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MAXWELL AFB AL S J PREJEAN 18 APR 88 ACSC-88-2160

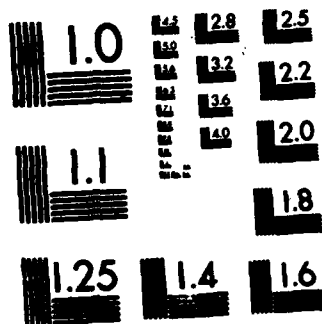
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REPORT NUMBER 88-2160
TITLE The Evolution of the United States Transportation
Command, 1978-1987: Can Unification Solve
the Problems?

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Submitted to the faculty in partial fulfillment of
requirements for graduation.

AIR COMMAND AND STAFF COLLEGE
AIR UNIVERSITY
MAXWELL AFB, AL 36112-5542

UNCLASSIFIED

SECURITY CLASSIFICATION OF THIS PAGE

AD A 195 197

REPORT DOCUMENTATION PAGE				Form Approved OMB No. 0704-0188	
1a. REPORT SECURITY CLASSIFICATION UNCLASSIFIED			1b. RESTRICTIVE MARKINGS N/A		
2a. SECURITY CLASSIFICATION AUTHORITY N/A			3. DISTRIBUTION / AVAILABILITY OF REPORT STATEMENT "A" Approved for public release; Distribution is unlimited.		
2b. DECLASSIFICATION / DOWNGRADING SCHEDULE N/A					
4. PERFORMING ORGANIZATION REPORT NUMBER(S) 88-2160			5. MONITORING ORGANIZATION REPORT NUMBER(S)		
6a. NAME OF PERFORMING ORGANIZATION ACSC/EDC		6b. OFFICE SYMBOL (If applicable)	7a. NAME OF MONITORING ORGANIZATION		
6c. ADDRESS (City, State, and ZIP Code) Maxwell AFB, AL 36112-5542			7b. ADDRESS (City, State, and ZIP Code)		
8a. NAME OF FUNDING / SPONSORING ORGANIZATION		8b. OFFICE SYMBOL (If applicable)	9. PROCUREMENT INSTRUMENT IDENTIFICATION NUMBER		
8c. ADDRESS (City, State, and ZIP Code)			10. SOURCE OF FUNDING NUMBERS		
			PROGRAM ELEMENT NO.	PROJECT NO.	TASK NO.
11. TITLE (Include Security Classification) (U) The Evolution of the United States Transportation Command, 1978-1987: Can Unification Solve the Problems?					
12. PERSONAL AUTHOR(S) Prejean, Sidney J., Major, USAF					
13a. TYPE OF REPORT		13b. TIME COVERED FROM _____ TO _____		14. DATE OF REPORT (Year, Month, Day) 1988 April 18	
				15. PAGE COUNT 29	
16. SUPPLEMENTARY NOTATION					
17. COSATI CODES			18. SUBJECT TERMS (Continue on reverse if necessary and identify by block number)		
FIELD	GROUP	SUB-GROUP			
19. ABSTRACT (Continue on reverse if necessary and identify by block number) This paper traces the development of the United States Transportation Command (USTRANSCOM) from Exercise Nifty Nugget 78, through the experience with the Joint Deployment Agency (JDA), to the creation of the new command, The paper examines the problems uncovered in the exercise and examines why the JDA was not able to fix them. After looking at the arguments for and against unification, we will finally attempt to project the answer to the question: "Can Unification Solve the Problems?" → 2 pgs. 11					
20. DISTRIBUTION / AVAILABILITY OF ABSTRACT ☐ UNCLASSIFIED/UNLIMITED ☒ SAME AS RPT. ☐ DTIC USERS			21. ABSTRACT SECURITY CLASSIFICATION UNCLASSIFIED		
22a. NAME OF RESPONSIBLE INDIVIDUAL			22b. TELEPHONE (Include Area Code)		22c. OFFICE SYMBOL

PREFACE

On 1 October 1987 at Scott Air Force Base, Illinois, Air Force General Duane H. Cassidy, Commander-in-Chief of the Military Airlift Command (CINCMAC), took on an important new responsibility; one which could change the face of American military transportation and the way in which the Department of Defense mobilizes and deploys its forces worldwide.

In a ceremony presided over by Admiral William J. Crowe, Jr., Chairman of the Joint Chiefs of Staff, General Cassidy became the first Commander-in-Chief of the new United States Transportation Command (USTRANSCOM). (4:53) For the first time in our history, all common-user strategic transportation elements of the Department of Defense--The Navy's Military Sealift Command (MSC), the Army's Military Traffic Management Command (MTMC), and the Air Force's Military Airlift Command (MAC) would come under the same operational command. (5:1199)

This paper will examine just how this historic reorganization of the Defense Transportation System (DTS) came about. Beginning with the Joint Chiefs of Staff-sponsored Exercise Nifty Nugget 78, to the experiment with the Joint Deployment Agency (JDA), through President Reagan's Blue Ribbon Commission on Defense Management, and finally to the creation of the new command, we will trace the development of USTRANSCOM.

