

AD-A104 837

NETWORK ANALYSIS CORP VIENNA VA

F/G 17/2

DEPARTMENT OF TRANSPORTATION DATA COMMUNICATIONS REQUIREMENTS A--ETC(U)

JUL 81

DOT-FA79WA-4335

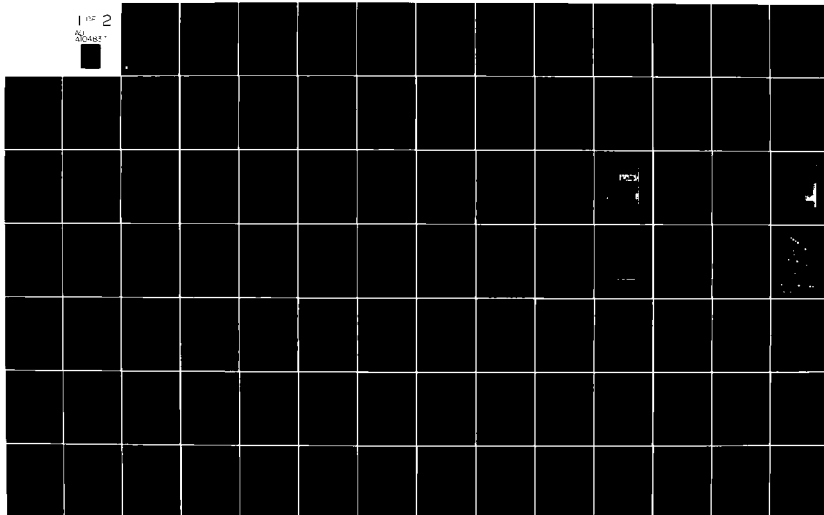
UNCLASSIFIED

NAC/FR-3031.01

FAA/RD-81/70

NL

1 OF 2
AD-A104 837



DOT/FAA/RD-81/70

05
**Department of Transportation
Data Communications
Requirements Analysis**

AD A104837

(12) LEVEL II

NETWORK ANALYSIS CORPORATION
310 Tower Building
Vienna, VA 22180

DTIC
ELECTE
S OCT 1 1981 D
B

July 1981
Final Report

This document is available to the U.S. public
through the National Technical Information
Service, Springfield, Virginia 22161.

FILE COPY



US Department of Transportation
Federal Aviation Administration
Systems Research & Development Service
Washington, D.C. 20590

104

NOTICE

This document is disseminated under the sponsorship of the Department of Transportation in the interest of information exchange. The United States Government assumes no liability for its contents or use thereof.

Technical Report Documentation Page

1. Report Number DOT/FAA/RD-21/70	2. Government Accession No. AD--A104837	3. Recipient's Catalog No.
4. Title and Subtitle DEPARTMENT OF TRANSPORTATION DATA COMMUNICATIONS REQUIREMENTS ANALYSIS	5. Report Date JULY 1981	6. Performing Organization Report Number
7. Author(s)	8. Performing Organization Report Number FR-3031.01	9. Performing Organization Name and Address Network Analysis Corporation 301 Tower Building Vienna, VA 22180
10. Sponsoring Agency Name and Address U. S. Department of Transportation Federal Aviation Administration System Research and Development Service Washington, DC 20590	11. Contract or Grant No. DOT-FA79WA-4335	12. Type of Report and Period Covered Final Report. 1981-1983.
13. Supplementary Notes	14. Sponsoring Agency Code FAA/ARD-220	

16. Abstract

Data communications requirements are documented for eight Department of Transportation (DOT) administrations and offices; data communications and data transmission characteristics have been identified. Results are presented as: summarized agency requirements which profile the total DOT environment; individual administration requirements which profile, in detail, each administration environment; codified terminal information presented in a machine readable data base format for all agency requirements.

17. Key Words Data Communications Data Transmission Traffic Characteristics Computers Terminals	18. Distribution Statement Document is available to the U.S. public through the National Technical Information Service, Springfield, VA 22161		
19. Security Classif. (of this report) Unclassified	20. Security Classif. (of this page) Unclassified	21. No. of Pages 143	22. Price

410097

METRIC CONVERSION FACTORS

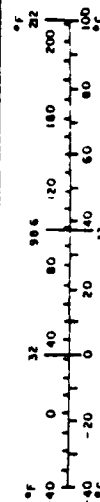
Approximate Conversions to Metric Measures

Symbol	When You Know	Multiply by	To Find	Symbol
LENGTH				
in	inches	2.5	centimeters	cm
ft	feet	30	centimeters	cm
yd	yards	0.9	meters	m
mi	miles	1.6	kilometers	km
AREA				
m ²	square inches	6.5	square centimeters	cm ²
ft ²	square feet	0.09	square meters	m ²
yd ²	square yards	0.8	square meters	m ²
ac	square miles	2.6	square kilometers	km ²
	acres	0.4	hectares	ha
MASS (weight)				
oz	ounces	28	grams	g
lb	pounds	0.45	kilograms	kg
	short tons (2000 lb)	0.9	tonnes	t
VOLUME				
teaspoon	teaspoons	5	milliliters	ml
tablespoon	tablespoons	15	milliliters	ml
fluid ounce	fluid ounces	30	milliliters	ml
cup	cups	0.24	liters	l
pt	pints	0.47	liters	l
qt	quarts	0.95	liters	l
gal	gallons	3.8	liters	l
ft ³	cubic feet	0.03	cubic meters	m ³
yd ³	cubic yards	0.76	cubic meters	m ³
TEMPERATURE (exact)				
°F	Fahrenheit temperature	5/9 (after subtracting 32)	Celsius temperature	°C

* 1 in. = 2.54 exactly. For other exact conversions and metric-linked values, see NBS Mon. Publ. 161, Units of Weights and Measures, Price \$2.25, SD Catalog No. C11 to 246.

