</b>	<b>Communication Turn</b>	<b>Final Code</b>
205	Are you good with that? What – wait – don’t put that in there. okay. Do we have a mission that we can pass to these guys? No, what they want to know is what kind of mission we passed to them hold. Do you see what I mean? Yeah, FAA as needed, and also we’re going to be – we worked out with FAA we’re gonna hold them south of the JFK for approximately 10 miles without any altitude that they can hold these guys at. We also have – main 85 whiskey 105. We can be used for this. We can scramble it, and we got this guy. Yeah. Okay. Bye. Okay. Tag them up. You good with that?	MS, TMM, RTA, ITK
290	Okay. Foxy, plug in. Okay. Foxy, this is what I foresee what we probably need to do. We need to talk to FAA. We need to tell them if this stuff’s gonna keep on going. We need to take those fighters, put them over Manhattan. Okay. That’s the best thing. That’s the best play right now. So coordinate with the FAA, tell them if there’s more out there which we don’t know, let’s get them over Manhattan at least we got some kind of play. Hold on	MS, RTA, COA
543	This is what we’re expecting for the NCA area.	MS
740	What we’re gonna have to do is talk to the commander there. He’s gonna have authority of that. I’ll work the deal. Yeah, Colonel Mar, he might need to call up the Toledo guy. Okay. Yeah.	MS

The natural progression from mental simulation is to move to solution option generation. Once mental simulation is complete, decision makers often move on to generate a list of options that satisfy the list of requirements identified through critical thinking and mental simulation. When this type of activity was identified it was characterized with the Solution Option Generation (SOG) code. Table 5 provides several good examples of when the MCC and his team worked through the solution option generation process. In particular transcript line

numbers 729-738 are excellent examples of the MCC and his team working to generate a solution that solves the requirement for the number of fighters he thinks he will need in the future.

**Table 5. Communication Turns Coded as Solution Option Generation.**

Transcript Line #	Communication Turn	Final Code
403	Okay. Talk to the guys from Suffolk. Those are the guys shifts down there. FAA. Yeah, Boston Center or Boston has this shut down by Boston Airport, and anything that's in the air, they're diverting out. I've been talking with Mr. Scoggins there from Boston center. He just wanted to know if we had any aircraft. I told him about the aircraft in the area that we have our fighters. Our fighters in the area, tankers and also – okay. Also we're in close contact, so If he sees anything squirrely he's gonna give us a yell, and we're gonna press. Yeah. Battle Stations are sitting in the down stations right now. Two tankers from McGuire KC10s full, and I got 60,000 offload for the Main 85. Okay. We probably won't need them, but just status them anyway. What the hell? More the merrier. Yes, sir. The 15s are 0 by 2 by gun. My recommendation if we have to take anybody out large aircraft we use A9s in the face. Yes, 8B. No, but he just said I need what assets I have. And that's my recommendation is from earlier tests. Okay. He has guys going out to the 105. OTIS soft has recalled all it's pilots for possible use, so we got more aircrafts on standby. Yeah, what – what they're looking for is pilots I guess. So the recalled all their pilots as best as they can get. Right. Recall all their pilots?	SOG, RTA, SUK, RTA
534	Sure. You can have Alpha through Foxtrot, is that	SOG, ITK, ITK
535	Alpha through foxtrot will be fine for right now. 6 to 50 concurrent or exclusive.	SOG
729	I'm talking to Toledo right now, and they maybe able to get somebody airborne.	SOG
730	Okay. In case they find somebody else.	SOG
731	As far as the suffrages there they got F16s.	SOG
732	What about Duluth?	SOG
734	Duluth you got no fighters.	SOG
735	We'll call in units and ask anybody in that area that we have a possible hijack.	SOG
736	I talked to the Great Lakes _____ and Toledo, they're gonna get somebody out there. And Duluth has night flying, so there's nobody available.	SOG
737	Yeah, we're pushing it.	SOG
738	I'm sorry, but you're the closest guide.	SOG

Throughout any crisis, key decision makers would be expected to listen to feedback on how well their selected course of action was meeting the goal. Once the feedback is considered, decision makers must decide whether to stay the course they have selected or whether they should begin to conduct some replanning. Table 6 provides an example of the MCC evaluating a decision that has been made and then making an effort to replan. In transcript line number 413, the MCC realized there was a third hijacked aircraft headed towards Washington. He quickly realized that the original number of response aircraft that were scrambled were not enough. He then replans by deciding that it will be necessary to scramble fighters from Langley to help deal with the new situation.

**Table 6. Examples of communication turns coded as replanning.**

<b>Transcript Line #</b>	<b>Communication Turn</b>	<b>Final Code</b>
413	Okay. Third aircraft hijacked heading toward Washington. Okay. American Airlines is still airborne 11, the first guy. He's heading toward Washington. Okay. I think we need to scramble Langley right now, and I'm gonna take the fighters from OTIS and try to chase this guy down if I find him. Yeah.. You sure. Okay. He's heading towards Langley or I should say Washington. American 11 the original guy he's still airborne. We're still getting a – we're getting position.	R, SUK, SUK

Table 7 provides some examples of communication turns where the MCC took time to conduct feedback interpretation and then replanned and selected a course of action based on the feedback.

**Table 7. Examples of communication turns coded as feedback interpretation.**

<b>Transcript Line #</b>	<b>Communication Turn</b>	<b>Final Code</b>
583	You guys switched 25 move in airspace and now you want him to go to Baltimore?	FI
584	Yes, sir. We're not gonna take him in Whiskey 386.	FI
585	Okay. Once he goes to Baltimore, what are we supposed to do?	FI
586	Just have him contact us on the auxiliary frequency 234.6. We just need – instead of taking handoff to us and then us handing him back. Just tell Center that they've got to go to Baltimore.	COA, R



### 3. Percentage of Codes

Analysis of the communication turns of the NEADS team members recorded on channel two on September 11, 2001, reveals they used 22 of the 26 cognitive process codes, or 84.6%, of the cognitive processes included in the model. This calculation includes the codes, course of action and request take action, under the Decision to take action category, but does not include the codes miscellaneous and not codeable. The four codes not used were *intuitive decision making (IDM)*, *storyboarding (S)*, *team pattern recognition 1* and *team pattern recognition 2*. *Intuitive decision making (IDM)* was not used because the definition calls for the team to recognize a situation as typical and therefore know exactly what course of action to take. The events of September 11, 2001, were anything but typical and did not present the kind of situation where the team at NEADS could rely on stored schemas. This highly novel, unanticipated scenario forced them into a reactionary mode that did not allow for intuitive decision making.

*Storyboarding (S)* was not used because the definition requires the analyst to determine if the team used the process of visual thinking and planning which requires the team to write and arrange their ideas on cards before taking action. While this type of brainstorming before deciding on action may have occurred at NEADS, because of the nature of the audio transcripts it is impossible to determine if it did take place. In addition, this type of decision making process is best suited for situations that allow for extended periods of time before a decision is made. In the case of the team at NEADS, each decision had to be made quickly and probably did not allow for *storyboarding (S)*.

*TPR1* and *TPR2* were not used because the modified definition we used, as described in the method section, required the team to recognize patterns and then communicate those patterns to the rest of the team. Aside from the initial recognition that there was a pattern developing regarding an unknown number of hijacked aircraft that were supposed to be heading to certain destinations but were not, the team did not verbalize any other pattern recognition. This initial

recognition of a pattern was assessed as occurring during the cognitive phase of *team knowledge building* and given the code *PRTA*. Table 8 displays the only two communication turns that revealed a pattern recognition of any kind for the entire transcript.

**Table 8. Communication turns coded with *PRTA*.**

Transcript Line #	Communication Turn	Final Code
37	767. 200 series. No idea how many people on board right now. They came from Boston; they're supposed to be going to LA. And they're headed south. They're going the wrong way, obviously.	PRTA, ITK
79	Mode 3 1443. Last known. No, this is real world. Okay were in the high check. Sir, last know position that we got out of this guy was right there at the V point. He's heading 190 at 29,000 feet. He's heading down. So we're looking for somebody – you know what just start hitting up tracks all around that area that V point. Okay. Just north of ahh there.	PRTA, KT, RTA

#### **4. Trends in the Codes *MISC* and *NC* Excluded**

ITK2 was the code most used with 506 out of 2008 (25.2%), *ITK2*. This is significant because it shows that the team was constantly trying to update their mental models. The key indicator for the code *ITK2* is when a team member asks a question and another team member gives a response. The team at NEADS was forced to continuously ask questions in order to ensure clarity because the situation on September 11 was constantly changing. *ITK2* was used more often than *ITK* because we characterized questions asked in the initial stages of developing the team mental model with *ITK*. The team was able to develop a consistent model after the second airplane hit the twin towers. Beyond this time period in the transcript the team made adjustments to their mental model but this was done at a higher level of cognition. Adjustments to the team mental model usually come after a series of questions or clarifications are asked and these questions and clarifications were given the code *ITK2*. Table 9 shows the cognitive codes and their respective percentages including the code *MISC* and *NC*.

**Table 9. Frequency and Percentage of Cognitive Processes Used Excluding the Codes Miscellaneous and Not Codeable.**

<b>Code</b>	<b>Cognitive Process</b>	<b>Number</b>	<b>Percentage</b>
<b>Individual Knowledge Building</b>			
IIC	Iterative Information Collection	13	0.06
ITK	Individual Task Knowledge Development	323	16.09
IMM	Individual Mental Model Development	38	1.89
<b>Team Knowledge Building</b>			
PRTA	Pattern Recognition and Trend Analysis	2	0.01
TMM	Team Mental Model Development	38	1.89
SUK	Sharing Unique Knowledge	133	6.62
UR	Uncertainty Resolution	23	1.15
KI	Knowledge Interoperability	28	1.39
<b>Developing Shared Problem Conceptualization</b>			
VRM	Visualization and Representation of Meaning	180	8.96
KT	Knowledge Transfer	75	3.74
TSU	Team Shared Understanding	245	12.20
<b>Team Consensus Development</b>			
CT	Critical Thinking	5	0.25
MS	Mental Simulation	13	0.65
IDM	Intuitive Decision Making	0	0.00
IIC2	Iterative Information Collection 2	3	0.15
ITK2	Individual Task Knowledge Development 2	506	25.20
SOG	Solution Option Generation	35	1.74
S	Storyboarding	0	0.00
TPR	Team Pattern Recognition	0	0.00
TNSA	Team Negotiation of Solution Alternatives	29	1.44
TMM2	Team Mental Model Development 2	42	2.09
<b>Outcome Appraisal</b>			

FI	Feedback Interpretation	30	1.49
R	Replanning	10	0.50
TPR2	Team Pattern Recognition 2	0	0.00
<b>Decision to Take Action</b>			
RTA	Request Take Action	164	8.17
COA	Course of Action	73	3.64
<b>Total</b>		2008	

Miscellaneous codes are important communication transactions that allow team members to “close the loop” on conversations but are not valuable for this thesis’ data analysis. The code NC was required for this analysis because numerous lines of the transaction were incoherent or incomplete. Many of the communication turns characterized with MISC were the relay of phone numbers from one organization to the next, as responders realized they needed to contact other commands to inform them of the situation. Appendix D includes a table that shows the percentage of codes used with the miscellaneous data and not codeable data removed.

## **B. INTER-RATER RELIABILITY ANALYSIS**

The use of two coders to code the transcript allowed for a test of the model regarding the relative subjectivity of the coders in their understanding and application of the codes when considering the cognitive processes included in the model. This test is referred to as the inter-rater reliability test. The inter-rater reliability analysis measures the degree of agreement between the two coders. It is useful as a tool to help refine the model so that the cognitive process definitions are explained in such a way that any coder trained in applying the model could reach an acceptable level of consensus when coding a given transcript. A low score could indicate that the coders need more training or that the model definitions need to be refined.

The inter-rater reliability analysis for the initial independent coding by the two coders shows that the coders agreed on 1797 codes for the 2338 communication turns coded or 76.89% of the time. During the final coding sessions, there were numerous discussions regarding clarification of how the individual codes should be used. This along with the slightly low inter-rater reliability score indicates that the macrocognitive process definitions may need to be modified or clarified for future application. For final coding although there was often debate over what final code to use, in the end the two primary coders agreed 100% of the time on which final code to use.

### **C. COGNITIVE PHASES**

After coding was complete, it became evident that the NEADS team was forced to shift their mental model several times throughout the day. The statistical analysis of the data was accomplished by dividing the transcriptions into four different time phases. These time phases were chosen based major event occurrences throughout the day where we predicted that the team's mental model and cognitive phase would change.

#### **1. The First Phase of NEADS Mental Model Development**

The first phase of analysis was based on individual mental model development. It began at the beginning of the incident through the first plane hitting the World Trade Center. During this time there was a lot of confusion at NEADS. NEADS had been conducting an exercise that included hijackings, at the time of the 9/11 attack, which distracted the team from developing a real-world mental model. When the initial information of the possible hijacking reached the MCC, the key leader was not in the work space. This required personnel of lower rank and less experience to make decisions in his absence.

Before September 11, 2001, the individual mental model typically understood or expected that the standard hijack would result in a plane landing at a discussed airport and negotiations for the conditions of release of the passengers would take place on the ground. Nobody anticipated that the planes

would be used as a bomb or missile. When the first aircraft hit the World Trade Center everyone had to shift their mental model.

## **2. The Second Time Phase NEADS Mental Model Development**

The second phase began from the time the first aircraft hit the first tower and continues until the attack on the Pentagon. During this phase it was demonstrated that there was a shift in thought process and team building. The team understood that it could no longer consider the hijackings as traditional and new ways of dealing with this sort of incident needed to be considered. The team began to become homogenous.

## **3. The Third Time Phase NEADS Mental Model Development**

The third phase of analysis begins with the attack on the Pentagon through the time period when shoot down authority was granted. There has never been a precedence when commercial aircraft have been authorized to be shot down by a US Military aircraft over US airspace. During this critical phase of decision making on September 11, 2001, the Vice President of the United States granted full authority to shoot down any aircraft over US Airspace if it did not respond to military escorts, squawk modes two and three, or appeared to be hostile.

During phase three, there was a shift in targets from civilian entities like the World Trade Center buildings to political establishments such as the Pentagon and the White House. Every aircraft that was not accounted for was targeted as a threat. Additionally, all of the communications, including radios and commercial phone capabilities, were ineffective. The decision to launch E-3 Airborne Warning and Control System (AWACS) aircraft was done during this phase to support the loss of command and control.

#### 4. The Fourth Time Phase NEADS Mental Model Development

The fourth and final phase of analysis of this data is from the timeframe after the authority to engage unidentified aircraft through the continuous effort to maintain situational awareness. During this final phase, there was still uncertainty as to if there were additional hijacked aircraft. Military fighters and tankers were patrolling in sectors over major US cities in the event that they had to escort or shoot down commercial aircraft. This final phase showed significant use of the cognitive process codes *replanning (R)* and *mental simulation (MS)*.

To add to the confusion, US Army National Guard from New Jersey did not have modes two and three loaded in their helicopter that was transporting law enforcement officials to New York City. An F-16 fighter instructed the helicopter to land and would not allow the helicopter to go airborne until the correct modes and codes were uploaded. Due to the nature of the National Guard at that time, the modes and codes were constantly changing. A reassignment of law enforcement codes were subsequently assigned to the helicopters. Table 10 below detail the event described above.

**Table 10. Example of Confusion.**

<b>Transcript Line #</b>	<b>Communication Turn</b>	<b>Final Code</b>
2260	Okay. Here's a problem. I'm with the New Jersey Army National Guard.	TSU
2261	And I have couple UH60s up. A UH1 and a UH60 up trying to police from Trenton area and _____ area up to Newark.	KT
2262	And we don't have the transponders squawking to set clearance to the area, so one of them just got put on the ground be a F16. not shot down, but told to land and don't take off again by an F16. So what I need is a transponder squawk so that these guys can interrogate us and let us know that we can clear through the area.	KT, SUK, RTA
2263	All right. What are you in New York's airspace right now?	ITK2
2264	No, we're in New Jersey's airspace.	ITK2
2273	We don't have a squawk that's the problem. We need to know the squawk we're supposed to be squawking in mode 4.	TSU, ITK2

2282	Your unit is assigned mode 2.	ITK2
2283	Yeah, but the problem is it's army code and they do changes.	KT
2284	Okay. Make sure they stay on their mode 2, they'll know they're military aircraft, but we need to ID them by mode 3. So I'll get you a mode 3, but I need the lat./long. position if you can get it.	RTA, ITK2

#### D. CHI-SQUARE ANALYSIS

The *chi-square distribution* (chi-square) is one of the most widely used theoretical probability distributions in inferential statistics, e.g., in statistical significance tests. It is useful because, under reasonable assumptions, easily calculated quantities can be shown to have distributions that approximate to the chi-square distribution if the null hypothesis is true (Keller, 2005). Chi-square, while not “proving” or explaining causality, can show significant statistical differences among the usage of the cognitive process codes and therefore highlight these variables for further chi-square investigation and discussion.

An analysis was completed to determine if there were significant differences in the distribution of cognitive process codes in relation to the different time phases as described above. The chi-square analyses were done in three different sub-sets of the data.

Sub-set 1: A comparison of all twenty-six macrocognitive process codes between all four time phases of the event.

- The *first phase* of NEADS mental model development (Start of event through the first airplane impacting the World Trade Center)
- The *second time phase* NEADS mental model development (The first airplane impacting the World Trade Center through the Pentagon attack)
- The *third time phase* NEADS mental model development (The Pentagon attack through the order from the Regional Commander to shoot down non-responsive aircraft)
- The *fourth time phase* NEADS mental model development (Shoot down order through the end of the event)



Sub-set 2: A comparison of all twenty-six cognitive process codes between each time phase of the event compared to all other time phases of the event combined.

- First time phase compared to the combination of the second third and fourth time phases.
- Second time phase compared to the combination of the first, third, and fourth time phases.
- Third time phase compared to the combination of the first, second, and fourth time phases.
- Fourth time phase compared to the combination of the first, second, and third time phases.

Sub-set 3: A comparison of all codes from the first three macrocognitive phases (*individual knowledge building, team knowledge building, and developing shared problem conceptualization*) and the last three macrocognitive phases (*team consensus development, outcome appraisal, and decision to take action*)

- Macrocognitive phase 1-3 compared to time phase 1 and 2
- Macrocognitive phase 1-3 compared to time phase 3 and 4
- Macrocognitive phase 4-6 compared to time phase 1 and 2
- Macrocognitive phase 4-6 compared to time phase 3 and 4

In each case, we expected to see some statistically significant difference in the use of the different macrocognitive processes compared to the four time phases. We expected this because the NEADS team appeared to make major changes to their mental model as the day progressed.

Sub-set 1: A comparison of all twenty-six macrocognitive process codes between all four time phases of the event. The data used to calculate the chi square value for sub set 1 is displayed in Appendix C.

When all of the twenty-six cognitive phase codes were compared across all four time phases of the event (sub-set 1), the chi-square value (75 df) was 1211.22 and  $\alpha < .01$ . There is less than a 1% probability that the

results we generated happened randomly (Type I error). However the chi-square test on this sub-set of data only reveals that there is some significant difference between one or more of the time phases, it does not reveal which time phases are different.

Sub-set 2: A comparison of the frequency of use for all twenty-six cognitive process codes between each time phase of the event compared to all other time phases of the event combined. The data used to calculate the chi-square value for sub-set 2 is displayed in Appendix C.

After determining that there were some significant differences in the frequency of occurrence of the cognitive processes of the model of team collaboration between the four time phases, we decided to compare the twenty-six cognitive phases across one time phase at a time in relation to all of the other time phases combined (sub-set 2). The resulting chi-square value for each comparison made is displayed in Table 11 below. The results show that there is a significant difference between the cognitive phase the team was in during each time phase when compared to the cognitive phase they were in during the other three time phases. The chi-square value for each comparison is large enough with one degree of freedom that the probability these results happened randomly is less than .01.

**Table 11. Summary of Chi-Square Analysis for all Twenty-six Cognitive Process Categories between Different Time Phases.**

Time phase	Time phase	Chi-square value	Degrees of Freedom	P < X
1	2, 3 and 4	357.81	25	P<.01
2	1, 3 and 4	680.37	25	P<.01
3	1, 2 and 4	94.78	25	P<.01
4	1, 2 and 3	548.42	25	P<.01

Sub-set 3: All codes from the first three macrocognitive phases (*individual knowledge building, team knowledge building, and developing shared problem conceptualization*) and the last three macrocognitive phases (*team consensus development, outcome appraisal, and decision to take action*). The data used to calculate the chi square value for sub set 3 is displayed in Appendix C.

Finally, we completed a chi-square analysis for the first three macrocognitive categories, and the last three macrocognitive categories, between time phase 1 and 2 combined and time phase 3 and 4 combined. We did this because, in general terms, the first three cognitive categories entail data collection and individual and team mental model development while the last three cognitive categories entail actual decision generation, execution and evaluation. Because the *decision to take action* category involves the process of executing decisions we grouped it under the later cognitive categories. We grouped time phase one and two together and three and four together because we expected that there would be a significant difference in the team's cognitive processes used during the first two time phases relative to the last two time phases. As displayed in Table 12, the results of the chi-square analysis show that there is in fact a significant difference in the team's cognitive processes between the two groupings of time phase. I.E. the teams cognitive process was significantly different during time phase one and two as compared to time phase three and four. Again there is a less than 1% chance that the results produced occurred due to random chance.

**Table 12. Summary of Chi Square Analysis for Cognitive Categories 1-3 and 4-6 Between Time Phase 1-2 and 3-4.**

Time phase	Time phase	Chi-square value	Degrees of Freedom	P < X
1 and 2	3 and 4	158.57	1	P<.01

## E. ADHERENCE TO SOP

We did not have access to the NEADS SOP, because they are classified, however they have one and they followed it because it was most likely developed to deal with a standard model of hijacking i.e., terrorists hijack a plane, find a place to land, and threaten to kill hostages if their demands are not met.

Throughout the day the NEADS team was forced to deal with a different model and adapt their SOP to deal with this new situation. Fortunately the MCC was able to adapt to the situation and make key decisions that he would not normally be asked to make. An example of a communication turn where the MCC verbalized this is displayed in Table 14.

**Table 13. MCC Taking Things Into His Own Hands.**

Transcript Line #	Communication Turn	Final Code
770	Turn them. I'll pay for it. I got a credit card. Okay. At what two – Yeah, well, we're going there. Okay. Yeah, I'll tell you what the history on that is. The fucking Giant Killer sent them out to 386. Yeah, it's going – yeah, that's what I did. Well, we couldn't get them. Okay. Bye. Make sure where the information came from that the Pentagon was hit though. I don't know where –	COA, TSU, TMM2
1866	I'll be the one going to jail. Hey, what the hell? I'll take you out _____, Bubba. Okay. You are on orders. I don't care. It's authorized. I authorized a bunch of people.	MISC

## F. CONCLUSION

Throughout the day on September 11, 2001, the team at NEADS was forced to deal with an extraordinary situation that had never occurred before. Team members were forced to be flexible and adapt and change their pre-existing mental models for how most previous hijackings developed and concluded. Fortunately, the MCC was able to adapt to the situation and made key decisions that he would not normally be asked to make.

## **1. Use of the Codes**

The events surrounding the NEADS participation in the September 11 crisis provided an excellent test of the structural model of team collaboration. Analysis of the communication turns at the MCC position show that they used 22 of the 26 cognitive process codes. This does not indicate however that the codes that were not used are irrelevant for the model. It was simply too difficult to determine if the cognitive processes defined by those codes were actually taking place because of the nature of the audio on channel 2.

## **2. Chi-Square Results**

The results of the chi-square analysis lend further weight to the validity of the model. The results show that the team moved between the various cognitive phases suggested by the model throughout the day. While the model does not implicitly suggest that a team will move from the earlier cognitive phases to the later cognitive phases of the model in a smooth progression the research for this thesis indicates that the NEADS team definitely made a progression from the earlier cognitive phases to the later cognitive phases during the time analyzed. This is most evident from the chi-square analysis comparing the combination of the first three cognitive phases to the last three cognitive phases between the first two time phases and the last two time phase. There was a statistically significant difference between the proportionality of the codes used when comparing these groupings of time and cognitive phase.

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## **VI. RECOMMENDATIONS FOR FUTURE RESEARCH**

### **A. CODE ALL OF THE RELEVANT CHANNELS**

Because each channel only represents a small portion of the entire team effort of NEADS on September 11, 2001 it would be useful to transcribe and code all of the relevant channels. Once the relevant channels are transcribed, some audio software could be used to align the channels in order to determine what each team member was doing at any given moment, how long it took the team to reach a shared mental model and how efficiently and accurately information was being presented to the key decision makers and how quickly decision makers acted on the information.

As part of a thesis that includes an analysis of the relevant audio channels, the writer could include some of the calculations called for when using the codes, recognition of expertise and building common ground.

### **B. STANDARD OPERATING PROCEDURE**

The standard operating procedure (SOP) for NORAD/NEADS is classified and therefore not useful for this thesis. However, it would be of benefit for someone to acquire the NORAD/NEADS SOP and write a classified thesis that examines how well the team followed their own SOP, find any occurrences of when they did not follow SOP, and how and when they were forced to work outside of SOP because of the uniqueness of the situation. NORAD/NEADS may have already modified their SOP to deal with more dynamic types of situations; however a close examination of the relevant channels could reveal some good suggestions for inclusion in the NORAD/NEADS SOP.

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## APPENDIX A: EXAMPLES OF MACROCOGNITIVE PROCESSES IN THE STRUCTURAL MODEL OF TEAM COLLABORATION USED BY NEADS ON CHANNEL 2

**Table 14. Macroognitive Process Codes: Examples From Channel 2 Transcript.**

Macroognitive Process Codes and Examples	
1.	<p><b>IIC: Iterative Information Collection</b></p> <ul style="list-style-type: none"> <li>• “We were checking to get some information from you if I could.”</li> <li>• “Ok what would you what do you need?”</li> <li>• “We need callsign type aircraft.”</li> </ul>
2.	<p><b>ITK: Individual Task Knowledge Development</b></p> <ul style="list-style-type: none"> <li>• “Hey, I’m getting reports from my TRACON there might be a possible hijacking.”</li> <li>• “I’m just hearing the same thing. We’re working it right now.”</li> <li>• “Ahh you want the type and stuff, what do you mean?”</li> <li>• “Yeah, Like passengers on board, where it came”</li> </ul>
3.	<p><b>IMM: Individual Mental Model Development</b></p> <ul style="list-style-type: none"> <li>• “We do have a tail number.”</li> <li>• “That might be the fifth airplane.”</li> <li>• “Right there. He’s gone. I don’t see him. Wait a minute.”</li> </ul>
4.	<p><b>PRTA: Pattern Recognition and Trend Analysis</b></p> <ul style="list-style-type: none"> <li>• “767. 200 series. No idea how many people on board right now. They came from Boston; they’re supposed to be going to LA. And they’re headed south. They’re going the wrong way, obviously.”</li> <li>• “Mode 3 1443. Last known. No, this is real world. Okay were in the high check. Sir, last know position that we got out of this guy was right there at the V point. He’s heading 190 at 29,000 feet. He’s heading down. So we’re looking for somebody – you know what just start hitting up tracks all around that area that V point. Okay. Just north of ahh there.”</li> </ul>
5.	<p><b>TMM: Team Mental Model Development</b></p> <ul style="list-style-type: none"> <li>• “Can you pick call signs? They’re gonna give them priority – I’ve got amplifying data up here, I can write it all down. I got to get off the position.”</li> <li>• “290 is supposed to be going to LA _____ says they’re going to New York.”</li> </ul>

	<ul style="list-style-type: none"> <li>• “True, and probably right now with what’s going on in the cockpit is probably really crazy, so they need us to – that will simmer down, and we can probably get some better information. I’ve scramble OTIS already for your direct. We’re sending them in that general direction. We’re sending them right to that V point, and then we can maneuver them as deemed right. We’ll work with them, make sure weapons works with them. We’re hitting up a 25 mile radius getting what we can get out of there.”</li> </ul>
6.	<p><b>SUK: Sharing Unique Knowledge</b></p> <ul style="list-style-type: none"> <li>• “We just did a 25 mile track area, track production area where we’re just beating that whole area up.”</li> <li>• “I was talking with IG we got a phone call that came down to us saying that they had a possible hijack out of Boston.”</li> <li>• “They’re still under FA control. We never gonna take them. “</li> </ul>
7.	<p><b>UR: Uncertainty Resolution</b></p> <ul style="list-style-type: none"> <li>• “Confirmed – Boston Center has confirmed that was the aircraft. American Airlines hit the World Trade Center. No, and aircraft.”</li> <li>• “I never heard them say American Airlines hit the World Trade Center.”</li> <li>• “Okay. Boston just talked to us, just called up, and they said, he doesn’t want to confirm this or not, but they’re pretty sure that that is – that was the aircraft. Unconfirmed from Boston. Yeah, they’re pretty doggone sure it is him. Yep. I think we put the emphasis on the hold. What do you think? Is Conar coming up with the same thing?”</li> </ul>
8.	<p><b>KI: Knowledge Interoperability</b></p> <ul style="list-style-type: none"> <li>• “Conar has been trying it though. The second suspected aircraft is United 175.”</li> <li>• “Roger. I’m not telling them anything other than the fact that I just want”</li> <li>• “Get them to the airspace.”</li> <li>• “-- and this is what we’re expecting.”</li> </ul>
9.	<p><b>VRM: Visualization and Representation of Meaning</b></p> <ul style="list-style-type: none"> <li>• “This is the lat long their showing them at.”</li> <li>• “Can you point – can you point in or something for us.”</li> <li>• “That’s what were seeing right now.”</li> <li>• “At this time – They’re paired right there.”</li> </ul>
10.	<p><b>KT: Knowledge Transfer</b></p> <ul style="list-style-type: none"> <li>• “That determination hasn’t been made yet. Let me, if you could just hold on a moment, I’m going to get -- we’ve got some coordination going on right now. I think they said they are going to put OTIS on battle stations. That’s</li> </ul>

	<p>why I would anticipate the aircraft to be based on going to JFK they would be our closest asset.”</p> <ul style="list-style-type: none"> <li>• “Mode 3 1443. Last known. No, this is real world. Okay were in the high check. Sir, last know position that we got out of this guy was right there at the V point. He’s heading 190 at 29,000 feet. He’s heading down. So we’re looking for somebody – you know what just start hitting up tracks all around that area that V point. Okay. Just north of ahh there.”</li> <li>• “Okay. So if we can find it, we’ll intercept it. Okay. Now, you said something hit the World Trade Center or something reports. Okay. Okay. Okay. No, keep on going with it.”</li> </ul>
11.	<p><b>TSU: Team Shared Understanding</b></p> <ul style="list-style-type: none"> <li>• “Can’t do a God damn thing about it either. Okay. Guys I need some – I need no shit one tracker coming out of Boston that whole area. Anybody and I need another tracker just around this whole area of Manhattan.”</li> <li>• “Okay. What I’ve also done is that I have trackers over Boston, JFK and in between there, and we’re gonna try to pick up anything that we can.”</li> <li>• “Go low, turn the squawks off and then do their runs.”</li> </ul>
12.	<p><b>CT: Critical Thinking</b></p> <ul style="list-style-type: none"> <li>• “We need to be more effective at something and stick them-”</li> <li>• “Okay. Well, we can’t they’re in the FAA airspace. Well, we can – yeah, they’re ours. Yeah, they’re mine. Okay.”</li> <li>• “You know what? I don’t like them there.”</li> <li>• “It’s flying low.”</li> <li>• “505 airborne. I through them in there originally for a pivotal point. Good move. Move them down there. That’s what I’m getting.”</li> </ul>
13.	<p><b>MS: Mental Simulation</b></p> <ul style="list-style-type: none"> <li>• “Are you good with that? What – wait – don’t put that in there. okay. Do we have a mission that we can pass to these guys? No, what they want to know is what kind of mission we passed to them hold. Do you see what I mean? Yeah, FAA as needed, and also we’re going to be – we worked out with FAA we’re gonna hold them south of the JFK for approximately 10 miles without any altitude that they can hold these guys at. We also have – main 85 whiskey 105. We can be used for this. We can scramble it, and we got this guy. Yeah. Okay. Bye. Okay. Tag them up. You good with that?”</li> <li>• “Okay. Foxy, plug in. Okay. Foxy, this is what I foresee what we probably need to do. We need to talk to FAA. We need to tell them if this stuff’s gonna keep on going. We need to take those fighters, put them over Manhattan. Okay. That’s the best thing. That’s the best play right now. So coordinate with the FAA, tell them if there’s more out there which we don’t know, let’s get them over Manhattan at least we got some kind of</li> </ul>