We will begin by examining the background, assets, and missions of the three major commands involved. Next, we will look at exercise evaluations relating to exercise Nifty Nugget, which pointed to serious deficiencies in our nation's ability to mobilize effectively. Then we will look at the JDA, examining some of the reasons it was unable to solve those problems. We will then look at the transition from the JDA to USTRANSCOM, examining several arguments pro and con. Finally, we will attempt to extrapolate on those arguments and perhaps predict the new command's impact on the Department of Defense's ability to rapidly mobilize and deploy its assets in response to a global threat.



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In future years, American military forces may have to respond to crises as near as Central America or as distant as the globe permits. Hopefully, at the end of this paper, we will have a better idea whether the new USTRANSCOM will get us there.

ABOUT THE AUTHOR

Major Sidney J. Prejean has spent his entire commissioned career in the Military Airlift Command. Following graduation from Undergraduate Navigation Training and C-141 Upgrade Training in 1976, he was assigned to the 438th Military Airlift Wing, McGuire AFB, NJ. During his six years with the 438th MAW, he held positions as disparate as Assistant Chief of Wing Public Affairs, 18th Military Airlift Squadron Executive Officer, Wing Combat Tactics and Techniques Navigator, and 18 MAS Chief of Navigator Standardization. He was an Instructor Navigator in the Primary Nuclear Airlift Force, and later a Flight Examiner Navigator in Aerial Refueling and Visual Airdrop.

In 1982, Major Prejean was assigned to the 435th Tactical Airlift Wing, Rhein-Main AB, Germany, where he served as an Airlift Duty Officer and Emergency Actions Controller in the Rhein-Main Consolidated Command Post. In the aftermath of the 1983 bombing of the Marine Barracks in Beirut, Major Prejean directed the airlift of all injured and deceased Marines from the Middle East, through Germany, to the United States.

After two years in Germany, he was transferred to RAF Mildenhall, UK, where he served initially as an Airlift Duty Officer in the 313th Tactical Airlift Group Airlift Coordination Center. He was later selected to be the Chief, Combat Plans, for that organization. In that capacity, he was the sole MAC point of contact in the United Kingdom for WINTEX-CIMEX 87, a world-wide, civilian/military command and control exercise.

Major Prejean holds a Bachelor of Science in Political Science from the University of Scranton (Pa) and a Masters of Science in International Relations from Troy State University. He is a 1972 graduate of both MAC's Airlift Operations School and Squadron Officer School in residence. A 1985 graduate of Air Command and Staff College Seminar Program, he is a member of the ACSC Resident Class of 1988.

Major Prejean is a Senior Navigator with 3019 hours in the C-141. His military decorations include the Meritorious Service Medal (1OLC), the Air Medal, the Air Force Commendation Medal (1OLC) and the Department of Defense Humanitarian Service Medal.

He is married to the former Dr Janet E. Leigh of Woolley, West Yorkshire, United Kingdom.

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EXECUTIVE SUMMARY

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REPORT NUMBER 88-2160

AUTHOR(S) MAJOR SIDNEY J. PREJEAN, USAF

TITLE The Evolution of the United States Transportation Command, 1978-1987: Can Unification Solve the Problems?

On 1 October 1987 General Duane H. Cassidy, Commander-in-Chief, Military Airlift Command, became Commander-in-Chief of the new United States Transportation Command (USTRANSCOM), America's newest unified command. This paper will trace the nine-year evolution of the new unified command and seek to answer the question of whether unification of the Department of Defense's Transportation Operating Agencies (TOA) will make the DOD more able to mobilize and deploy American forces.

In 1978, the Department of Defense sponsored a nationwide mobility and deployment paperwork exercise called Nifty Nugget 78. The exercise uncovered major deficiencies

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both in the way the services planned for mobilization and deployment and in the way they executed said operations.

As a result of that exercise, the Joint Chiefs of Staff created the Joint Deployment Agency (JDA), a multi-service organization which was tasked with coordinating both the planning and execution of mobility and deployment for the DOD. The new agency would also implement the Joint Deployment System (JDS), an automated data processing (ADP) system which would bring both planning and execution into the real-time arena. It became clear rather early on that the JDA did not have the authority necessary to straighten out the problems uncovered in Nifty Nugget, primarily in the areas of ADP and command authority.

After several years of study, both by the Legislative and Executive branches, the President decided to unify all DOD transportation commands--The Air Forces's Military Airlift Command, the Navy's Military Sealift Command, and the Army's Military Traffic Management Command--into one functionally-oriented unified command, the United States Transportation Command.

This paper will conclude by reviewing the problems uncovered in Nifty Nugget 78 and examining the proposed solutions offered by USTRANSCOM. In doing so, we hope to begin to answer the question of whether unification can solve the problems.

Chapter One

THE BACKGROUND

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To understand the impact that this new organization might have on the future mobilization efforts of the Department of Defense, it might be illustrative to look at the pre-existing situation in general terms. In this chapter, we will look at the transportation operating agencies (TOA) of the three major commands, their missions and resources. We will see what each is able to contribute to the structure of national mobilization efforts. And we will see how each provides one leg to the Defense Transportation System (DTS). (9:4)

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The United States Army's Military Traffic Management Command (MTMC) is the "first leg of the strategic mobility triad." (10:28) Headquartered at Falls Church, Virginia, the command, "is responsible for identifying and managing the transportation routes to be used in the United States for shipment of supplies to the ports." (15:40) As such, it is the action agent for the Secretary of the Army relative to his responsibility for transportation management within the DOD. (10:28) In accomplishing this mission, MTMC "manages freight movement in the continental United States (CONUS) and. . . DOD worldwide Personal Property Movement and Storage Program." (19:32) The command, then, generally acts as an interface agent between and among land, sea, and air modes of transportation.