Approximate Conversions from Metric Measures

Symbol	When You Know	Multiply by	To Find	Symbol
LENGTH				
mm	millimeters	0.04	inches	in
cm	centimeters	0.4	inches	in
m	meters	3.3	feet	ft
km	kilometers	0.6	miles	mi
AREA				
cm ²	square centimeters	0.16	square inches	in ²
m ²	square meters	1.2	square yards	yd ²
km ²	square kilometers	0.4	square miles	mi ²
ha	hectares (10,000 m ²)	2.5	acres	ac
MASS (weight)				
g	grams	0.035	ounces	oz
kg	kilograms	2.2	pounds	lb
t	tonnes (1000 kg)	1.1	short tons	st
VOLUME				
ml	milliliters	0.03	fluid ounces	fl oz
l	liters	2.1	pints	pt
l	liters	1.06	quarts	qt
m ³	cubic meters	0.26	gallons	gal
m ³	cubic meters	35	cubic feet	ft ³
m ³	cubic meters	1.3	cubic yards	yd ³
TEMPERATURE (exact)				
°C	Celsius temperature	9/5 (then add 32)	Fahrenheit temperature	°F



PREFACE

The Department of Transportation is developing and expanding its data communications network. Its present communications capabilities will be enlarged by 1983. This requirements analysis lays the groundwork for this expansion by identifying data communications and data transmission characteristics for the eight Department of Transportation Administrations and Offices.

The data collection approach used to gather the necessary information is described. The requirements are summarized for both the present 1981 levels and the projected 1983 levels. The individual administrative requirements are then detailed for the Office of the Secretary (OST), the U.S. Coast Guard (CG), the Federal Aviation Administration (FAA), the Federal Highway Administration (FHWA), The Federal Railroad Administration (FRA), the National Highway Traffic Safety Administration (NHTSA), the Research and Special Programs Administration (RSPA), and the Urban Mass Transit Administration (UMTA). Data communications and data transmission requirements are given for each of these agencies. Finally, terminal information for each of the DOT terminals is listed in the appendix.

Accession For	
NTIS GRA&I	☒
DTIC TAB	☐
Unannounced	☐
Justification	
By	
Distribution/	
Availability Codes	
Avail and/or	
Dist	Special
A	

TABLE OF CONTENTS

	<u>PAGE</u>
SECTION 1 — INTRODUCTION	
1.1 Background	1.1
1.2 Scope	1.2
1.3 Organization	1.3
SECTION 2 — DATA COLLECTION APPROACH	
SECTION 3 — SUMMARIZED DOT REQUIREMENTS	
3.1 Data Transmission Characteristics	3.6
3.2 Data Communications	3.6
SECTION 4 — INDIVIDUAL ADMINISTRATIVE REQUIREMENTS	
4.1 Office of the Secretary	4.2
4.1.1 Transportation Computer Center	4.2
4.1.2 General Administrative System	4.4
4.1.3 Coast Guard Administrative System	4.6
4.1.4 Transportation Automated Office System	4.6
4.1.5 OST Data Transmission Characteristics	4.6
4.1.6 OST Data Communications	4.7
4.2 U.S. Coast Guard	4.8
4.2.1 Existing CG Programs	4.8
4.2.2 Projected CG Programs	4.12
4.3 Federal Aviation Administration	4.22
4.3.1 FAA Aeronautical Center	4.26
4.3.2 Administrative Data Communications Network (ADCN)	4.26
4.3.3 Aircraft Management Information System (AMIS)	4.28
4.3.4 Personnel Management Information System (PMIS)	4.31

4.3.5	Uniform Payroll System (UPS)	4.33
4.3.6	Instrument Approach Procedure Automation (IAPA)	4.36
4.3.7	Uniform Accounting System (UAS)	4.37
4.3.8	PLATO	4.38
4.4	Federal Highway Administration	4.39
4.4.1	Research and Development	4.39
4.4.2	Direct Federal Construction (DFC)	4.42
4.4.3	Financial Management Information System (FMIS)	4.43
4.4.4	Bureau of Motor Carrier Safety (BMCS)	4.44
4.5	Federal Railroad Administration	4.45
4.5.1	Railroad Safety (RS)	4.45
4.5.2	Railroad Policy (POL)	4.47
4.5.3	Federal Assistance to Railroads (FA)	4.48
4.5.4	FRA Administration (ADMN)	4.48
4.5.5	Transportation Test Center (TTC)	4.49
4.6	National Highway Traffic Safety Administration	4.50
4.6.1	Research and Development	4.50
4.6.2	Enforcement (ENF)	4.53
4.6.3	Administrative (ADMN)	4.54
4.6.4	Safety	4.55
4.7	Research and Special Programs Administration	4.56
4.7.1	Transportation System Center (TSC)	4.56
4.7.2	RSPA Data Transmission Characteristics	4.57
4.7.3	RSPA Data Communications	4.58
4.8	Urban Mass Transit Administration	4.59
4.8.1	Research and Development Programs	4.59
4.8.2	Grant and Loan Programs	4.59