	<p>play. Hold on”</p> <ul style="list-style-type: none"> <li>• “What we’re gonna have to do is talk to the commander there. He’s gonna have authority of that. I’ll work the deal. Yeah, Colonel Mar, he might need to call up the Toledo guy. Okay. Yeah.”</li> </ul>
14.	<p><b>IDM: Intuitive Decision Making</b></p> <ul style="list-style-type: none"> <li>• Was not used for channel 2 transcript</li> </ul>
15.	<p><b>IIC2: Iterative Information Collection 2</b></p> <ul style="list-style-type: none"> <li>• “Standby. What was the airborne time?”</li> <li>• “52”</li> <li>• “How big are these planes?”</li> </ul>
16.	<p><b>ITK2: Individual Task Knowledge Development 2</b></p> <ul style="list-style-type: none"> <li>• “Do you care what altitude they go to Baltimore at just get down there?”</li> <li>• “Just as long as they get there.”</li> <li>• “And they’re just gonna hold over Baltimore?”</li> <li>• “For right now, ma’am. Yes.”</li> </ul>
17.	<p><b>SOG: Solution Option Generation</b></p> <ul style="list-style-type: none"> <li>• “Okay. Talk to the guys from Suffolk. Those are the guys shifts down there. FAA. Yeah, Boston Center or Boston has this shut down by Boston Airport, and anything that’s in the air, they’re diverting out. I’ve been talking with Mr. Scoggins there from Boston center. He just wanted to know if we had any aircraft. I told him about the aircraft in the area that we have our fighters. Our fighters in the area, tankers and also – okay. Also we’re in close contact, so If he sees anything squirrely he’s gonna give us a yell, and we’re gonna press. Yeah. Battle Stations are sitting in the down stations right now. Two tankers from McGuire KC10s full, and I got 60,000 offload for the Main 85. Okay. We probably won’t need them, but just status them anyway. What the hell? More the merrier. Yes, sir. The 15s are 0 by 2 by gun. My recommendation if we have to take anybody out large aircraft we use A9s in the face. Yes, 8B. No, but he just said I need what assets I have. And that’s my recommendation is from earlier tests. Okay. He has guys going out to the 105. OTIS soft has recalled all it’s pilots for possible use, so we got more aircrafts on standby. Yeah, what – what they’re looking for is pilots I guess. So the recalled all their pilots as best as they can get. Right. Recall all their pilots?”</li> <li>• “Sure. You can have Alpha through Foxtrot, is that enough? Is that where you want to put him or”</li> <li>• “Is it all right if Center talks to them the whole way to Baltimore? Is he gonna hold over Baltimore like”</li> </ul>
18.	<p><b>S: Storyboarding</b></p>

	<ul style="list-style-type: none"> <li>Was not used for channel 2 transcript</li> </ul>
19.	<b>TPR1: Team Pattern Recognition 1</b> <ul style="list-style-type: none"> <li>Was not used for channel 2 transcript</li> </ul>
20.	<b>TNSA: Team Negotiation of Solution Alternatives</b> <ul style="list-style-type: none"> <li>“Okay. What I would like to do if I could possibly steal some aircraft out of cargo from you guys if need be.”</li> <li>“Okay. You want us to bring two up at Fargo?”</li> <li>“Yeah, would you please.”</li> </ul>
21.	<b>TMM2: Team Mental Model Development 2</b> <ul style="list-style-type: none"> <li>“Okay. What else do we got here. Junabi, what do you got?”</li> <li>“We’re inbound on them. “</li> <li>“I think they’re dong the area, aren’t they?”</li> <li>“Yeah, they’re doing the area.”</li> <li>“Holy shit. All right. Who else we got? And Jeff’s doing – Jeff’s watching where? Cleveland or he’s watching LS?”</li> <li>“Yeah, he’s watching the _____ area.”</li> </ul>
22.	<b>FI: Feedback Interpretation</b> <ul style="list-style-type: none"> <li>“They’re not gonna let them hold over New York City.”</li> <li>“They might. They still want them to go.”</li> <li>“Do you want him in AR track or just orbiting in”</li> <li>“We need them to get down to Whiskey 386.”</li> <li>“You don’t care where just in 386?”</li> <li>“Just enter 386, kick them over to our frequency, and we’ll take care of them after that.”</li> </ul>
23.	<b>R: Replanning</b> <ul style="list-style-type: none"> <li>“Just have him contact us on the auxiliary frequency 234.6. We just need – instead of taking handoff to us and then us handing him back. Just tell Center that they’ve got to go to Baltimore.”</li> <li>“We’re gonna turn him and crank it up. Here we go. This is what we’re gonna do here.”</li> <li>“We got a team flight what options you gonna work out in New York City?”</li> </ul>
24.	<b>TPR2: Team Pattern Recognition 2</b> <ul style="list-style-type: none"> <li>Was not used for channel 2 transcript</li> </ul>

25.	<b>RTA: Request Take Action</b> <ul style="list-style-type: none"> <li>• “Quit 25 huntress confirm squawking 7777. “</li> <li>• “Calm down. I think he’s – you might want to contact Bill. He said that he got stepped on and trying to work on Suffrage. Talking about Suffrage, did anybody get in contact with them yet? Good. They’re mine.”</li> <li>• “FB pick up your hotline.”</li> </ul>
26.	<b>COA: Course of Action</b> <ul style="list-style-type: none"> <li>• “For your ICCs? Well, I’m gonna try to get an E3 over Chicago because I got no radar and no radios over that airspace, so work them. You know what? Call them. Call Pinker right now. Call command posts and if need be I’ll talk to the guy.”</li> <li>• “This guy right here. We need fighters on this guy right there.”</li> <li>• “Get those three and get some more aircrafts available out of OTIS.”</li> </ul>
27.	<b>MISC: Miscellaneous</b> <ul style="list-style-type: none"> <li>• “Can you see if this is up to snuff”</li> <li>• “The person at extension 4747347”</li> <li>• “Let me transfer you to the front desk.”</li> </ul>
28.	<b>NC: Not Codeable</b> <ul style="list-style-type: none"> <li>• “Really quickly”</li> <li>• “Man, I got to pee.”</li> <li>• “Team 21”</li> </ul>

**APPENDIX B: COGNITIVE PROCESS CODE OCCURRENCES,  
AND PERCENTAGES WITH *MISC* AND *NC*.**

<b>Code</b>	<b>Cognitive Process</b>	<b>Number</b>	<b>Percentage</b>
<b>Individual Knowledge Building</b>			
IIC	Iterative Information Collection	13	0.05
ITK	Individual Task Knowledge Development	323	11.96
IMM	Individual Mental Model Development	38	1.41
<b>Team Knowledge Building</b>			
PRTA	Pattern Recognition and Trend Analysis	2	0.01
TMM	Team Mental Model Development	38	1.41
SUK	Sharing Unique Knowledge	133	4.93
UR	Uncertainty Resolution	23	0.85
KI	Knowledge Interoperability	28	1.04
<b>Developing Shared Problem Conceptualization</b>			
VRM	Visualization and Representation of Meaning	180	6.67
KT	Knowledge Transfer	75	2.78
TSU	Team Shared Understanding	245	9.07
<b>Team Consensus Development</b>			
CT	Critical Thinking	5	0.19
MS	Mental Simulation	13	0.48
IDM	Intuitive Decision Making	0	0.00
IIC2	Iterative Information Collection 2	3	<.01
ITK2	Individual Task Knowledge Development 2	506	18.74
SOG	Solution Option Generation	35	1.30
S	Storyboarding	0	0.00
TPR	Team Pattern Recognition	0	0.00
TNSA	Team Negotiation of Solution Alternatives	29	1.07
TMM2	Team Mental Model Development 2	42	1.56

<b>Outcome Appraisal</b>			
FI	Feedback Interpretation	30	1.11
R	Replanning	10	0.37
TPR2	Team Pattern Recognition 2	0	0.00
<b>Taking Actions</b>			
RTA	Request Take Action	164	6.07
COA	Course of Action	73	2.70
MISC	Miscellaneous	500	18.52
NC	Not Codeable	192	7.11
<b>Total</b>		2700	



## APPENDIX C: OBSERVED DATA USED TO CALCULATE CHI SQUARE VALUES

**Table 15. Observed Values For Chi Square Data Sub-Set 1**

Code Number	1	2	3	4	5	6	7
Cognitive Code	IIC	ITK	IMM	PRTA	TMM	SUK	UR
Time Pase 1	12	49	2	2	5	5	0
Time Pase 2	1	243	2	0	27	45	12
Time Pase 3	0	22	4	0	5	28	1
Time Pase 4	0	10	7	0	0	54	10
Total	13	324	15	2	37	132	23

Code Number	8	9	10	11	12	13	14
Cognitive Code	KI	VRM	KT	TSU	CT	MS	IDM
Time Pase 1	1	7	4	0	0	0	0
Time Pase 2	5	28	15	20	5	4	0
Time Pase 3	0	51	13	69	0	5	0
Time Pase 4	22	93	45	161	0	4	0
Total	28	179	77	250	5	13	0

Code Number	15	16	17	18	19	20	21
Cognitive Code	IIC2	SOG	S	TRP1	TNSA	ITK2	TMM2
Time Pase 1	0	0	0	0	0	0	0
Time Pase 2	3	15	0	0	1	16	7
Time Pase 3	0	7	0	0	0	121	5
Time Pase 4	0	13	0	0	25	392	30
Total	3	35	0	0	26	529	42

Code Number	22	23	24	25	26
Cognitive Code	FI	R	TPR2	RTA	COA
Time Pase 1	0	0	0	15	6
Time Pase 2	13	5	0	48	35
Time Pase 3	2	0	0	23	13
Time Pase 4	15	5	0	76	19
Total	30	10	0	162	73

**Table 16. Observed Values For Chi Square Data Sub-Set 2 for Time Phase 1 vs. 2-4**

Code Number	1	2	3	4	5	6	7
Cognitive Code	IIC	ITK	IMM	PRTA	TMM	SUK	UR
Time Phase 1	12	49	2	2	5	5	0
Time Pase 2-4	14	599	28	2	69	259	46
	26	648	30	4	74	264	46

Code Number	8	9	10	11	12	13	14
Cognitive Code	KI	VRM	KT	TSU	CT	MS	IDM
Time Phase 1	1	7	4	0	0	0	0
Time Pase 2-4	26	648	30	4	74	264	46

Code Number	15	16	17	18	19	20	21
Cognitive Code	IIC2	SOG	S	TPR1	TNSA	ITK2	TMM2
Time Phase 1	0	0	0	0	0	0	0
Time Pase 2-4	9	16	14	11	12	13	14

Code Number	22	23	24	25	26
Cognitive Code	FI	R	TPR2	RTA	COA
Time Phase 1	0	0	0	15	6
Time Pase 2-4	15	16	17	18	19

**Table 17. Observed Values For Chi Square Data Sub-Set 2 for Time Phase 2 vs. 1 and 3-4**

Code Number	1	2	3	4	5	6	7
Cognitive Code	IIC	ITK	IMM	PRTA	TMM	SUK	UR
Time Phase 2	1	243	2	0	27	45	12
Time Pase 1 and 3-4	0	0	0	0	0	0	0

Code Number	8	9	10	11	12	13	14
Cognitive Code	KI	VRM	KT	TSU	CT	MS	IDM
Time Phase 2	5	28	15	20	5	4	0
Time Pase 1 and 3-4	1	243	2	0	27	45	12

Code Number	15	16	17	18	19	20	21
Cognitive Code	IIC2	SOG	S	TPR1	TNSA	ITK2	TMM2
Time Phase 2	3	15	0	0	1	16	7
Time Pase 1 and 3-4	13	37	25	31	17	17	14

Code Number	22	23	24	25	26
Cognitive Code	FI	R	TPR2	RTA	COA
Time Phase 2	13	5	0	48	35
Time Pase 1 and 3-4	18	31	17	18	20

**Table 18. Observed Values For Chi Square Data Sub-Set 2 for Time Phase 3 vs. 1-2 and 4**

Code Number	1	2	3	4	5	6	7
Cognitive Code	IIC	ITK	IMM	PRTA	TMM	SUK	UR
Time Phase 2	0	22	4	0	5	28	1
Time Pase 1 and 3-4	26	626	26	4	69	236	45

Code Number	8	9	10	11	12	13	14
Cognitive Code	KI	VRM	KT	TSU	CT	MS	IDM
Time Phase 2	0	51	13	69	0	5	0
Time Pase 1 and 3-4	1	24	7	4	10	34	8

Code Number	15	16	17	18	19	20	21
Cognitive Code	IIC2	SOG	S	TPR1	TNSA	ITK2	TMM2
Time Phase 2	0	7	0	0	0	121	5
Time Pase 1 and 3-4	8	60	23	80	12	18	14

Code Number	22	23	24	25	26
Cognitive Code	FI	R	TPR2	RTA	COA
Time Phase 2	2	0	0	23	13
Time Pase 1 and 3-4	15	23	17	18	19

**Table 19. Observed Values For Chi Square Data Sub-Set 2 for Time Phase 4 vs. 1-3**

Code Number	1	2	3	4	5	6	7
Cognitive Code	IIC	ITK	IMM	PRTA	TMM	SUK	UR
Time Phase 2	0	10	7	0	0	54	10
Time Pase 1 and 3-4	13	324	15	2	37	132	23

Code Number	8	9	10	11	12	13	14
Cognitive Code	KI	VRM	KT	TSU	CT	MS	IDM
Time Phase 2	22	93	45	161	0	4	0
Time Pase 1 and 3-4	1	12	10	4	5	60	17

Code Number	15	16	17	18	19	20	21
Cognitive Code	IIC2	SOG	S	TPR1	TNSA	ITK2	TMM2
Time Phase 2	0	13	0	0	25	392	30
Time Pase 1 and 3-4	30	102	55	172	12	17	14

Code Number	22	23	24	25	26
Cognitive Code	FI	R	TPR2	RTA	COA
Time Phase 2	15	5	0	76	19
Time Pase 1 and 3-4	15	29	17	18	44

**Table 20. Observed Values For Chi Square Data Sub-Set 3 for Macroognitive Categories 1-3 and 4-6 vs. Time Phase 1-2 and 3-4**

		Time Phase	
		1 and 2	3 and 4
Cognitive Phase	1, 2 and 3	485	592
	4, 5 and 6	173	758

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## APPENDIX D: NORAD TRANSCRIPTS FROM CHANNEL 2

**Table 21. Complete Channel 2 Transcript with Final Cognitive Process Codes**

1	<i>Sergeant M:</i>	Major N, your need in ops pronto. Major N, your need in ops pronto. North East Air Defense Sector, how can I help you?	RTA
2	<i>Sergeant K:</i>	Hey, Sergeant K from Otis, how you doing today?	MISC
3	<i>Sergeant M:</i>	Yeah, go ahead.	MISC
4	<i>Sergeant K:</i>	Hey, I'm getting reports from my TRACON there might be a possible hijacking.	ITK
5	<i>Sergeant M:</i>	I'm just hearing the same thing. We're working it right now.	ITK
6	<i>Sergeant K:</i>	Okay. Thanks.	MISC
7	<i>Sergeant M:</i>	Yep. Bye. Can I get an MCC here?	RTA
8	<i>Speaker 2:</i>	Sir. Sir. Yeah, I got a MCC coming in to talk to you to handle all this.	ITK
9	<i>Foxy:</i>	You called N right?	IIC
10	<i>Huntress:</i>	Yeah, Huntress, calling in reference to the hijacked aircraft.	MISC
11	<i>Speaker 3:</i>	Yeah.	MISC
12	<i>Huntress:</i>	We were checking to get some information from you if I could.	IIC
13	<i>Speaker 3:</i>	Ok what would you what do you need?	IIC
14	<i>Huntress:</i>	We need callsign type aircraft.	IIC
15	<i>Major N:</i>	American 11.	IIC
16	<i>Huntress:</i>	American 11.	ITK
17	<i>Major N:</i>	Yeah.	ITK
18	<i>Major J:</i>	High this is Major J can I help you?	MISC
19	<i>J. C. :</i>	Hi J. C. from, and there's a hijack in progress.	IMM
20	<i>Major J:</i>	Do you have a mode 3 on it.	IIC
21	<i>J. C.</i>	No it's a primary target only.	IIC
22	<i>Female Speakers:</i>	Hey N?	MISC
23	<i>Speaker 3:</i>	Where's New York?	ITK
24	<i>Female Speakers:</i>	We're the only ones seeing it.	SUK

25	Major N:	Okay.	MISC
26	Female Speaker:	We're thinking he wants to go into JFK.	IMM
27	Male Speaker	Okay. Where is he?	ITK
28	Female Speakers:	_____.	NC
29	Male Speaker	No get me the track number. Hit it up on something.	RTA
30	Major J:	190	IIC
31	J. C.	387 knots	IIC
32	Major J:	387 knots.	IIC
33	J. C.	The last known altitude was flight level 290 but we cannot confirm that.	IIC
34	Major J:	290. Do you have time to give me any other amplifying information on it?	IIC, IIC
35	J. C.	Ahh you want the type and stuff, what do you mean?	ITK, ITK
36	Major J:	Yeah, Like passengers on board, where it came from?	ITK, ITK
37	J. C.	767. 200 series. No idea how many people on board right now. They came from Boston; they're supposed to be going to LA. And they're headed south. They're going the wrong way, obviously.	ITK, PRTA
38	Major J:	Okay. Okay. Thank you very much.	MISC
39	J. C.	Where are they coming -- who are you going to send, do you know?	ITK
40	Major J:	That determination hasn't been made yet. Let me, if you could just hold on a moment, I'm going to get -- we've got some coordination going on right now. I think they said they are going to put OTIS on battle stations. That's why I would anticipate the aircraft to be based on going to JFK they would be our closest asset.	ITK, KT
41	J. C.	Okay. Let me give you my commercial number in case we get disconnected here.	MISC
42	Major J:	Okay.	MISC
43	J. C.	603	MISC
44	Major J:	603	MISC
45	J. C.	879	MISC
46	Major J:	879	MISC



47	J. C.	6666	MISC
48	Major J:	66 – that's a scary number. 6666. And your number again, sir. Joe?	MISC
49	J. C.	J. C. .	MISC
50	Major J:	Cooper.	ITK
51	J. C.	You can talk to anyone here. Everybody knows what's going on.	ITK
52	Major J:	Ok	IKT
53	J. C.	All right. So I'll stay on hold and give me the call signs at least so we can give them priority to get them going.	ITK
54	Major J:	Oh, okay. Standby.	ITK
55	Sergeant M:	John, we got OTIS on battle stations.	SUK
56	Female Speakers:	Can you pick call signs? They're gonna give them priority – I've got amplifying data up here, I can write it all down. I got to get off the position.	RTA, TMM
57	Sergeant M:	1241 battle stations.	COA
58	Sergeant M:	Got to get a mode 3. That's gonna help us out big time. No, ma'am.	RTA
59	Sergeant M:	Can't recall it.	NC
60	Male Speaker background:	52	NC
61	Sergeant M:	52 and – okay. What we're looking at right now is we need to make sure that inland 55, 56 and 62 stay up and are good to go.	COA
62	Femal Speaker background:	3 Call commercial.	NC
63	Sergeant M:	Uh-huh.	NC
64	Sergeant M:	I've never seen so much real world stuff happening during an exercise.	MISC
65	Femal Speaker Background:	3 This is the lat long their showing them at.	VRM
66	Sergeant M:	Speed?	ITK
67	Sergeant M:	Lat/long 41	ITK
68	Speaker 5:	_____.	NC
69	Sergeant M:	Right.	ITK
70	Speaker 5:	73	NC
71	Sergeant M:	What was that?	ITK

72	<i>Speaker background:</i>	6290 is supposed to be going to LA _____ says they're going to New York.	TMM
73	<i>Sergeant M:</i>	Okay. Let's find this guy.	RTA
74	<i>Sergeant M:</i>	Yeah, 41 – remember we're putting it in.	ITK
75	<i>Speaker 5:</i>	1443	ITK
76	<i>Sergeant M:</i>	1443 look for it.	RTA
77	<i>Speaker 5:</i>	I just put the v point for it.	ITK
78	<i>Sergeant M:</i>	Right there. Okay.	ITK
79	<i>Sergeant M:</i>	Mode 3 1443. Last known. No, this is real world. Okay were in the high check. Sir, last know position that we got out of this guy was right there at the V point. He's heading 190 at 29,000 feet. He's heading down. So we're looking for somebody – you know what just start hitting up tracks all around that area that V point. Okay. Just north of ahh there.	KT, PRTA, RTA
80	<i>Sergeant M:</i>	FDMC please scramble Otis	COA
81	<i>Sergeant M:</i>	Copy same mission.	ITK
82	<i>Male Speaker</i>	MCC I don't know where I'm scrambling these guys to. I need a direction, a destination.	ITK, RTA
83	<i>Sergeant M:</i>	Okay I'm gonna give you V point.	ITK
84	<i>Sergeant M:</i>	It's just north of New York City.	ITK
85	<i>Male Speaker:</i>	I got this Lat/Long 4115:7436 or 7346.	ITK
86	<i>Sergeant M:</i>	Head them in that direction.	COA
87	<i>Male Speaker:</i>	Copy that.	MISC
88	<i>Sergeant M:</i>	It doesn't matter.	NC
89	<i>speaker background</i>	They're not talking.	NC
90	<i>Sergeant M:</i>	We're gonna need a 29 –	NC
91	<i>Male Speaker</i>	Boston and New York aren't talking huh?	SUK
92	<i>Sergeant M:</i>	Hold off. Hold on. Hang on.	MISC
93	<i>Speaker 1:</i>	We're gonna get priority so.	NC
94	<i>Sergeant M:</i>	All right.	NC
95	<i>Sergeant M:</i>	He's not squawking. Yeah, nothing. Do it again? 1443.	VRM, RTA
96	<i>Major N</i>	Have you guys gotten any of the information on this yet?	ITK

97	<i>Speaker 1:</i>	Only thing we know is it's American Airlines supposed to be going into LAX	ITK
98	<i>Sergeant M:</i>	Say again.	MISC
99	<i>Speaker 1:</i>	_____.	NC
100	<i>Sergeant M:</i>	Okay. I can probably – let me just. Who's got it? Hi, sir. Okay. What we're doing, we're trying to locate this guy. We can find him via IFF what we're gonna do. We're gonna hit up every track within a 25 miles radius of this V point that we put on the scope. 29,000 heading 190, we're gonna try to find this guy. They can't find him and supposedly there's threats in the cockpit, so we're just ah were doing the thing.	MISC, ITK, KT, SUK, MISC, TMM (OVERALL)
101	<i>Major N</i>	_____.	NC
102	<i>Sergeant M:</i>	True, and probably right now with what's going on in the cockpit is probably really crazy, so they need us to – that will simmer down, and we can probably get some better information. I've scramble OTIS already for your direct. We're sending them in that general direction. We're sending them right to that V point, and then we can maneuver them as deemed right. We'll work with them, make sure weapons works with them. We're hitting up a 25 mile radius getting what we can get out of there.	TMM
103	<i>Major N</i>	Are we in contact with –	NC
104	<i>Speaker 1:</i>	46, 15 miles east of kenedy	NC
105	<i>Male Speaker background:</i>	46 copy	NC
106	<i>Sergeant M:</i>	ID 46 scramble.	COA
107	<i>Major N:</i>	Right there.	VRM
108	<i>Speaker 1:</i>	Yeah, 300 knots roughly.	ITK
109	<i>Sergeant M:</i>	at 46 scramble.	ITK
110	<i>Major N</i>	NEADS MCC Go	MISC
111	<i>sergeant xxx</i>	Hey, Sir this is sergeant xxx at Conar.	MISC
112	<i>sergeant xxx</i>	The general would like – do you have radar coverage on this guy?	ITK
113	<i>Major N</i>	We are picking them up – we've think we've picked them up right now. In search only track, he's approximately 20 –	ITK

114	<i>sergeant xxx</i>	Can you point – can you point in or something for us.	RTA, VRM
115	<i>Major N</i>	We are getting ready to do that right now.	RTA
116	<i>sergeant xxx</i>	Great.	MISC
117	<i>Major N</i>	We're getting ready to do it	ITK
118	<i>Speaker 11:</i>	Yeah, I understand.	MISC
119	<i>Major N</i>	We just did a 25 mile track area, track production area where we're just beating that whole area up.	SUK
120	<i>sergeant xxx</i>	Right.	MISC
121	<i>Major N</i>	Were doing the best that we can.	MISC
122	<i>sergeant xxx</i>	So I can be looking forward to it on our screen momentarily?	ITK, VRM
123	<i>Major N</i>	It's in and out and in and out, so we can't give a good warm feely on that.	ITK
124	<i>sergeant xxx</i>	Right. Copy that, sir. Thanks a lot, appreciate it.	MIS
125	<i>Major N</i>	Okay. Yeah, that's Conar.	MISC
126	<i>Speaker 1:</i>	That's what were seeing right now.	VRM
127	<i>Major N</i>	Yeah, but this – I don't think it's anything. How about that guy right there?	VRM, ITK
128	<i>Male Speaker:</i>	Roger that. Ill do what we can.	MISC
129	<i>Major N</i>	Yes.	MISC
130	<i>Speaker 1:</i>	Are they airborne?	ITK
131	<i>Major N</i>	Yes, 46.	ITK
132	<i>Speaker 1:</i>	Somebody _____?	NC
133	<i>Major N</i>	Got it. Let's kick this down just a hair. Scramble that 46, excuse me.	RTA, COA
134	<i>Speaker 1:</i>	_____ 46 or airborne 46?	ITK
135	<i>Major N</i>	SD, MCC. 046 scramble time. 46 scramble time.	ITK
136	<i>Speaker 1:</i>	American Airlines 11.	MISC
137	<i>Major N</i>	11. Yes, sir?	MISC

138	Major N	Nope, not yet. We're still trying to – we think we might have them just east of New York, but it's – no. Nope. We're just – we got American Airlines. It's 767. American Airlines 11. Yes, American Airlines 11. Okay. And we just got a call from Conar – well can you put it in we haven't found them yet, so I already told them that. So if you want to, you can do that.	TMM, RTA
139	Speaker background:	15 miles due east of JFK.	NC
140	Major N:	Are you good with that?	ITK
141	Major N	Yep.	MISC
142	Speaker 1:	All right.	MISC
143	Speaker background:	The last position I got from Boston was 15 miles east of JFK. Okay.	NC
144	Female Speaker background:	That last one was 4039:740 – haven't given us another update.	NC
145	Major N	You know what – don't talk to them. Tell them to talk to me. No, just tell them to call me at the MCC position, 6311.	RTA
146	Major N	Okay. So if we can find it, we'll intercept it. Okay. Now, you said something hit the World Trade Center or something reports. Okay. Okay. Okay. No, keep on going with it.	KT, ITK, RTA
147	Speaker 13:	I was talking with IG we got a phone call that came down to us saying that they had a possible hijack out of Boston.	SUK
148	Major N	Alright	MISC
149	Speaker 13:	And I just flipped around and we were just we always monitor the news. And a 737 hit the World Trade Center, and I was just curious at the same time if that was the aircraft?	TSU, ITK
150	Speaker 13:	Last I knew they had a primary on it and the tracking was not squawking 7500,	ITK
151	Major N	could be it	ITK
152	speaker 13:	but it was under duress.	ITK
153	Major N	Send them to New York City still? Continue a go.	ITK
154	Speaker:	Sir, hold on.	MISC
155	Major N	Okay. Who's plugged in up there?	NC

156	<i>Speaker 3:</i>	Me.	NC
157	<i>Major N</i>	Plug in.	NC
158	<i>Speaker 13:</i>	I'm gonna have to have you hold on for a minute.	NC
159	<i>Major N</i>	Okay. This is what I got so far.	NC
160	<i>Speaker 13:</i>	Okay.	NC
161	<i>Major N</i>	Okay. This is what we – okay. Now, we do, this is what I got. Possible news of a 737 just hit the World Trade Center. This is the real world, and we're trying to confirm this. Okay. continue taking the fighters down to the New York City area, JFK area the best that you can, make sure the FAA clears your route all the way through. Let's do what we got to do, okay? Just press with us – it looks like this guy could have hit the World Trade Center.	TMM, COA, TMM
162	<i>Speaker:</i>	Okay. Until we're confirmed it's gonna be a lot easier for me to get down to this area to bring them out like this rather than through all this traffic. Until that's confirmed do you want me to bring them down this way?	KT, RTA
163	<i>Major N</i>	Yeah, work with FAA just tell them clear you a route, clear you a route.	RTA
164	<i>speaker:</i>	Yes sir.	MISC
165	<i>Speaker 13:</i>	52 airborne?.	ITK
166	<i>Major N</i>	52 airborne.	ITK
167	<i>Speaker 13:</i>	Thank you, sir.	MISC
168	<i>Speaker</i>	He was calling with the airborne stuff.	MISC
169	<i>Major N:</i>	Sure. I just need to see far out for that.	NC
170	<i>Speaker 12:</i>	No, they've got all that stuff back there.	NC
171	<i>Major N</i>	They say he just crashed into the World Trade Center. That was the last call.	UR
172	<i>Speaker 12:</i>	Right there.	MISC
173	<i>Major N</i>	Alright this is what I want. That's what supposedly done it.	ITK
174	<i>Speaker 12:</i>	That's what was going in.	NC

175	Major N	Okay. All right. Our last actual reported position if he didn't crash into the World Trade Center was 20 miles south of JFK. So I want you take them down into this area. Put them in the hold as needed, whatever altitude they need to go for center to make this work it's fine with me, but that's the area I went them to go and hold right in that little gap there. That last view point making sure FA clears out a route. All right. this is what we're doing. We're taking them down into this area.	TMM, COA
176	Female Speakers:	Okay.	MISC
177	Major N	At hold for now. Whatever altitude center needs for them to do that is fine.	ITK
178	Speaker 13:	So you want me to have them hold.	ITK
179	Major N	The thing is that their weapons stay inactive.	COA
180	Major N	The fighters should be talking center. They're gonna pass that through the fighters exactly what we want them to do. No.	ITK
181	Speaker 1:	I left a message with _____?	NC
182	Major N	No, no, no. Because if he's still airborne – okay. If you can hand the fighter over directly to FA, so they can –	RTA
183	Speaker 1:	They're still under FA control. We never gonna take them.	SUK
184	Major N	Work with them, coordinate with them as best that you can with that, take to that area, and let them handle that air space. Okay. Another heads up.	COA
185	Speaker 10:	They're not gonna let them hold over New York City.	FI
186	Major N	They might. They still want them to go.	FI
187	Speaker 10:	Confirmed.	MISC
188	Major N	Confirmed – Boston Center has confirmed that was the aircraft. American Airlines hit the World Trade Center. No, and aircraft.	UR
189	Speaker 13:	I never heard them say American Airlines hit the World Trade Center.	UR
190	Major N	Okay. Both here – okay. So what did they say about that aircraft that hit the building, the World Trade Center.	ITK, UR
191	Speaker 10:	That's –	NC