While MTMC actually operates some 42 seaports throughout the world (19:32), it does not, like its sea and air counterparts, own a large transportation fleet. "The only transportation mode it possesses is a fleet of specially designed rail cars to carry tanks and other equipment." (15:40) MTMC also "monitors the nation's transportation infrastructure," tracking "the status of seaports, inland waterways, pipelines, and airports," for the DOD Highways and Railroads for National Defense Programs. (10:28) The MTMC Commander, Maj Gen John H. Stansted, has 11,000 total personnel in his command; 800 military and 10,200 civilian, contract, and carrier personnel. (4:55)

The Army's MTMC, then, is literally what its name implies, a management and coordination organization, concerned primarily

in wartime with the coordinated effort of moving military materiel from its point of origin to various air- and sea-ports throughout the CONUS. (10:28)

The US Navy's Military Sealift Command (MSC) is far more than a transportation coordinating agency. From its headquarters in Washington, D.C., the MSC is charged to "provide sealift for strategic mobility in support of national security objectives." (10:25) This mission, to actually operate a lift command, is accomplished through three primary forces, "strategic sealift, Naval Fleet Auxiliary Force and the Special Mission Support Force." (19:32)

The hardware involved is impressive. In addition to the some 150 MSC-manned ships which the command operates in support of the Navy's own daily mission, the MSC has "earmarked 51 additional ships for joint deployment," including nine dry cargo ships, 22 general purpose oil tankers, eight fast sealift ships, and 12 prepositioning ships located throughout the world. (15:40) The MSC's fleet and special mission support ships are manned by approximately 3,700 civil service crewmembers, with the U.S.-flagged civilian fleet operated by some 2,015 non-governmental civilians. (6:25) In time of war, the MSC Commander, Vice Adm Walter T. Piotti, Jr., could additionally supplement his fleet with the short notice activation of 116 vessels currently in the Ready Reserve Fleet. (15:40) This manpower and personnel pool provides the MSC with "the capacity to deploy and sustain military forces whenever and wherever needed, as rapidly and for as long as operational requirements dictate." (19:32)

While the Navy may indeed provide sustainability in global deployment with its seaborne fleet, for truly rapid deployment of America's military might, the Department of Defense must call on the airlift forces of the Military Airlift Command (MAC). MAC is responsible for several absolutely critical wartime lift functions. In addition to its charge as the single management agency for all Department of Defense airlift, MAC, from its Scott AFB, IL headquarters, will run aeromedical evacuation for the wounded, aerospace search and rescue operations, special operations interface with other services, aerospace weather services, and audiovisual combat documentation. (19:32)

It is in the arena of strategic airlift and deployment, however, that MAC, with its 93,000 active duty and civilian employees, will provide yeoman duty. (4:55) Its strategic

airlift fleet is large and growing. In wartime, as in peacetime, the Commander-in-Chief, MAC (CINCMAC), would retain operational control over some 234 C-141B Starlifters and 77 C-5A Galaxies. (15:40) Both are four-engined jets capable of carrying a wide variety and mix of cargo and troops, and both are air-refuelable for extended deployment range. The additions to that fleet will come both from the current program to purchase 50 brand-new C-5B aircraft, and the projected development and deployment of the C-17, further adding to both the size and flexibility of MAC's strategic airlift fleet. In addition to these MAC owned-and-operated aircraft, the Secretary of Defense can, in time of war or national emergency, activate the Civil Reserve Air Fleet (CRAF). (9:10) This activation would provide the CINCMAC immediate use of nearly 250 additional large airframes, from DC-8s to B-747s, configured both for cargo and passenger use, which are owned and operated by American flag carriers. (15:40) While even with total CRAF activation, the volume capacity of the MAC fleet cannot approach that of the MSC, airlift has the real advantage of true immediacy, a key element in modern force projection. (9:4)

These, then, are the three major commands which comprise the Defense Transportation System. Combining land, sea, and air assets, as well as management of port interface areas, they would truly carry the load in case of American national mobilization or DOD force deployment, large or small. How they perform together to rapidly deploy American military power in support of American national objectives could be the determining factor in whether we achieve those objectives.

Though these commands have, since their inceptions, operated separately from each other, with none firmly involved in each other's planning process, their joining together is not a new idea. As early as 1949, the idea was making the rounds of the Pentagon. (5:1199) It would take a major exercise in 1978 and, literally, an Act of Congress, to make that idea a reality.

Chapter Two

FIFTY NUGGET 78

Mobility and deployment--the ability of the United States to marshall its military resources and project them to any spot around the globe--are key elements of national power which are tested virtually every time the Joint Chiefs of Staff (JCS) task a military exercise. (11:3) From the massive European deployment involved in the Reforger series of exercises to the paperwork command and control exercises of the Wintex-Cimex exercise set, mobility and deployment are tested, actively or passively, each time a major military exercise is held. To augment this sometimes incidental testing, the Department of Defense (DOD), in conjunction with other government agencies, conducts a biennial exercise specifically designed to test our national abilities in the key areas of mobility and deployment. (11:3) The exercise conducted in 1978, Nifty Nugget, was to provide the impetus for a major change in the way the DOD, the JCS, and the Defense Transportation System (DTS) went about the business of mobilizing and deploying our nation's military might.