APPENDIX A — DOT TERMINAL AND DATA COMMUNICATIONS REQUIREMENTS

LIST OF FIGURES

	<u>PAGE</u>
2.1 Tactial Factors	2.2
3.1 DOT Data Systems	3.2
3.2 DOT Terminal Population by Administration (1983)	3.4
3.3 DOT Computer Systems	3.5
3.4 DOT Terminal Population	3.7
3.5 Terminal Location Distribution (1983)	3.8
3.6 Cities with Greater than Ten Terminals	3.9
3.7 Summarized DOT Data Communications (1983)	3.10
3.8 DOT Data Communications (1983).	3.11
3.9 DOT Computer System Support (1983)	3.13
4.1 Summarized OST Requirements	4.3
4.2 TCC Systems	4.5
4.3 Coast Guard Functional Overview	4.9
4.4 Coast Guard Terminal Distribution	4.10
4.5 Summary of Existing Coast Guard Requirements (1981).	4.11
4.6 Coast Guard Terminal Distribution (1983)	4.13
4.7 Coast Guard Terminal Location Distribution (1983)	4.15
4.8 Projected Coast Guard Administrative Requirements (1983).	4.16
4.9 Projected Coast Guard Operational Requirements (1983)	4.20
4.10 FAA Data Systems	4.23
4.11 FAA Administrative Terminal Distribution	4.24
4.12 FAA Administrative Terminal Characteristics	4.25
4.13 FAA Administrative Data Network	4.27
4.14 FAA Terminal Locations by ADCN Site (1981)	4.29
4.15 FAA Terminal Locations by ADCN Site (1983)	4.30
4.16 AMIS Data Transmission Scheme	4.32
4.17 PMIS Data Transmission Scheme	4.34
4.18 UPS Data Transmission Scheme	4.35
4.19 Summarized FHWA Requirements (1983)	4.40
4.20 FHWA Terminal Location Distribution (1983)	4.41

4.21 Summarized FRA Requirements.	4.46
4.22 Summary of NHTSA Requirements (1981).	4.51
4.23 NHTSA Terminal Location Distribution	4.52
4.24 Summarized UMTA Requirements (1981)	4.60

SECTION 1

INTRODUCTION

1.1 BACKGROUND

The U.S. Department of Transportation (DOT) establishes the nation's overall transportation policy. Under its umbrella there are eight administrations whose jurisdictions include highway planning, development, and construction; urban mass transit; railroads; aviation; and the safety of waterways, ports, highways, and oil and gas pipelines.

Several years ago, the DOT initiated activities to identify possible requirements sets within each of the administrations which may be appropriately served by the National Airspace Data Interchange Network (NADIN) or other alternative shared data communications networks. The first step in this activity has been to form a working group for initial identification and characterization of DOT data communications requirements. The initial survey, which covered four organizations and identified nine data systems as candidates for alternative network support, indicated approximately 220 geographically dispersed terminals serving approximately 9 different systems on computers at Oklahoma City and Washington, D.C. Planned growth includes at least 450 more terminals for three new systems involving at least one new computer complex. The magnitude of the requirements clearly suggests one or more common data communications approaches may be beneficial.

The data presented in the initial requirements survey, however, are not complete and must be refined and validated in order to be effectively used in assessing the viability of any common network approach. In addition, several more technical and management issues must be addressed before the potential benefit of shared support of the DOT requirements can be realistically assessed.

Network Analysis Corporation (NAC) was tasked to refine, complete, and validate the DOT data communications requirements. The process was iterative and has necessitated a close working relationship with DOT personnel and NAC representatives.

As the study progressed, additional data systems were identified as potential candidates for integration into a common DOT networking approach. To assure development

of a complete agency profile, all data systems identified during the study have been included in this memorandum. The requirements data collected during this study do not include traffic, protocol or performance information. Consequently, prior to performing a feasibility analysis of alternative network strategies these requirements must be identified.

1.2 SCOPE

An analysis of DOT data communications requirements has been performed for the following eight offices and administrations:

1. Office of the Secretary (OST)
2. U.S. Coast Guard (CG)
3. Federal Aviation Administration (FAA)
4. Federal Highway Administration (FHWA)
5. Federal Railroad Administration (FRA)
6. National Highway Traffic and Safety Administration (NHTSA)
7. Research and Special Projects Administration (RSPA)
8. Urban Mass Transit Administration (UMTA)

Only the administrative portion of FAA requirements are included in the scope of this effort.

System synopses have been developed for each DOT office and administration. Summarized functional, data transmission and data communications requirements are qualitatively reviewed.

Furthermore, a common requirements profile, including a machine readable data base of tactical factors, has been developed. The data base tracks specific terminal information including: location, equipment type, circuit and host characteristics.

1.3 ORGANIZATION

This working memorandum is presented in two parts. Part I is organized as four sections. Section 2 describes the analyses approach and, in particular, discusses the requirements information which has been collected. Summarized DOT requirements are reviewed in Section 3; individual office and administrative requirements are presented in Section 4. Part II of the memorandum, presented in Appendix A, details specific terminal information for each DOT office and administration.

SECTION 2

DATA COLLECTION APPROACH

Data communications requirement information has been collected primarily through interviews with DOT administrative representatives and review of relevant agency documentation. The data collection process was iterative. NAC conducted interviews, documented requirements information collected from the interview sessions, and presented a documented summary of requirements to appropriate administrative representatives for validation and correction. The refined information for each administration appears in this memorandum.

Requirements information has been collected according to data systems. For each terminal node, tactical factors identifying organizational, terminal, circuit and host requirements were specified and translated into a machine readable data base. Figure 2.1 lists those tactical parameters; Appendix A cumulates the requirements for all DOT administrations. Given specific tactical requirements information, a summary of functional data transmission and data communications characteristics has been presented for each DOT data system.

Agency data communications data have been collected for two time periods: 1981 and 1983. In some instances, projected requirements were not specified to the level at which they were able to be translated into quantifiable tactical factors. For those systems, only existing requirements have been identified.