192	Major N	Okay. Boston just talked to us, just called up, and they said, he doesn't want to confirm this or not, but they're pretty sure that that is – that was the aircraft. Unconfirmed from Boston. Yeah, they're pretty doggone sure it is him. Yep. I think we put the emphasis on the hold. What do you think? Is Conar coming up with the same thing?	UR
193	Speaker 10:	Yes.	UR
194	Major N	It's possible. This is – that was the possible aircraft, the hijack aircraft.	UR
195	Speaker 10:	Is he airborne?	ITK
196	Major N	Did you get the tail number, Foxy?	ITK
197	Foxy:	Standby. What was the airborne time?	IIC2
198	Speaker:	52	IIC2
199	Major N	Did you get the tail number? Okay. Good. Can they give us a mission?	ITK, ITK
200	Speaker:	Right now the mission is hold that's all that we have.	ITK
201	Major N	Okay. I'm –	MISC
202	Speaker 13:	They got them basically just coming just south of Long Island and holding at whatever altitude Center wants to put them at.	ITK
203	Major N	Right. Okay.	MISC
204	Speaker 13:	Other that.	MISC
205	Major N	Are you good with that? What – wait – don't put that in there. okay. Do we have a mission that we can pass to these guys? No, what they want to know is what kind of mission we passed to them hold. Do you see what I mean? Yeah, FAA as needed, and also we're going to be – we worked out with FAA we're gonna hold them south of the JFK for approximately 10 miles without any altitude that they can hold these guys at. We also have – main 85 whiskey 105. We can be used for this. We can scramble it, and we got this guy. Yeah. Okay. Bye. Okay. Tag them up. You good with that?	ITK, RTA, TMM, MS
206	Major N	Main 85 and whiskey 105 called giant killer get a code.	COA



207	Major N	Yeah. Calling American Airlines for souls on ah... and where was I? I was on the shitter. I heard this, "Oh my God."	MISC
208	Speaker 4:	Get your ass in here pronto.	MISC
209	Major N	I knew that was an exercise. Okay. Tell me what you have. Tell me what you have.	MISC, RTA
210	Speaker 2:	We've got _____.	NC
211	Major N	Hey, is that the Delta out there?	ITK
212	Female Speakers:	They're flying the Delta –	ITK
213	Major N	The Delta's up there, 53. Okay.	ITK
214	Speaker 1:	That's not what they told me, so sorry. Where are they going this way?	ITK
215	Major N	Just across this way FA. They get them and stuff. No, not yet. No, not yet. We'll get to that.	ITK
216	Speaker 1:	What I want you to do is start calling the squadrons out at McGuire –	COA
217	Major N	FA FCC.	MISC
218	Speaker 1:	See if they got anybody airborne, and I'm looking for anybody in this whole –	RTA
219	Major N	Excuse me.	MISC
220	Speaker 1:	All of them, They have like four squads at McGuire. I want you to go down –	SUK, RTA
221	Female Speakers:	They don't want to confirm this. They're down to – 8 knots.	NC
222	Speaker 1:	381 1635.	NC
223	Major N	Okay. Let's hear – yeah, press. Go with this.	RTA
224	Speaker 1:	Any fighters are pretty much unusable.	TMM
225	Major N	Why?	ITK
226	Speaker 1:	Cause he's way – he's almost to 102 already.	ITK
227	Speaker 10:	I got the guys calling McGuire squadron by squadron. We're gonna find a McGuire –	SUK
228	Speaker 10:	They're somewhere in this area.	UR, VRM
229	Major N	Is he on his way home? It looks like main 85 or is he out there. Delta wing. Just a minute, Stac. I'll get you the codes. That's why was asking how long that tanker can stay over there.	ITK, RTA, KT
230	H:	76th pilot office, this is H how may I help you?	MISC

231	Major N	Yeah, how you doing this is Huntress calling.	MISC
232	H:	I'm sorry.	MISC
233	Major N	Huntress North East Air Defense is this KC135.	ITK
234	H:	No, this is KC10.	ITK
235	Major N	KC10?	ITK
236	H:	Uh-huh.	ITK
237	Major N	Oh, okay.	MISC
238	Major N	Wrong number, huh?	ITK
239	Major N	Thank you.	MISC
240	H:	Bye.	MISC
241	Major N	Bye. Okay.	MISC
242	Speaker 19:	Nobody's home at Rocco and nobody's airborne at _____.	SUK
243	Speaker 10:	_____ has just been hit. We got them off, but –	NC
244	Foxy:	That was possible hijack.	ITK
245	Speaker 10:	Possible hijack. We let now planes in the sky.	ITK
246	Foxy:	No Squawk.	ITK
247	Speaker 10:	No Squawk.	ITK
248	Major N:	I don't know.	ITK
249	Speaker 20:	This is _____ pilot's shop. KC10. This is Holly. May I help you?	MISC
250	Major N:	KC10 should not be dead if _____.	NC
251	Speaker 20:	That's right.	NC
252	Major N:	Hey, you guys have anybody up there flying near the JFK area.	ITK
253	Foxy:	Hey, sir, we have a second hijack.	SUK
254	Speaker 20:	I don't know let me check.	ITK
255	Foxy:	United. Standby, sir.	ITK
256	Speaker 10:	You have the number.	ITK
257	Major N:	After the second team.	NC
258	Foxy:	Sir, we got an unconfirmed second hit from another aircraft.	TMM
259	Speaker 1:	We have nothing in the area.	ITK
260	Speaker 10:	All right. Keep calling them.	RTA
261	Foxy:	From Boston, sir.	ITK
262	Speaker:	Major Reyes. Hello.	MISC
263	Sergeant B:	How you doing, sir? This is Sergeant B over at –	MISC

264	Sergeant B:	We got a hijack. I don't if you guys already know that.	TMM
265	Major N:	We couple flights out with assists LAX, and we're wondering if you happen to have any airborne access with the 1075 area.	ITK
266	Sergeant B:	We got a crew airborne right now.	ITK
267	Sergeant B:	I don't where they went though. I think 204 or 212. You can find them. They're team 23. Two crews airborne right now. Team 23 and team 24. New York Center will be working – they're up north-east of New York. Would be my guess. I can look at my computer.	ITK, SUK, VRM
268	Major N:	Okay, sir.	MISC
269	Sergeant B:	They're airborne. Two DC10s and they've got a lot of fuel there. They're heavyweights, so they'll have enough fuel to be airborne almost all day.	SUK, TMM
270	Major N:	DC10.	ITK
271	Major N:	And it's team 23 and team 24.	ITK
272	Major N:	Okay. So you wouldn't happen to have flight –	ITK
273	Sergeant B:	Is this explosion part of that that we're looking at now on TV?	ITK
274	Major N:	Yes.	ITK
275	Sergeant B:	Jesus.	MISC
276	Major N:	There's a second hijack also of United Airlines.	SUK
277	Sergeant B:	New York Center is who you need to get a hold of.	ITK
278	Major N:	Thanks, I'll do that.	ITK
279	Sergeant B:	All right. Thank you. Bye.	MISC
280	Major N:	Bye. I got team 23 and team 24 airborne in New York Center air space. They're north-east of New York right now, two DC10s and they've got a lot of gas. I got to go past this – give me the _____ number. 8Speaker 190 – 9Speaker 190. Okay. Is somebody –	TSU, RTA
281	Sergeant B:	Okay. So he's on his way. Okay.	TSU
282	Major N:	What is that?	ITK
283	Sergeant B:	The tanker is on it's way to us. There was a tanker right there and we've been trying to raise him.	TSU
284	Major N:	Two planes –	ITK

285	<i>Speaker 13:</i>	How big are these planes?	IIC2
286	<i>Major N:</i>	Untied 175.	ITK
287	<i>Speaker 13:</i>	What are they packing?	ITK
288	<i>Major N:</i>	And the American was 11? You want to do me a favor?	ITK
289	<i>Sergeant B:</i>	See if IME can do flight plans for these guys, team 23 and team 24. Two DC10s, they're on 204 or 212.	RTA, KT
290	<i>Major N:</i>	Okay. Foxy, plug in. Okay. Foxy, this is what I foresee what we probably need to do. We need to talk to FAA. We need to tell them if this stuff's gonna keep on going. We need to take those fighters, put them over Manhattan. Okay. That's the best thing. That's the best play right now. So coordinate with the FAA, tell them if there's more out there which we don't know, let's get them over Manhattan at least we got some kind of play. Hold on	RTA, MS, COA
291	<i>Foxy:</i>	Are you sure?	ITK
292	<i>Major N:</i>	Yes, I'm sure. Unbelievable. I need some _____, man.	ITK
293	<i>Foxy:</i>	I got a phone call for you.	MISC
294	<i>Major N:</i>	Yes, please.	MISC
295	<i>Foxy:</i>	This is what I told the SB so far.	MISC
296	<i>Major N:</i>	Yeah, have ID call whoever they can to get it because I can't get New York.	RTA
297	<i>Speaker 13:</i>	All of New York City, yep.	ITK
298	<i>Speaker 1:</i>	Conar has been trying it though. The second suspected aircraft is United 175.	KI
299	<i>Major N:</i>	Here's a – okay. We can do that. Okay. Yeah, this is what I got going. Tell Foxy to scramble Langley and send them in the same location.	MISC, COA
300	<i>Speaker 1:</i>	Battle Stations or Scramble?	ITK
301	<i>Major N:</i>	Battle stations only at Langley. Okay. Who's up there? Okay. Are you listening? This is what I told the SB so far. We need to get those fighters over Manhattan because we don't know how many guys are out of Boston and _____ again.	ITK, KI, COA
302	<i>Speaker 1:</i>	It could be just two. It could be more.	ITK
303	<i>Major N:</i>	I don't know.	ITK

304	<i>Speaker 1:</i>	We just need somebody to call McGuire just in case. Not Whiskey 105 where they want FAA at Whiskey 105. They want to hold them in Whiskey 105.	RTA, SUK
305	<i>Major N:</i>	We need to be more effective at something and stick them –	CT
306	<i>Speaker 1:</i>	There's some places being at 130.	ITK
307	<i>Major N:</i>	We're working tankers. That other main is going in.	ITK
308	<i>Speaker 13:</i>	We're working McGuire that whole area.	ITK
309	<i>Major N:</i>	Okay. Well, we can't they're in the FAA airspace. Well, we can – yeah, they're ours. Yeah, they're mine. Okay.	CT
310	<i>Speaker 1:</i>	I have command post. OTC. Thank you	MISC
311	<i>Major N:</i>	You know what? I don't like them there.	CT
312	<i>Speaker 1:</i>	We don't have anything on the – the female who was that?	ITK
313	<i>Major N:</i>	It's flying low.	CT
314	<i>Speaker 1:</i>	Command post.	MISC
315	<i>Foxy:</i>	Just for IDs –	MISC
316	<i>Foxy:</i>	We're gonna park them in the north-west corner.	ITK
317	<i>Major N:</i>	Okay. I want those fighters closer in. I want them south of JFK.	COA
318	<i>Speaker 1:</i>	OTC right here. DSN 5745411 that's the OTC.	ITK
319	<i>Major N:</i>	Fighters. Okay. What's the number to New York Center.	ITK
320	<i>Speaker:</i>	80708	ITK
321	<i>Major N:</i>	I'm gonna call -- I think they're in Boston Center airspace. I'm not sure –	ITK
322	<i>Speaker 1:</i>	Who the fighters?	ITK
323	<i>Major N:</i>	No, the tankers are looking for – forget about the teams.	ITK
324	<i>Sergeant P:</i>	Hey, this is Sergeant P calling from huntress – all right. Did you all just get the battle station – I'm sorry.	ITK
325	<i>Major N:</i>	Can't do a God damn thing about it either. Okay. Guys I need some – I need no shit one tracker coming out of Boston that whole area. Anybody and I need another tracker just around this whole area of Manhattan.	TSU

326	Speaker 1:	I'm just trying to get New York. Okay. The New York guys aren't answering.	ITK
327	Major N:	What?	ITK
328	Speaker 1:	I'm trying to get them, so it's one way I can help you.	ITK
329	Speaker 13:	No, we've got Maine. Tell them thanks we'll call them back if we need them.	RTA
330	Major N:	Okay. What I've also done is that I have trackers over Boston, JFK and in between there, and we're gonna try to pick up anything that we can.	TSU
331	Speaker 1:	What we're doing is moving through Boston –	NC
332	Major N:	These two guys.	VRM
333	Speaker 1:	Go low, turn the squawks off and then do their runs.	TSU
334	Major N:	That's the only thing that we can ascertain because we not seeing these guys until -- we got two hits from those guys. From the initial one the American Airlines after that we didn't see them. That's all we can do. Who's on the phone?	TMM, ITK
335	Foxy:	Somebody up north.	ITK
336	Speaker 13:	Have you been watching the news?	MISC
337	Foxy:	So who is it? Langley?	ITK
338	Major N:	Langley command post.	ITK
339	Speaker 17:	This is NASA.	ITK
340	Major N:	How you doing, sir. This is in reference to the active air. We're trying to reach the military coordinator.	IIC
341	Speaker 17:	Yeah.	MISC
342	Major N:	We're having a difficult time. We need a question that the fighter hold over New York, and –	ITK
343	Speaker 17:	Standby. One.	MISC
344	Major N:	Yeah, quick 25, 26.	NC
345	Speaker 17:	Ok it's a question that they hold over New York City. Is that what you're saying.	ITK
346	Major N:	Yes. Go.	MISC
347	Major M:	This is Major M. Who am I speaking to?	ITK
348	Major N:	Yeah, this is Major _____. Go ahead.	ITK
349	Major M:	Hey, nasty are you guys watching CNN?	ITK

350	Major N:	Yeah, we are in situation right now. I'm kind of busy.	ITK
351	Major M:	Okay. I just wanted to know. Bye.	ITK
352	Major N:	Yeah, where are you at here? Okay.	ITK
353	Speaker 1:	I'm kind of busy with all that stuff right now. I'll let him know. Yep.	ITK
354	Speaker 13:	We got OTIS.	MISC
355	Major N:	They're working that right now.	NC
356	Speaker 13:	We've got main in the airspace. We've got _____ in the off load. We've got McGuire offering two more tankers if we need them.	TMM
357	Speaker 13:	We can call them –	MISC
358	Major N:	Give McGuire – give me a KC10 and stick them in 107.	COA
359	Speaker 13:	Both of them?	ITK
360	Major N:	One.	ITK
361	Speaker 13:	One.	ITK
362	Major N:	KC10 should do us fine. Put it in 107.	ITK, COA
363	Foxy:	Let the _____ know that or what?	ITK
364	Major N:	I'm gonna do it.	ITK
365	Foxy:	Okay.	MISC
366	Major N:	Take the call. Yes, sir. We've got Main 85 going to Whiskey 105 right now. We also have the fighters holding there. We're trying to move them down south of JFK. Okay. We got some bad scoop from FAA, so we got Main 85, he's going Whiskey 105, so that's no problem. He's got lots of fuel. Foxy, he's already talking to them. I got another – I got two offers up from McGuire for KC10s. I'm taking one KC10 and putting it in Whiskey 107 and hold him there for Langley guys. And we're gonna probably put the Langley guys -- if we get them if we want to scramble Langley guys, we'll stick them just south – so we can do back up as well. Okay. We haven't gotten that yet. We'll get it.	RTA, TMM
367	Foxy:	Where's KC10 coming from?	ITK
368	Major N:	McGuire.	ITK
369	Foxy:	You want me to track that?	IKT
370	Major N:	Yeah. Forward tell this guy.	NC
371	Foxy:	Main 85 still in the same place?	ITK
372	Major N:	Yes, go. Thanks.	ITK

373	<i>Female Speakers:</i>	They blocked out all the –	NC
374	<i>Speaker 1:</i>	I'll tell you what _____.	NC
375	<i>Major N:</i>	Tuesday morning. 12 – yes, we're talking 200, between 150 and 150. Yeah, 200 per aircraft. Okay. Hey, Iceman,	SUK
376	<i>Iceman:</i>	Yeah.	MISC
377	<i>Major N:</i>	I got a KC10 I'm sticking him in Whiskey 107 for just in case.	KT
378	<i>Iceman:</i>	Oh, you did.	ITK
379	<i>Major N:</i>	I'm gonna stick him in there.	ITK
380	<i>Iceman:</i>	How much time do you got?	ITK
381	<i>Major N:</i>	KC10 he's fresh. He's fresh.	ITK
382	<i>Iceman:</i>	That's good.	NC
383	<i>Major N:</i>	That's on the track. Woohoo.	NC
384	<i>Speaker 13:</i>	We got to stay plugged to _____.	NC
385	<i>Speaker 13:</i>	Sitting there working your tag.	NC
386	<i>Speaker 13:</i>	Need another telephone line to anybody.	NC
387	<i>Major N:</i>	Where's Main 85 from?	ITK
388	<i>Speaker:</i>	Say again.	ITK
389	<i>Major N:</i>	Yeah, they're airborne. They're PA.	ITK
390	<i>Speaker 13:</i>	Yeah, how about the other aircraft?	ITK
391	<i>Major N:</i>	What other aircraft? Oh, we haven't launched him yet. Can you grab that.	ITK, SUK
392	<i>Speaker 13:</i>	They're on standby basis.	TSU
393	<i>Major N:</i>	Basically yeah, and anybody that we could. They're working that issue right now. Yeah.	TSU
394	<i>Speaker 13:</i>	Main 85 65,000 pounds off.	TSU
395	<i>Foxy:</i>	I've got team 23 and 24 on. McGuire on route to 107.	TSU
396	<i>Foxy:</i>	All of them are loaded.	TSU
397	<i>Major N:</i>	Okay. Cool. You got that. They got call signs on _____? Sounds brutal. What are you gonna do? Okay. Cancelled	TSU
398	<i>Speaker 1:</i>	We need to find a number for the 106.	RTA
399	<i>Major N:</i>	Which is?	ITK
400	<i>Speaker 1:</i>	Need a number for the 106.	ITK
401	<i>Foxy:</i>	106 fighter –	ITK
402	<i>Speaker 1:</i>	Got one of two helicopters on standby for _____ for the FAA.	SUK



403	<i>Major N:</i>	Okay. Talk to the guys from Suffolk. Those are the guys shifts down there. FAA. Yeah, Boston Center or Boston has this shut down by Boston Airport, and anything that's in the air, they're diverting out. I've been talking with Mr. Scoggins there from Boston center. He just wanted to know if we had any aircraft. I told him about the aircraft in the area that we have our fighters. Our fighters in the area, tankers and also – okay. Also we're in close contact, so If he sees anything squirrely he's gonna give us a yell, and we're gonna press. Yeah. Battle Stations are sitting in the down stations right now. Two tankers from McGuire KC10s full, and I got 60,000 offload for the Main 85. Okay. We probably won't need them, but just status them anyway. What the hell? More the merrier. Yes, sir. The 15s are 0 by 2 by gun. My recommendation if we have to take anybody out large aircraft we use A9s in the face. Yes, 8B. No, but he just said I need what assets I have. And that's my recommendation is from earlier tests. Okay. He has guys going out to the 105. OTIS soft has recalled all it's pilots for possible use, so we got more aircrafts on standby. Yeah, what – what they're looking for is pilots I guess. So the recalled all their pilots as best as they can get. Right. Recall all their pilots?	RTA, SUK, RTA, SOG
404	<i>Speaker 1:</i>	No, they had six aircrafts that were going out on training missions.	SUK
405	<i>Major N:</i>	Six aircrafts going out on training, and we recalled them back?	ITK
406	<i>Speaker 1:</i>	Yes.	ITK
407	<i>Major N:</i>	Recalled them, and they're ready. Do we need to upload them? Yeah, ask the question, probably put the – put slammers if need be put slammers and heaters. Okay. Bye. Can somebody get me a cup of coffee? I don't know. Where'd Joe go? I don't even have one.	ITK, COA
408	<i>Foxy:</i>	Okay. All right.	MISC
409	<i>Major N:</i>	That's fine.	MISC
410	<i>Speaker 1:</i>	What's OTIS at 45 and 46 that's gonna use them. You guys are airborne now?	ITK, ITK

411	Major N:	Shit. Give me a location.	ITK
412	Speaker 1:	They're airborne now. That's the one we –	ITK
413	Major N:	Okay. Third aircraft hijacked heading toward Washington. Okay. American Airlines is still airborne 11, the first guy. He's heading toward Washington. Okay. I think we need to scramble Langley right now, and I'm gonna take the fighters from OTIS and try to chase this guy down if I find him. Yeah.. You sure. Okay. He's heading towards Langley or I should say Washington. American 11 the original guy he's still airborne. We're still getting a – we're getting position.	SUK, SUK, R
414	Foxy:	You got a position.	ITK
415	Major N:	We're got a couple of hijackers coming in real world. Got to go. Okay. Foxy, scramble Langley, head them towards the Washington area.	ITK, COA
416	Foxy:	Roger that.	MISC
417	Major N:	Could be – hold on a second.	MISC
418	Female Speakers:	We're trying to get a code right now.	ITK
419	Major N:	We're trying to get a code on this guy right now.	ITK
420	Female Speakers:	We do have a tail number.	IMM
421	Major N:	We do have a tail number. It's a – oh, it's – what was the tail number?	ITK
422	Foxy:	Confirmed 4546.	ITK
423	Female Speakers:	November 334 alpha, alpha.	SUK
424	Major N:	November 334 alpha, alpha. If we can find him, we're – we're trying to get – we're trying to get the mode to try and get position on this guy. So then we'll run on them. Yep. Okay. Bye. Okay. These guys are smart.	ITK, TMM, TSU
425	Foxy:	Yeah, they knew exactly what they wanted to do.	TSU
426	Foxy:	Well, what the hell was _____ track?	UR
427	Major N:	For the track possible third hijack; is that it?	UR
428	Speaker 1:	No, this is American Airlines, the first one.	UR
429	Major N:	Yeah, and they'd still be airborne.	UR

430	Speaker 1:	American Airlines, I don't know what the –	ITK
431	Major N:	Yeah, it's MCC. Go. Langley call signs birds are quit 2526.	ITK
432	Speaker 1:	You know what type it is?	ITK
433	Major N:	Quit, Quebec, uniform, India, Tango 2526. Got it. Okay. Right now what we're running with out there is 2 by 0 by gun for Langley, two tanks. Okay. Also we have the Pantha 4546 0 by 2 by 2 by gun three tanks.	ITK, KT
434	Speaker 13:	They trying to get in to a tail base this American 11 heading towards Washington.	ITK
435	Major N:	Plus I have more staff available to me if I need it. Okay. Also I have tanker Main 85. Okay. Got the tanker. I have additional tankers out of McGuire KC10s team call sign. I'm not sure on the numbers.	SUK
436	Speaker 1:	22 and 23.	ITK
437	Major N:	22 and 23 two KC10s. I'm sticking them in Whiskey 107. Yeah, and did you get the word the Langley got scrambled.	ITK, KT, ITK
438	Foxy:	We couldn't find a position on the airplane.	ITK
439	Major N:	Just got scrambled two minutes ago. No, that's – okay. Bye.	SUK
440	Foxy:	FO says forget the tail chase, even though we couldn't find them.	R, COA
441	Major N:	Great. Just great. _____.	MISC
442	Team 23:	Yes, team 23 we just had a radar handoff on them from New York Center. They're squawking 1641 and they'll be turning directly 107 in approximately one minute.	SUK, VRM, SUK
443	Major N:	Copy that. Have them contact Huntersen 23456.	RTA
444	Team 23:	23456?	ITK
445	Major N:	Yes, ma'am.	ITK
446	Team 23:	All right. That's affirmative echoes 650500 exclusively.	SUK
447	Major N:	Copy that. Exclusive. Thanks.	ITK
448	Team 23:	You're welcome.	MISC
449	Major N:	Yeah, just give it to –	NC
450	Speaker 1:	Yeah, 1641. You got that off the tail end of that.	NC
451	Major N:	He's not even in our airspace yet. We're gonna – we'll have him.	TMM

452	Speaker 1:	It was couple minutes before.	NC
453	Major N:	Right. Yep. Holy smikeys, Batman. Okay. Hey, Ronny –	NC
454	Speaker 21:	I'm good. I'm good. Team 21 up on –	NC
455	Major N:	Ron, do me a favor scramble piece of _____ for quit 25 please. Okay. Here it comes.	RTA
456	Team huntress: 21	Team 21 huntress radar contact, showing that our angels 23 and 107. How copy?	ITK, VRM, MISC
457	Major N:	Okay. I want those fighters –	NC
458	Team huntress: 21	Angels 23 and 107, 6,000 flight level 500 concurrent. You're mission is to orbit Whiskey 107.	COA
459	Major N:	They're over New York. Great.	ITK
460	Speaker:	Copy _____.	MISC
461	Major N:	It's American Airline.	ITK
462	Team huntress: 21	Also team 23 is also in our airspace in a few more minutes.	KT
463	Speaker:	Fucking assholes.	MISC
464	Major N:	Probably United – we're getting information that American Airlines 11, the first airplane.	MISC
465	Team huntress: 21	Question on what your offload is right now?	ITK
466	Sergeant B:	There's got a lot of people dead in there.	MISC
467	Speaker:	Probably in a couple minutes.	MISC
468	Team huntress: 21	Good.	MISC
469	Major N:	Did you find a 1641?	ITK
470	Speaker 1:	We thought it was American Airlines 11 –	ITK
471	Major N:	While I've got that there.	ITK
472	Speaker 1:	But Boston's saying it's unaccounted for.	TMM
473	Major N:	We're working on it.	ITK
474	Team huntress: 21	I understand you just gave me a fuel emergency.	ITK
475	Speaker:	Negative for now. I just want to know what your off load is of potential problems.	ITK
476	Major N:	Quit 25.	MISC
477	Female Speakers:	How do you go about it?	ITK
478	Major N:	All right. I'm gonna put an intercept _____.	ITK
479	Sergeant B:	If locate 1641.	RTA
480	Major N:	I need to get a position.	ITK

481	<i>Sergeant B:</i>	Yeah, _____.	NC
482	<i>Major N:</i>	25 and 3. Okay. There's three airplanes unaccounted for. American Airlines 11 may still be airborne. That's United 175 at the World Trade Center. We're not sure who the other one is.	MISC, TMM
483	<i>Speaker 1:</i>	Right.	MISC
484	<i>Major N:</i>	Fuck.	MISC
485	<i>Speaker 13:</i>	You're gonna take your fighters up. You're gonna cover this area.	COA
486	<i>Major N:</i>	I didn't see it. Unbelievable. Jesus.	MISC
487	Team 21 huntress:	Huntress team 21.	MISC
488	<i>Major N:</i>	Go.	MISC
489	Team 21 huntress:	_____.	MISC
490	<i>Speaker 1:</i>	Team 21 shouting for you.	MISC
491	<i>Major N:</i>	We're trying to get a hold of them trying to make sure. My plan is to stick my fighters –	KT
492	<i>Sergeant B:</i>	Team 21 huntress go ahead.	MISC
493	Team 21 huntress:	Offload 43 _____.	SUK
494	<i>Sergeant B:</i>	Offload 43. Thanks.	ITK
495	Team 21 huntress:	You're welcome.	MISC
496	<i>Speaker:</i>	-- change them. Put weapon symbology and name them team 264.	VRM, RTA
497	<i>Major N:</i>	I'm not sure.	ITK
498	<i>Speaker:</i>	How do you _____ line reference?	ITK
499	<i>Major N:</i>	Did you launch 2 or 3 of Langley?	ITK
500	<i>Sergeant B:</i>	We launched one flight of two.	ITK
501	<i>Major N:</i>	That's all we scrambled so far. We'd like to get an extra pilot and extra fighter. Let's launch them too.	ITK, COA
502	<i>Speaker 1:</i>	Can I have your OTIS squawk?	RTA
503	<i>Speaker 13:</i>	I don't know right now.	ITK
504	<i>Sergeant B:</i>	No, 221 and 107. Thank you.	ITK, MISC
505	<i>Major N:</i>	This is team 23.	ITK
506	<i>Speaker 1:</i>	Yeah, I just told Jeremy I want them down in 386 when you get a hold of them.	COA

507	Major N:	Okay. You know what get rid of this God damn sim – turn the – Hey, turn the sim switches off. Get ride of that crap.	RTA
508	Team 23:	Do you want him in AR track or just orbiting in 386?	FI
509	Major N:	We need them to get down to Whiskey 386.	FI
510	Team 23:	You don't care where just in 386?	FI
511	Major N:	Just enter 386, kick them over to our frequency, and we'll take care of them after that.	FI
512	Team 23:	I'm sorry. Can you say again where you want them?	FI
513	Major N:	We want them in the Whiskey 386 area.	FI
514	Team 23:	All right.	FI
515	Major N:	Thanks. Bye, bye.	MISC
516	Speaker 13:	-- a fighter from Langley. I'm gonna have three fighter out of Langley.	ITK
517	Major N:	You're gonna go to Whiskey 386.	COA
518	Speaker:	Standby.	MISC
519	Major N:	505 airborne. I through them in there originally for a pivotal point. Good move. Move them down there. That's what I'm getting.	CT
520	Speaker 15:	Hey, what's going on?	ITK
521	Major N:	Darling, I'm busy. I can't talk. I'll call you when I'm done.	ITK
522	Speaker 15:	Yeah. All right. Bye.	MISC
523	Major N:	All right. Bye.	MISC
524	Speaker 16:	What time are they gonna run the rendezvous and the receivers?	TMM2
525	Major N:	Right now, ma'am. We are not having them rendezvous with anybody. We are staging them.	TMM2
526	Speaker 16:	Staging them. Roger that. I'll relay that information.	TMM2
527	Major N:	Thank you. You're gonna take 23 to 386?	ITK
528	Sergeant B:	Yes. I have talked to giant killer.	ITK
529	Major N:	Giant Killer huntress 924 reference 386.	MISC
530	Speaker 22:	Standby.	MISC
531	Major N:	_____.	NC
532	Speaker 22:	Yes, Major.	MISC