Exercise Nifty Nugget was, in fact, part of a three-exercise series co-sponsored by the Office of Secretary of Defense (OSD), the JCS, and the Federal Preparedness Agency (FPA). (11:3) [NOTE: The Federal Preparedness Agency has since become part of the Federal Emergency Management Agency (FEMA) and no longer exists as a separate organization. (11:3)] Each sponsoring agency was responsible for a separate exercise which would test, on paper, the ability of different types and levels of governmental agencies to respond to different phases of a national mobilization scenario.

Before examining each separate exercise, we should first be conversant with the common exercise scenario. While each exercise would approach it from a different direction, each shared a common "story line." The situation upon which each exercise was based was the simulation of "a fast-breaking conventional attack in Europe" by the combined forces of the Warsaw Pact. (5:1199) This scenario was developed because, "[w]hile such a scenario might not be the most likely case, the penalty for being unprepared is so great that the U. S. must plan for such a possibility." (11:3) Such a no-notice, lightning-quick attack would eliminate a tremendous American resource--long-term national industrial mobilization--and

constrain the US to the use of "forces-in-being", with no opportunity to upgrade our strategic reserves. (11:3) The "scenario was the most stressful its designers could devise--a bolt-from-the-blue attack by the Warsaw Pact on NATO forces in Europe." (8:42) In other words, we would be fighting the enemy on his terms, at the time and place of his own choosing. Because of the complexity and pace of the exercise, it provided the opportunity to evaluate several different agencies of the federal government at several different levels on an almost real-time basis at several different stages of mobilization and deployment.

The first exercise of the series to take place was sponsored by the Office of the Secretary of Defense. Exercise Petite Nugget 78 was a one-day exercise (7 October 1978) wherein senior military and civilian officials would review planning options available in advance of actual mobilization. (11:4) Its objectives included: providing the opportunity for those senior officials to familiarize themselves with pre-mobilization options; illustrating the need for more sophisticated mobilization planning; and illustrating how readiness could be improved given a period of political warning. (11:4)

The second exercise in the series was exclusively civilian in scope, and was sponsored by the FPA. Exercise Rex 78 lasted three weeks, from 10 October through 30 October 78, and was designed to test purely civilian inter-agency cooperation and coordination. Its objectives included: testing civilian "plans, procedures, systems and support for military mobilization and initial deployment"; testing management of vital national resources involved in such a deployment; and identifying short- and long-term shortages in those resources. (11:4) It would also evaluate civilian agency-DOD cooperation in a mobilization situation. (11:4)

The final exercise, and the one with which we are most concerned, was exercise Nifty Nugget 78. Sponsored by the Joint Chiefs of Staff, Nifty Nugget ran concurrently with Rex 78, at the same stages of the scenario throughout. (4:54) This was the purely military aspect of the exercise series, although as the entire series of exercises had the specific purpose of evaluating mobilization and deployment, "the simulated warfighting portion was subordinate to mobilization and deployment situations." (11:4) Among the exercise objectives of Nifty Nugget were: "to determine the adequacy of plans, systems, and procedures for full mobilization"; "to

examine limitations and shortfalls in manpower and logistics during the initial phases of mobilization and deployment"; and "to assess the effectiveness of deployment planning." (11:4) The demanding scenario would provide the real test of all those objectives.

At the termination of the three-week simulated war, the results were clear. The reaction of the participants was summed up in one sentence by the then-Undersecretary of Defense for Policy, Robert Kromer, "It proved we couldn't mobilize." (15:40) What had been intended to have been "a no-fault exercise that would pinpoint problems for remedial action," turned out to be something quite different. (8:42)

According to the exercise report prepared for the Office of the Secretary of Defense, "Nifty Nugget made salient the fact that the existing mobilization plans were a hodgepodge of old and unconnected Presidential emergency orders, policies, regulations and procedures." (11:8) Operations plans which would be key to any large deployment were found to be wildly inaccurate, "... rapid reinforcement of NATO called for Army reserve units which lacked 'personnel, equipment and training' for their taskings. (8:42) Planners had consistently 'assumed away' large shortfalls in Prepositioning of Material Configured to Unit Sets (POMCUS) and War Readiness Material (WRM), critical items for both the Army and the Air Force in the event of conventional war in Central Europe. (8:42)

The shortages in both manpower and material were compounded by major disconnects in the planning for strategic transportation. Because no one had prioritized each supported Commander-in-Chief's (CINC) requirements, the JCS had overtasked total strategic airlift capacity by some 300 percent--the system would have ground to a halt. (8:42) "[W]hen several regions had to be implemented simultaneously, aircraft had to be re-allocated; collectively, these plans called for many more aircraft than could be available." (11:16) Shortages and shortfalls in strategic transportation assets were not, however, limited to airlift. The sufficiency of sealift assets, too, were suspect. While the Military Sealift Command could call on the Ready Reserve Fleet in actual mobilization, the exercise evaluation report called these "limited assets" in the critical "initial days of mobilization." (11:17)