- Organizational Information
 1. Administration Identifier
 2. Administration Contact
- Data System Information
 1. Office
 2. Program
 3. Application
- Location Information
 1. City
 2. State
 3. Area Code Exchange
- Terminal Equipment Information
 1. Type
 2. Model
 3. Synchronization
 4. Number of devices
- Circuit Information
 1. Type
 2. Speed
 3. GSA Identifier
- Resource Information
 1. Center
 2. Host Type

FIGURE 2.1: TACTICAL FACTORS

SECTION 3

SUMMARIZED DOT REQUIREMENTS

Data transmission and data communications requirements are summarized for the Department of Transportation as follows:

- 8 administrations with 27 data systems for which quantitative data communications requirements have been identified (Figure 3.1).
- Approximately 750 terminals will be operated by the close of 1981 with plans to expand to 1700 devices by the end of 1983.
- FAA administrative systems and CG, the largest users of terminals and communications facilities, operate 67 per cent of all DOT terminal equipment (Figure 3.2).
- Data terminals are primarily low-speed, asynchronous teleprinter and alpha-numeric display units.
- 30 percent of all DOT terminals are installed in Washington, DC.
- Two major DOT computer centers currently provide processing support: 1) Transportation Computer Center (TCC); and 2) FAA Aeronautical Center. A third complex, Coast Guard Operational Computer Center (OCC), is scheduled for implementation shortly.
- 80 percent of the processing requirements of data terminals are supported by DOT computer systems; the remaining devices utilize time-sharing services (Figure 3.3).
- By 1983, approximately 75 percent of all DOT terminals are planned to access their respective computer systems via long haul communications facilities. Long

ADMINISTRATIONSYSTEMS

- | | |
|-----------------------|---|
| OST | <ul style="list-style-type: none">● General Administrative● Transportation Automated Office System (TAOS) |
| CG | <ul style="list-style-type: none">● Administrative● Operational |
| FAA
Administrative | <ul style="list-style-type: none">● Aircraft Management Information System (AMIS)● Personnel Management Information System (PMIS)● Uniform Payroll System (UPS)● National Flight Data Center (NFDC)● Instrument Approach Procedure Automation (IAPA)● Consolidated Accounting System (CAS)● PLATO |
| FHWA | <ul style="list-style-type: none">● Research and Development (R&D)● Direct Federal Construction (DFC)● Financial Management Information System (FMIS)● Bureau of Motor Carrier Safety (BMCS) |
| FRA | <ul style="list-style-type: none">● Safety (SAF)● Policy (POL)● Federal Assistance (FA)● General Administrative● Testing |

FIGURE 3.1: DOT DATA SYSTEMS

ADMINISTRATION

SYSTEMS

NHTSA

- Research and Development (R/D)
- Enforcement (ENF)
- General Administrative
- Safety (SAF)

RSPA

- General Administrative

UMTA

- Research and Development (R/D)
- Grant and Loan (G/L)

FIGURE 3.1: CONCLUDED

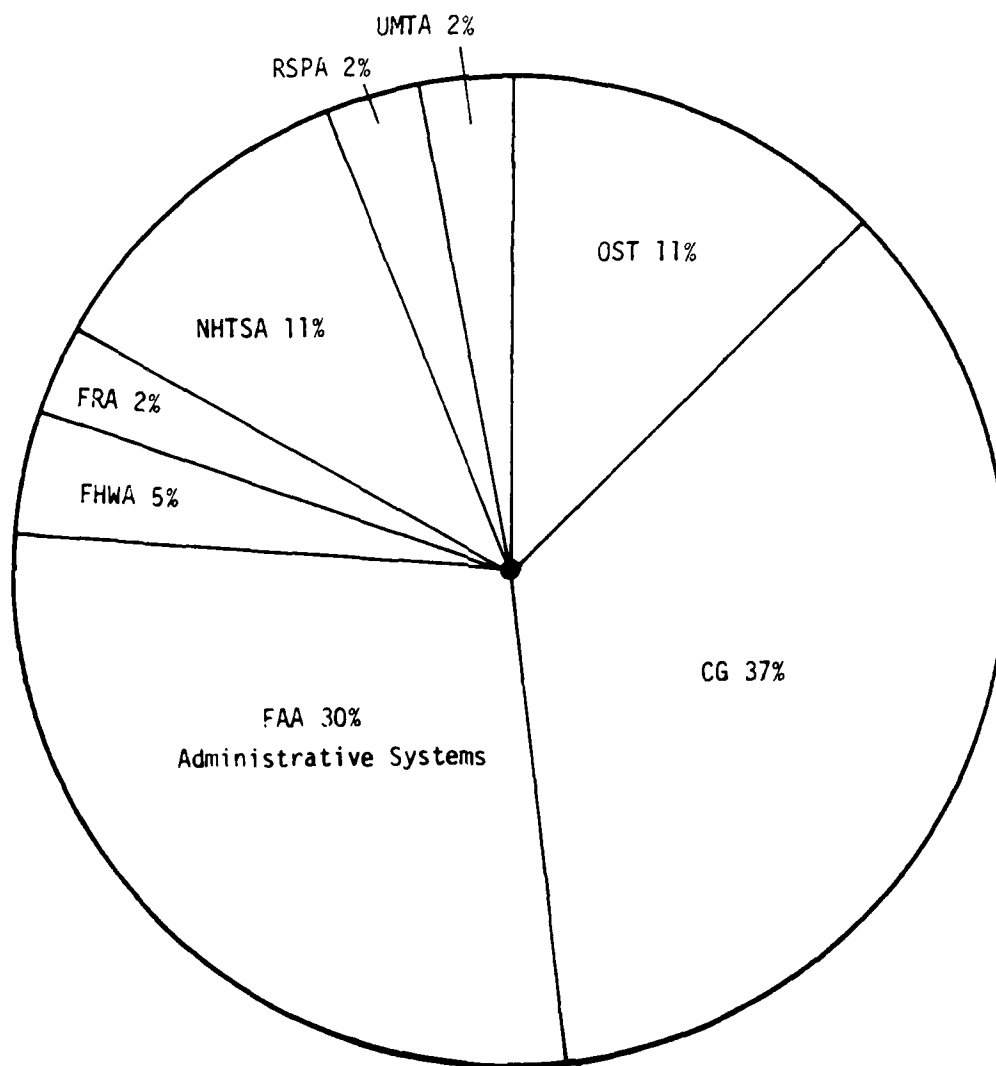


FIGURE 3.2: DOT TERMINAL POPULATION BY ADMINISTRATION (1983)