533	Major N:	Yes, this is huntress. We're gonna bring team 23 into 386. Can I get the airspace at this time?	KT, RTA
534	Speaker 22:	Sure. You can have Alpha through Foxtrot, is that enough? Is that where you want to put him or –	ITK, SOG, ITK
535	Major N:	Alpha through foxtrot will be fine for right now. 6 to 50 concurrent or exclusive.	SOG
536	Speaker 22:	6 to 50 concurrent.	SOG
537	Sergeant B:	Hey.	MISC
538	Major N:	Yeah. All right. Here's what's gonna happen. Team 23 Giant Killer already called, they have control of him. They're gonna direct him down into the Whiskey 386. As soon as he crosses into the airspace, we're gonna kick him off frequency, and we'll tell him where to go from there. Okay.	TMM2
539	Speaker 1:	Roger. I'm not telling them anything other than the fact that I just want –	KI
540	Major N:	Get them to the airspace.	KI
541	Speaker 1:	-- and this is what we're expecting.	KI
542	Major N:	Yeah, I know it.	MISC
543	Speaker 1:	This is what we're expecting for the NCA area.	MS
544	Major N:	I know it. Got team 23 coming down –	TSU
545	Major N:	8641 mode 3, yeah. Okay. I got get the symbology to them.	VRM
546	Major N:	Well, he should have it already, doesn't he?	ITK
547	Speaker 1:	No, he doesn't.	ITK
548	Major N:	Yeah, If you could do that then that'd be great. Don't worry about changing the symbology. He's got it. Okay. Yeah, I know he's taking care of it. I know I can't.	RTA
549	Foxy:	They just don't want to ask any questions.	ITK
550	Major N:	I'll put you on 23. Oh, I can't do that either. It's got to be a bravo track.	MISC
551	?	Nothin. Its just gonna be whatever. Well right now. Quit25 is headed into whiskey 386 at this time and I have no idea why. Is Langley airborne?	TMM2, ITK
552	Speaker 13:	Yes.	ITK
553	Major N:	Well, I'm not gonna take the hand off. I'm gonna have them here at this time.	COA

554	Speaker 13:	Quit 25, 26, 27.	ITK
555	Major N:	At this time – They're paired right there.	SUK, VRM
556	Sergeant B:	So you know if you control.	ITK
557	Major N:	Okay I've got this one here team 23. He's already done that.	VRM, ITK
558	Sergeant B:	I've talked to Giant Killer –	ITK
559	Major N:	Hey, Ronny, we have team or quit 25 airborne at this time.	ITK
560	Major N:	Did you know that?	ITK
561	Sergeant B:	Team 23 Giant Killer's out of Langley Whiskey Speaker 196.	ITK
562	Major N:	They haven't taken their hand off yet, but they are airborne.	SUK
563	Sergeant B:	And we already got the airspace too.	ITK
564	Major N:	It's just the two right now sir.	ITK
565	Speaker 1:	Jeremy, Jeremy?	MISC
566	Sergeant B:	Yes.	MISC
567	Speaker 1:	Hey, is I. S. on the up floor.	ITK
568	Sergeant B:	Yeah, he's standing right here.	ITK
569	Speaker 1:	Tell him S. C. – now, does he have a STU in his office?	ITK
570	Sergeant B:	S. C. wants to know if you have a STU in your office.	ITK
571	Speaker 16:	Yes.	ITK
572	Speaker 1:	Can he use your office.	ITK
573	Sergeant B:	He wants to know if he can come up and use your office. Yeah, no problem.	ITK
574	Speaker 1:	Okay. Thanks. Bye.	MISC
575	Major N:	Giant Killer huntress 924 Whiskey 386. What was the airborne time? American	ITK
576	Female Speakers:	American 77 –	NC
577	Speaker 16:	77. Got it.	NC
578	Major N:	Giant Killer huntress 924 reference Whiskey 386.	MISC
579	Huntress:	Hi, this is huntress. Go ahead.	MISC
580	Major N:	Yes, sir in regards to quit 25.	MISC
581	Huntress:	Yes, sir.	MISC
582	Major N:	I would like you to work with Center. We need them to go direct Baltimore Washington International and have them bring up huntress on the auxiliary frequency	COA, COA



		234.6.	
583	Huntress:	You guys switched 25 move in airspace and now you want him to go to Baltimore?	FI
584	Major N:	Yes, sire. We're not gonna take him in Whiskey 386.	FI
585	Huntress:	Okay. Once he goes to Baltimore, what we supposed to do?	FI
586	Major N:	Just have him contact us on the auxiliary frequency 234.6. We just need – instead of taking handoff to us and then us handing him back. Just tell Center that they've got to go to Baltimore.	COA, R
587	Huntress:	Roger. Standby.	MISC
588	Major N	Why are we doing that? I'm gonna choke that guy.	MISC
589	Speaker 13:	Hey, just remember everything you say is being recorded.	MISC
590	Major N:	I know.	MISC
591	Speaker 13:	The tape will be played back.	MISC
592	Major N:	It's all good. Right now we got quit 25 which we are not controlling will come up on our aux. We've got team 23 going with –	MISC, TMM
593	Sergeant P:	Huntress weapons Sergeant P. I've got a question for you.	MISC
594	Major N:	Yes, sir.	MISC
595	Sergeant P:	The military aircrafts that are in the air right now?	ITK
596	Sergeant P:	We're wondering if we should tell them to return to base if they're just on training missions or what you guys suggest.	ITK
597	Major N:	No, they're actually on the active air per the DO out there.	SUK
598	Sergeant P:	So everybody that's up, you want them up?	ITK
599	Major N:	Yes, we did send the ones home and 105 that were in the train – they are sent home. The panthas are out there for OTIS.	ITK, ITK
600	Sergeant P:	Right, I understand that. I think there's somebody training up in Falcon auxiliary right now.	MISC, SUK
601	Major N:	Unknown. Standby. Let me –	MISC

602	Sergeant P:	Just in general anybody who's training.	ITK
603	Major N:	Anybody in training send them home. Any training in Falcon send them home.	COA
604	Sergeant P:	Yeah, we're gonna –	NC
605	Major N:	Yeah, go ahead and send them home.	COA
606	Sergeant P:	Okay.	MISC
607	Team 23:	Is it all right if Center talks to them the whole way to Baltimore? Is he gonna hold over Baltimore like –	SOG
608	Major N:	We want Center maintain primary control. We just want them to be able to talk to us in our auxiliary freq. 234.6.	COA
609	Team 23:	Do you care what altitude they go to Baltimore at just get down there?	ITK2
610	Major N:	Just as long as they get there.	ITK2
611	Team 23:	And they're just gonna hold over Baltimore?	ITK2
612	Major N:	For right now, ma'am. Yes.	ITK2
613	Team 23:	All right. Thanks.	MISC
614	Major N:	Okay. Foxy, I got aircraft 6 miles east of the White House.	KT
615	Sergeant B:	That came from Boston?	ITK
616	Major N:	We're gonna turn him and crank it up. Here we go. This is what we're gonna do here.	R
617	Speaker 1:	He's 8 miles east of the White House right now.	SUK
618	Speaker 1:	What happened?	ITK
619	Major N:	Is that airline in now?	ITK
620	Team 21:	Do you want a _____ relay?	ITK
621	Major N:	Authorize the airfield. What me to authorize it?	RTA
622	Sergeant B:	I can't get through.	ITK
623	Team 21:	Yeah, we're here loud and clear.	ITK
624	Speaker 1:	What are we doing?	ITK
625	Quit 25:	Quit 25 huntress.	MISC
626	Major N:	Team 23 huntress 924 reference Whiskey 386.	MISC
627	Team 23:	Go ahead.	MISC
628	Major N:	Ma'am, we're going _____ right now with quit 25. They're going direct Washington.	KT
629	Team 23:	Quit 25 is on – we're heading is – we're heading them off Center right now.	KT

630	Major N:	Ma'am, we need to have right now. We've got to contact them on 234.6. We need them.	RTA
631	Team 23:	Roger that.	MISC
632	Major N:	Good thing. Ma'am, do you understand that?	ITK
633	Speaker 1:	That's the radar only guy right there?	VRM
634	Major N:	Radar only.	ITK, VRM
635	Sergeant B:	This guy right here? Bravo 013.	VRM, ITK
636	Speaker 1:	32	NC
637	Major N:	Bravo 032.	NC
638	Sergeant B:	Oh, this dude right here? 032.	ITK, VRM
639	Major N:	No altitude.	ITK
640	Sergeant B:	Yeah, right here.	VRM
641	Major N:	I got him. I got him. Bravo 032. You might want to check that out. We just lost track.	RTA, VRM, SUK
642	Speaker 13:	Get a V point.	RTA
643	Major N:	Can you get a view point on that? We just did. Okay. We got guys looking at him. Hold on. Where's Langley at? Where are the fighters? He's squawking.	RTA, TMM, ITK
644	Sergeant B:	Over Long Island.	ITK
645	Major N:	They're at 386 going north. Right there. Pantha. Okay. Can you get those back up? Okay. I don't care how many window you break. ID's gonna have to work that with the MCC. Where'd 032 go?	SUK, VRM, RTA
646	Female Speakers:	O8252 west.	ITK, VRM
647	Major N:	They're there. 032, where's he go? I got to find the track.	VRM, ITK, IMM
648	Speaker 1:	Langley out in 386.	SUK
649	Major N:	Why'd they go up there?	ITK
650	Speaker 1:	Because _____ sent them out there.	ITK
651	Major N:	Damn it. Okay. Push them back. Hi, Sergeant _____.	COA
652	Speaker 17:	Hi, Sergeant _____ here in Syracuse. I'm calling to let you know that we cancelled out morning flights.	SUK
653	Major N:	Copy that.	MISC
654	Speaker 17:	Okay.	MISC
655	Speaker 17:	Thank you.	MISC
656	Major N:	Bye.	MISC

657	Main 85:	Main 85 come in contact with command center.	RTA
658	Major N:	Standby.	MISC
659	Foxy:	Standby.	ITK
660	Major N:	Where's he at? _____.	ITK
661	Main 85:	Yes.	ITK
662	Major N:	Who do we need to contact?	ITK
663	Main 85:	Command center.	ITK
664	Major N:	Command center. What do you want?	ITK
665	Female Speakers:	_____.	NC
666	Major N:	O032 data that faded.	ITK
667	Huntress:	We got a team flight what options you gonna work out in New York City?	R
668	Major N:	Standby.	MISC
669	Female Speakers:	_____.	NC
670	Major N:	Four? No, we've got three now.	TMM
671	Sergeant B:	Three.	TMM
672	Major N:	No, we've heard three now. United 175, American Airlines 11 and American 750. Jocular, just push him in there whatever altitude he's at. It's fine.	TMM, COA
673	Huntress:	Okay. Can I keep him east _____?	ITK2
674	Major N:	Yeah, Copy that.	MISC
675	Huntress:	Okay. Roger that.	MISC
676	Speaker 13:	What's the 386 at current block?	ITK2
677	Major N:	Okay. Sir –	MISC
678	Speaker 1:	Have you checked on _____ do we know?	NC
679	Sergeant B:	No, they could turn them up. Yeah, I know about that.	SOG
680	Speaker 1:	Delta what?	ITK
681	Major N:	He's not squawking 7s yet. 70140 now.	SUK
682	Foxy:	You need a weapons check?	ITK2
683	Sergeant B:	Quit 25 huntress confirm squawking 7777.	RTA
684	Quit 25:	Quit 25 squawking 777.	RTA
685	Major N:	Got it. This one?	VRM
686	Sergeant B:	Quit 25.	MISC
687	Quit 25:	Huntress quit 25. Go ahead.	MISC
688	Sergeant B:	Quit 25 traffic at 22, 000 broad. 000547 checking southwest.	SUK

689	Speaker 18:	Sergeant _____?	NC
690	Speaker 18:	Did you know that Bravo 032 _____?	ITK2
691	Major N:	No, I didn't.	ITK2
692	Speaker 18:	Okay. Bravo 032 if you look over Washington.	VRM
693	Major N:	O33?	ITK2
694	Speaker 18:	32	ITK2
695	Major N:	Copy.	MISC
696	Speaker 18:	Was _____ outside of Washington.	ITK2
697	Quit 25:	Do you have a specific camp for us over Washington?	ITK2
698	Major N:	Standby and we're gonna continue it's current heading.	RTA
699	Sergeant B:	Holy shit.	NC
700	Speaker 13:	It looks like to the Pentagon. Then you be pissed right?	SUK, VRM
701	Major N:	I believe it's approximately 75 miles.	ITK2
702	Sergeant B:	Syracuse cancelled of their flights this morning. Bravo 089.	TSU
703	Major N:	Well, for two seconds we got – right here. It's right next to us. Okay. That's Bravo 032. I've got that paired with _____ right now. Yes. I'm ahead of you on that one. Quit 25 mission to establish cap abroad. 320 112.	VRM, TMM, COA
704	Quit 25:	Copy. 320 112.	MISC
705	Major N:	Attention all players, all teams contact huntress 2335.9. They can't get in touch with Quit 25.	COA, TMM
706	Sergeant B:	Yeah, still got those guys there.	VRM, TMM
707	Foxy:	50, 50 concurrent.	TMM
708	Sergeant B:	Quit 25 airline traffic 01019 23, 000.	KT
709	Major N:	They've got these guys.	VRM /TMM
710	Speaker 1:	We got more guys coming up from Langley or at first _____. Peters, slammers, tanks, they're bringing them up. So they're taking the tankers –	SUK
711	Major N:	Yeah, everybody's busy. I'll try to call tonight. I forgot about it already.	NC

712	Speaker 1:	I have to make sure everything is set up. I just set that one up. I don't know where the one's at.	VRM, ITK
713	Sergeant B:	It's the SN.	ITK
714	Speaker 1:	Where is it?	ITK
715	Major N:	Okay. Got another aircraft spotted near the Pentagon. Also did you get the work I got a Delta 89er south, southeast of Toledo.	KT, TSU
716	Sergeant B:	You know there's another possible hijack?	SUK
717	Major N:	Now, we're heading up here. Yeah, I got a special track on that guy. Okay. We're searching for it now.	VRM, TMM
718	Sergeant B:	Quit 25 can we just have you loud and clear maintain current headings Angels 23.	COA
719	Quit 25:	We are at Angels 23 and we are to the point if we can get a lat. line that'd be great.	ITK
720	Sergeant B:	Toledo, Copy.	MISC
721	Speaker 1:	Are you generating enough airplanes. You got three up now.	ITK
722	Major N:	I got three up now. OTIS in a turn. I got _____ in a turn, and I'm trying to contact _____ for another possible hijack in _____.	RTA
723	Sergeant B:	I know. If you just freaking work with me for two seconds we'll handle it.	TNSA
724	Major N:	Calm down. I think he's – you might want to contact Bill. He said that he got stepped on and trying to work on Suffrage. Talking about Suffrage, did anybody get in contact with them yet? Good. They're mine.	RTA, ITK
725	Sergeant B:	Quit 25 huntress. Confirm all birds squawking quad 7.	RTA
726	Quit 25:	Affirmative all birds squawking in quad 7.	RTA
727	Sergeant B:	Huntress copy that. Standby for the lat./long. of the cap point.	ITK
728	Major N:	They got nobody there in suffrage.	SUK
729	Sergeant B:	I'm talking to Toledo right now, and they maybe able to get somebody airborne.	SOG
730	Major N:	Okay. In case they find somebody else.	SOG
731	Sergeant B:	As far as the suffrages there they got F16s.	SOG
732	Speaker 1:	What about Duluth?	SOG
733	Sergeant B:	What?	MISC
734	Sergeant B:	Duluth you got no fighters.	SOG

735	Speaker 1:	We'll call in units and ask anybody in that area that we have a possible hijack.	SOG
736	Sergeant B:	I talked to the Great Lakes _____ and Toledo, they're gonna get somebody out there. And Duluth has night flying, so there's nobody available.	SOG
737	Major N:	Yeah, we're pushing it.	SOG
738	Foxy:	I'm sorry, but you're the closest guide.	SOG
739	Speaker 13:	You're gonna have to another setting.	RTA
740	Major N:	What we're gonna have to do is talk to the commander there. He's gonna have authority of that. I'll work the deal. Yeah, Colonel M, he might need to call up the Toledo guy. Okay. Yeah.	MS
741	Sergeant B:	Is Toledo _____?	NC
742	Major N:	Yeah. There we go. This sucks. Here let me help you.	NC
743	Sergeant B:	That came from who?	ITK
744	Foxy:	Quit 25, you calling huntress?	ITK
745	Quit 25:	_____ take me out side of the _____.	ITK
746	Major N:	I can't either.	NC
747	Team 23:	Huntress, yeah, this is team 23. Where do you want us keep him at. He wants to go on to 020 heading and it's gonna take him right back out of Whiskey 386.	ITK2
748	Major N:	I might have to have Colonel M come down and talk to this guy. Oops sorry. What?	ITK
749	Foxy:	Here I'm gonna put you on with Major _____?	MISC
750	Major N:	What? What's up?	MISC
751	Foxy:	Wants to know about this track by Cleveland and wants to know if anybody that can intercept –	ITK
752	Major N:	We're trying – Toledo is gonna call me directly and ask who's authority. We're gonna try – I'll have Colonel M come done. We'll do this whole homeland defense thing. I'll talk to them. Who is it? I'll schmooze it. I'll get some guys out there. MCC Major _____. I appreciate it. I got _____ folks here. Okay. Okay. Thanks. Okay. Bye. Who's that? Okay. Cool. Got it. Kind of slow, huh?	TMM

753	Sergeant B:	Yeah.	MISC
754	Major N:	Only 140 knots.	SUK
755	Sergeant B:	Huh?	ITK
756	Major N:	Only 100 knots.	SUK
757	Foxy:	That's real world. Yep, I'm here. Can you hear me? Yes, I heard you. There's reports that _____; is that correct?	NC
758	Major N:	Give them a DNA. 1304.	COA
759	Foxy:	Go ahead.	MISC
760	Major N:	The Pentagon just got hit.	SUK
761	Speaker 1:	You got anyone going after that Delta flight?	ITK2
762	Major N:	We're trying.	NC
763	Speaker 1:	Okay. I'm just –	NC
764	Major N:	Toledo. We're gonna run out of radios over Washington. Okay.	SUK
765	Speaker 1:	Somebody's coming to look at it. _____ out of there is the only idea.	NC
766	Major N:	Okay. Just do the best you can. Okay. What's the word on Toledo?	ITK
767	Foxy:	Well, at the direction – we're losing radios out of our sights already, and they're not even _____.	TSU
768	Major N:	God damn it. I can't even protect my NCA. Jamie. Jamie. Find out what's going on with my Toledo guys.	FI, RTA
769	Sergeant B:	When we pulled in to _____.	NC
770	Major N:	Turn them. I'll pay for it. I got a credit card. Okay. At what two – Yeah, well, we're going there. Okay. Yeah, I'll tell you what the history on that is. The fucking Giant Killer sent them out to 386. Yeah, it's going – yeah, that's what I did. Well, we couldn't get them. Okay. Bye. Make sure where the information came from that the Pentagon was hit though. I don't know where –	COA, TSU, TMM2
771	Sergeant B:	I put unconfirmed.	ITK
772	Major N:	I don't know. Yeah, find a job. Who's doing that? Okay. Okay. Good. Talk to me about my Langley guys. I want them over NCA now.	RTA, ITK, COA
773	Sergeant B:	They're heading west to Las Vegas.	SUK



774	Major N:	Need a controller for this. Okay. I need the Langley guys there now NCA. 089 is making a hard right turn, so whoever that was.	RTA, VRM
775	Female Speakers:	Out of Toledo _____.	NC
776	Major N:	A few minutes.	NC
777	Speaker 13:	They don't have any aircrafts.	NC
778	Major N:	Nope.	NC
779	Speaker 13:	Trying to get Toledo on it.	NC
780	Major N:	Yeah. No, nothing yet. We are. Yes, they're air to mud, but they're also air to air. Charlie, we're also talking to Suffrage as well. So I'll get something out in that area. Yep. Right. Okay	TMM2
781	Speaker 1:	Keep an eye on it.	RTA
782	Major N:	This is gonna be it right now.	ITK
783	Speaker 1:	Is this the 107.	VRM
784	Major N:	Are you former telling Florida it's 6311?	ITK
785	Speaker 1:	Sorry, got the 103 <sup>rd</sup> coming to this.	SUK
786	Major N:	Before we tell 89 – Okay. FB.	NC
787	Foxy:	Yeah.	MISC
788	Major N:	FB pick up your hotline.	RTA
789	Speaker 1:	Not yet.	MISC
790	Major N:	They want FB to pick up the –	NC
791	Speaker 1:	Standby. Crank it up. Crank it up.	RTA
792	Major N:	Battle cab wants the FB to pick up the line. They want everybody off. Here you go. Duluth is not available right now. We need cargo though. S	RTA, ITK
793	Sergeant B:	Looks like the Pentagon got hit.	TMM
794	Major N:	The Pentagon did get hit.	TMM
795	Sergeant B:	Oh.	MISC
796	Speaker 1:	We need to make a command decision. He's saying he needs more surveillance people. We're recommending Charlie _____.	SOG
797	Major N:	I'd say yeah get them in here. Sam, do you have track number on Delta 89 was that Bravo 089?	SOG, ITK
798	Speaker 12:	Yes.	MISC
799	Speaker 1:	Standby. Standby. I'll get you Major _____ in just a few.	MISC

800	Major N:	Okay. Also – who's up on there? Okay. Looks like the special – the guy from the Toledo area just turned north a bit.	VRM
801	Speaker 1:	I got it.	MISC
802	Major N:	Okay. You got it. Okay.	MISC
803	Speaker 1:	I just spoke to him. He's up in _____.	NC
804	Major N:	Could be or Detroit. They're airborne. They're going airborne. What's your load out?	SUK, ITK
805	Speaker 1:	I'm really – haven't been working that hard on Bravo, so I'm not real familiar. You're gonna have to bear with me.	TSU
806	Major N:	Can I get a track number Bravo 257.	RTA
807	Speaker 1:	If anything –	NC
808	Major N:	Okay. I'm on that. Bravo 257?	ITK
809	Speaker:	_____.	NC
810	Speaker:	Just a minute.	MISC
811	Major N:	Got it?	NC
812	Speaker 1:	_____ has been delayed _____, but the two keep them airborne – if we want to get the FAA on the phone and try to set up.	ITK
813	Major N:	They can float in – I don't know.	ITK
814	Major N:	I got a report of a search track by New York City and that weapons team has been directed to check it out.	TSU
815	Major N:	Okay. And he's asking the fighters the searches.	TSU
816	Speaker 13:	We have five targets also. They're supposed to check out the target in the area in New York too.	TSU
817	Major N:	Let's the large airline.	TSU
818	Female Speakers:	They want to know what you want them to do. Do you want them to go to a point or do you want them to refuel or what?	ITK
819	Major N:	Who?	ITK
820	Major N:	Okay. We've got a report of a search track heading towards New York City Bravo 275 that weapons team is gonna try and get their fighters to check it out.	KT
821	Foxy:	_____.	NC
822	Foxy:	He says he needs more people.	NC
823	Major N:	Recall them. I got them.	COA

824	<i>Speaker 1:</i>	Recall Charlie crew swing. I want all the surveillance people in here pronto.	RTA
825	<i>Major N:</i>	Not at this time. We're very, very busy. I'm sorry.	RTA
826	<i>Sergeant B:</i>	Suffrage and Toledo both.	ITK
827	<i>Major N:</i>	They have been scrambled?	ITK
828	<i>Major N:</i>	How many aircrafts?	ITK
829	<i>Sergeant B:</i>	Two each.	ITK
830	<i>Female Speakers:</i>	Somebody had _____ send to Washington.	ITK
831	<i>Major N:</i>	No, that's our –	ITK
832	<i>Sergeant B:</i>	Come on. Does the FAA want to know what –	NC
833	<i>Female Speakers:</i>	Right.	ITK
834	<i>Sergeant B:</i>	I want to hold him there.	TSU, VRM
835	<i>Major N:</i>	Okay. Lat./long bravo –27 – or 089 to _____.	TSU
836	<i>Speaker 16:</i>	Sir?	MISC
837	<i>Speaker 16:</i>	All the Charlie 3 surveillance and two ID tags.	RTA
838	<i>Major N:</i>	Fine. Make that large as well.	RTA, VRM
839	<i>Speaker 1:</i>	We recalled Charlie and –	TSU
840	<i>Major N:</i>	We're doing it.	TSU
841	<i>Sergeant G:</i>	Western sector Sergeant G.	MISC
842	<i>Major N:</i>	Hey, how you doing? This is Major _____ . Let me talk to your MCC.	MISC
843	<i>Sergeant G:</i>	Just a second.	MISC
844	<i>Major C:</i>	This is Major C. Can I help you?	MISC
845	<i>Major N:</i>	Who is this? Hello.	MISC
846	<i>Major C:</i>	Yes, this is Major C. Who is this?	MISC
847	<i>Major N:</i>	Hey, C this is Nasty how you doing?	MISC
848	<i>Major C:</i>	Hey, doing all right.	MISC
849	<i>Major N:</i>	We're not doing so good right not.	MISC
850	<i>Major C:</i>	Yeah, I know.	MISC
851	<i>Major N:</i>	I need you guys to make sure that you guys are – this could be a world wide kind of thing. CONUS thing.	MS
852	<i>Major C:</i>	Yes, I know.	ITK
853	<i>Major N:</i>	Okay. What do you guys up for players? Have you been taking to Fargo at all?	ITK2

854	Major C:	Yes, we've talking to a bunch of folks. Right now all we've got is our standard four aircraft.	ITK2
855	Major N:	Okay. What I would like to do if I could possibly steal some aircraft out of cargo from you guys if need be.	TNSA
856	Major C:	Okay. You want us to bring two up at Fargo?	TNSA
857	Major N:	Yeah, would you please.	TNSA
858	Sergeant B:	Weapons? No?	ITK2
859	Major N:	But bring them with weapons too if possible.	ITK2
860	Major C:	Yep. Okay. We'll do that.	ITK2
861	Major C:	Okay. Copy.	MISC
862	Major N:	Appreciate it. Bye.	MISC
863	Major C:	Yep. Bye.	MISC
864	Major N:	Who's up? I just called the watch and just had him bring up – I requested them bring up two birds from Fargo loaded. Okay. We got – well, here's the deal. The birds out of Suffrage, they just did a quick turn. They got no weapons. They just know _____ to the range. They blew all the road. I know, but we got two. They're loitering, and we're gonna send them done to do investigations. We're still keeping Suffrage. I've got them airborne already, and two more from Toledo. That special tracks over the – what do you call it – over the lack right now. So what we gonna do with it if it is it? What are we gonna do? I got to give my guys direction? I don't know if they got bullets. Okay. Okay.	TSU, MS
865	Female Speakers:	Alpino coming too, sir.	SUK
866	Major N:	Okay. Alpino?	ITK
867	Female Speakers:	_____. They're gonna get two aircrafts up in about 15 minutes. South _____. You need another MCC.	TMM, ITK
868	Major N:	Okay. I got him. I need one more maybe. No, wait. I got Jamie here. I'm all set.	ITK
869	Female Speakers:	Well, he's doing the FB. All I'm saying is I can help if you need it.	ITK
870	Major N:	I have to get Ian off the floor. He's been on it circumventing my system here.	RTA

871	Major N:	He's not an MC – he's not an MCC, so he needs to stay up there.	RTA
872	Female Speakers:	Okay..	MISC
873	Female Speakers:	If you need anything let me know.	MISC
874	Major N:	I will call you directly.	MISC
875	Speaker 1:	Just a heads up. We're gonna have no radios over Chicago. Not even _____.	KT
876	Major N:	Then give them the FAA and then pass all the instructions. Okay. We're getting two from Alpino with guns. Confirm. I'm working that right now. We're getting it.	COA, SUK
877	Sergeant B:	When?	ITK
878	Major N:	In about 15 minutes. Okay. No.	ITK
879	Sergeant B:	We got –	NC
880	Major N:	Okay. We have a deployment out – Springfield F16s are deployed up at Alpino. They're doing like a little exercise up there.	SUK
881	Speaker 16:	Sir.	MISC
882	Major N:	There is? I didn't get that yet. Great.	NC
883	Speaker:	_____ airplane.	NC
884	Major N:	Okay. Where at in Canada? Did they say?	ITK
885	Speaker:	_____.	NC
886	Speaker:	This is the location. I'm not –	NC
887	Major N:	You'll call _____ no modes and codes.	ITK
888	Major N:	I need to know cause then I can use my Alpino guys up there.	ITK2
889	Speaker 1:	Any _____ --	NC
890	Major N:	I can't help you more than that. Watch it.	NC
891	Speaker 1:	Got it.	MISC
892	Major N:	I can use them over there in the Chicago area. Hey, any possibility of me getting an E3 surveillance? You know where I want them? I want them in the Chicago area cause I got now radios there. Okay.	SOG
893	Speaker 1:	_____ and unknown airport. Could be going to Montreal heading towards Washington --	UR

894	Major N:	No, but I don't have ID of request. I'm got something coming from Canada that says – okay. Unconfirmed reports this aircraft coming from Canada unknown location, don't know if it's squawking, don't know much. It just _____ on surveillance, just keep your eye on him and come from Canada. Okay. We need more here then. Do the northern border thing.	TMM, COA
895	Speaker 13:	_____.	NC
896	Major N:	I'm running out of scopes.	TSU
897	Speaker 13:	I got the recall list.	MISC
898	Major N:	Okay. Great. Jamie.	MISC
899	Sergeant B:	Yes, sir.	MISC
900	Major N:	Unconfirmed information here on a fifth information here on a fifth airplane coming south from Canada, and don't know modes and codes or a call sign and what airline. And it's supposed to be heading towards Washington so we'll have to just keep an eye on it. Just so you know. It did? Did the Pentagon get whacked? Did it get hit?	TMM, MS, ITK2
901	Speaker:	_____.	NC
902	Major N:	I don't know. I heard unconfirmed.	ITK2
903	Speaker 1:	I got it unconfirmed.	ITK2
904	Speaker 13:	It's not a good thing, not a good thing at all.	MISC
905	Sergeant B:	Did you guys get unconfirmed information from the battle station of a fifth airplane?	ITK2
906	Major N:	Leaving Canada, unknown departure airport heading towards Washington. Don't know any codes or anything, okay? I got that from Colonel C. I don't know where he got it. Pass this around. Don't know anything. Yeah, give them a call. Give them a call. I got call signs for Atlantic City.	KT, RTA
907	Major N:	Okay. I need call signs also for the Alpino birds, the Toledo birds, and the Suffrage birds. I need all those call signs. If you want to get them from the SB.	ITK2, RTA
908	Sergeant B:	SB.	MISC
909	Major N:	Okay. Or send somebody – son of a bitch. I need – hey, Foxy, call signs for Toledo, Suffrage and Alpino guys.	ITK2

910	<i>Foxy:</i>	I got call signs for Atlantic City over the check	ITK2
911	<i>Speaker 1:</i>	We're gonna have a really hard time confirming these guys. Just get the –	TSU
912	<i>Major N:</i>	I know. They don't look too bad. They don't look too good, but they don't look too bad. That looks like a small aircraft.	VRM
913	<i>Major N:</i>	I mean small. Okay. We need to link with Fort Drum. Is he okay?	VRM, TMM, ITK
914	<i>Speaker 1:</i>	You might get an E3. We're gonna try to get an E3 over Chicago.	TSU
915	<i>Major N:</i>	For your ICCs? Well, I'm gonna try to get an E3 over Chicago because I got no radar and no radios over that airspace, so work them. You know what? Call them. Call Pinker right now. Call command posts and if need be I'll talk to the guy.	SOG, COA
916	<i>Sergeant B:</i>	Get a?	ITK2
917	<i>Major N:</i>	An E3.	ITK2
918	<i>Female Speakers:</i>	Spoke to the commander in battle station. They're gonna final all information through me to you.	TSU
919	<i>Female Speakers:</i>	So I'll make sure you get all the information. You want me to stay down here?	TSU, ITK2
920	<i>Female Speakers:</i>	This is what you got. You're getting _____ 11, and Jamie already knows this. Who's coming from 3Speaker 190.	KT, ITK2
921	<i>Major N:</i>	Yes. Right, that's Toledo.	ITK2
922	<i>Female Speakers:</i>	Right. Here's your two from Alpino. They will have guns. Expect them airborne at 1415.	KT
923	<i>Major N:</i>	That's right. Hit it right there.	VRM
924	<i>Female Speakers:</i>	Okay. Syracuse – there's essentially another aircraft coming out of Canada.	TSU
925	<i>Major N:</i>	Right. I already talked to – I go the number –	TSU
926	<i>Female Speakers:</i>	We want Syracuse to back that up.	COA, SUK
927	<i>Major N:</i>	Got it.	MISC
928	<i>Female Speakers:</i>	List these under airspace.	TSU
929	<i>Female Speakers:</i>	To hold them, and he wants to keep the tanker with us.	TSU