Another key problem involved the very planning and execution systems which were required for rapid, effective

deployment. Any change in deployment requirements could result in large scale turmoil. An attempt to change the configuration of a Marine unit bound for Iceland, "wrecked the entire mobilization computer system," according to Undersecretary Kromer. (15:40) "[T]he automated planning system could not provide a list of the units in a light (Marine) brigade, and then forgot to inform the Commander-in-Chief, Atlantic, of the change." (8:42)

The planning and deployment system was shown to be particularly resistant to the type of short-notice change which would be demanded by this scenario were it really to happen. According to the exercise evaluation, "This lack of flexibility causes unacceptable delays in the movement of units and supplies and inefficient use of strategic airlift assets." (11:16) Uncoordinated taskings throughout the exercise caused immense redundancy of effort, further bogging down the transportation system. "In one case, airlifters received 27 validated requests to move the same unit to 27 different places." (4:54)

Many of the problems which surfaced could and should have been expected. The scenario was designed to be demanding, but "even (the exercise) designers were somewhat taken aback by how neglect had soured mobilization capability." (8:42) Running throughout all the problems seemed to be a common thread--no one person or agency was in charge of deployment planning and mobilization. The Joint Chiefs realized that they simply had to bring the planning process under control. "To fix the problems revealed in Nifty Nugget, we established the Joint Deployment Agency (JDA)," said General Duane Cassidy. "We gave it the responsibility for integrating our procedures for executing major deployments." (5:1199) Whether this new agency, by "integrating our procedures," could bring together all these loose parts into a coherent whole would remain to be seen.

Chapter Three

THE JOINT DEPLOYMENT AGENCY

The need for some sort of coordinating organization for national mobilization and deployment was mentioned in the Nifty Nugget Exercise Evaluation. "...until Nifty Nugget, no agency had been charged with integrating the planning of the TOAs (Transportation Operating Agencies) into a single traffic management system." (11:16) Even General David C. Jones, then-Chairman of the Joint Chiefs of Staff, noted the shortfall in his Fiscal Year 1980 Military Posture Statement, "The Nifty Nugget results have confirmed my judgment that we have a great deal of work to do in order to update our near-term capability to mobilize, deploy and sustain our combat forces." (16:50)

Much had to be done, and with the results of Nifty Nugget fresh in their minds, it did not take the Joint Chiefs of Staff long to develop what they hoped would be a solution to the problem. Immediately after the exercise, "the Commander-in-Chief, United States Readiness Command (USCINCRD), was tasked by the JCS Chairman to develop an organization to improve our Nation's capability to deploy and sustain mobilized combat forces." (7:8) As a result of USCINCRD's efforts, the JCS was able to create the new Joint Deployment Agency as early as March 1979, less than six months after the major problems had surfaced. (2:15-16)

The new organization would take advantage of expertise already possessed by the Department of Defense. Its headquarters would be at MacDill AFB, Fla, where it would be collocated with the United States Readiness Command (USREDCOM) (16:50) This collocation would take advantage of USREDCOM's 18 years of experience in "planning for deployment of CONUS-based Army and Air Force general-purpose combat forces," dating back to USREDCOM's 1961 creation as successor to U.S. Strike Command. (16:50) The mere collocation, however, would not alone pass that experience. The top three officers of the new JDA; the Director, the Vice Director, and Chief of Staff, were 'dual-hatted' from equivalent positions in USREDCOM. (7:8-9) Additionally, 10 senior members of the USREDCOM staff moved full-time to the JDA, and an additional 110 staffers dual-hatted along with their commander. (16:50) Augmenting this experienced core would be an additional 126 officers and enlisted members of all services. (16:50)

As many of the problems noted in Nifty Nugget 78 related to the planning aspect of mobility and deployment, that would become the JDA's primary charter. With the Nifty Nugget exercise results as a starting position, and the expertise of USREDCOM to point the right direction, the JDA went to work in three separate areas--deliberate planning, plans maintenance, and time-sensitive planning and execution. (13:1-3)

The first step in any deployment planning is the deliberate stage. "In the deliberate, or peacetime, planning process, the Joint Chiefs of Staff task a [theater] commander with developing plans to meet national security objectives." (2:16) In developing these plans, the theater commander must deal extensively with all members of what can be called the joint deployment community. "In the broadest sense, [this] encompasses all levels of command and governmental agencies, such as the National Command Authority, The Secretary of Defense, the Joint Chiefs of Staff, Service staffs, unified and specified commands, and other agencies." (13:2) The mission of the JDA in deliberate planning was to 'jump right in', to provide "a single point of contact" for all agencies involved in this initial planning process. (7:8)

This interaction would be accomplished by the JDA at a series of plans refinement conferences, wherein the theater (or planning) commander sits down with representatives from the joint deployment community. (2:16) At these planning conferences, the participants would compare the plan's deployment data base with further data about forces, equipment, supplies, and transportation assets. "The conference process in effect changes a notional plan into an actual assessment of capability." (2:16)