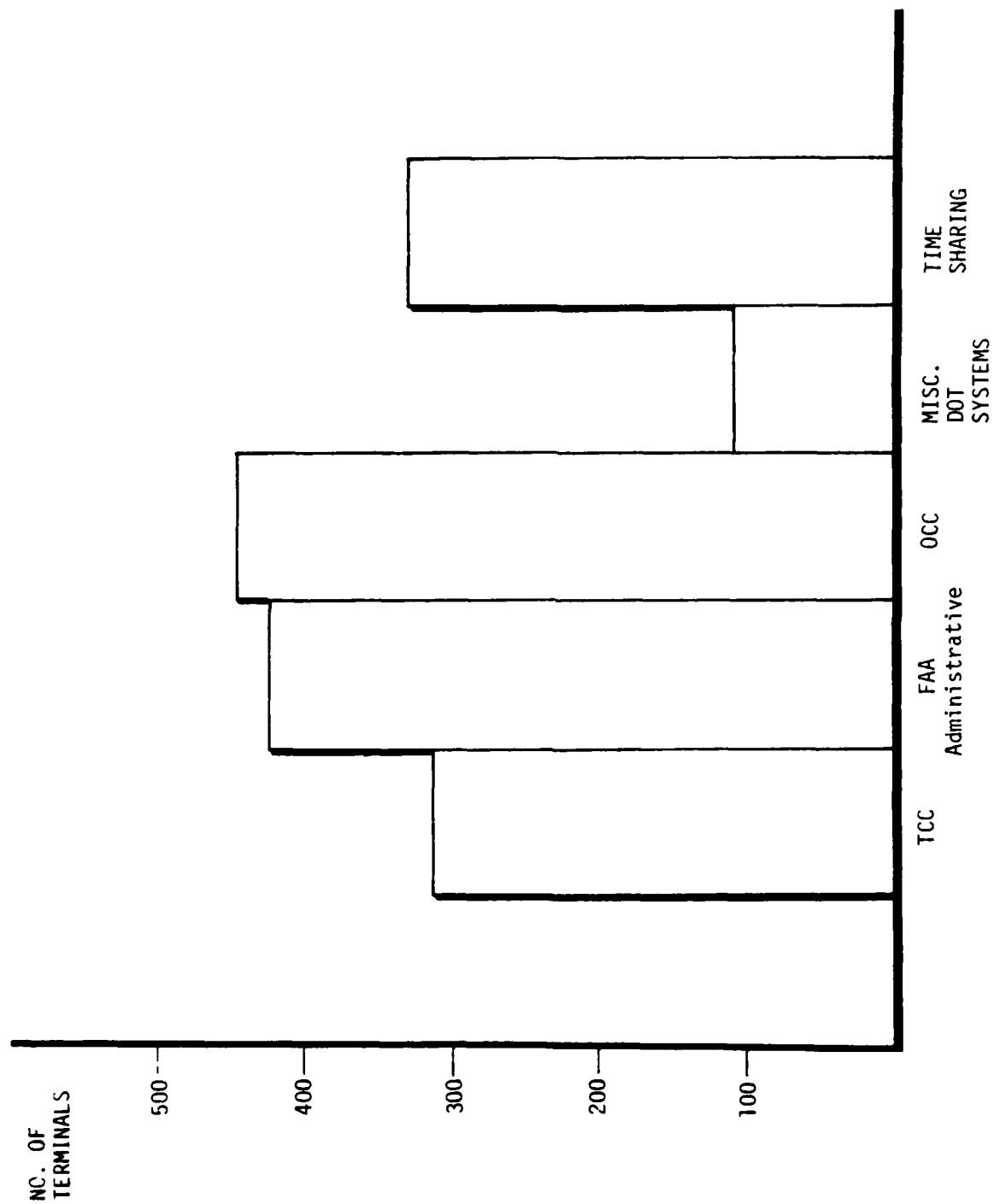


FIGURE 3.3: DOT COMPUTER SYSTEMS

haul communications include dial, dedicated or Value Added Network (VAN) facilities.

Summarized DOT requirements are discussed in detail in the following subsections. In particular, data transmission characteristics, and data communications requirements are reviewed.

3.1 DATA TRANSMISSION CHARACTERISTICS

The eight administrations of DOT currently operate 754 data terminals; plans include expansion to 1,661 units by the close of 1983. Figure 3.4 summarizes the current and projected terminal populations of each administration. As indicated, through 1983, the CG and FAA administrative systems are anticipated to operate the greatest number of devices: 605 and 543, respectively. The growth projections of the six remaining administrations are not quantified at this time, hence, the 1983 terminal populations for those administrations are fixed at the current levels.

DOT terminals are predominantly low-speed, asynchronous devices which transmit at 300-1200 bps speeds. The units, a variety of many manufacturer and model types, are a mix of alphanumeric display units, teleprinters, RJE, programmable and graphic devices. However, alphanumeric and teleprinter terminals are primarily used.

The Agency's terminals are located within the Continental U.S. (CONUS) as well as Noncontinental U.S. locations including Alaska, Hawaii, Puerto Rico and Guam. Approximately one third of the CONUS terminals are installed within administrative headquarters buildings in Washington, DC. The 1983 distribution of DOT terminals is given in Figure 3.5.

DOT terminals are located in approximately 110 cities within the CONUS and NONCONUS. Ten of the locations, identified in Figure 3.6, have greater than ten terminals.

3.2 DATA COMMUNICATIONS

DOT data communications are predominantly supported by long haul connections which include DDD, FTS, dedicated lines and private administrative networks. The CG and FHWA are currently procuring VAN services and by 1983 the use of VAN services will account for approximately one-half of all remote communications facilities. Figure 3.7 and 3.8 summarize 1983 DOT data communications.