930	<i>Female Speakers:</i>	And we're all –	NC
931	<i>Major N:</i>	Got it. Okay. I got two – two come up on status at Fargo and two at Sioux City.	KT
932	<i>Female Speakers:</i>	Two from Fargo and two from Sioux City.	MISC
933	<i>Major N:</i>	I promised _____. I went above.	NC
934	<i>Female Speakers:</i>	You need it?	ITK2
935	<i>Major N:</i>	Yeah. Yes, FB come up on the highline? Jamie, are you controlling that right now?	RTA, ITK2
936	<i>Sergeant B:</i>	I'm waiting for _____.	ITK2
937	<i>Major N:</i>	Can you come up on the SB still? Come up on the hotline. Fuck. He's got it. I'm blasting his ass. Give me the call sign. Give me the whole nine yards.	RTA, RTA
938	<i>Female Speakers:</i>	United.	ITK2
939	<i>Sergeant B:</i>	United 93.	ITK2
940	<i>Major N:</i>	Let me pull up some info real quick. It's got a bomb.	VRM, SUK
941	<i>Sergeant B:</i>	He's going from where to where?	ITK2
942	<i>Major N:</i>	All right. All right. Bomb on board. United 93. Out of Boston? Intercept.	ITK2, COA
943	<i>Sergeant B:</i>	Intercept.	ITK2
944	<i>Major N:</i>	Intercept and divert that aircraft away from. Okay. Do you hear that? That aircraft over the there.	TSU
945	<i>Sergeant B:</i>	Going to Pittsburgh?	ITK2
946	<i>Major N:</i>	Intercept and what else?	ITK2
947	<i>Female Speakers:</i>	It's over Pittsburgh.	ITK2
948	<i>Major N:</i>	Okay. Aircraft over the White House.	ITK2
949	<i>Speaker 1:</i>	United 93. Bomb on board.	ITK2
950	<i>Major N:</i>	Nope, not yet.	NC
951	<i>Speaker 1:</i>	United 93.	ITK2
952	<i>Female Speakers:</i>	United 93.	IKT2
953	<i>Major N:</i>	How close are you to intercept? What is it? Type.	ITK2
954	<i>Foxy:</i>	They're right on it right now. They're going in now.	ITK2



955	Major N:	They're going in right now.	ITK2
956	Female Speakers:	What's the preliminary? _____.	NC
957	Female Speakers:	Found bomb on board United 93.	ITK2
958	Speaker 1:	We don't have a position on it.	TSU
959	Major N:	Got it. Yes. Do you have any squawks – squawks or anything? Squawks.	ITK2
960	Speaker:	Yes.	ITK2
961	Major N:	You have a squawk or anything like that? Jamie, any words? Jamie?	ITK2
962	Sergeant B:	No.	ITK2
963	Major N:	That might be the fifth airplane.	IMM, VRM
964	Speaker 1:	I've had better days.	MISC
965	Female Speakers:	1527 mode 3.	ITK2
966	Major N:	1527 mode 3. We got a track number? 1527 mode 3, got a track number?	ITK2
967	Female Speakers:	That's what I'm seeing.	ITK2, VRM
968	Major N:	Okay. We got a mode 3 on this United 93. How close are you?	TMM2, ITK2
969	Speaker 13:	1527 mode 3.	ITK2
970	Major N:	I'm just writing it down. 3951 north.	VRM
971	Female Speakers:	07846 west.	VRM
972	Major N:	07846 west.	MISC
973	Female Speakers:	This is the guy with the bomb on board.	TMM2, VRM
974	Major N:	Got it.	TMM2, VRM
975	Sergeant B:	I just got off the phone with the Colonel _____.	NC
976	Major N:	Let's hear it.	MISC
977	Sergeant B:	He has one E3 that's on its way out here. _____.	SUK
978	Major N:	Toledo was what form? I need a track number. Okay. Ian, what happened – two Syracuse birds will be airborne in less than 20 minutes.	ITK2, ITK2, KT
979	Sergeant B:	-- bomb on going towards Pittsburgh. Mode 3 1527?	TMM2

980	Major N:	Any weapons.	ITK2
981	Sergeant B:	We don't know.	ITK2
982	Speaker 13:	Do we have anybody on the aircraft with the bomb on it?	ITK2
983	Major N:	We're getting to it. We don't know where it is, so we getting tracking. Yeah. Okay. Got it.	ITK2
984	Sergeant B:	United 93 mode 3 1527.	MISC
985	Major N:	Negative clearance to shoot. Jamie.	COA, SUK
986	Sergeant B:	1527 Brian.	NC
987	Major N:	God damn it. Foxy, I'm not really worried about code words at this point. Fuck the code words that's perishable information. Negative clearance to fire.	TSU
988	Foxy:	_____.	NC
989	Major N:	ID, type, tail.	ITK2
990	Sergeant B:	Let you guys know also that –	SUK
991	Speaker 1:	Now, we're flying for MCCs right now. Hey – you don't want to wreck the blue skin?	TSU
992	Major N:	No, I just told them that. I told them no. Okay. Where's my bomb? Where's my bomber at?	TSU, VRM, ITK2
993	Female Speakers:	Position of New York and now this is –	ITK2
994	Speaker 1:	Okay. Over Cleveland?	ITK2, VRM
995	Major N:	He's over York, over there. Right there.	VRM
996	Speaker 3:	Delta 89 bravo track _____.	NC
997	Major N:	Sir, how you doing, Major _____?	MISC
998	Major N5:	Well, I'm doing as good as can be expected. I've got guys who will be launching in about 15 minutes.	KT
999	Major N:	Appreciate it. Are they loaded?	ITK2
1000	Major N5:	We've got hot guns. That's all I got.	ITK2
1001	Major N:	Hot guns. Well, that's good enough for me for the time being. Only words I got – I got another possible aircraft with a bomb onboard. It's in Pennsylvania York approximate area?	ITK2, TSU
1002	Major N5:	Yeah, that's south.	TSU
1003	Major N:	Yeah, that's south of us, and there's also the possibility of – where is that guy? Where is that other guy the special? He turned back over the lake? No the other	TSU, IKT2, ITK2, VRM

		lake. Lake Erie.	
1004	Major N5:	Okay.	MISC
1005	Major N:	Right there. Another one --- that's possibly at Cleveland area –	VRM, TSU
1006	Major N5:	Okay. Do you have vectors on those?	ITK2
1007	Major N:	Not yet. Looks one's – the one over Cleveland turned around, and it looks like he's heading back to the east. The guy down at York, Pennsylvania, he's heading up north, northwest.	KT, VRM
1008	Major N5:	Okay. We might be able to get those two.	TSU
1009	Major N:	Yeah, and the call sign for the guy in York is United 93.	TSU
1010	Sergeant B:	Mode 3.	IKT2
1011	Major N:	Mode 3 of 1527.	ITK2
1012	Major N5:	Okay. It doesn't help us within a target.	TSU
1013	Major N:	Yeah, I got – sorry. Okay. And I got this other guy out west. He's American – where's that guy? Excuse me for Cleveland. Okay. I got one who just faded over Cleveland Delta 89er, mode 3, and I know it's not gonna help you, but if you're talking to FA, they might be able to help you. We have 1304.	VRM, TSU
1014	Major N5:	Okay. When we get our guys airborne, they're gonna contact you on 260.9. I've got two jets right now. Do you need more than two?	SUK, ITK2
1015	Major N:	Can you bring up two more?	FI
1016	Major N5:	I can get four sent up, yep. Yep.	FI
1017	Major N:	Okay. Thank you, sir, and if you want to talk to Colonel M, he's up at – what's Colonel Ms number?	MISC
1018	Foxy:	6403	MISC
1019	Major N:	6403, sir.	MISC
1020	Major N5:	Thank you. I don't –	MISC
1021	Major N:	Thank you. Out. Okay. I'm gonna have four out of Syracuse.	TSU
1022	Female Speakers:	Okay. Who's doing the – he's going with Syracuse; right?	ITK2

1023	Major N:	List sheets under. Surveillance did you find that track? Okay. Jamie, right there.	RTA, ITK2, VRM
1024	Sergeant B:	No, the mode 3 I gave you coming out of Canada. Did you find that track?	ITK2, VRM
1025	Female Speakers:	These three gave up on track the last position as a hijack on the _____.	VRM, TMM2
1026	Major N:	And that –	NC
1027	Female Speakers:	You guys need to track that point. I want to make sure it came in.	RTA
1028	Speaker 13:	93 is down northeast of Camp David. That's the one with the bomb onboard.	SUK
1029	Major N:	He's down? A crash or –	ITK2
1030	Sergeant B:	I think so.	ITK2
1031	Major N:	93 that was the guy that was –	ITK2
1032	Sergeant B:	With the bomb on board.	ITK2
1033	Female Speakers:	You lost the mode 3 on it.	ITK2
1034	Major N:	Okay. This is – Okay. I need this point – hey, Sam. I need this –	VRM
1035	Speaker:	United 93 is on the ground.	SUK
1036	Speaker:	on the ground.	MISC
1037	Female Speakers:	The one that's northeast of Camp David is confirmed, the one with the bomb. United 93.	TSU
1038	Major N:	So I think another – exploded.	SUK
1039	Speaker 1:	It exploded.	TSU
1040	Sergeant B:	it exploded.	TSU
1041	Major N:	Yeah, E3 sort of –	NC
1042	Major N4:	Huntress 40 is heading to the northeast some place.	SUK
1043	Major N4:	We have them heading up towards Chicago.	TSU
1044	Major N4:	Also waiting for two more on immediate cause they're waiting for _____.	TSU
1045	Sergeant B:	That's from Boston Center that info?	ITK2
1046	Major N:	Okay. So we got those guys going through and – yeah.	IMM
1047	Female Speakers:	This is making no sense whatsoever.	NC
1048	Female Speakers:	We got Florida called and said –	NC

1049	<i>Female Speakers:</i>	-- an aircraft out with a possible _____ on it. _____ on yours. IF this guy here, well, he working –	VRM
1050	<i>Sergeant B:</i>	You copy that; right?	MISC
1051	<i>Major N:</i>	You got that near Camp David?	ITK2
1052	<i>Female Speakers:</i>	_____ possible _____ on it.	NC
1053	<i>Major N:</i>	Major _____, go. Yeah, wait a minute. Now you're requesting we have a quit 25, 26 in the NCA area. Quit, quit, Quebec, uniform, India, Tango. Forward tail quit, forward tail quit 25, 26. Come on. We're falling behind on the forward tail stuff. Quit went over in the NCA area. Pick it up.	TSU, RTA
1054	<i>Female Speakers:</i>	What happened to this one.	ITK2, VRM
1055	<i>Major N:</i>	He faded over Cleveland.	ITK2
1056	<i>Female Speakers:</i>	Okay. What time did it _____.	ITK2
1057	<i>Major N:</i>	Okay. Say again? Finally. I got three over there. I got 25, 26, and 27. I got three birds there. We just – no, they're at the NCA. I got them flying over the NCA, protecting the NCA as best I can. No. Okay. Bye.	TSU
1058	<i>Female Speakers:</i>	See that guy right there. We cannot get in touch with him. He's working on _____ mode 2. They don't want anybody scrambled on him. He has possible intruder onboard, and they're not sure who.	VRM, SUK, COA, SUK
1059	<i>Female Speakers:</i>	We cannot contact him, but he's working a _____ mode 2. Right here this guy.	SUK, VRM
1060	<i>Major N:</i>	Right here?	VRM, ITK2
1061	<i>Female Speakers:</i>	Yep. They wanted somebody scrambled on him.	ITK2, SUK
1062	<i>Speaker 1:</i>	They're saying possible intruder, but he part of the mode 2.	TSU
1063	<i>Major N:</i>	Doesn't matter. Okay. Foxy – Foxy, we got a problem over in Whiskey 105 area.	TSU, VRM
1064	<i>Major N:</i>	This guy right here. We need fighters on this guy right there.	VRM, COA
1065	<i>Foxy:</i>	Someone keep calling New York.	RTA
1066	<i>Major N:</i>	There's a possible intruder onboard.	TSU

1067	<i>Foxy:</i>	We need a check in all areas. New York just called in 4651 –	NC
1068	<i>Major N:</i>	We got a track number on him now?	ITK2
1069	<i>Foxy:</i>	Probably 424.	ITK2
1070	<i>Major N:</i>	All right. Yeah. That guy right there.	VRM
1071	<i>Speaker 1:</i>	He's heading right into Boston right there.	SUK, VRM
1072	<i>Major N:</i>	Then I have to go through the track information here. Okay. Bravo 001.	TSU
1073	<i>Speaker 1:</i>	Heads up for anybody heading into Boston.	TSU
1074	<i>Sergeant B:</i>	Apparently Track number Bravo 001 is fast moving down towards Boston.	SUK
1075	<i>Foxy:</i>	Bravo 001 the one said is moving into Boston real quick.	TSU
1076	<i>Major N:</i>	This guy.	VRM, TSU
1077	<i>Foxy:</i>	Yeah,	TSU
1078	<i>Major N:</i>	No.	TSU
1079	<i>Foxy:</i>	No, not that guy. Right here.	TSU, VRM
1080	<i>Female Speakers:</i>	He's taking off with that guy that got him.	SUK
1081	<i>Major N:</i>	Okay. He's okay. Don't have – he's good. Okay. We got the information on the one that's fast tracking down to Boston. Where's he at?	TSU, ITK2
1082	<i>Speaker 13:</i>	That was the weapons. That was 001.	ITK2
1083	<i>Major N:</i>	Is that it?	ITK2, VRM
1084	<i>Speaker 13:</i>	Bravo 001.	ITK2
1085	<i>Major N:</i>	Right there. He's gone. I don't see him. Wait a minute.	VRM, IMM
1086	<i>Speaker 1:</i>	Now, what? Is that him?	ITK2, VRM
1087	<i>Foxy:</i>	I got a plug in.	NC
1088	<i>Foxy:</i>	I got four from Syracuse. Two that are cranking right now. I told them to hold two. _____. They're coming up. I got a frequency what do you want me to do with them?	KT, ITK2
1089	<i>Major N:</i>	Okay. Put them Misty Thunder, Misty Thunder area.	COA
1090	<i>Foxy:</i>	Okay. Do you want me to hold the other two –	ITK2
1091	<i>Major N:</i>	No, they're going in a matter of minutes. Yeah. Okay.	ITK2

1092	<i>Foxxxy:</i>	Have they called the fighters out Charleston that we can use?	ITK2
1093	<i>Major N:</i>	No, not yet. This is what we need to do.	ITK2
1094	<i>Female Speakers:</i>	That was –	NC
1095	<i>Speaker 13:</i>	Another possible hijacking.	SUK
1096	<i>Foxxxy:</i>	Hold on. Hold on.	MISC
1097	<i>Major N:</i>	Okay. Let's get some –	NC
1098	<i>Speaker 13:</i>	4651	ITK2
1099	<i>Female Speakers:</i>	This guy is behind _____. Go back. Right there. Have no idea who he is.	VRM, IMM
1100	<i>Major N:</i>	I don't see him.	VRM
1101	<i>Female Speakers:</i>	We had our fighters –	NC
1102	<i>Sergeant B:</i>	Just so you know I'm screwed up in the _____ now.	NC
1103	<i>Foxxxy:</i>	Scramble 464.	NC
1104	<i>Major N:</i>	No data, huh? Bravo 464.	NC
1105	<i>Foxxxy:</i>	Never mind.	NC
1106	<i>Major N:</i>	Bravo 464 been identified as Swordfish 21.	SUK
1107	<i>Foxxxy:</i>	Yeah, but who's behind him? There was somebody behind him.	ITK2
1108	<i>Major N:</i>	Okay. We don't have data on the guy behind him.	TSU
1109	<i>Foxxxy:</i>	We may just have to put him on unknown.	TSU, VRM
1110	<i>Major N:</i>	Okay. Got that.	TSU
1111	<i>Sergeant B:</i>	I'm trying to get fighters out there.	TSU
1112	<i>Female Speakers:</i>	This should be _____. Can we confirm that _____? Can we go and talk to him and authenticate him? Because – just because he's – he's got a mode 2. Okay. We're not telling anybody else that we're getting reports.	VRM, ITK2, RTA
1113	<i>Major N:</i>	If he pops up we'll have to treat him as an unknown unless you can identify him; right?	SOG
1114	<i>Foxxxy:</i>	It's a rumor. They had mentioned _____.	NC
1115	<i>Major N:</i>	Everybody's accounted for?	ITK2
1116	<i>Female Speakers:</i>	Everybody's accounted for now?	ITK2
1117	<i>Major N:</i>	Did you tell them to park them in an airspace Misty Thunder?	ITK2
1118	<i>Speaker:</i>	Misty Thunder here –	VRM

1119	Major N:	Should be airborne any minute. There were engines running about two minutes ago. Hot gun.	SUK
1120	Sergeant B:	First aide.	NC
1121	Major N:	First aide. Culver 1 and 2.	NC
1122	Foxy:	Everybody else is airborne when you see 105.	SUK, VRM
1123	Major N:	Got it. How many airplanes? Like four more? Get a number when you can. Okay. Everybody in OTIS that they're generating is gonna get airborne in a minute. Brian, will you let me know when they're airborne?	ITK2, RTA, KT, ITK2
1124	Foxy:	I think they are now. I'll tell you in a second.	ITK2
1125	Major N:	Weapons just told me that they should be airborne in second. We're not sure how many though. Okay. Got it. Now, do we have a track that's popped up here or no?	TSU, VRM, ITK2
1126	Foxy:	No. _____.	ITK2
1127	Female Speakers:	Get those three and get some more aircrafts available out of OTIS.	COA
1128	Foxy:	Great.	MISC
1129	Female Speakers:	Is that a good location?	ITK2, VRM
1130	Speaker 1:	Yeah, this is.	ITK2
1131	Major N:	You could send two over there then. Do you want send two – Foxy? You had a report of a track behind Swordfish 21. You don't have any data, but I suggest we –	SOG
1132	Foxy:	We just scrambled out OTIS ____ and go out there and search low.	SOG
1133	Speaker 1:	Okay. Air Force 1 is airborne out of Florida heading the Washington. We've got those four F16s coming out of Langley with guns only. Two of them will be diverted to escort at the appropriate time.	SUK
1134	Major N:	Okay. We need to plan out Air Force 1. He is airborne now?	RTA, ITK2
1135	Speaker 1:	Yeah, he's airborne now, but he's already gone up there.	ITK2, VRM
1136	Major N:	Have we identified him as a special one.	ITK2
1137	Speaker 1:	We haven't got him.	ITK2
1138	Major N:	So they'll have fighters on him?	ITK2
1139	Speaker:	Hello, this is _____.	MISC



1140	<i>Female Speakers:</i>	Yeah, _____. Have you got any other _____?	NC
1141	<i>Major N:</i>	Are you working the southeast Langley?	ITK2
1142	<i>Speaker 13:</i>	I'm kind working the whatever – whoever –	ITK2
1143	<i>Major N:</i>	Okay. Air Force 1 is airborne out of Florida going to Washington. There should be F15s on them by the time they hit out AOR, but just so you know once Air Force 1 hits our AOR we're gonna have to fighters know their airborne from Florida, President.	MS
1144	<i>Major N:</i>	They're going to Washington. This is where I was just at.	MS, VRM
1145	<i>Speaker 13:</i>	Are they –	ITK2
1146	<i>Major N:</i>	He had to be putt fighters on it, and then she had to put fighters on them. Yeah, and we'll have to take over once they hit our AOR, okay?	VRM, KT
1147	<i>Speaker 13:</i>	Can we find Air Force 1 and good position on him. I don't care how far south he is. We want to know where he's at.	COA
1148	<i>Sergeant B:</i>	Right there. That's it. I got too many people working already.	VRM, TSU
1149	<i>Major N:</i>	Matthew, did you get the Air Force 1 info?	ITK2
1150	<i>Speaker 13:</i>	What?	ITK2
1151	<i>Major N:</i>	Did you get the Air Force 1 information? Now, we were passed that Air Force 1's airborne from Florida on his way to Washington, so CIAD should have fighters on him by the time they hit our AOR.	ITK2, TSU
1152	<i>Major N:</i>	And we're gonna have to escort them. That's right. Is Air Force 1 being pulled in? Okay. Brian, you got Syracuse? Okay.	TSU
1153	<i>Speaker 1:</i>	Get everybody that's not on position on post. We're gonna break _____.	RTA
1154	<i>Major N:</i>	It's probably a good time to do a recap. How many you got out of OTIS? You still got the two that were over in New York City.	TSU
1155	<i>Sergeant B:</i>	Over in New York City I got an additional two coming out.	TSU
1156	<i>Major N:</i>	Okay. You got – you got the –	NC
1157	<i>Sergeant B:</i>	_____ 11 out of Toledo.	NC

1158	Major N:	Quiet it down a little bit. Use your intercom. Okay. You got two out of Toledo, two out of Syracuse. You got –	TSU
1159	Sergeant B:	Four out of Syracuse.	TSU
1160	Major N:	Four out of Syracuse?	TSU
1161	Sergeant B:	Yep, four out of Syracuse.	TSU
1162	Major N:	You told them to just get a few up. They want all four up?	TSU
1163	Sergeant B:	Out of Toledo? Singer – Cobra.	TSU
1164	Major N:	You want all four?	ITK2
1165	Sergeant B:	They're the only one that got four.	ITK2
1166	Major N:	Okay. You told them that? Okay.	NC
1167	Sergeant B:	Okay.	NC
1168	Major N:	Toledo's got two, but I'm not sure how many –	NC
1169	Sergeant B:	Alpino's got two.	NC
1170	Major N:	They're coming?	NC
1171	Sergeant B:	Yeah.	NC
1172	Speaker 1:	There's more than one aircraft coming over – keep a search and note the guy that _____.	RTA
1173	Foxy:	Do we know who they are?	ITK2
1174	Major N:	No, I have no clue. That's not the weapons. That's not the weapons?	ITK2
1175	Sergeant B:	No.	ITK2
1176	Speaker 1:	Langley is –	NC
1177	Major N:	Jamie, track number CR213.	SUK
1178	Sergeant B:	I'm so sorry.	MISC
1179	Major N:	Go ahead. Go ahead. Track number CR213 on the _____ border. There's a bunch of airplanes there. Don't know what it is, so somebody's gonna have to check that out.	COA, TSU, VRM
1180	Sergeant B:	That's quite a way out.	TSU
1181	Foxy:	Cleveland, line 2.	MISC
1182	Sergeant B:	Can I help you?	MISC
1183	Major N:	Okay. You need to read this. _____ commander has declared that we can shoot down tracks that do not respond to our –	SUK, KT
1184	Sergeant B:	Okay?	MISC
1185	Major N:	Okay. That's not the weapons?	ITK2

1186	<i>Foxy:</i>	That's what we want to see airborne.	TSU
1187	<i>Major N:</i>	Okay. How many FD you got going? Two FDs?	ITK2
1188	<i>Foxy:</i>	Yeah, they're _____. They're fucking with me.	NC
1189	<i>Major N:</i>	The reason commander has declared that we can shoot down aircrafts that do not respond to our direction. Okay? Did you copy that?	UR
1190	<i>Foxy:</i>	Copy that, sir.	MISC
1191	<i>Major N:</i>	So if you're trying to divert somebody and he won't divert.	KT
1192	<i>Speaker:</i>	Atlantic City scrambled 1330.	SUK
1193	<i>Major N:</i>	You guys are gonna upload with heaters and slammers. Okay. Let's get the –	ITK2
1194	<i>Major N:</i>	Yeah, we go a lot of tankers. Don't worry about that.	TSU
1195	<i>Foxy:</i>	PO's saying no.	ITK2
1196	<i>Major N:</i>	No? It came over the chat. Man, I'm kind of rushed right now. I've got all kinds of things going on. I'll try to get somebody to get to you, okay? Foxy, you got a conflict on that?	TSU, ITK2
1197	<i>Foxy:</i>	What's that?	ITK2
1198	<i>Major N:</i>	You got a conflict on that direction.	ITK2
1199	<i>Foxy:</i>	Right now, no, but –	ITK2
1200	<i>Major N:</i>	Okay. How many aircrafts at Atlantic City?	ITK2
1201	<i>Speaker 1:</i>	You read that from the Vice President; right?	TSU
1202	<i>Major N:</i>	Vice President has cleared us to shoot them down if they do not respond through sonar CT. If that's weapons –	SUK
1203	<i>Speaker 1:</i>	Okay.	MISC
1204	<i>Major N:</i>	I will pass it then to the MCC.	MISC
1205	<i>Speaker 1:</i>	Well –	NC
1206	<i>Major N:</i>	MCC I have a check at E3. How many aircrafts just got off of Atlantic City?	SUK, ITK2
1207	<i>Speaker 13:</i>	Supposedly four, but I don't know if they're airborne yet.	ITK2
1208	<i>Major N:</i>	Four. Scramble PAT.	COA
1209	<i>Major N:</i>	Okay. Do you have a call sign?	ITK2
1210	<i>Sergeant B:</i>	I got another E3. He was already airborne out at _____.	TSU

1211	<i>Sergeant B:</i>	_____ cause they need to know where he wants to go – where we want him to go? If I get a hold of somebody, I got to kind of make the decision.	TSU
1212	<i>Major N:</i>	Okay. Have we got somebody prosecuting this track – remember that – behind Swordfish?	ITK2, VRM
1213	<i>Sergeant B:</i>	Make sure _____ pick up the kids tonight, Mike.	NC
1214	<i>Major N:</i>	I'll tell her, yeah. Thanks, Grover. We got a _____ coming over the ocean. Hey, Brian, you got 24 – what the hell – what's this mass tracking? What's this mass tracking?	SUK, ITK2, VRM
1215	<i>Female Speakers:</i>	If they're heading to Bangor. What are they doing down here?	ITK2, VRM
1216	<i>Female Speakers:</i>	They're heading the wrong way for Bangor.	TSU
1217	<i>Major N:</i>	No shit. I need to –	MISC
1218	<i>Female Speakers:</i>	Well, then that is supposed to be going to Bangor.	TSU
1219	<i>Speaker:</i>	They're heading the wrong way.	TSU
1220	<i>Female Speakers:</i>	They're not heading to Bangor, and they will not answer our communication.	KT
1221	<i>Speaker 13:</i>	Once you get the tanker you've bingo to Langley at 1830.	COA
1222	<i>Major N:</i>	Okay. They're working tanker support from my understanding.	TSU
1223	<i>Foxy:</i>	Yes, they are.	TSU
1224	<i>Major N:</i>	Okay. You're challenging that Mac truck there; is that what you're doing?	ITK2, VRM
1225	<i>Female Speakers:</i>	Yeah.	ITK2
1226	<i>Major N:</i>	Okay. Can you determine which referencing was searching out behind 21 and just give me a status on that?	ITK2, RTA
1227	<i>Female Speakers:</i>	I just want to let you know that we had a _____04 that landed.	KT
1228	<i>Major N:</i>	Okay. All right. Have they responded to a radio call?	ITK2
1229	<i>Female Speakers:</i>	One on Team 04.	ITK2
1230	<i>Major N:</i>	But has anybody talked to them, and do they have weapons of any sort?	ITK2

1231	<i>Sergeant B:</i>	Let me know about on that ____.	ITK2
1232	<i>Foxy:</i>	43	ITK2
1233	<i>Major N:</i>	Yeah, 043. Okay. They're searching that one down.	ITK2
1234	<i>Female Speakers:</i>	No, nothing yet. It's gonna be the front load.	ITK2
1235	<i>Major N:</i>	Okay. You got four A10s and ____.	ITK2
1236	<i>Foxy:</i>	Got it.	MISC
1237	<i>Speaker 1:</i>	Okay. So we need to – they might be getting diverted.	SUK
1238	<i>Major N:</i>	By?	ITK2
1239	<i>Speaker 1:</i>	Can A10 hang with the KC10s?	ITK2
1240	<i>Speaker:</i>	Standby.	MISC
1241	<i>Sergeant B:</i>	That's a lot of tail, and they're going into a head wind.	SUK
1242	<i>Major N:</i>	This guy's never been out of Andrews as well?	ITK2
1243	<i>Sergeant B:</i>	What's that?	ITK2
1244	<i>Major N:</i>	Is there's guy out at Andrews as well?	ITK2
1245	<i>Sergeant B:</i>	My guess is FHA is letting us do it.	ITK2
1246	<i>Major N:</i>	Under our control? Are they airborne?	ITK2
1247	<i>Sergeant B:</i>	I don't know.	ITK2
1248	<i>Major N:</i>	Oh, okay. We have fighters down at Andrews under our control? Conar's asking? No.	ITK2
1249	<i>Female Speakers:</i>	I just picked up scrambling right now.	SUK
1250	<i>Major N:</i>	Scrambling?	ITK2
1251	<i>Female Speakers:</i>	Yes.	ITK2
1252	<i>Major N:</i>	They'll come under our control then? Okay.	IMM
1253	<i>Female Speakers:</i>	Someone needs to push your chair in.	NC
1254	<i>Major N:</i>	I've been standing. I don't sit during this.	NC
1255	<i>Sergeant B:</i>	They're on their way now.	SUK
1256	<i>Speaker 15:</i>	First 124 is headed to the Washington area now.	SUK
1257	<i>Major N:</i>	I'm set.	NC
1258	<i>Foxy:</i>	ay. See that ____ 542?	VRM
1259	<i>Foxy:</i>	fety zone there to deposit some ____.	ITK2

1260	<i>Foxxxy:</i>	I've got Sting refueling right now 071, and he's investigating _____. The reference point with Bravo 083 went down.	SUK
1261	<i>Foxxxy:</i>	Having an _____ and investigating that point, and I'm gonna bring them this way.	SUK
1262	<i>Foxxxy:</i>	Okay?	MISC
1263	<i>Foxxxy:</i>	So that's what's going on.	MISC
1264	<i>Speaker 13:</i>	Where would you like me to put – I'm thinking bring Sting somewhere over here.	SOG, VRM
1265	<i>Major N:</i>	Sting?	SOG, VRM
1266	<i>Speaker 13:</i>	You got Saber going here.	SOG, VRM
1267	<i>Major N:</i>	Saber going there.	SOG, VRM
1268	<i>Speaker 13:</i>	I might actually push Saber over here and get that one.	SOG, VRM
1269	<i>Major N:</i>	Get that one.	RTA, VRM
1270	<i>Speaker 13:</i>	Two out of four is only two out of large cities we can use it at that point.	TSU
1271	<i>Major N:</i>	Yeah, we got two more.	TSU
1272	<i>Speaker 13:</i>	I'm just telling you they're just there available if you need them.	TSU
1273	<i>Major N:</i>	You got two in the scramble pattern at Andrews?	ITK2
1274	<i>Speaker 13:</i>	I can put them at – somebody said the _____ scrambled down in Orlando.	SUK
1275	<i>Major N:</i>	Okay. Okay. Atlantic City airborne yet?	ITK2
1276	<i>Sergeant B:</i>	They're taking off southwest bound to begin what's primary.	ITK2
1277	<i>Major N:</i>	Where at – out of – that's probably JFK right there.	VRM
1278	<i>Sergeant B:</i>	he's going to need tanker support	KT
1279	<i>Sergeant B:</i>	About 1800 he's gonna be based. We got a couple of hours, but –	TSU
1280	<i>Speaker 13:</i>	_____ heading to Washington – he's good till 1800.	TSU
1281	<i>Major N:</i>	Okay. That's good. I got tankers. Foxxxy, I got a search only track that this came out of the Suffolk area, JFK area.	SUK
1282	<i>Foxxxy:</i>	Uh-huh.	MISC