The process comes in two phases. In Phase I, accurate information about the real availability of troops, supplies, and equipment is developed for transportation planners. In preparation for Phase I, personnel planners check tasked units to assure that they are in fact the correct ones, and that they are correctly trained, equipped, and manned. Logisticians check supply and resupply plans for sustainability. Each participant checks his own area of expertise so that actual movement planning may begin with

the correct data. (13:3) This coordinated and correct data is submitted to the Transportation Operating Agencies (TOAs) in the form of Time-Phased Force Deployment Data (TPFDD). This computerized list tells that TOAs the 'what and when' to plan for. (13:2)

In Phase II of the refinement process, the TOAs are able to refine movement schedules based upon availability of transportation modes. They will adjust movement requirements where possible to resolve transportation shortfalls and conform to existing transportation capabilities. (13:3) In this phase, the transporters can select and develop the best mode and route for most effective deployment. "For instance, the Alaska Plan, which originally called for forces to deploy to Alaska through the Port of Savannah via the Panama Canal, was improved by re-routing troops and materiel overland to the Port of Seattle and thereafter by sea to destination." (2:16) This planning refinement process will provide a truer picture of what the theater commander needs, where he needs it, who will provide the support, when it can be delivered, and by what means. That picture, developed by the JDA, would provide a solution to many of the problems surfaced in Nifty Nugget. That, at least, was the intention.

To keep track of these plans, and to facilitate changes to them, a new system of data automation was created--the Joint Deployment System (JDS). The JDS, a massive computer system integrated into the Worldwide Military Command and Control System (WWMCCS) Intercomputer Network (WIN) was to become "the central repository of deployment data. It contains all real-world and exercise operations plans (OPLANS)." (17:1) In addition to the general planning data, the JDS stores "up-to-date planning data on the first five days of airlift and the first 30 days of sealift for each plan." (2:16) The JDS can be accessed throughout the joint deployment community, and because "[a]ll JDS sites use identical software and the same data base structure," system maintenance, and data reception speed are improved, memory is increased, and all data bases are synchronized. (17:1) At least that was the plan. Because this data base is computerized and readily accessible, plan maintenance is also much easier. With the JDS, the JDA could now theoretically review the data base on a regular basis to ensure that major data elements for deploying forces and equipment are valid and in order. (2:18) With computerization, a much wider range of information can be

maintained in accordance with the real world situation. "This plan maintenance concept will provide for 'living' plans rather than documents which only gather dust between planning revisions." (7:9) The system, with its universal data base and capability for real-time situational updates, allows, for the first time, coordinated deployment planning, both deliberate and time-sensitive.

It would be in time of crisis, however, when the JDA and the JDS would truly come into their own. "In times of tension or crisis, the JDA becomes the focal point for the deployment community." (13:4) Often little time is available for developing proposed courses of action, and several plans may have to be melded into one contingency plan. "The JDS now bridges the gap between deliberate peacetime planning and time-sensitive planning and execution for an imminent or evolving crisis." (13:3) As a crisis approaches or develops, "commanders use data from the joint deployment system relating to forces and movement characteristics." (2:16) Throughout a crisis, from force selection, through deployment tasking, to final plan execution, the JDS gives commanders at all levels access to current, accurate information about forces available and the means to get them where they are needed.

If the Joint Deployment Agency and the Joint Deployment System represented giant steps in mobility and deployment planning, major problems still existed. The first problem was basic--command. "The JDA cannot finish the job," according to General Duane H. Cassidy. "We did not give it the authority to direct corrective actions from the unified/specified CINCS or from the Transportation Operating Agencies." (5:1199) The Navy agreed, "The JDA has never had power over the commands, and has been ineffective as a result." said Ed Krochalis, MSC's deputy director of plans. (15:40) USAF Colonel Franklyn Selzer, chief of the Strategic Mobility Division, Logistics Directorate, JCS, commented, "There was nothing absolutely wrong with the way each of the three commands [MAC, MSC, MTMC] did its job. The problem was when you tried to integrate them. JDA's fatal flaw was there was lots of service parochialism. (15:43)

The lack of central command authority compounded problems with the JDS. "The system never worked as advertised, partly because the JDA lacks the authority to force the services to give it the information it needs."

(15:43) The lack of a common data base was not the only problem the JDS faced. According to a Government Accounting Office (GAO) report compiled in 1986, JDA had achieved no agreement on types of information required for the JDS or on methods of computer interface between and among the various commands and agencies served. Indeed, the GAO found that the services used a total of 14 different computers for deployment planning, and that JDS would interface with only six. (15:44)

Major strides had been made through the JDA, but it became clear that it just would not solve several root problems. Into the mid-1980's, the argument about combining the three Transportation Operating Agencies into a unified transportation and deployment agency continued to a resolution. We shall next look at some of those arguments, pro and con, and see how that resolution brought us to where we are today.

Chapter Four

TRANSITION: JDA TO USTRANSCOM

If it was generally agreed among the members of the joint deployment community that the Joint Deployment Agency was not to solve all their problems, there was certainly no unanimity as to what the proper solution should be. It was clear that the JDA as constituted could not pull together all the services and their transportation planning elements, and it was equally clear that the JDA would not be able to make the Joint Deployment System into the all-in-one computer system which would be required for the massive coordinated effort. The question became one of reform or replacement.