ADMINISTRATIONS	NUMBER OF DEVICES	
	1981	1983
OST	185	185
CG	32	605
FAA (Administrative)	243	513
FHWA	18	95
FRA	35	35
NHTSA	176	176
RSPA	36	36
UMTA	29	29
TOTAL	754	1,674

FIGURE 3.4: DOT TERMINAL POPULATION

ADMINISTRATIONS	LOCATION DISTRIBUTION			
	HDQTS	CONUS*	NONCONUS	TOTAL
OST	183	-	-	185
CG	63	500	42	605
FAA (Administrative)	131	339	43	513
FHWA	7	85	3	95
FRA	19	16	-	35
NHTSA	72	101	3	176
RSPA	36	-	-	36
UMTA	19	10	-	29
TOTAL	532	1,051	91	1,675

* Continental U.S. locations not including Washington, DC Headquarters.

FIGURE 3.5: TERMINAL LOCATION DISTRIBUTION (1983)

Anchorage, AK
Atlanta, GA
Chicago, IL
Denver, CO
Honolulu, HI
Los Angeles, CA
New York City, NY
Oklahoma City, OK
Seattle, WA
Washington, DC

FIGURE 3.6: CITIES WITH GREATER THAN TEN TERMINALS

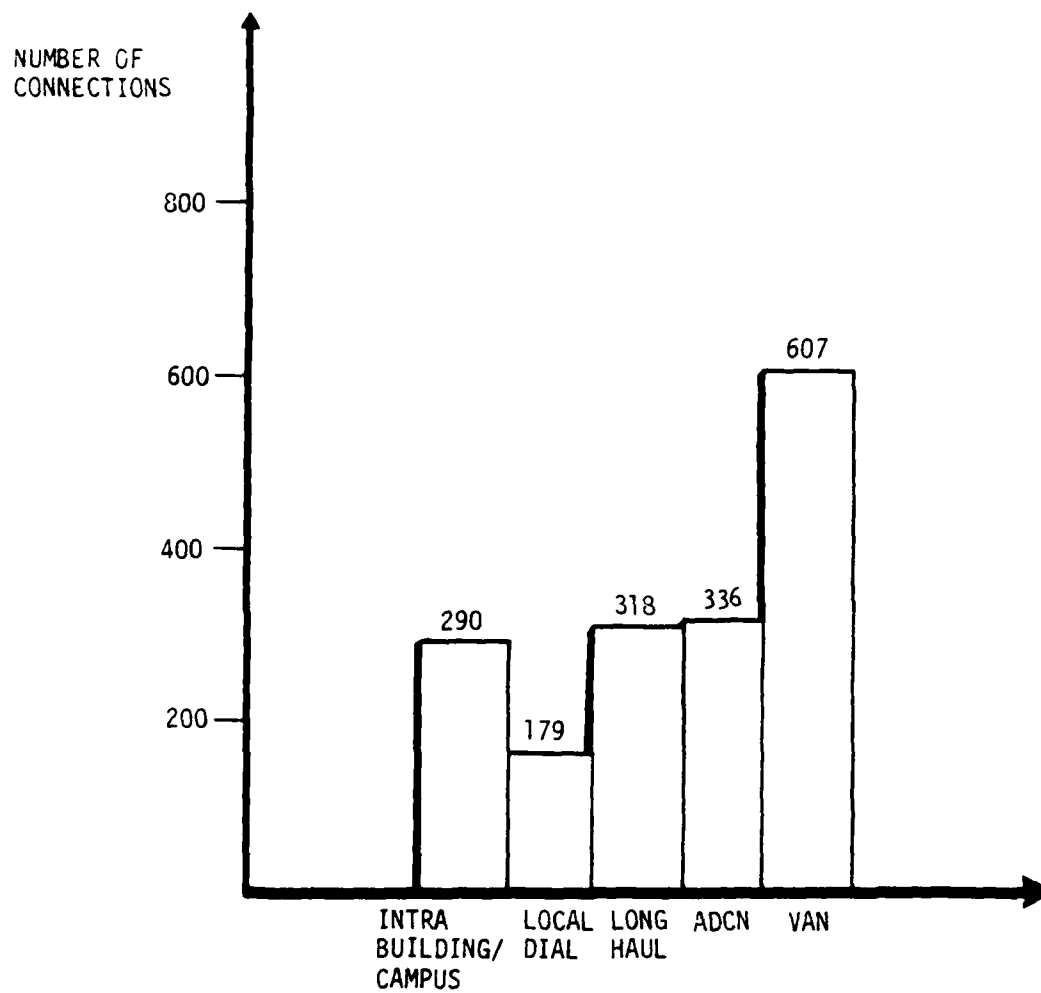


FIGURE 3.7: SUMMARIZED DOT DATA COMMUNICATIONS (1983)

ADMINISTRATIONS	TERMINAL ACCESS				
	INTRA- BUILDING/ CAMPUS	LOCAL	LONG* HAUL	ADCN	VAN
OST	166	19	-	-	-
CG	-	-	78	-	527
FAA (Administrative)	81	-	96	336	-
FHWA	6	18	-	-	70
FRA	16	19	-	-	-
NHTSA	2	123	101	-	10
RSPA	-	-	36	-	-
UMTA	22	-	7	-	-
TOTAL	293	179	318	336	607

* Long haul access includes DDD, FTS and dedicated facilities.

FIGURE 3.8: DOT DATA COMMUNICATIONS (1983)

DOT users access two major agency computer systems: 1) Transportation Computer Center (TCC); and 2) FAA Aeronautical Computer Center. A third complex, CG Operational Computer Center (OCC) is scheduled to operate shortly. As of 1983, DOT computer systems are planned to provide processing support to approximately 80 percent of DOT users. Several smaller DOT systems also provide processing support to approximately 7 percent of the agency user population. The remaining requirements are provided by time-sharing services. In particular, NHTSA accounts for half of all time-sharing use. With the exception of CG and FHWA, all administrations utilize the services of time-sharing systems. The most common vendors include: Informatics, Boeing, McAuto, Bowne and 1st Data. Figure 3.9 displays the number of terminals supported by each system.