1283	<i>Major N:</i>	Just made a left-hand turn and just went to aux right over here. So surround this area right here. Right here man, I think that's the track right there. Foxy, make sure somebody's tracking that area, keep an eye on that guy who went –	TSU, VRM, RTA
1284	<i>Female Speakers:</i>	There's not control over them.	TSU
1285	<i>Major N:</i>	Okay. They have a bomb threat?	ITK2
1286	<i>Female Speakers:</i>	Yeah, someone called the police _____.	ITK2
1287	<i>Female Speakers:</i>	_____.	NC
1288	<i>Speaker 13:</i>	Better have somebody check them out.	RTA
1289	<i>Female Speakers:</i>	Have you found anything?	ITK2
1290	<i>Major N:</i>	No.	ITK2
1291	<i>Speaker 13:</i>	As a matter of fact it's _____.	NC
1292	<i>Major N:</i>	It's supposed to be those A10s.	TSU
1293	<i>Speaker 13:</i>	The story we heard is they're coming down and bringing five or six A10s with it.	SUK
1294	<i>Sergeant B:</i>	Refer to coordination. I've got the Washington area split off. Julian's controlling just that area. Him _____ are the two Ps.	RTA, TSU
1295	<i>Major N:</i>	Okay. Good. Also any words on the OTIS guys taking off?	ITK2
1296	<i>Sergeant B:</i>	Yeah, they intercepted the Delta. They're down there right now.	ITK2
1297	<i>Major N:</i>	I've got a mission for them.	TSU
1298	<i>Sergeant B:</i>	ID those guys?	ITKW
1299	<i>Major N:</i>	ID those guys. Merck, remember what I said?	RTA
1300	<i>Female Speakers:</i>	The aircraft that you were looking for don't bother looking for it anymore.	COA
1301	<i>Major N:</i>	Which one/	ITK2
1302	<i>Speaker 1:</i>	The one in Kentucky.	ITK2
1303	<i>Major N:</i>	Where in Kentucky?	ITK2
1304	<i>Speaker 1:</i>	American 77.	ITK2
1305	<i>Major N:</i>	I didn't hear about that one.	TSU
1306	<i>Female Speakers:</i>	They were looking for it.	TSU
1307	<i>Speaker 1:</i>	They were just trying to locate it.	TSU

1308	Major N:	Kentucky? That came from who?	ITK2
1309	Speaker 1:	From FAA on their line.	ITK2
1310	Major N:	American 11 or 77? Also I need you if you could fax – what's the ones that we're using for authentications to scramble aircrafts?	ITK2, RTA, ITK2
1311	Foxy:	The _____ ones.	ITK2
1312	Major N:	No, the real world.	ITK2
1313	Sergeant B:	Oh, that's Speaker 195.	ITK2
1314	Major N:	To scramble aircrafts we use what?	ITK2
1315	Sergeant B:	509	ITK2
1316	Major N:	509. Send copies of 509 just faxing of any 509.	RTA
1317	Foxy:	The one we have are Speaker 195.	TSU
1318	Foxy:	We have Speaker 193s and 506s.	TSU
1319	Major N:	506	TSU
1320	Sergeant B:	I'm not gonna doubt your memory. One of the KC10s needs to reserve 50, 000 pounds for _____.	COA
1321	Major N:	Got it. Check. I want a good link with them.	RTA
1322	Sergeant B:	Good.	MISC
1323	Foxy:	Are we gonna hit somebody.	ITK2
1324	Major N:	Yea, they're checking.	ITK2
1325	Speaker:	Hey, you got the word on Kentucky?	TSU
1326	Major N:	Yeah, they already know that up there.	TSU
1327	Sergeant B:	I'm not – I don't have a clear picture –	TSU, VRM
1328	Major N:	What do you got? Yeah.	ITK2
1329	Sergeant B:	One with the altitude of 62. the other aircraft are south, we can't talk to anybody.	KT
1330	Major N:	I just sent what's her name up there – Patty. She just said they're getting good code on it and everything. I already called it in once, and I had to go up and talk to Major _____.	TSU
1331	Sergeant B:	I mean we're not 50 miles –	NC
1332	Major N:	Okay. ACMP – I'll get it. I'll just point them out to you. Search target – whelp, it looks like it might have faded now again. What was the check number? 614, I'll send the attention out again.	VRM, ITK2, TSU
1333	Speaker 19:	Hey, Tim, how long have you been sitting?	ITK
1334	Tim:	Probably about 40 minutes.	ITK
1335	Speaker 19:	Okay.	ITK



1336	<i>Tim:</i>	Just give me a shout if nobody comes back to relieve you. Okay?	RTA
1337	<i>Speaker 19:</i>	All right.	MISC
1338	<i>Major N:</i>	Product 614 the NCA are there's a sign, so go and investigate that.	VRM, COA
1339	<i>Sergeant B:</i>	I want to make sure we don't call everybody in.	MISC
1340	<i>Major N:</i>	Hey Sue. Is Sue doing anything right now?	ITK
1341	<i>Sergeant B:</i>	No, not that I know of.	ITK
1342	<i>Major N:</i>	I need for tom to do some phone calls.	MISC
1343	<i>Sergeant B:</i>	Hey, you got a Main 92 just south of that.	VRM
1344	<i>Major N:</i>	Set up this _____ please. Yeah. The CPA head that's fine. That's all I need to have. Okay. I need to call _____ Control, _____ in chat, and tell Patty that we're still having problems with 62. If there's a convenient way to stay in contract with 62. Yeah. Who you talking to?	RTA, TSU, ITK2
1345	<i>Speaker 1:</i>	62	ITK2
1346	<i>Major N:</i>	I'm sending them up there. 50 miles south. Not good enough.	KT
1347	<i>Sergeant B:</i>	You gonna get an active point where Foxtrot going out there –	ITK2
1348	<i>Major N:</i>	The OTIS guys. Charlie, Foxtrot?	ITK2
1349	<i>Major N:</i>	What time? Okay 1415. Okay. Go ahead whoever's calling the FT.	ITK2, RTA
1350	<i>Sergeant B:</i>	All right. Thanks.	MISC
1351	<i>Speaker 1:</i>	Right now, they _____ our efforts to divert them.	KT
1352	<i>Major N:</i>	Okay. Let me get a role call of who's where?	TMM2
1353	<i>Speaker 1:</i>	They won't respond to hand signals.	SUK
1354	<i>Major N:</i>	Okay. Wait a minute. Tim, let's go beyond. And you're watching the DC; right? Okay. Jennings has got New York, the six.	TMM2
1355	<i>Tim:</i>	The MCC.	NC
1356	<i>Major N:</i>	Okay. What else do we got here. Junabi, what do you got?	TMM2
1357	<i>Speaker 1:</i>	We're inbound on them.	TMM2
1358	<i>Major N:</i>	I think they're dong the area, aren't they?	TMM2
1359	<i>Female Speakers:</i>	Yeah, they're doing the area.	TMM2

1360	Major N:	Holy shit. All right. Who else we got? And Jeff's doing – Jeff's watching where? Cleveland or he's watching LS?	TMM2
1361	Female Speakers:	Yeah, he's watching the _____ area.	TMM2
1362	Major N:	Okay. 1011 what areas do you have? Okay.	TMM2
1363	Speaker:	_____ he's over water.	TMM2
1364	Sergeant B:	I need call signs from the BSL.	TMM2
1365	Major N:	You got Boston? Okay. Gotcha. Know from this guy. Where these are coming from? We can find all this out. Where these guys are coming from and where they're supposed to be going? Call this _____. No, if they send them call me back. Call their command post. Yeah.	TMM2, VRM, RTA
1366	Sergeant B:	Okay. I got a problem.	TSU
1367	Speaker 1:	You can tell when exactly.	TMM2
1368	Major N:	Right. At this time yes.	TMM2
1369	Sergeant B:	I got a problem.	TSU
1370	Major N:	Where's he heading?	ITK2
1371	Female Speakers:	To the west.	ITK2
1372	Sergeant B:	Main 92, I didn't know how much leeway we had –	TSU
1373	Major N:	Oh, they could be taking a different flight plan you know.	KT
1374	Sergeant B:	Like at 80,000 –	TSU
1375	Major N:	I got to go talk to Colonel M and give him all the update on what's going on.	TSU
1376	Sergeant B:	I know I need him to refuel team 21.	RTA
1377	Major N:	Can you see if this is up to snuff –	MISC
1378	Sergeant B:	Yep, team 21 it's right there. Okay. Yeah, yeah,, it's right there. Thank you. Main 92 has 80,000 pounds of fuel. We're gonna – yep, we're gonna try to get Main 92 right now to go to team 21.	VRM, RTA, FI
1379	Major N:	That's a good call.	FI
1380	Sergeant B:	I need to talk to Pittsburgh.	MISC
1381	Recorded Voice:	The person at extension 4747347 –	MISC
1382	Sergeant B:	Go walk down there.	NC
1383	Sergeant B:	Yes, sir. This is huntress calling.	MISC

1384	Speaker;	Yes.	MISC
1385	Sergeant B:	Hey, you guys are having a problem getting one of your planes off the ground.	ITK2
1386	Speaker:	Well, we have one airborne.	ITK2
1387	Sergeant B:	You have one airborne and the other one's _____ won't let it take off?	ITK2
1388	Speaker:	That I don't know.	ITK2
1389	Sergeant B:	CO72.	NC
1390	Speaker:	Let me transfer you to the front desk.	MISC
1391	Sergeant B:	All right. Thanks. Okay.	MISC
1392	Recorded voice:	The person at extension 4747347 is on the phone. Thank you for calling the line of _____ Operation Desk. At this time there's no one available to take your call. If you leave your name, number and a brief message, we'll be happy to call you back. If you need to speak to someone right away or to leave an important message –	MISC
1393	Major N:	Right the destination unknown right?	ITK2
1394	Female Speakers:	Really quickly –	NC
1395	Major N:	Do a fly by and then determine if they're friendly and do they have weapons --	COA
1396	Female Speakers:	_____ Park western intersection –	NC
1397	Major N:	Yeah, the second tower went; right?	ITK2
1398	Female Speakers:	Yeah.	ITK2
1399	Major N:	Unbelievable. What's that? I'd rather you didn't cause I'm waiting for call back for – yeah, I saw that. It's been up there for a bit. Look at that. They got the gates down do they? Fuck.	MISC
1400	Female Speakers:	_____ what areas are you looking at?	VRM, ITK2
1401	Major N:	I'm watching the whole thing.	ITK2
1402	Female Speakers:	Watching the whole thing.	ITK2
1403	Sergeant B:	Sergeant Swept, it's Sergeant B. Is this the SB? This is the SB position.	ITK2
1404	Captain S:	This is Captain S from Footrope.	MISC
1405	Sergeant B:	Okay.	MISC

1406	Captain S:	Hey, we got a track in our system on a code of 1545, just wondering if you guys have seen him. Cause I know I'm not making that up yet.	SUK, ITK2
1407	Sergeant B:	1545?	ITK2
1408	Captain S:	Yeah.	ITK2
1409	Captain S:	I'm on the 12 loop.	ITK2
1410	Sergeant B:	It's located 1545.	ITK2
1411	Captain S:	You did?	ITK2
1412	Sergeant B:	No, I'm looking.	ITK2, VRM
1413	Captain S:	Okay. Right now he's just southeast of looks like New York City there, southeast –	ITK2, VRM
1414	Sergeant B:	Southeast of New York City.	ITK2
1415	Captain S:	He's right on the corner of Whiskey 105, the eastern corner – correction, the western corner.	ITK2, VRM
1416	Sergeant B:	All right. Yeah, I see him.	VRM
1417	Captain S:	You got him?	ITK2
1418	Sergeant B:	Yeah, hold on.	ITK2
1419	Major N:	that's cap that's cap	VRM, ITK2
1420	Sergeant B:	1545 at 17,000.	ITK2
1421	Captain S:	Yeah, I just wanted to make sure you guys had him.	KI
1422	Sergeant B:	Okay. What about him?	KI
1423	Captain S:	We don't want to mix that up yet.	KI
1424	Sergeant B:	Yeah, what about him?	KI
1425	Captain S:	Well, I know no one's supposed to fly and people are supposed to get slammed and stuff. I just wanted to make sure you guys have a heads up.	KI
1426	Sergeant B:	All right. But he's friendly?	KI
1427	Captain S:	What's that?	KI
1428	Sergeant B:	He's a friendly.	KI
1429	Captain S:	I understand he's friendly, but what's going on with the incident in New York.	KI
1430	Captain S:	No airplanes are supposed to fly.	KI
1431	Sergeant B:	Oh, okay, so you want us to check that aircraft out.	KI
1432	Captain S:	No, I don't want you to go intercept him or anything. I'm just giving you a heads up that he's there.	KI
1433	Sergeant B:	Okay. But you don't have a call sign?	ITK2
1434	Captain S:	Okay.	MISC

1435	<i>Sergeant B:</i>	You don't have a call sign?	ITK2
1436	<i>Captain S:</i>	No, I'm not talking to him. I just we're looking at our radar and we saw him.	ITK2, VRM
1437	<i>Captain S:</i>	He came from Rhode Island area, and –	SUK
1438	<i>Sergeant B:</i>	All right. He's got two in trail of him also. Okay. Thanks Bye.	KT
1439	<i>Captain S:</i>	All right.	MISC
1440	<i>Major N:</i>	Hey, Jeff, you got a call from the Cleveland area. They wanted to know what staff is gonna be working in the area. You need to make sure that –	ITK2, RTA
1441	<i>Sergeant B:</i>	Okay. All right. Weapons, Sergeant B.	MISC
1442	<i>Foxy8:</i>	Hi, Sergeant, is Major Potter available to do work now?	ITK2
1443	<i>Sergeant B:</i>	Yeah, he's very busy.	ITK2
1444	<i>Foxy8:</i>	Okay. Well, listen. No, I'm not – I just wanted to make sure he was okay.	MISC
1445	<i>Sergeant B:</i>	Okay. Yeah, he's real busy and I'll give him a message.	MISC
1446	<i>Foxy8:</i>	It's okay. I'm home. Just tell him I called.	MISC
1447	<i>Sergeant B:</i>	Okay. Ma'am.	MISC
1448	<i>Foxy8:</i>	Thank you. Bye.	MISC
1449	<i>Sergeant B:</i>	Bye.	MISC
1450	<i>Major N:</i>	Bravo 633. Bravo 636, Bravo 635.	ITK2
1451	<i>Sergeant B:</i>	I just told you that.	ITK2
1452	<i>Speaker:</i>	We don't know who it is, but Washington seems to know it's military working with us.	ITK2
1453	<i>Sergeant B:</i>	Huntress say again?	MISC
1454	<i>Speaker:</i>	We don't know –	ITK2
1455	<i>Major N:</i>	How about that 366 area? Say again? Is that 366 – no, 636. My attention on them again. There's two tracks right there, and then west of that there's another one. MCC Major _____.	ITK2, VRM
1456	<i>C. L. :</i>	Hey, this is C. L. .	MISC
1457	<i>C. L. :</i>	Calling in. I got a phone call to call the MCC. I don't have the MCCs number, but I was notified that I needed to call in and let you guys know that I'm alive and well and at my home.	MISC
1458	<i>Major N:</i>	Okay. All right. I'll pass that on.	MISC
1459	<i>C. L. :</i>	Yep. Who's – is this Russ?	MISC
1460	<i>C. L. :</i>	Okay. Yep. Thanks, Russ.	MISC

1461	Major N:	Yeah. Okay. Bye. Can you pass on to the MCC that whoever was doing the recall that C. L. just called in? He's checking in from the recall roster. I got two more tracks over NCA.	SUK
1462	Speaker 13:	Go to Bangor.	SUK
1463	Major N:	Yeah, I see that. They stopped squawking like a minute or two ago.	VRM, TSU
1464	Sergeant B:	Okay. Weapons notified.	TSU
1465	Major N:	We got it. Okay. Foxy, I got – hey, we have two tracks right now of interest. You been telling them targets –	KT, VRM
1466	Sergeant B:	-- that we confirm.	NC
1467	Major N:	Okay. 633, 636. Got it.	TSU
1468	Female Speakers:	Try not to yell.	MISC
1469	Major N:	Is it bad for you – Cleveland Center.	MISC
1470	Foxy:	Going to 701 of the area –	TSU
1471	Major N:	Okay. This guy here Bansaw Kilo.	TSU, VRM
1472	Major N:	On whiskey 701. Okay. I'm letting the weapons guys deal with hit. They're doing it. They're logged, but they're not. The Bansaw kilo? Okay. Bansaw kilo active –	IMM
1473	Sergeant B:	Can you get up to Bell cap.	NC
1474	Major N:	!450 and he is gonna orbit at – off of whiskey 701.	KT
1475	Sergeant B:	Want me to fill you in?	MISC
1476	Major N:	Hold on.	MISC
1477	Female Speakers:	What are the ideas – looks like they're breaking off.	VRM, SUK
1478	Sergeant B:	Man, I got to pee.	NC
1479	Tim:	American Airlines _____.	NC
1480	Sergeant B:	Get the fuck out.	NC
1481	Major N:	Also what's the information on the intercept over Boston?	ITK2
1482	Speaker 30:	Hi, is Ron B around.	MISC
1483	Sergeant B:	Yeah, this is me.	MISC
1484	Speaker 30:	Hi, you okay?	MISC
1485	Sergeant B:	Yeah, I'm busy.	MISC
1486	Speaker 30:	Are you?	MISC
1487	Speaker 30:	All right. Call me, okay?	MISC
1488	Sergeant B:	Okay. Bye.	MISC

1489	Speaker 30:	Bye.	MISC
1490	Speaker 21:	Calling huntress. Say again complete call from?	ITK2
1491	Speaker 13:	This is caps 2 on 234.6.	ITK2
1492	Speaker 21:	Caps 2 copy out. What's our code 3 and intention?	ITK2
1493	Speaker 16:	Huntress, huntress, 23 heavy.	ITK2
1494	Sergeant B:	Team 23 huntress. Standby.	MISC
1495	Team 23	We got a request of -- they want us overhead Andrews.	ITK2
1496	Sergeant B:	Request approved.	ITK2
1497	Major N:	Tell them right now we have intercept authority.	KT
1498	Sergeant B:	Team 23 we have approved as request?	ITK2
1499	Team 23:	Thank you.	MISC
1500	Major N:	We didn't get anything from caps.	TSU
1501	Sergeant B:	Caps 2 huntress.	MISC
1502	Major N:	I have a mission for them if you'd like to -- if you can pass it Go ahead. They're gonna be refueling on Century 40. The mission crew is Bansaw Kilo.	COA
1503	Speaker 1:	Bansaw Kilo.	MISC
1504	Major N:	The locations gonna be 701. Huntress.	TSU
1505	Speaker:	Yes, we just had a McGuire -- a General come from McGuire and team 21. they want him to pass all his fuel to either other aircrafts and come back to McGuire and land and refuel and come back up.	COA
1506	Sergeant B:	Okay. Hold on a second.	MISC
1507	Speaker:	All right.	MISC
1508	Sergeant B:	Give me --	NC
1509	Major N:	ID real world _____ com 3.	RTA
1510	Sergeant B:	Team 21 --	NC
1511	Speaker:	They want team 21 to get rid of all the fuel he needs to get rid of to go homeland. They want him to refuel when he gets there, and come back out.	TSU
1512	Sergeant B:	All right. So they want to get rid of the fuel he currently has, refuel at McGuire, and then come back out for the mission.	TSU
1513	Speaker:	That's correct.	TSU
1514	Speaker:	Thank you. Bye.	MISC

1515	Major N:	Conar –	NC
1516	Sergeant B:	Fucking sheet?	NC
1517	Major N:	I got it. Conar.	NC
1518	Sergeant B:	I was just talking 21. You guys talking to 21?	ITK2
1519	Major N:	From American Airlines, okay? I think we need updates when you can for the Conar commander. Jamie? I need to get some information from you. How much time do I have with the guys over New York City. We need updates on New York City. I got updates on poppa Alpha – 46.	TSU, ITK2
1520	Sergeant B:	Got it. We're up. Got it. Got it. Yes. I also got it on that too. Okay. Bye.	TSU
1521	Major N:	You can tell my wife don't bother going through – what do you call it. I don't know when I'm gonna be home.	NC
1522	Sergeant B:	12.1 and they got a tanker in the area.	KT
1523	Major N:	Did you copy real world deaf com 3? Yeah. Okay.	ITK2
1524	Sergeant B:	Copy that.	MISC
1525	Sergeant B:	12.1 and they got a tanker in the area.	TSU
1526	Major N:	Okay. Great. Yeah. Okay. I got the guys over New York City 12.1 with a tanker, so I got lots of gas. Yeah. Pantha 4546. Okay. Got it? Bye.	TSU
1527	Speaker 1:	Washington Center just called saying Langley refuses to launch any jets.	SUK
1528	Major N:	The Mains that just launched were designated to refuel – Washington.	SUK
1529	Speaker 1:	They said if you –	MISC
1530	Speaker:	McGuire.	ITK2
1531	Speaker 1:	-- available that I could use the Mains somewhere else. If they do I've got 100, 000 _____.	TSU
1532	Speaker 1:	I'm gonna use the Mains to start refueling the F16s that have been mentioned out of --	SOG
1533	Major N:	Okay. Who owns the teams?	ITK2
1534	Speaker 13:	You want me to get weapons and find out who's airborne, how many?	ITK2
1535	Major N:	Right. And give me some fuel stats.	ITK2
1536	Sergeant B:	-- huntress Whiskey 107.	MISC
1537	Speaker 16:	Go ahead.	MISC



1538	<i>Sergeant B:</i>	Somebody called me about team 21.	MISC
1539	Speaker 16:	Yeah, I just wanted to know was he on the block?	ITK2
1540	<i>Sergeant B:</i>	Well, listen – well this is about McGuire called, and they wanted him to dump fuel and then land McGuire refuel and come back.	KT
1541	Speaker 16:	Uh-huh.	MISC
1542	<i>Sergeant B:</i>	All right. Listen, do you guys have qualms over going to McGuire?	ITK2
1543	Speaker 16:	No, we don't have qualms with McGuire.	ITK2
1544	<i>Sergeant B:</i>	All right. Well, here's the deal with the McGuire birds.	MISC
1545	<i>Sergeant B:</i>	Team 21 is gonna get refueled by Main 92 at Whiskey 107 right now; right?	KT
1546	Speaker 16:	Uh-huh. Yeah.	MISC
1547	<i>Sergeant B:</i>	So I'm gonna call McGuire and let them know that cause obviously they're not getting some information.	FI
1548	Speaker 16:	Okay. You want me to take Main 92 and 107 and don't take them to 105?	FI
1549	<i>Sergeant B:</i>	No, no, no, leave it as it is. Main 92 is going to 107 to refuel team 21?	FI
1550	Speaker 16:	Okay. Okay.	MISC
1551	<i>Sergeant B:</i>	Got that?	MISC
1552	Speaker 16:	Someone called earlier and wanted Main 92 to go to 105.	TSU
1553	<i>Sergeant B:</i>	Okay. I don't know what's going on with that. I'm just _____ so.	TSU
1554	Speaker 16:	Okay.	MISC
1555	<i>Sergeant B:</i>	Okay. Run your battle.	MISC
1556	Speaker 16:	Bye.	MISC
1557	<i>Sergeant B:</i>	Who's team –	ITK2
1558	<i>Major N:</i>	They got it. Call them and ask them.	ITK2
1559	<i>Sergeant B:</i>	Yeah, this is huntress calling.	MISC
1560	Speaker:	Yeah.	MISC
1561	<i>Sergeant B:</i>	Listen, somebody called Giant Killer saying they wanted us to pack to us that team 21 to dump it's fuel and get to McGuire refuel and come back out.	FI
1562	Speaker:	Hold on. Just a second.	MISC
1563	<i>Sergeant B:</i>	All right.	MISC

1564	Speaker:	Okay. Say again please? We got a bunch of stuff going on.	MISC
1565	Sergeant B:	Yeah, I know me too. Team 21.	FI
1566	Speaker:	Okay.	MISC
1567	Sergeant B:	Is currently in Whiskey 107.	FI
1568	Speaker:	Okay.	MISC
1569	Sergeant B:	All right. I got a call from Giant Killer saying that somebody from McGuire called and said they wanted team 21 to dump the rest of the fuel he has, come down to McGuire, refuel, and come back for further refuels, refuels missions. Okay.	FI
1570	Sergeant B:	All right. Listen, team 21 is currently gonna be getting refueled by a main 92 in the Whiskey 107 area.	FI
1571	Speaker:	Main 92?	FI
1572	Sergeant B:	Yep, Main 92 is – he should be with him right now. He is to his west 24 miles.	FI
1573	Sergeant B:	So they're gonna hook up and refuel team 21 cause he's pretty low.	FI
1574	Sergeant B:	All right.	MISC
1575	Sergeant B:	Thanks.	MISC
1576	Speaker:	All right. Thanks.	MISC
1577	Sergeant B:	Okay. I got to pee.	MISC
1578	Foxxxy:	Cap 2 is –	TSU
1579	Sergeant B:	This must be Caps 1.Huntress.	VRM, TSU
1580	Female Speakers3:	Is _____ there?	NC
1581	Sergeant B:	Yeah, he's a little busy. Can I take a message?	MISC
1582	Female Speakers3:	Would you tell him that his wife is at home. He doesn't have to worry.	MISC
1583	Sergeant B:	Okay. Great. Thanks.	MISC
1584	Female Speakers3:	Bye.	MISC
1585	Speaker 1:	He's squawking the same mode 3. I'd like Caps 2 to squawk.	TSU, RTA
1586	Tim:	_____ of Air Force 1.	ITK2
1587	Major N:	Don't know yet. Hasn't had any word on chat. They can contact them up there.	ITK2
1588	Sergeant B:	What happened to the tanks now? I needed that.	ITK2
1589	Speaker:	What's the chick?	ITK2

1590	Major N:	Chick will be team 21.	ITK2
1591	Speaker:	Roger that. You talking about the 22 I just got.	ITK2
1592	Major N:	Moving 22's not my freq. Thank you very much. If you got to pee, go pee. Make sure that FAA coordinates with huntress control.	TSU, RTA
1593	Speaker 1:	Watch out for the coffee behind you.	MISC
1594	Major N:	God damn it. Good job, buddy, you're keeping get grip on it.	MISC
1595	Speaker 1:	We got everybody out here, FB and _____ wants a break.	MISC
1596	Major N:	Help out with the – I want you and Phil working like the links chicks clip and with E3 placement stuff like that cause certainly – I want you guys working with that. And if need be – your still weapons; right? Plus you guys can swing. Yeah. Great. Where? Still the tanker. Okay. Okay. E3s. Yeah.	RTA, ITK, SOG
1597	Speaker 9:	This is Flight A10, we're going home to Westover. We grabbed the tanker. He's got about 20, 000 available and we're gonna park him –	VRM, KT
1598	Major N:	Great. Might be a good point to tell them to isolate the tankers again? Got 19 of them.	R, SUK
1599	Sergeant B:	Okay. Never mind he don't need to know that.	MISC
1600	Major N:	Yes. Okay.	MISC
1601	Sergeant B:	We can divert him.	R
1602	Major N:	_____ or they have to chat? No. They got the FO over there. Okay. Fine. Christ. Okay. Get rid of those.	MISC
1603	Sergeant B:	Not the whole thing coming out of East Pike.	RTA
1604	Major N:	Okay. Where's Air Force 1.	ITK2
1605	Speaker:	you ass. You made me loose my tracks	VRM
1606	Female Speakers:	Are you talking to 92?	ITK2
1607	Major N:	Grover, can you get somebody to handle that one?	RTA
1608	Speaker 1:	What?	MISC
1609	Speaker 1:	Yep.	MISC

1610	Major N:	Tell them to standby at first. Find out who they're supposed to go to and tell the controller to get a frequency. We might have a – we got to find out where Air Force 1 is right now I'm looking for him.	RTA, VRM, TMM2
1611	Speaker:	Is Bret Garner in?	MISC
1612	Sergeant B:	Yes, he is.	MISC
1613	Speaker:	What number got him on – we got somebody's who trying to get a hold of him?	MISC
1614	Sergeant B:	What's your extension over here Bret? 6336.	MISC
1615	Speaker:	Okay. I'm transferring.	MISC
1616	Sergeant B:	Bye. Phone call for you coming Bret.	MISC
1617	Major N:	MDT the tanker? Middletown. Right there.	IKT2, VRM
1618	Speaker 1:	How many two?	ITK2
1619	Major N:	You might utilize those guys for the armed escort. Find out who they are first.	SOG
1620	Major N:	Find out who has them.	RTA
1621	Major N:	Find out what ____ says – two coming out of Langley probably four to follow. They're gonna go up around Middleton to protect.	RTA, KT
1622	Sergeant P:	Huntress Sergeant P on the line. How can I help you?	MISC
1623	Sergeant H:	Sergeant H from Saber guards.	MISC
1624	Sergeant P:	Yes, sir.	MISC
1625	Sergeant H:	Saber, can hear you guys broadcasting.	TSU
1626	Sergeant B:	Sergeant B.	MISC
1627	Speaker:	____ 148 command point the MWD today? FD?	ITK2
1628	Sergeant B:	Not in the FD techs.	ITK2
1629	Major N:	You need to tell me what the fucking plan is up here. I'm not bitching at you, but –	RTA
1630	Speaker:	Is there any support from Duluth at this point in time.	ITK2
1631	Sergeant B:	Yeah, probably. Hold on. Let me double check. I got Duluth on the phone. They want to know if you need any support.	ITK2
1632	Major N:	Duluth. Here's something you might think about. If we want to use F15s to escort the commander chief.	SOG
1633	Major N:	No, suppose he's coming up north now. Well, let's just do that. Do that – okay. Tell them before they start asking questions.	VRM, MS, RTA

1634	Speaker:	_____ calling the units directly.	MISC
1635	Major N:	You know what tell them to push it through the command post through the higher headquarters.	RTA
1636	Sergeant B:	I got Duluth on the phone.	MISC
1637	Major N:	They need to call the battle station informed and speak to Conar like that. Be nice to them though. You gonna recap.	RTA
1638	Speaker 13:	Okay. We got everybody that we got airborne right now and where they're at.	TSU
1639	Major N:	Okay. So what do you want me to do with this?	ITK2
1640	Speaker 13:	I was gonna stat down Conar.	ITK2
1641	Major N:	I got Saber 11 and 12 in Grand Rapids. Thing 1 and Thing 2 are basically come form Toledo. 071. --	TMM2, VRM
1642	Sergeant B:	Sorry about this. We've got a lot of stuff going on, so I'm waiting for the guy you need to talk to.	MISC
1643	Speaker:	Okay. That's fine. I'm not leaving.	MISC
1644	Speaker 1:	Langley are holding over Boston and three and four are intercepting that tank encounter over the ocean. We got mover 22 AC10 in Whiskey 105. Main 92 and team 21 in location 10 louver at 135.	TMM2
1645	Sergeant B:	We've got Duluth on the line, and they want to know what we need. Who can I send them too.	ITK2
1646	Speaker 1:	And that's in 108.	NC
1647	Major N:	Give me a phone number. Okay. Well, we're not calling tankers because everybody else I calling tankers.	TSU
1648	Speaker 1:	The force 11 through 14 that I don't believe you have taken off yet.	ITK2
1649	Sergeant B:	Duluth put them on standby	COA
1650	Major N:	Coming down the – that's right. Put them on standby. 11 and 12 is put them in standby and put them in suit up and at least two _____. For who? Yeah, two ships on Duluth. Suit up.	SOG
1651	Speaker 1:	You had a couple in Syracuse somewhere didn't you?	ITK2