As early as 1981, the Department of Defense became concerned about the real efficiency of the new JDA. The Department commissioned the Joint Chiefs to study the situation and develop recommendations. The Chiefs realized that the current system was, in general, a compromise. "While well intentioned, the result has been a disjointed system that cannot adequately perform the function for which it was intended." (15:45) The solution recommended by the Chiefs was the consolidation of two of the three DOD transportation commands, MSC and MTMC. (3:44) While the proposed merger would only include docks and not operational control of ships, lights and bells went off, particularly within the Department of Navy. Then-Secretary of the Navy John F. Lehman, Jr. became concerned that the Navy would, in fact, lose control of its operational transportation assets. It took some two years, but in 1983, largely because of his efforts, language was inserted into that year's Defense Authorization Bill which specifically prohibited a formal merger of the two commands. (15:45)

Efforts continued, however, to merge all the Department of Defense transportation operating agencies along the lines of the Hoover Commission Report of 1949 (4:54) and the 1955 Second Commission on Organization of the Executive Branch of the Government. (18:1) Beginning in the early 1980's, the topic was studied by President Reagan's Blue Ribbon Commission on Defense Management. This group was established by the President and given broad charter to study the entire Department of Defense. (6:41) It would develop recommendations which, while not having force of

law, could serve as a basis for either public law or executive action by the President. Its findings relative to the transportation community were clear: "The Secretary of Defense should establish a single unified command to integrate global air, land and sea transportation, and should have flexibility to structure this organization as he sees fit. *Legislation prohibiting such a command should be repealed.* " [Emphasis mine] (12:38)

Coincident with the studies of the Presidential Commission, the United States Congress was studying the same problems. No less a friend of the Defense community than Senator Barry Goldwater (R-AZ) was conducting hearings on what was to become the Goldwater-Nichols Department of Defense Reorganization Act (Public Law 99-433). In these hearings, service opposition to unification again boiled to the surface. Principal among the opponents was, again, Navy Secretary Lehman. He was concerned that the unification of the three services' transportation elements would create a useless bureaucratic nightmare. "To take the Military Sealift Command and put it out in Illinois under an Air Force Commander has to be taking the process of reorganization for its own sake to an absurd extreme." (15:44)

The Army was equally opposed to the proposed unification. Retired Army Maj. Gen. Hank Del Mar, former Commander of MTMC, foresaw an objectivity problem with the subordination of all transportation assets under one service. "The commander of TransCom (sic) should be a traffic manager. He should not be saddled with the parochialism and prejudice of being the manager of one mode." (15:45) Then-Commandant of the Marine Corps, Gen. P. X. Kelley, suggested delay. He felt that a civilian think tank might help solve the problems--and possibly save dedicated Marine sealift assets from joint use. (15:44)

These Pentagon officials were, apparently, swimming against the tide. Following all the testimony, both pro and con, the Goldwater-Nichols Committees created their reforms. Specific among them was the repeal of the Lehman-engineered 1983 prohibition against unification--legislation called for by the Packard Commission. (20:2211) The way was now clear for unification, and unification is what happened.

In April, 1986, the National Security Decision Directive (NSDD) 219 directed the Secretary of Defense to

"establish a single, unified command to provide global air, land, and sea transportation." (18:1) Subsequently, on April 15, 1987, the Secretary of Defense established the framework for the United States Transportation Command (USTRANSCOM), and in June of that year President Reagan nominated General Duane H. Cassidy, CINCMAC, as the first CINCUSTRANSCOM. (19:32) The command was activated in ceremonies at Scott AFB, IL on 1 October 1987, ushering in a time-phased program which will have it fully functional by a target date of October 1990. (1:26)

The new command will have as its three components the services' transportation commands--MAC, MSC and MTMC. Additionally, it will absorb the disestablished JDA and assume responsibility for all Department of Defense strategic mobility planning. (19:32) As part of its planning function, USTRANSCOM will be responsible for the development of an automated data processing (ADP) master plan to create a user-oriented system responsive to the needs of supported and supporting CINCs. (5:1199)

That's quite a full plate, putting one command--and one commander--in charge of all planning and execution of all mobility and deployment functions for the Department of Defense. While only time will tell if it will work, we will next attempt to project the impact of the new command on the problems exposed in Nifty Nugget 78.

Chapter Five

THE FUTURE

While only time will tell whether the creation of the unified United States Transportation Command will usher in a new era of greater efficiency and effectiveness in mobilizing and deploying our nation's military might, perhaps we can deduce something of an answer from the information we have covered thus far. From the exercise results of Nifty Nugget 78, we know where we started from. And from the experience with the Joint Deployment Agency, we know what initial steps were taken to improve the situation. What we must now ask is whether, given those initial problems and tentative solutions, the USTRANSCOM will, in fact, go beyond the JDA and solve the problems surfaced in 1978.

In this chapter, we will discuss the two major problems uncovered in Nifty Nugget: lack of a command structure in mobility and deployment planning; and lack of effective automated data processing (ADP) support throughout the planning and execution cycle. We will take each problem separately, and discuss why the JDA failed to solve them. With each problem, we will attempt to apply the remedy of USTRANSCOM. Finally, we will discuss some doctrinal and operational questions whose answers may have direct bearing on the future effectiveness of the new command.