Summarized data communications for each administration are as follows:

- OST and UMTA connections are predominantly intrabuilding access to TCC.
- CG currently operates a dedicated teletype network; plans anticipate the use of a VAN to satisfy future communications with TCC and OCC.
- FAA operates a private multiplexed network, Advanced Data Communications Network (ADCN), to support remote access to the FAA administrative computer center.
- NHTSA data communications are a mix of local dial and long haul access to time-sharing facilities.
- RSPA users access the Transportation System Center (TSC), a DOT computer complex, in Cambridge, MA; a multiplexed, dedicated line is utilized.
- FHWA users are primarily local to headquarters and accordingly access TCC via local dial or intrabuilding connections; within the near future, remote communications will be supported by a VAN.
- FRA communications consist of local dial access to time-sharing facilities and intrabuilding connections to TCC.

DOT traffic is predominantly interactive. Most users access a single host site. Transmissions are predominantly 110-300 bps or voice grade 1200-2400 bps speeds.

ADMINISTRATIONS	COMPUTER SYSTEMS					TOTAL
	TCC	FAA	OCC	OTHER* DOT SYSTEMS	TIME- SHARING	
OST	166	-	-	-	19	185
CG	38	24	455	88	-	605
FAA (Administrative)	-	417	-	-	96	513
FHWA	95	-	-	-	-	95
FRA	-	-	-	16	19	35
NHTSA	-	-	-	-	176	176
RSPA	-	-	-	7	29	36
UMTA	22	-	-	-	7	29
TOTAL	321	441	455	111	346	1,674

FIGURE 3.9: DOT COMPUTER SYSTEM SUPPORT (1983)

SECTION 4

INDIVIDUAL ADMINISTRATIVE REQUIREMENTS

The following Department of Transportation offices and administrations are reviewed:

- Office of the Secretary (OST) Section 4.1
- Coast Guard (CG) Section 4.2
- Federal Aviation Administration (FAA) Section 4.3
- Federal Highway Administration (FHWA) Section 4.4
- Federal Railroad Administration (FRA) Section 4.5
- National Highway Traffic and
Safety Administration (NHTSA) Section 4.6
- Research and Special Projects
Administration (RSPA) Section 4.7
- Urban Mass Transit Administration (UMTA) Section 4.8

Summarized functional, data transmission and data communications requirements are subsequently presented for each office and administration. Detailed administrative requirements are presented in Appendix A.

4.1. OFFICE OF THE SECRETARY (OST)

The Department of Transportation is administered by the Secretary of Transportation, who is the principal assistant to the President in all matters relating to federal transportation programs. The Office of the Secretary focuses its attention largely on policy formulation, resource allocation, interagency coordination and program evaluation. Accordingly, the data communications requirements of OST correspond to those functions.

The Transportation Computer Center (TCC) is located in Washington, DC. While organizationally within OST, TCC's multidisciplinary technical staff provides support to all DOT administrations. TCC supports the processing requirements of all DOT administrations with the exception of the bulk of FAA's processing requirements which are supported by its own computer center in Oklahoma City, Oklahoma.

OST currently maintains approximately 200 data terminals, all installed within Washington headquarters; Figure 4.1 summarizes OST systems. The largest portion of the devices (60 percent) are operated as part of the Transportation Automated Office System (TAOS).

TAOS, an office automation system which provides intrabuilding communications to DOT headquarters, is maintained by TCC for primary use by OST. Approximately 120 TAOS terminals are operational with plans to expand support to other administration offices within headquarters and, eventually, to remote sites. The emphasis of this study is on national systems, however, because of the relatively large size and potential remote communication requirements of the system, TAOS is included for review.

The remaining OST terminals are utilized as follows: 50 terminals dedicated to TCC use and the remaining 20 devices used directly by OST for local access of time shared systems within the Washington, DC metropolitan area.

An overview of TCC systems is presented, followed by a discussion of current OST data transmission characteristics and data communications requirements. Projected OST requirements are unspecified at this time.

4.1.1 Transportation Computing Center

The TCC is located within the DOT headquarters building in Washington, DC. The responsibility of the center is to provide ADP support to the administrative DOT programs.

<u>PROGRAM</u>	<u>TERMINAL</u>		<u>DATA</u>		<u>HOST</u>
	<u>TYPE</u>	<u>NO.</u>	<u>COMMUNICATIONS</u>		
GENERAL ADMN	Misc.	19	Local Dial		Multiple Time Share Services
		50	Hardwired		TCC
TAOS	VT100	116	Hardwired		TCC
		185			

All terminals are located at the DOT headquarters building in Washington, D.C.

FIGURE 4.1: SUMMARIZED OST REQUIREMENTS

Accordingly, the TCC computer systems can be classified into three categories which are defined by the program applications which they process:

- General Administrative System
- Coast Guard Administrative System
- Transportation Automated Office System (TAOS)

Figure 4.2 summarizes the three DOT systems according to the primary system users, equipment type and communications characteristics. Each system is subsequently discussed in more detail.

4.1.2 General Administrative System

TCC operates a general system which processes information for all DOT Administrations. However, primary support is provided for FHWA, NHTSA, UMTA and OST. Dual AMDAHL/470V host computers operate with two COMTEN 3690 front end processors (FEP). The FEPs provide total redundancy through a communications switch.

The COMTEN FEP is a microprogrammable processor which accommodates line interfaces to support up to 128 communications lines per front end. A maximum of four COMTEN FEPs are physically attachable which allows for expansion up to 512 lines. Asynchronous lines up to 19.2K bps and synchronous lines up to 56K bps are supported. EIA RS 232C, current loop, wide band and DDS are supported in full- or half-duplex modes. Binary synchronous communications (BSC) and SDLC protocols are supported.