1652	Major N:	Okay. I'm putting two more – also I got two F15s. Another two coming from Duluth and in suit up.	TSU
1653	Speaker 1:	Atlantic City fighters, where they going?	ITK2
1654	Major N:	They're going to PAX.	ITK2
1655	Speaker 1:	They're going to PAX.	ITK2
1656	Major N:	PAX river. Okay.	ITK2
1657	Speaker:	Check list complete for assailants for surveillance ---- on slide 1. Okay do the fucking Cap management, man. Do schoolhouse shit?	VRM, RTA
1658	Speaker 13:	No, we're not showing anything right now. No.	VRM
1659	Sergeant B:	Steve, you got – I got to some –	MISC
1660	Major N:	We need to know once we're contained. Surveillance check list complete. Okay. N's got four ships out of Syracuse Cobra 1 and 2, Apex 1 and 2. We've got a tanker 135 fuel 72. They're just east of Buffalo right now. They're rejoining to refuel and then heading to Pittsburgh.	TSU, SUK
1661	Sergeant B:	Okay. Got it.	MISC
1662	Major N:	Thanks, Jamie. Jamie, have you got a minute.	MISC
1663	Major N:	Why don't you just read this to me, and I'll type it. This is for Conar a recap, okay? I started in the west. I got two F16s Grand Rapids.	VRM, TSU
1664	Speaker 1:	Okay. That's Saber 11 and 12.	TSU
1665	Major N:	Got it. Next.	MISC
1666	Speaker 1:	Cobra 1 and 2 –	TSU
1667	Speaker:	BC1 being secure the line has been used. I'm trying to get dial them back.	MISC
1668	Speaker:	If I get them, I get a hold of you.	MISC
1669	Major N:	Those are Toledo; right? Who are they joining?	ITK2
1670	Speaker 1:	Joining _____ 135.	ITK2
1671	Major N:	Washington Center? Okay.	TSU
1672	Speaker 1:	We have team 11 and 12 –	TSU
1673	Major N:	I'm gonna – man.	MISC
1674	Speaker 13:	You heard the thing about there was an aircraft circling Cleveland Center?	ITK2
1675	Major N:	I heard we –	NC

1676	Speaker 13:	We've vectored him around Cleveland twice, and he hasn't said anything.	SUK
1677	Major N:	Nothing. Okay. Nothing in Cleveland.	TMM2
1678	Foxy:	Nope.	TMM2
1679	Major N:	That's from our fighters. Okay. Next. Just a little bit. Keep them around the Detroit area.	TMM2, RTA
1680	Speaker 1:	Main 85 over New York.	SUK
1681	Major N:	Over New York City? Okay.	IMM
1682	Major N:	Okay. Over in the Cleveland area we had the report of the aircraft circling Cleveland area. The fighters have investigated the area, done a sweep. Nothing. So we're gonna pass that along. We got somebody from Washington Center asking – somebody gonna ask to request the – to get a fighter escort for the Attorney General. Yeah. That's – yeah, we're running out of tankers, man. Okay. Good. Yeah. Yeah. He's waiting. Main 85 87. Okay. Good. 8687, right. Got it. Main 92? Go this is MCC Major N.	KT, SUK
1683	Major B:	Hi, this is Major B at the Air Traffic Services _____ FA facility here in Virginia. The Attorney General is in November 4 about 40 minutes out of Washington, and he's requesting military escort into Washington National Airport. I s there anyway we can get a scramble going?	SUK, COA
1684	Major N:	I got aircraft in the area already. What's his code?	ITK2
1685	Major B:	Standby. Let me find out.	MISC
1686	Major N:	Are you listening up, Mike. You got it. Is that him? Are you still there? Hello. No, right now we've got the Attorney General, and he's requesting our men escort him in. You still there? Hello.	VRM, TSU
1687	Major B:	You still there?	MISC
1688	Major N:	Yeah, I'm still here.	MISC
1689	Major B:	Okay. The code is 6527 and Victor frequency is 13365.	TSU
1690	Major N:	13365	MISC
1691	Major B:	That's right.	MISC
1692	Major N:	Okay. We don't have any Victor capability. Is it possible to get a Uniform for us?	SUK, ITK2

1693	Major B:	Okay. Let me find out. If you hang on for just a minute, I'll get a uniform.	MISC
1694	Major N:	Like 11.	MISC
1695	Major B:	Hang on.	MISC
1696	Major N:	Okay. Also we should –	MISC
1697	Speaker:	For the same facility, the centers did you get a chance when you can look over your space and see if you have any primary.	VRM, RTA
1698	Major N:	Okay. Are you still there? Are you still there? Hello. Exactly.	MISC
1699	Major B:	Okay. Washington checked in they'll be back shortly with a uniform frequency just stay on the line.	TSU
1700	Major N:	Okay. Hey, is that – could it be squawking 4,000.	ITK2, VRM
1701	Major B:	No, 6527 is the squawk.	ITK2
1702	Major N:	6527 and you got a point of where he's at?	ITK2
1703	Major B:	Okay. I'll get that also	MISC
1704	Major N:	Okay. Just standby.	MISC
1705	Major B:	Okay. He's squawking 6522 not 27. 6522.	SUK
1706	Major N:	Okay. We're looking for him. Also sir do you have a lat./long. possible or give me a point out – we found him. I got him. We have him on our radar screen now, sir.	ITK2, VRM
1707	Major B:	You got him. Okay. Good.	ITK2
1708	Major N:	That's him right there Bravo 545.	SUK, VRM
1709	Major B:	Do you have happen to have –	ITK2
1710	Major N:	We're working it right now. We've got fighters in the area.	ITK2, TSU
1711	Major B:	Okay.	MISC
1712	Major N:	And we're gonna see if we can get to them on third escorting.	KT
1713	Major B:	Okay. So you're gonna call it 72553330.	MISC
1714	Major N:	Standby. Give me the number again.	MISC
1715	Major B:	725	MISC
1716	Major N:	725	MISC
1717	Major B:	3330	MISC
1718	Major N:	3330	MISC
1719	Major B:	Commercial is 703-904-4436.	MISC
1720	Sergeant B:	You got people on the boat.	ITK2
1721	Major N:	4436 and who am I speaking to.	MISC
1722	Major B:	Major B.	MISC



1723	Major N:	Major B. Okay. We'll try to get back to you if we can. Understand we're really hectic here and I'm sure you guys are too.	MISC
1724	Major B:	Understand.	MISC
1725	Major N:	We'll try to get back to you.	MISC
1726	Major B:	Thank you.	MISC
1727	Major N:	Uh-huh. I need escorted into Washington National. Bravo 545.	COA
1728	Speaker 1:	Do we know where he is now?	ITK2
1729	Major N:	He's just – he's out here. I think he's on a special track right out here.	VRM, TMM2
1730	Sergeant B:	Do you got lat./long.?	ITK2
1731	Major N:	No, I don't know. Get it from – okay. On this track make it a specialty.	ITK2, VRM, VRM
1732	Female Speakers:	Do you need a break?	MISC
1733	Major N:	Not yet.	MISC
1734	Female Speakers:	Are you sure?	MISC
1735	Major N:	I'm positive.	MISC
1736	Female Speakers:	_____.	NC
1737	Major N:	I'm in a zone baby. Sorry, I can't say that. You're my boss. Checklist is complete for surveillance is in right now. What do we got?	TSU
1738	Speaker 1:	Bravo 545 that's the Attorney General.	KT
1739	Sergeant B:	Airborne?	ITK2
1740	Speaker 1:	That's a special. We haven't got a –	ITK2
1741	Speaker:	I want to get all these –	VRM
1742	Major N:	Foosy?	MISC
1743	Sergeant B:	Just give me that info.	RTA
1744	Major N:	There's a helicopter out there as well. Someone might want to copy that. Okay. It's still Bravo 545. It's just on – it's a special. Okay. Please escort.	SUK, COA,
1745	Speaker 1:	Do we know what type of aircraft by any chance?	ITK2
1746	Major N:	I can get that. Can you scoot.	MISC
1747	Sergeant MK:	Northeast _____ Sergeant MK, may I help you?	MISC

1748	Lt. Colonel Ms:	Lieutenant Colonel Ms NORAD FIDO. Can you give me the number of your – of a sku that I can get a hold of your FIDO there?	MISC
1749	Sergeant MK:	The fighter officer sku number?	MISC
1750	Lt. Colonel Ms:	Yes.	MISC
1751	Sergeant MK:	Standby I'll work it for you.	MISC
1752	Lt. Colonel Ms:	Thanks. Thanks.	MISC
1753	Major N:	Go press. Push them out there and load them up.	COA
1754	Sergeant MK:	-- anyone of those three.	VRM
1755	Major N:	Okay. What does he want now? Do we know what kind of aircraft this is.	ITK2, VRM
1756	Speaker 1:	No, we do not.	ITK2
1757	Major N:	Can we get that. _____ MCC, Major N	ITK2
1758	Captain S. S.:	Yeah, hi. This is Captain S. S. from the 106 rescue wing down in Long Island.	MISC
1759	Major N:	Scott, how you doing? How can I help you, man?	MISC
1760	Captain S. S.:	Oh, excellent. I guess we could all be better, huh?	MISC
1761	Major N:	No shit.	MISC
1762	Captain S. S.:	Hey, we've passed to do some airborne commanding control. We're just waiting for launch authority with one of our 130s. We are wondering what's the TOM plan, the frequencies are they secure – what's going down?	KT, MS, ITK2
1763	Major N:	I got controllers all over up and down the east coast right now. You can contact us if need be on AICC anyone of those sites.	ITK2
1764	Captain S. S.:	AICC?	ITK2
1765	Major N:	We should be listening up on that.	RTA
1766	Captain S. S.:	What frequency's that/	ITK2
1767	Major N:	364.2.	ITK2
1768	Captain S. S.:	364.2?	ITK2
1769	Major N:	Yep or do you got the call 6313?	ITK2
1770	Captain S. S.	6 – what's the HF?	ITK2
1771	Major N:	No, 6313 the extension here.	ITK2

1772	Captain S. S.	Okay. They put me through to you though.	MISC
1773	Major N:	Okay. And tell them that you need a frequency and I said okay. It's cool because we need command control out there as well.	SOG
1774	Captain S. S.	Okay.	MISC
1775	Major N:	So you're sending up King?	ITK2
1776	Captain S. S.	Yeah, it's gonna be King – I'm not sure of the call sign.	ITK2
1777	Major N:	All I got to know is King, and I'll know who you guys are.	ITK2
1778	Captain S. S.	Okay. So they general frequency to get in touch with you guys is 364.2.	UR
1779	Major N:	Yeah, right now. Yeah.	ITK2
1780	Captain S. S.	And will the fighters be on that as well? That's a big concern. They don't want get –	ITK2
1781	Major N:	No, then we'll push you over to a different frequency. We'll use you for – utilize you for a command control.	ITKW, KT
1782	Captain S. S.	Okay. So you'll be talking to the fighters if they intercept us?	ITK2
1783	Major N:	Okay. If you could just give them a yell on that extension number too.	ITK2
1784	Captain S. S.	That's 6313?	ITK2
1785	Major N:	6313. I'll tell them about it.	ITK2
1786	Major N:	Tell them to talk to you direct.	RTA
1787	Captain S. S.	Okay. Thanks.	MISC
1788	Major N:	Okay. Then we can get comp plan going with your guys.	TSU
1789	Major N:	Okay. Cool.	MISC
1790	Captain S. S.	Bye.	MISC
1791	Major N:	Yep, Mayan Mikes. Okay.	MISC
1792	Speaker 1:	_____ an hour and a half.	NC
1793	Major N:	See if they can push them. See if they can push it. Is it a helicopter? Is it a helicopter over there?	RTA, ITK2, VRM
1794	Speaker 1:	The helicopter they don't get any kind of –	NC
1795	Sergeant B:	I got a big problem. _____ never called back. As of right now _____.	NC
1796	Female Speakers:	This is for Air Force 1? Wait. No.	VRM, TMM2
1797	Speaker 1:	Air Force 1 turned west.	VRM, TMM2

1798	<i>Female Speakers:</i>	They turned –	VRM, TMM2
1799	<i>Major N:</i>	That's 6 – here I got it on here.	VRM
1800	<i>Speaker 1:</i>	545, N.	MISC
1801	<i>Major N:</i>	545. Go ahead, sir. This is Major Nasipany MCC. Go.	MISC
1802	<i>Speaker:</i>	This Guy 4 in Washington Center sector. We're working November 4 inbound to national Airport. You were supposed to have an escort coming up scrambled up from Richmond. They have not shown up. I don't even show them in the air.	VRM, FI
1803	<i>Major N:</i>	Okay I got other aircraft coming over to R them right now.	
1804	<i>Speaker:</i>	The other aircraft – can I get a call sign?	ITK2
1805	<i>Major N:</i>	Standby.	MISC
1806	<i>Speaker:</i>	Give me a code too?	ITK2
1807	<i>Major N:</i>	Can you get the code? Yeah, we never got the word that they were coming up from Richmond for escort, so we have an enough assets in the air that we can do this.	ITK2, UR
1808	<i>Speaker:</i>	Okay. That's good.	MISC
1809	<i>Major N:</i>	Sir, do you got him turned backwards.	ITK2
1810	<i>Speaker:</i>	We got him turned Westbound until we get an escort over there. Call sign is November 4. He's right now over Kessle code 6522.	R, KT
1811	<i>Major N:</i>	I don't know what they've done with them.	TSU
1812	<i>Speaker:</i>	Leaving 239 and be sending them to 19. Do you see him out there?	TSU, VRM
1813	<i>Major N:</i>	Okay. Okay. Just give him a frequency to talk to him. There's _____ aircraft that's search and rescue and then control. Send them out south of Long Island.	RTA, TSU, COA, VRM
1814	<i>Speaker:</i>	To Washington?	ITK2
1815	<i>Major N:</i>	They don't have launch authority at this time. What we need to do – they just want to get a frequency to work with us.	TSU
1816	<i>Speaker:</i>	Okay, guys. I got multiple people on the line here. I just want to talk to the people in charge of the fighter city escort. Who's that?	TSU, ITK2
1817	<i>Major N:</i>	Okay. Call sign for the escort is Quit 26.	ITK2

1818	Speaker:	I have radar contact with Quit 26 altitude presently?	ITK2
1819	Major N:	Unknown.	ITK2
1820	Speaker:	Unknown on the altitude. Roger that. I show them about 10 miles northwest of _____. Can I have them come up on our frequency?	TSU, RTA
1821	Major N:	Give me the frequency?	ITK2
1822	Speaker:	Uniform frequency Speaker 195.6 please.	ITK2
1823	Major N:	Speaker 195.6 Roger. Foxy –	ITK2
1824	Speaker 1:	And Atlantic City's got two more aircrafts uploaded with offensive capabilities got two pilots standing by and want to know what you want to do with them?	SUK, TNSA
1825	Major N:	Have them suit up. Is that _____?	RTA
1826	Speaker 1:	I don't know it is.	MISC
1827	Speaker:	No, it's J. H. . He's one of the pilots.	MISC
1828	Major N:	Hey, how you doing. This is Nasty. Why don't we just suit you guys up? We're gonna see where we're gonna put you.	TNSA
1829	Speaker 19:	Okay. Tell them the airplanes are not _____ heading that they're gonna start, and before they shut down does he want to have them shut down or launch.	TNSA
1830	Speaker 1:	We're contacting the commander now.	MISC
1831	Speaker 19:	Okay.	MISC
1832	Major N:	As soon as I get word from the commander I'll let you know.	MISC
1833	Speaker 19:	Okay. Thank you.	MISC
1834	Major N:	Just stay on the line please, sir. If you would please. And what do you have uploaded anyway? Sir?	ITK2
1835	Speaker 19:	yes.	MISC
1836	Major N:	This is a MCC. What do you got uploaded on those guys?	ITK2
1837	Speaker 19:	I believe it's only HEI right now. That's it.	ITK2
1838	Major N:	Okay. And what's your call signs?	ITK2
1839	Speaker 19:	I don't have call signs right now.	ITK2
1840	Major N:	You don't have call signs.	ITK2
1841	Speaker 19:	I can put up call signs, a local one if you like or if you would like to give me one. It 's up to you.	TNSA
1842	Major N:	Well, we had snakes originally.	TNSA

1843	Speaker 19:	We had Snake 11 and 12 and then we were given Elkin from somebody else.	TNSA
1844	Major N:	Sir.	MISC
1845	Major N:	The commander wants you to keep them on standby on the ground right now.	COA
1846	Speaker 19:	Run them, shut them down, and stay on alert with them.	RTA
1847	Major N:	Stay on alert with them and –	NC
1848	Speaker 19:	Do you have a call sign for me or will they give us that if we –	ITK2
1849	Major N:	I can give it to you. I can tell you what VPSL is for today.	ITK2
1850	Speaker 19:	Okay. I have that. That's Elkin.	ITK2
1851	Major N:	You have that.	MISC
1852	Speaker 19:	Yes, thank you.	MISC
1853	Major N:	Good.	MISC
1854	Speaker 13:	They are requesting our support to keep an eye on the cruise ship _____.	SUK
1855	Speaker 1:	How we gonna keep an eye on a cruise ship?	ITK2
1856	Major N:	What do you want to do?	ITK2
1857	Sergeant B:	Speaker 195.6 and that one's from Washington.	VRM
1858	Major N:	Right here. Are you still online.	VRM
1859	Speaker 13:	Right now I have _____ --	NC
1860	Major N:	Right here.	VRM
1861	Speaker 13:	Until you tell me otherwise.	MISC
1862	Major N:	Just keep – I'm thinking just keep there with all this fruit – froggy stuff going on.	VRM
1863	Speaker 13:	I'm not gonna make all the calls. I'm just relaying information.	MISC
1864	Major N:	You know what keep them in the area. Wait till the coasties are out there, and we'll see what's up. It's too froggy right now. That could b a target as well.	COA, KT
1865	Speaker 13:	I'm letting you make all the calls. I'm just relaying information.	MISC
1866	Major N:	I'll be the one going to jail. Hey, what the hell? I'll take you out _____, Bubba. Okay. You are on orders. I don't care. It's authorized. I authorized a bunch of people.	MISC
1867	Sergeant B:	Okay. What's up?	MISC

1868	<i>Major N:</i>	I got to find more about – quit 26, 27. We got –	TMM2
1869	<i>Speaker:</i>	Can you tell me what's going on with quit 26 please.	ITK2
1870	<i>Major N:</i>	Yeah, they're going to the southeast sector. They're going to Oak Grove. They're not gonna be up north.	ITK2, KT
1871	<i>Speaker:</i>	Quit 26 is he gonna intercept up there before?	ITK2
1872	<i>Major N:</i>	I don't understand what you just said.	MISC
1873	<i>Speaker:</i>	Okay. I need to speak to somebody. I need an escort here for priority aircraft coming into a national airport.	COA
1874	<i>Sergeant B:</i>	If you need me let me know. I'm kind of hanging around wondering what to do.	MISC
1875	<i>Major N:</i>	Go for it. Go. I just got called by Cleveland Center. They can't get a hold of the Site tech at 56. They don't know where he is. They don't know the status of the site. Real world.	SUK
1876	<i>Speaker 1:</i>	Real world?	ITK2
1877	<i>Major N:</i>	Of course, everything's real world, but I mean yeah, the site tech at Cleveland said he doesn't know where his guy is at Cleveland _____.	ITK2
1878	<i>Speaker 1:</i>	Well, Cleveland Center is evacuated so far or they're getting ready to evacuate.	SUK
1879	<i>Major N:</i>	Okay. Well, this is the site. This is the site in Dansville, New York.	TSU
1880	<i>Speaker 1:</i>	Calling to say I can't get a hold of Cleveland?	TSU
1881	<i>Major N:</i>	No, it was Cleveland calling to say he couldn't get a hold of Dansville. Well, he said that he's gonna send somebody out to the -- and they're gonna find out what's going on with it.	TSU
1882	<i>Speaker 1:</i>	Okay. Go with it. But their intention is to man the site 24 hours and they need to get a hold of somebody.	TSU
1883	<i>Major N:</i>	And tell them to watch his butt out there.	MISC
1884	<i>Female Speakers:</i>	Now, we got two tracks on him.	SUK, VRM
1885	<i>Major N:</i>	If we can't find out who it is from scanner. We'll just make them unknown. What? What? What's that?	VRM, SOG, ITK2

1886	<i>Speaker 1:</i>	Nimble FD6 is gonna split right over New York City. I think it's one of those fighters.	SUK, VRM
1887	<i>Major N:</i>	Head it up, Tommy. Tell them all, Tommy. Let Nora sort it out. I've already asked him twice. Yep. He's unknown.	RTA, VRM
1888	<i>Speaker:</i>	Why aren't they talking to the –	ITK2
1889	<i>Major N:</i>	Unknown at 1539.	ITK2
1890	<i>Female Speakers:</i>	Yep.	MISC
1891	<i>Major N:</i>	I mean they could have done that. Bravo 007.	ITK2
1892	<i>Female Speakers:</i>	Bravo 007 is heading 126 speed 051 no altitude.	ITK2
1893	<i>Major N:</i>	Forward tail it.	ITK2
1894	<i>Speaker:</i>	We're heading over Long Island, and I lost data on him.	TSU
1895	<i>Major N:</i>	Copy. Get rid of that correlation one.	RTA
1896	<i>Speaker 13:</i>	They turned the other way. I do know that.	TSU
1897	<i>Major N:</i>	Yeah. I need to report a payment to deaf com 3 once we're done too.	TSU
1898	<i>Speaker 1:</i>	All I know the _____ for World Trade Center.	TSU
1899	<i>Major N:</i>	You need to wait for the units then or – okay. I need to find out about Atlantic. Are they out there over NCA.	TSU, ITK2
1900	<i>Sergeant B:</i>	You got Pittsburgh?	ITK2
1901	<i>Major N:</i>	I'm sure they are. Hey, Joe. _____ deaf com 3. We need to German OTIS at Langley.	TSU, RTA
1902	<i>Speaker 1:</i>	Is that it?	ITK2
1903	<i>Major N:</i>	Yeah, right now.	MISC
1904	<i>Sergeant B:</i>	If they reach him just tell them to get us on guard or anything.	RTA
1905	<i>Speaker 1:</i>	They're not hitting at _____.	TSU
1906	<i>Major N:</i>	Okay. It could just be tread, then just drop it.	RTA
1907	<i>Speaker 1:</i>	Drop it.	ITK2
1908	<i>Major N:</i>	The fucking World Trade Center just collapsed.	SUK
1909	<i>Sergeant B:</i>	Yeah, I just saw it on the news. What happened at the Pentagon?	ITK2
1910	<i>Major N:</i>	A small plane crashed in to their heliport right next to _____.	ITK2



1911	<i>Sergeant B:</i>	Gees.	MISC
1912	<i>Major N:</i>	I don't know yet. No, I don't know.	ITK2
1913	<i>Speaker 1:</i>	We're showing up with flex intercept. We took all the information.	TSU
1914	<i>Major N:</i>	We need to chase an attainment time for deaf com 3.	RTA
1915	<i>Speaker 1:</i>	Manning at the radar site. I think all the sections have all reported in, but –	SUK
1916	<i>Tim:</i>	But them.	NC
1917	<i>Major N:</i>	Do we have a defcon for Langley and OTIS?	ITK2
1918	<i>Speaker 1:</i>	Just cut off all our fingers.	MISC
1919	<i>Major N:</i>	No shit.	MISC
1920	<i>Sergeant B:</i>	All right. Here's what's happening out west? 072 is gonna refuel with Saber. Thing 11 is already refueled and back out.	TSU
1921	<i>Major N:</i>	Okay. We got the guy in Washington.	VRM, TSU
1922	<i>Sergeant B:</i>	071 –	NC
1923	<i>Speaker 1:</i>	I'm just swiping for him. It's hard to read the code. 3412 or 5412.	TSU, VRM
1924	<i>Foxy:</i>	Are you talking about the Attorney General?	ITK2
1925	<i>Female Speakers6:</i>	How about those fighters in the Washington DC area.	ITK2
1926	<i>Foxy:</i>	Okay. I'm gonna put you on with my MCC. He's looking for the fighter in the DC area, sir.	TSU
1927	<i>Major N:</i>	Okay. Who is this.	MISC
1928	<i>Female Speakers6:</i>	Vic Badge _____ Washington Tower.	MISC
1929	<i>Major N:</i>	Okay. You're talking about the two guys out of Andrews?	ITK2
1930	<i>Female Speakers6:</i>	Well, on the things we have in the air right now in the Washington DC airspace, we working at the _____ approach.	ITK2
1931	<i>Female Speakers6:</i>	Do you want us to keep working them or do you want to take over control of the airspace?	TNSA
1932	<i>Major N:</i>	Let me put you over to the – have you talked to the Senior Director yet.	ITK2
1933	<i>Female Speakers6:</i>	No, this is my first call.	ITK2

1934	Major N:	Okay. You can push them over to – just a minute. I'll push you over to the frequency. Standby.	RTA, TSU
1935	Female Speakers6:	All right.	MISC
1936	Major N:	Whoa. Step over. Mike. Julian. Okay. Smurf has the DC area?	ITK2
1937	Major N:	Okay. I got the guy on radar at Washington right now.	VRM, TSU
1938	Female Speakers6:	Hello.	MISC
1939	Major N:	Yeah, I'm still here right. And you want a frequency of who to push these aircrafts to or do you want to –	ITK2
1940	Female Speakers6:	No, we want to know what to do. Do you want us to keep control? Do you want to have control? Andrews was talking about parole advisors coming in and out, and they want to know what to do with them	ITK2, TNSA
1941	Major N:	do you want to fly them	TNSA
1942	Female Speakers6:	I just want to make sure we have one person or do you want to have two in control or what you want to do with these guys.	TNSA
1943	Major N:	Okay. Right now I got two people split in that area right now.	TNSA
1944	Speaker 1:	So I need to know the call signs.	ITK2
1945	Major N:	Do you know the call signs of those areas.	ITK2
1946	Female Speakers6:	All right. Let me put it this way, we own 23,000 and below over the Washington DC airspace.	TNSA
1947	Speaker 1:	That's what he's talking about I don't know who it is.	MISC
1948	Major N:	I've already got. I've got plan in my hands. Bring them back.	TSU, COA
1949	Speaker 1:	Bring them back to where.	ITK2
1950	Major N:	What's the phone numbers to you guys? So these guys from Center can kind of talk to you better.	NC
1951	Female Speakers6:	We're getting the call signs now.	TSU
1952	Major N:	Hey, sir.	MISC
1953	Female Speakers6:	Yes, sir. Here we got fighters if you'd like them.	KI

1954	Major N:	What's – got the fighters –	KI
1955	Female Speakers6:	We got Wild 1.	KI
1956	Major N:	Wild 1.	KI
1957	Female Speakers6:	Caps 1.	KI
1958	Major N:	Caps 1.	KI
1959	Female Speakers6:	Caps 2.	KI
1960	Major N:	Caps 2.	KI
1961	Female Speakers6:	We have three Quit flights, 25, 26, and 27 and we have a tanker team 23 in the area.	KI
1962	Major N:	Okay. We're all talking to those aircrafts right now.	KI
1963	Female Speakers6:	Okay. I guess we're getting conflict instructions.	UR
1964	Female Speakers6:	We're having a civilian aircraft come in and out. We're telling them about helicopters around the Pentagon et cetera. Do you want us to keep doing that?	SUK, ITK2
1965	Major N:	Keep doing that. Anything that looks suspicious or anything that doesn't look right, keep contacting our guys.	ITK2, RTA
1966	Female Speakers6:	Hi. Hold on one second. Don't go away please.	MISC
1967	Major N:	Okay. See what the problem is the huntress wants to see what we're doing right now. See if that's a problem with those guys.	RTA
1968	Female Speakers6:	Cap – Wild just coordinated that you guys are gonna own 10 and above and we're gonna own 10 and – or below 10 and keep the fighters on our frequency.	SOG
1969	Female Speakers6:	Do you copy that?	ITK2
1970	Major N:	Okay. That's a good copy.	ITK2
1971	Female Speakers6:	All right. Now, when we have to coordinate somebody that wants to go higher than 10, how can we reach you on this line or should we relay through the fighters?	ITK2
1972	Major N:	Relay through the fighters.	ITK2
1973	Female Speakers6:	All right. Let me give you my phone number	MISC
1974	Major N:	Say again?	MISC

1975	Female Speakers6:	Let me give you my number?	MISC
1976	Female Speakers6:	703-413-1541 hit 1 as soon as the recording thing starts.	MISC
1977	Major N:	10-4.	MISC
1978	Female Speakers6:	If you have any questions call me back at this number.	MISC
1979	Major N:	Okay. Give me that – 703?	MISC
1980	Female Speakers6:	413-1541 and hit 1 as soon as the recording starts. And we're gonna have below 10,000, and you're gonna own above 10,000.	UR
1981	Female Speakers6:	Is that the plan?	ITK2
1982	Major N:	Okay. You got 10 and below.	UR
1983	Female Speakers6:	10 and below we have and you have about 10, say 11 and above.	UR
1984	Major N:	Okay. And this is Washington Approach.	ITK2
1985	Female Speakers6:	Washington Approach. And we're gonna keep – you want us to keep the fighters on our frequency?	ITK2, ITK2
1986	Major N:	Yep.	ITK2
1987	Female Speakers6:	All right. We'll do that.	MISC
1988	Major N:	You got better eyes there for us.	MISC
1989	Female Speakers6:	All right, sir.	MISC
1990	Major N:	Okay. Excuse me. Yeah.	MISC
1991	Female Speakers:	You need to take a break. If you don't take a break you're gonna burn out, and you're gonna be here for a while.	TSU
1992	Major N:	Think I'm gonna be here for a while? Think we're gonna be here for a while?	TSU
1993	Speaker 1:	Yes, sir. Can I help you?	MISC
1994	Speaker:	Hello, I'm looking for Colonel M.	MISC
1995	Speaker 1:	Let me transfer you to ____ 3. Hold on.	MISC
1996	Speaker 13:	Seriously you need to take a break. Just get out of here and blow up.	MISC
1997	Major N:	I'm just gonna sit back. I'm gonna make sure everything's –	MISC
1998	Female Speakers:	Why don't you both take a break. We'll get somebody else in here.	MISC
1999	Major N:	MCC Go.	MISC