The first problem we address is that of command. We have seen the situation which existed in 1978. The exercise report refers to the "hodgepodge" of data (11:8), nothing which could properly be called a coordinated plan. There was simply no one in charge of mobility and deployment. The creation of the JDA, and specifically the position of Director, JDA, was a step in the right direction. For the first time, there was a major military organization which had as its charter the planning of national mobilization and deployment--with a four-star general as its head. The problem was, that general was not granted the authority to fully accomplish his mission. A joint task force assigned by the JCS to study the problem in 1986 found, "a lack of authority within the Joint Deployment Community (JDC) for one command to direct corrective action or intervene effectively when required." (18:2) General Cassidy, the new CINCUSTRANSCOM, agrees, "it was an agency with coordinating

authority only--so it reached a level beyond which it could not go without authority to direct the TOAs or unified and specified commanders in chief to take corrective actions, keep data bases current, or adhere to milestones." (4:54) CINCUSTRANSCOM will have no such problems. He will, first of all, have operational command over all transportation assets in the Department of Defense. (19:32) And as a unified command CINC, with an operational chain of command running directly from the National Command Authority (NCA) through the JCS (18:3), he will have the 'clout' to accomplish what has to be done. The creation of the USTRANSCOM will solve the command problem in the mobility and deployment community.

What, then, of the other major problem, automated data processing support? We saw the system break down in Nifty Nugget, with no coordinated data base and lack of real-time responsiveness. And we saw the attempted fix, the Joint Deployment System. For all the positive aspects of the JDS, its shortcomings were numerous. Lack of interface between and among the various commands' hardware systems and lack of a coordinated data base were the primary problems. Compounding these problems, and perhaps slowing their solution, was the aforementioned command problem. If the creation of USTRANSCOM has solved that problem, let us now look at the steps being taken to solve the ADP problem.

Even before the USTRANSCOM came on line, a new phase in the USAF WWMCCS information system (WIS) modernization plan had begun. (15:44) The upgrade of the JDS to a new system, the Joint Operational Planning and Execution System (JOPES) was, to an extent, underway. (4:57) Unfortunately, budgetary problems and interservice coordination problems had put that system somewhere into the future. (15:44) The creation of the new command may provide the impetus to get that hardware update back on track. In developing a new ADP system for mobility and deployment planning, USTRANSCOM has a distinct advantage--the MAC ADP system. It is considered one of the best anywhere, and it will serve as a model for the new system. (3:42) The new command is already hard at work on this critical task. The CINCUSTRANCOM has established an ADP working group made up of members of his service components, the Department of Transportation, the Defense Communications Agency, and the Air Force System Command's Electronic Systems Division. (4:57) This is not a mission taken lightly by the command. USAF Colonel David S. Hinton, USTRANSCOM Chief of Staff has said, "If we do

nothing more than pull off the consolidation of ADP efforts under one command, we will have justified our existence and have saved the American taxpayers untold dollars." (3:42)

The new CINCUSTRANSOM has also asked the question of whether his new command can solve the problems. Realizing that abstract thought will never answer that question, he has asked the Joint Chiefs to 'recreate' Nifty Nugget in 1989. A similar exercise, with the nature of the threat updated, could provide a new "baseline" from which to measure our nation's ability to mobilize and deploy its forces. (4:58)

It would be unfair, however, to leave the reader with the impression that the situation is unbroken sweetness and light. There are several questions about the new command, both doctrinal and operational, unanswered at this time, which could have direct bearing on the command's success. Secretary Lehman raised a valid point in Congressional hearings when he mentioned "reorganization for its own sake." (15:44) We can also ask, is this 'unification for its own sake?' Currently, jointness and unification seem to be almost the faddish bywords in the Department of Defense. We have long had unified commands, such as the United States European Command (USEUCOM), which were geographically based. But the creation of USTRANSCOM, along with the new United States Special Operations Command (USSOC), takes us down the road of unification based on function, or result. Will we one day join USAF A-10s, Marine Harriers, and Army attack helicopters in a unified United States Tank Killing Command? We must be careful that, in seeking greater efficiency through unification, we do not undermine the effectiveness of separation. Generals Arnold and Spaatz fought too long and hard for a separate Air Force for it to be smothered under a blanket of unification.

There is also the operational question, specific to the Military Airlift Command (MAC), about its change of status from a specified command to a component command within USTRANSCOM. (3:40) As a specified supporting CINC, CINCMAC had previously kept operational command and control over the strategic leg of his airlift diad, while the tactical leg CHOPs (changes operational control) to a supported (unified) CINC in time of war. Now, those roles are not so clear. In General Cassidy's words, "The commander in chief of the U S Transportation Command is the supported commander in chief for the transportation aspects of mobility

planning, but is the supporting commander in chief when providing mobility capability to the other combatant commanders." (4:56) The status of the Military Airlift Command within that new arena is a situation which will require further definition before the success of USTRANSCOM can be assured.

So, we have looked at our nation's status relative to mobility and deployment, beginning with Exercise Nifty Nugget 78. And we have seen the tremendous problems which faced planners as a result of that exercise. Next, we examined the attempted remedy, the Joint Deployment Agency, and we have examined its shortcomings. Finally, after reviewing the arguments pro and con, we have seen the creation of the United States Transportation Command. In examining this new command relative to the problems which preceded it, perhaps we have come some distance in answering the question, "Can unification solve the problems?"

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