2000	Colonel P:	This is Colonel P, Headquarters.	MISC
2001	Major N:	Yeah, let me put you on speaker here, okay? Can you hear us.	MISC
2002	Colonel P:	Yes, sir.	MISC
2003	Major N:	All right. Go ahead.	MISC
2004	Colonel P:	We're kind of worried about flying an airplane out and getting approval from the FAA to do that. Can you guys fly an airplane from Syracuse haul some cargo down. We got to go to Schenectady to Syracuse to Stewart.	KT, RTA
2005	Major N:	Okay. Syracuse connected down to Stewart.	ITK2
2006	Colonel P:	No, no, Schenectady, Syracuse to Stewart and then probably back to Schenectady.	ITK2
2007	Major N:	Okay. That should be no – have you contacted – do you need escort or do you need –	ITK2
2008	Colonel P:	We just know if we're gonna be able to fly.	ITK2
2009	Speaker 1:	Who is this?	ITK2, VRM
2010	Major N:	This is military aircraft; correct?	ITK2, VRM
2011	Colonel P:	C130.	ITK2
2012	Major N:	C130.	ITK2
2013	Colonel P::	To support this to that.	TSU
2014	Major N:	I don't see any problem with you flying, sir.	TSU
2015	Colonel P:	Okay. So just follow the normal flight plan.	TNSA
2016	Major N:	Just follow normal flight plan. Just say it's for this and you can have – let's see.	TNSA
2017	Colonel P:	Do you have any specific calls signs --- you're using according to this exercise that will give airplanes some priority of something or whatever?	TNSA
2018	Major N:	No, we're not. Let's see – you're – it's a C130 out of Schenectady; correct?	ITK2
2019	Colonel P:	Follow the flight planes.	TNSA
2020	Major N:	Okay. Standby We'll get you a call sign. Hey, what's a call sign for Schenectady?	ITK2
2021	Speaker 1:	VCSL.	ITK2
2022	Colonel P:	We'll launch to Schenectady; right?	TNSA

2023	Major N:	Sir, we're trying to get you a good call sign, so we'll know who it is. I would say follow normal flight plan in coordination with FAA, but sir, be advised we got Boston is gone. We have evacuated. We got Cleveland is evacuating at this time as well.	TSU, KT
2024	Colonel P:	The centers you mean.	ITK2
2025	Major N:	Yeah, the FAA centers.	ITK2
2026	Colonel P:	That's fine. We know we're not gonna get much from the FAA. We just want to be sure that when we – that an airplane that launches here has some priority. They can VFR if they have to.	TSU
2027	Major N:	Yeah. That's no problem. You now what just make sure it's – you have mode 4 capability on the jets and mode 2?	RTA
2028	Colonel P:	Yeah, go ahead and tell us the codes.	ITK2
2029	Major N:	Well, your mode 2 make sure that's for standard, your squadron standard.	RTA
2030	Colonel P:	Okay.	MISC
2031	Major N:	And also make sure your mode 4 is all loaded up as well.	RTA
2032	Colonel P:	Okay. With the everyday codes?	ITK2
2033	Major N:	With everyday codes. Yes, sir.	ITK2
2034	Colonel P:	All right and you're gonna give us a call sign or –	ITK2
2035	Major N:	Standby. Any call signs?	ITK2
2036	Speaker 1:	We're looking it up.	ITK2
2037	Major N:	We're looking it up right now, sir. You know what, sir, we can't get it right now. You know what I'm gonna give you? I'm gonna give you call sign – gees what's a good call sign for you guys?	TSU, ITK2
2038	Colonel P:	Skier is they're normal is their normal call sign.	ITK2
2039	Major N:	What's the normal call sign?	ITK2
2040	Colonel P:	Skier.	ITK2
2041	Major N:	Peter?	ITK2
2042	Colonel P:	Skier, S-k-i-e-r.	ITK2
2043	Major N:	Skiter that sounds good to me. Skiter, skiter 01 Okay?	ITK2
2044	Colonel P:	Skier, you know the ski birds.	ITK2

2045	Major N:	Okay. I got a lot of people talking at me right now, sir. So sorry.	MISC
2046	Colonel P:	Skier 01.	ITK2
2047	Major N:	Okay. Skier 01, we got it.	ITK2
2048	Colonel P:	Thank you. Hold on. Let Colonel M that we're doing this please.	RTA
2049	Major N:	Okay. C130 out of Schenectady –	IMM
2050	Colonel P:	It's Schenectady, Syracuse, Stewart, okay? Hello.	UR
2051	Major N:	Yeah, I'm still here. I'm writing this down, sir.	MISC
2052	Colonel P:	Let Mar know that and we're having a tough time getting a hold of you guys. Can you call us back here in about a half hour?	RTA
2053	Major N:	I'll try. We're having problems with our phone lines as well.	MISC
2054	Colonel P:	We're at 48 DSN 489-4320.	MISC
2055	Major N:	489- what was that again?	MISC
2056	Colonel P:	4320	MISC
2057	Major N:	4320	MISC
2058	Colonel P:	Thank you.	MISC
2059	Major N:	And this is Colonel P; right?	MISC
2060	Colonel P:	P.	MISC
2061	Major N:	Okay. Now, we're working for the State. Okay. Who am I talking to? Iceland. Iceland, I just got a call from Colonel P. She's involved in this now. Oh my God. Okay. They want to fly a C130 from Schenectady to Syracuse to Stewart. The call signs gonna be Skier like the downhill skier 01. His DSN is 489er 4320. 4320. Yeah, this is in support of what's been going on. Schenectady to Syracuse to Stewart. I think they're gathering up the staff. It's a C130. If he wants to prove I said go for it sir. I gave him a heads up though. No Boston, no Cleveland out there. He said we can fly VFI, and I said press. That's all I can do. I might be able to have a flight follow you, but go with it. Well, I told him to contact us, and I said make sure your modes and codes are all up time, daily, so I know who you are. So okay. Bye._____.	TMM2, TSU
2062	Sergeant B:	You want to do me a favor.	MISC

2063	Major N:	That's just north of Washington.	VRM, TSU
2064	Sergeant B:	Just north of the NCA?	ITK2
2065	Major N:	Yeah, I think so. It's actually in Virginia. Why? Go.	ITK2
2066	Speaker:	_____.	NC
2067	Major N:	Where?	ITK2
2068	Speaker 1:	Right there. Bravo 011 you guys there.	VRM
2069	Major N:	Okay. I need fighters.	IMM
2070	Speaker 1:	140 and 107 are gonna take their breaks.	SUK
2071	Major N:	For who weapons?	ITK2
2072	Sergeant B:	To contact us you mean?	ITK2
2073	Speaker 1:	No, for weapons contact them.	ITK2
2074	Major N:	I don't know. 1417 vector. You want to check that.	RTA
2075	Speaker:	Copy.	MISC
2076	Female Speakers:	What? I know.	MISC
2077	Female Speakers:	He might have somebody – he wonder if somebody borrowed it.	NC
2078	Major N:	Probably.	MISC
2079	Female Speakers:	Gonna hold tight right now. We have an aircraft coming down through Boston and –	KT
2080	Major N:	Okay. Got it.	VRM
2081	Female Speakers:	We got calls into them. We're flying civilian.	KT
2082	Major N:	Foxxxy. Foxxxy, FAA is reporting something directly over Martha's Vineyard, an unidentified _____. Got an unknown over Martha's Vineyard. FA is reporting that, but – and interceptors are on it. I don't see anything, do you? Oh, they said it was over Martha's Vineyard.	SUK, ITK2, VRM
2083	Major N:	The DV has landed the Attorney General has landed. Okay. That Bravo 545; right?	SUK, ITK2
2084	Tim:	Yep.	ITK2
2085	Major N:	Whereabouts? DC?	ITK2
2086	Tim:	DC.	ITK2
2087	Major N:	They turned off all the God damn lines to the outside.	SUK
2088	Speaker:	Who did?	ITK2
2089	Major N:	No local, so you can't make an outside phone call.	ITK2



2090	<i>Female Speakers:</i>	Nope, I'm thinking.	MISC
2091	<i>Major N:</i>	Who's that?	MISC
2092	<i>Speaker 1:</i>	OTIS says they're – don't push them.	MISC
2093	<i>Major N:</i>	Good. MCC, Go.	MISC
2094	Lt. Colonel C:	This is Lieutenant Colonel C the Footrope DL.	MISC
2095	Lt. Colonel C:	Just wanted to touch base with you to find out – I know you're working with Sergeant D. Mar or you're people are working with Sergeant D Mar. I just want to find out if you know what you're gonna need from us and for how long?	ITK2, TNSA
2096	<i>Major N:</i>	Unknown right now, sir. You might want to call up the battle cab.	ITK2, TNSA
2097	Lt. Colonel C:	Okay. Give the number.	MISC
2098	<i>Major N:</i>	And talk to Colonel M. It's 6403.	MISC
2099	Lt. Colonel C:	6403?	MISC
2100	<i>Major N:</i>	Extension 6403.	MISC
2101	Lt. Colonel C:	And Colonel who?	MISC
2102	<i>Major N:</i>	Colonel M, he's the commander.	MISC
2103	Lt. Colonel C:	Okay. I'll do that.	MISC
2104	<i>Major N:</i>	Okay. Out.	MISC
2105	Lt. Colonel C:	Out.	MISC
2106	<i>Sergeant B:</i>	We've got Skier 01 as a call sign.	TSU
2107	<i>Speaker 1:</i>	He's on the line now.	MISC
2108	<i>Sergeant B:</i>	A call sign will be Skier, but probably a different number. Okay. Just so you know because they're used to using the first and last number of the tail number and all that stuff.	KT
2109	Colonel P:	Okay. I will do that.	TSU
2110	<i>Sergeant B:</i>	Okay. So when you hear Skier that's them. And it maybe be up to three airplanes.	KT
2111	<i>Speaker 1:</i>	Up to three aircrafts.	ITK2
2112	<i>Sergeant B:</i>	Yeah, maybe I think they can only get two of those HUMVs on an airplane, but we'll no better later.	ITK2
2113	<i>Major N:</i>	Are you ultimately sending them down to New York City?	ITK2
2114	Colonel P:	No, we're gonna send them to Stewart where they're gonna stage.	ITK2, SUK
2115	<i>Major N:</i>	Stage out.	ITK2

2116	Colonel P:	And then they'll probably go on their own down to New York City.	TSU
2117	Colonel P:	Ultimately the HUMVs are ultimately for use in New York City.	TSU
2118	Major N:	It's a possibility of the Skier flight of being a three ship?	ITK2
2119	Colonel P:	Yes, it's very good possibility.	ITK2
2120	Major N:	Do you have any codes or are you gonna say squawking 1200?	ITK2
2121	Colonel P:	We're gonna squawk 1200 on that and fly our normal flight plan. If you want the number for the command post in the 109.	ITK2
2122	Major N:	Could –	MISC
2123	Colonel P:	I can give it to you.	MISC
2124	Major N:	You know what, sir. Could you have them call me here with the codes. Actually call over to my ID section. Standby I'll get you a number.	RTA
2125	Colonel P:	You guys are hard to get to by the way.	TSU
2126	Major N:	6369	MISC
2127	Speaker 1:	It's one of those days, sir.	MISC
2128	Colonel P:	I know.	MISC
2129	Major N:	6368 or 69.	MISC
2130	Colonel P:	Yeah, start from the beginning now. This VSN.	MISC
2131	Major N:	VSN, yes, sir. 587-6368 or 69.	MISC
2132	Colonel P:	What are they gonna give you again.	ITK2
2133	Major N:	Well, they – just give them the codes that your command post.	RTA
2134	Colonel P:	Command post codes. I'm not a flier so I'm not –	TSU
2135	Major N:	Well, hopefully the tower there will have codes to give my ID section.	TSU
2136	Colonel P:	Okay. Just in Mode 4 codes.	TSU
2137	Major N:	That way we can track you guys. No.	TSU
2138	Colonel P:	Mode 2 codes?	ITK2
2139	Major N:	Mode 3 codes.	ITK2
2140	Colonel P:	Mode 3 codes. Okay. Will do.	ITK2
2141	Major N:	Your pilots – make sure that your pilots load up your mode 2 and mode 4 –	RTA
2142	Colonel P:	We told them to load mode 2 and mode 4s.squadron standard 2 and wartime codes in 4.	TSU

2143	Colonel P:	Okay. And they'll call you with the Mode 3 numbers.	TSU
2144	Colonel P:	Bye.	MISC
2145	Major N:	Oh, I'm sorry. Just got off the phone with P.	MISC
2146	Female Speakers:	Uh-huh.	MISC
2147	Major N:	They're gonna have a three ship coming out of Schenectady going to Syracuse going to Stewart, and then probably gonna stage this as a team. Emergency action team. Thanks. I got them squawking mode 2, mode 4, and we're gonna get the mode 3 codes on the ships, possibly 3 ships. They're taking the HUMVs.	TMM2, KT
2148	Female Speakers:	Are you sending anybody home yet.	ITK2
2149	Major N:	They're rotating out. They're refueling and rotating them. Why don't you start thinking about cap plan. I'm gonna get with the two SDs, start thinking about cap management. Make sure ID knows all the information.	ITK2, MS
2150	Speaker 13:	Too far from take off because of the mode 3s.	TSU
2151	Major N:	Okay. How you doing, sir?	MISC
2152	Speaker #00:	Great day today, huh?	MISC
2153	Major N:	No kidding.	MISC
2154	Speaker #00:	Got, Foxy, working on a Cap plan?	ITK2
2155	Major N:	Yeah, then I'm looking at it. They started the recall roster. They couldn't get a hold of you. They couldn't get a hold of you. They tried. I'm telling you. Okay. Yeah, we got another 1200 squawker west of New York headed towards it.	ITK2, TSU, KT
2156	Sergeant B:	It was fine.	MISC
2157	Major N:	Track number?	ITK2
2158	Sergeant B:	Because we relieved each other and that was fine.	MISC
2159	Major N:	0060 That's affirmative. 060 there's another track west of it headed in the opposite direction. Yeah. Track Bravo 060.	TSU, VRM
2160	Sergeant B:	_____ told me he tried. So	MISC

2161	Speaker:	On a code of 2355 310 Century 40 E3.	TSU
2162	Speaker:	And he's just out there flying too. Just let the snakes know where he's at.	RTA
2163	Major N:	Copy we got him. Hey, Eldy.	VRM
2164	Major N:	Eldy.	MISC
2165	Speaker 10 #00:	_____ Canada.	NC
2166	Major N:	_____.	NC
2167	Sergeant B:	Did he give you mode 3. 2355 and 240. How you doing?	ITK2
2168	Major N:	Hey, it's Mike. Can you pass along to commander and DO and FO that I'm working – we're working the cap management plan right for everybody. We're starting to cycle folks out. We're starting to think of who to replace, who to move along. Okay. Okay.	RTA, R
2169	Speaker 1:	Two _____ wanting to leave out of Pittsburgh. They want somebody to come get them at Pittsburgh.	SUK
2170	Sergeant B:	Have they closed the airbase down? I don't know. All right. You're relieving Paul?	ITK2
2171	Sergeant B:	Or are you just plugging and checking things out? You want to sit here, just kind of answer the phones and shit.	ITK2
2172	Major N:	Chicago.	TMM2
2173	Speaker 1:	Chicago.	TMM2
2174	Major N:	Detroit. Fuck. We got the Skier, possibly three, they're picking up the HUMVs picking up that. Okay. What are you looking for? What's that? Right there. ID him. If it looks freaky, ID it? I'm giving you the authority to do that. Nope. Okay.	TSU, ITK2, VRM, RTA
2175	Speaker:	There's nothing down there. The big thing is monitoring _____.	TSU
2176	Major N:	Then –	NC
2177	Speaker 1:	Except for the top right here. Captain N dealing without a tanker. Anybody comes over those other ones. Find out who it is first, find out who has it and then push them to that frequency.	VRM, RTA, KT
2178	Speaker 1:	Other than phones are just ringing constantly we're dealing with all the questions. Okay.	TSU

2179	Major N:	Fighters are going down _____. Hey, Warren, want to throw that into chat for these guys?	TSU, RTA
2180	Speaker 1:	You got all units up flying?	ITK2
2181	Sergeant B:	Yes, we got Toledo as far as F15s, we have --- Toledo, Atlantic City, Syracuse has been scrambled. Langley's been scrambled. F15s we have Langley scrambled. OTIS scrambled. We have Washington –	ITK2, TSU
2182	Major N:	Can you pull up a tail and see who this guy is?	RTA, VRM
2183	Sergeant B:	-- airborne. Tankers are everywhere. We stop doing the tankers from here. Somebody else took over the tanker _____.	TSU
2184	Major N:	Let's see what we get out of here and if not, then go.	RTA, TSU
2185	Sergeant B:	Mostly we have OTIS here around this area. We have Atlantic City, Baltimore, Washington. We have Langley, Baltimore, Washington. Toledo is out that direction. Set up a barrier here.	TSU, VRM, COA, VRM
2186	Major N:	They can do whatever they want; right?	ITK2
2187	Speaker 1:	They said that there was still a couple of aircrafts still supposedly not accounted for.	KT
2188	Sergeant P	This is weapons, Sergeant P on an unsecured line. How can I help you?	MISC
2189	Speaker 15:	This is the Senior Air Director at Military port.	MISC
2190	Speaker 15:	I'm on _____.	NC
2191	Sergeant P:	I'm not familiar with the _____.	NC
2192	Speaker 15:	It's cherry _____.	NC
2193	Sergeant P:	All right.	MISC
2194	Speaker 15:	It's basically just trying to make sure that out area is _____ and I'm trying to get ID, but I can't getting any crack on them. So I'm not able to detail them, and I'm just trying to make sure everything is _____.	TSU
2195	Sergeant P:	All right.	TSU
2196	Speaker 15:	_____.	NC
2197	Major N:	A little bit.	NC
2198	Speaker 15:	My question for you is are you familiar with the northeast and southeast of Ice?	ITK2
2199	Sergeant P:	Negative.	ITK2

2200	Speaker 15:	You know Whiskey 72 airspace?	ITK2
2201	Sergeant P:	Yes.	ITK2
2202	Speaker 15:	South of it by 20 miles it turns into the southeast.	TSU
2203	Sergeant P:	Okay.	TSU
2204	Speaker 15:	I think you might be in the in the southeast area.	TSU
2205	Sergeant P:	We are.	TSU
2206	Speaker 15:	Yep, it would be the southeast area of the sector. Is where you would deal with the aircraft. Anything like Whiskey 72 and above would be us.	TSU
2207	Sergeant P:	_____.	NC
2208	Speaker 15:	Senior director. Standby. BGSN 523	MISC
2209	Sergeant P:	Okay.	MISC
2210	Speaker 15:	-5210	NC
2211	Sergeant P:	All right. Thank you very much.	MISC
2212	Speaker 15:	Thank you, sir. So our really concern is above the Washington, New York area. This areas capped and all the cities. Like we have none of them guys going up against OTIS coming in there. Nobody supposed to be airborne right now. The slammers and all that shit are coming up airborne. Call OTIS find out if they got anybody left that sending up and what kind of ETA to get them airborne if they are. There's nobody left. Okay.	KT, RTA, ITK2
2213	Sergeant B:	Command post the soon as they can get anybody airborne is a tanker and Langley they're calling us saying we're airborne – just try to pass the time as best as you can. We were escorting the Attorney General into Washington a little while ago and apparently there's a two star that wants to be picked up in Pittsburgh.	TSU, TMM2
2214	Speaker 15:	Huntress weapons Sergeant P. Major _____ is currently – hey, I just want to let you know that valid data on a pending that's coming in over water southeast 801.	KT
2215	Female Speakers:	Yep.	MISC
2216	Speaker 15:	Valid data.	NC

2217	<i>Female Speakers:</i>	Bravo 0 – okay. Thanks.	NC
2218	<i>Speaker 15:</i>	76	NC
2219	<i>Female Speakers:</i>	Thanks. Okay. That's valid data on 076. We've got a mode 3 code. Okay. Yep. Good data on it.	TSU
2220	<i>Foxxxy:</i>	There's one more airborne out of L14 towards the Chicago area.	SUK
2221	<i>Female Speakers:</i>	He's got a mode 2 and a mode 3. 2776 mode 2. Where's my battle command – my _____ and my C3.	TSU, ITK2
2222	<i>Major N:</i>	Okay. Got it done.	ITK2
2223	<i>Tim:</i>	You know the shadows up here in the north?	ITK2
2224	<i>Speaker 15:</i>	All right.	ITK2
2225	<i>Tim:</i>	At first it was just a shadow.	VRM
2226	<i>Female Speakers:</i>	Which are we heading there?	ITK2
2227	<i>Tim:</i>	Been on with the –	NC
2228	<i>Female Speakers:</i>	This is a good one down here. I'm trying to get a hold of the commander. I was saying FI no. Standby. Did we get anything on that tail number? So what does that mean. It means that our plan is –	VRM, ITK2,
2229	<i>Speaker 15:</i>	_____.	NC
2230	<i>Speaker 15:</i>	Okay. We got another two ships taking off. Gus only.	SUK
2231	<i>Female Speakers:</i>	Uh-huh. There's weapons now?	ITK2
2232	<i>Speaker 15:</i>	Now right now, but when they hit jokers. The next –	ITK2
2233	<i>Female Speakers:</i>	Another _____ -- wait.	NC
2234	<i>Speaker 15:</i>	Fable 11 is out there right now. Fable 21 _____.	SUK
2235	<i>Female Speakers:</i>	Okay. 21 will replace them?	ITK2
2236	<i>Speaker 15:</i>	Yes.	ITK2
2237	<i>Female Speakers:</i>	Okay. How we doing in the – okay. We got him as a friendly. Do we have any information as to where that Canada, Air Canada 57 and the Continental –	VRM, ITK2

2238	<i>Speaker 15:</i>	Out New York guys are prevailing helicopters in New York, blue and white marking possible medevac, but they can't confirm.	VRM, KT
2239	<i>Female Speakers:</i>	Which one where is it?	ITK2
2240	<i>Speaker 15:</i>	In New York.	ITK2
2241	<i>Female Speakers:</i>	That's probably the guy that took off out of Bradley.	MS
2242	<i>Speaker 15:</i>	Not the black hawk.	TSU
2243	<i>Female Speakers:</i>	Is it squawking 1200? Is he squawking 1200?	ITK2
2244	<i>Speaker:</i>	Yeah, these guys definitely.	ITK2
2245	<i>Female Speakers:</i>	Cause we're expecting aircrafts squawking 1200 that will come off out of Bradley. Yeah, he's giving me – yeah. We don't now why he went in at all. Should I get them back? What's going on with the E3? I need – yeah, talk to Phil. He's been dealing with all the E3 stuff. Hello. Yes. I need to talk to the commander if he's there. Yes. Okay. I have QT 25 in trial of a low wing aircraft. He's squawking in mode 3 1200. We got a tail number on him. There's not flight information or anything, but he's pulling us farther and farther away of NCA the longer stay with him. Okay. Thanks.	KT, TSU, ITK2, VRM
2246	<i>Speaker 15:</i>	Know it off.	ITK2
2247	<i>Female Speakers:</i>	Terminate, yeah. Wait. Who is it? We need to search.. That should be – we should be able to get Foxy on that.	RTA, ITK2, VRM
2248	<i>Speaker 15:</i>	Who's that going through? Who's controlling it?	ITK2
2249	<i>Female Speakers:</i>	FC MCC.	ITK2
2250	<i>Speaker 15:</i>	IF we do –	NC
2251	<i>Speaker 15:</i>	So how come we're asking if we can evacuate the ____ area. That's a problem. Maybe he was looking for actually _____. Is that what he's looking for?	ITK2, IMM
2252	<i>Speaker 15:</i>	Okay.	MISC
2253	<i>Female Speakers:</i>	Which one? Which _____? Oh, right.	ITK2
2254	<i>Sergeant B:</i>	I got it. I got it. Tell them.	VRM, ITK2



2255	<i>Female Speakers:</i>	Copy that.	MISC
2256	<i>Sergeant B:</i>	Control Sergeant B.	MISC
2257	Major D:	Hey, Sergeant B, this is Major D, how are you today?	MISC
2258	<i>Sergeant B:</i>	Good, sir.	MISC
2259	Major D:	Are you from the northeast defense sector?	ITK2
2260	Major D:	Okay. Here's a problem. I'm with the New Jersey Army National Guard.	TSU
2261	Major D:	And I have couple UH60s up. A UH1 and a UH60 up trying to police from Trenton area and _____ area up to Newark.	KT
2262	Major D:	And we don't have the transponders squawking to set clearance to the area, so one of them just got put on the ground be a F16. not shot down, but told to land and don't take off again by an F16. So what I need is a transponder squawk so that these guys can interrogate us and let us know that we can clear through the area.	KT, SUK, RTA
2263	<i>Sergeant B:</i>	All right. What are you in New York's airspace right now?	ITK2
2264	Major D:	No, we're in New Jersey's airspace.	ITK2
2265	<i>Sergeant B:</i>	New Jersey?	ITK2
2266	Major D:	Right. And they're State police on these aircrafts.	ITK2, TSU
2267	<i>Sergeant B:</i>	Okay. You got a lat./long. for your helicopter?	ITK2
2268	Major D:	Where it is right now?	ITK2
2269	Major D:	Fuck. Hey, we got a lat./long. for where the helicopter is? Hold on.	ITK2
2270	<i>Sergeant B:</i>	Put this lat./long. in when I give it to you. Call it a helo.	RTA
2271	Major D:	We have three operational up flying right now.	KT
2272	<i>Sergeant B:</i>	Right the other two are up and squawking though; right?	ITK2
2273	Major D:	We don't have a squawk that's the problem. We need to know the squawk we're supposed to be squawking in mode 4.	TSU, ITK2
2274	<i>Sergeant B:</i>	Okay. You guys are mode 4 capable?	ITK2
2275	Major D:	Yep.	ITK2

2276	Major D:	Those guys are two miles east of Princeton. We need a lat./long. sir.	VRM, RTA
2277	Major N:	They just got two ready, so if we need them we can call them. Okay. You guys have mode 2.	KT, ITK2
2278	Sergeant B:	Are you squawking them?	ITK2
2279	Major D:	We don't know what the squawk is?	TSU
2280	Sergeant B:	I know, but for the mode 2 you guys have unit assigned; right?	ITK2
2281	Major D:	Mode 2.	ITK2
2282	Sergeant B:	Your unit is assigned mode 2.	ITK2
2283	Major D:	Yeah, but the problem is it's army code and they do changes.	KT
2284	Sergeant B:	Okay. Make sure they stay on their mode 2, they'll know they're military aircraft, but we need to ID them by mode 3. So I'll get you a mode 3, but I need the lat./long. position if you can get it.	RTA, ITK2
2285	Major D:	Hold on a second.	MISC
2286	Sergeant B:	Okay. It's too bad. It's New Jersey Army National Guard.	TSU
2287	Major D:	Two things have you got in contact with the F16 that put our aircraft on the ground.	ITK2
2288	Sergeant B:	Hold on I'll find out. Right. I told them to squawk mode 2 whatever they could put in it, and they'll know they're military and then I'll get them a mode 3. That's what I told them for now. Do they have the F16 on contacts that put him down on the ground? Okay. We're trying to get the F16.	TSU, ITK2, TSU
2289	Major D:	Okay. Do you guys have a mode 4 cause I'm not –	ITK2
2290	Sergeant B:	No, mode 4 is electronic friendly. That's all that is.	ITK2, ITK2
2291	Major D:	Okay. How about a mode – you're talking about the four digit squawk.	ITK2, ITK2
2292	Sergeant B:	The four digit squawk is mode 3 or a mode 2. What you need is a mode 3 because a mode 2 isn't going to do it.	ITK2, TSU
2293	Major D:	That's right. I need a mode 3 squawk from you.	RTA
2294	Sergeant B:	And we have the FAA representative trying to get you mode 3 right now as we speak.	TSU
2295	Major D:	Good. I need four of them	TSU

2296	<i>Sergeant B:</i>	Okay. You will have four mode 3 codes for flight ship for helos.	TSU
2297	Major D:	Yeah.	MISC
2298	<i>Sergeant B:</i>	But if you in qualms with you helicopters, you got to make sure that they're mode 2s as well. That way they're not gonna shoot anybody down.	RTA, TNSA
2299	Major D:	All right. I can't seem – I'm gonna check on the mode 2s, but I can't guarantee them.	TNSA
2300	<i>Sergeant B:</i>	Well, whatever they can put in there. Doesn't even matter if they're right.	TNSA
2301	Major D:	Right. Just as long as they got something in mode 2.	TNSA
2302	<i>Sergeant B:</i>	Right.	TNSA
2303	Major D:	But again I can't guarantee it, but if you got a squawk for me, that'd be great.	TNSA
2304	<i>Sergeant B:</i>	All right. Standby. What? That century 40. 2355. if it's 2355 it's Century 40 E3. I think he's out a tanker.	VRM, UR
2305	Speaker:	Who is this?	MISC
2306	Speaker:	How can I help you sir?	MISC
2307	<i>Sergeant B:</i>	Did you guys ground an Army Helicopter?	ITK2
2308	Speaker:	No. _____	ITK2
2309	<i>Sergeant B:</i>	In Jersey somewhere? All right.	ITK2
2310	<i>Major N:</i>	Jamie's on his way up to talk to the FO and see if – okay. Okay.	MISC
2311	<i>Sergeant B:</i>	What about – they grounded a helo full of state troopers.	KT
2312	<i>Female Speakers:</i>	Anybody get more word on Air Canada 57 or Continental	ITK2
2313	<i>Speaker 13:</i>	Continental is route back to Paris.	SUK
2314	<i>Female Speakers:</i>	So Continental's going back to Paris?	ITK2
2315	<i>Sergeant B:</i>	You're in the Jersey area too.	ITK2
2316	<i>Female Speakers:</i>	How do you know they went and did that? They called and said they were under distress. They may have told us they were going back to Paris. Continental whatever.	ITK2, TSU
2317	<i>Sergeant B:</i>	Nobody working the Jersey area?	ITK2
2318	<i>Sergeant B:</i>	Did you guys ground a helicopter with an F16.	ITK2
2319	<i>Female Speakers:</i>	Oh yeah, cause they know we won't see them.	VRM, TSU

2320	<i>Sergeant B:</i>	Did you ground a helicopter? No. An Army helicopter? No, it was New Jersey.	ITK2
2321	<i>Major N:</i>	Jamie.	MISC
2322	<i>Foxy:</i>	He's up in the battle station.	MISC
2323	<i>Sergeant B:</i>	bullshit none of the have mode 3s.	TSU
2324	<i>Female Speakers:</i>	Mode 4 – who else is that on the phone? Nobody?	MISC
2325	<i>Speaker:</i>	Mode 2 is an identifier.	TSU
2326	<i>Female Speakers:</i>	I want to make sure the activity is really going down.	IMM
2327	<i>Major N:</i>	I need them on a line.	RTA
2328	<i>Sergeant B:</i>	Wait. Before you do that do you know who was controlling the F16 to put the helo on the ground in Jersey? In the Jersey area?	UR, ITK2
2329	<i>Speaker 15:</i>	Maybe Atlantic City is going _____.	NC
2330	<i>Sergeant B:</i>	Did you end up getting a lat./long. for that helo?	ITK2
2331	<i>Major D:</i>	What's that lat./long. guys? Hold on just a second.	ITK2
2332	<i>Major D:</i>	The aircraft is at Princeton. I need the lat./long. right now.	TSU, RTA
2333	<i>Speaker:</i>	Can't we give them _____ codes?	ITK2
2334	<i>Tim:</i>	Okay. We've got 100,000 pounds available on Main.	SUK
2335	<i>Female Speakers:</i>	You now I mean.	MISC
2336	<i>Foxy:</i>	Fighter 2 coming down.	SUK
2337	<i>Major D:</i>	You got that lat./long. for me?	ITK2

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