Remote access of the AMDAHL system is predominantly via dial-in connections (approximately 80%). Bell 202 and 208 modems are presently utilized. However, TCC plans to convert to Bell 212 type devices. Presently, there is no monitoring of incoming traffic, however, plans also include the installation of a monitoring system to track traffic load distributions. One hundred and twelve dial ports and twenty-nine dedicated ports are operated.

Computer-to-computer communications are also supported. A 4.8K bps link connects the FAA IBM computer system in Oklahoma City, Oklahoma to the AMDAHL machines in Washington, DC. TCC representatives anticipate an increased requirement for remote computer communications in the future.

<u>SYSTEM</u>	<u>PRIMARY USERS</u>	<u>HOST</u>	<u>COMMUNICATIONS</u>
General	FHWA, NHTSA, UMTA, OST	AMDAHL 470 COMTEN 3690 FEP	Predominantly Dial
CG	CG	CDC 3300 KET 350	Predominantly Dial
TAOS	OST	DEC 1170	Direct wire Short haul dial

FIGURE 4.2: TCC SYSTEMS

4.1.3 Coast Guard Administrative System

A second computer system is dedicated to the support of Coast Guard administrative applications. Dual CDC 3300 machines operate with a Kleffman Electronic Teknalysis (KET) 350 FEP.

The KET front end was custom designed for Coast Guard use. Two high speed rotaries and a low speed rotary are used. A dedicated 9.6K bps dedicated short haul link between CG headquarters (DC) and TCC provides access for CG terminals. EIA RS 232C is supported in half-duplex modes. A modified version of UNIVAC's UT200 communications protocol is employed.

Computer-to-computer communications are also supported. A 4.8K bps link connects the Riverdale, Maryland computer center (pay and personnel) to TCC.

4.1.4 Transportation Automated Office System

TAOS is an office automation system which provides intrabuilding DOT headquarters communications. Capabilities of the system include: electronic mail, automated calendar, electronic phone logging, automated directories and word processing. The primary user of TAOS is OST. However, longer range plans project expansion of the system to include all DOT administrations and remote communications.

TAOS is supported by a complex of 3 DEC 1170 computers. DEC VT-100 compatible alphanumeric display terminals with electrothermal printers are used. Building terminals access the hosts via direct wire or short haul modem connections. Two dial-up ports are also available for remote interconnection.

4.1.5 OST Data Transmission Characteristics

OST maintains 185 terminals. All devices are located in Washington, DC within the DOT headquarters building. One hundred and sixteen terminals are utilized by TAOS. The terminals are DEC VT100 compatible programmable devices. Transmissions are asynchronous.

The remaining OST terminals are utilized for general administrative processing. Fifty devices, IBM 3270 compatible equipment, are operated for use by TCC. IBM devices are operated asynchronously. The other administrative terminals are a mix of teleprinters and

alphanumeric display units, which are utilized to process application programs on time shared systems. Transmissions are low-speed (300-1200 bps), asynchronous communications. An ASCII transmission code is employed.

4.1.6 OST Data Communications

OST data communications are supported via two types of facilities:

- hardwired, intrabuilding connections
- local, dial-up access

TAOS terminals are predominantly hardwired to the DEC computer system within TCC. Several dial-in ports are available to TAOS users for access from remote locations. Presently, a one-one port-to-terminal relationship exists in the TAOS system. TCC is, however, investigating the use of portsharing devices with priority systems in anticipation of system expansion and an associated increased user population.

The administrative terminals (IBM 3270 compatible) dedicated to TCC use access the AMDAHL computer complex via hardwired, intrabuilding cable connections. The remaining administrative terminals access a variety of time share vendors including: Control Data Corporation (CDC), Boeing, Bowne, Tymshare and First Data. The vendor systems are primarily located within the Washington, DC metropolitan area; consequently, access is via low-speed, dial connections.

4.2 U.S. COAST GUARD (CG)

U.S. Coast Guard data communications requirements can be categorized according to two classes of transmissions:

- **Administrative**
- **Operational**

Current administrative and operational data processing and data communications activities are supported by the Transportation Computer Center (TCC) in Washington, DC. The projected 1983 CG requirements, however, will involve significant terminal changes and additions because of growth in administrative and operational applications. The Coast Guard environment is anticipated to become dichotomized. Administrative processing will primarily be performed by the TCC; two smaller inventory and civilian personnel systems will be supported by other computing centers. A fourth center, the Operational Computer Center (OCC), is being implemented to support operational applications exclusively. The functional evolution of the Coast Guard data communications environment is portrayed in Figure 4.3; major CG systems are identified.

The CG currently operates 32 terminal devices. Plans indicate substantial growth through 1983 with an expected terminal population of approximately 600 devices. Figure 4.4 graphically portrays the projected growth trends of the CG. Appendix A reports in detail existing and projected terminal locations. Each application grouping, administrative or operational, is subsequently discussed according to existing or projected status.

4.2.1 Existing CG Programs

Thirty-two CG terminals, geographically dispersed across the Continental and Noncontinental United States (CONUS and NONCONUS, respectively), are operational. The distribution of these devices, between administrative and operational programs, is depicted in Figure 4.5.

EXISTING COAST GUARD SYSTEM

Transportation
Computer
Center
(TCC)

Administrative

District ADMN Systems

Operational

Search and Rescue Systems (SARS)

1983 COAST GUARD SYSTEM

Transportation
Computer
Center
(TCC)

Administrative

District ADMN Systems

Joint Uniform Pay and Personnel System
(JUMPPS)

Aircraft Repair
Supply Center
(ARSC)

Inventory/Accounting Systems

FAA
Computer
Center

Personnel Management Information System (PMIS)
(This is a DOT-wide system)

Operational

Operational
Computer Center
(OCC)

Search and Rescue Systems (SARS)

Marine Safety Information System (MSIS)

FIGURE 4.3: COAST GUARD FUNCTIONAL OVERVIEW

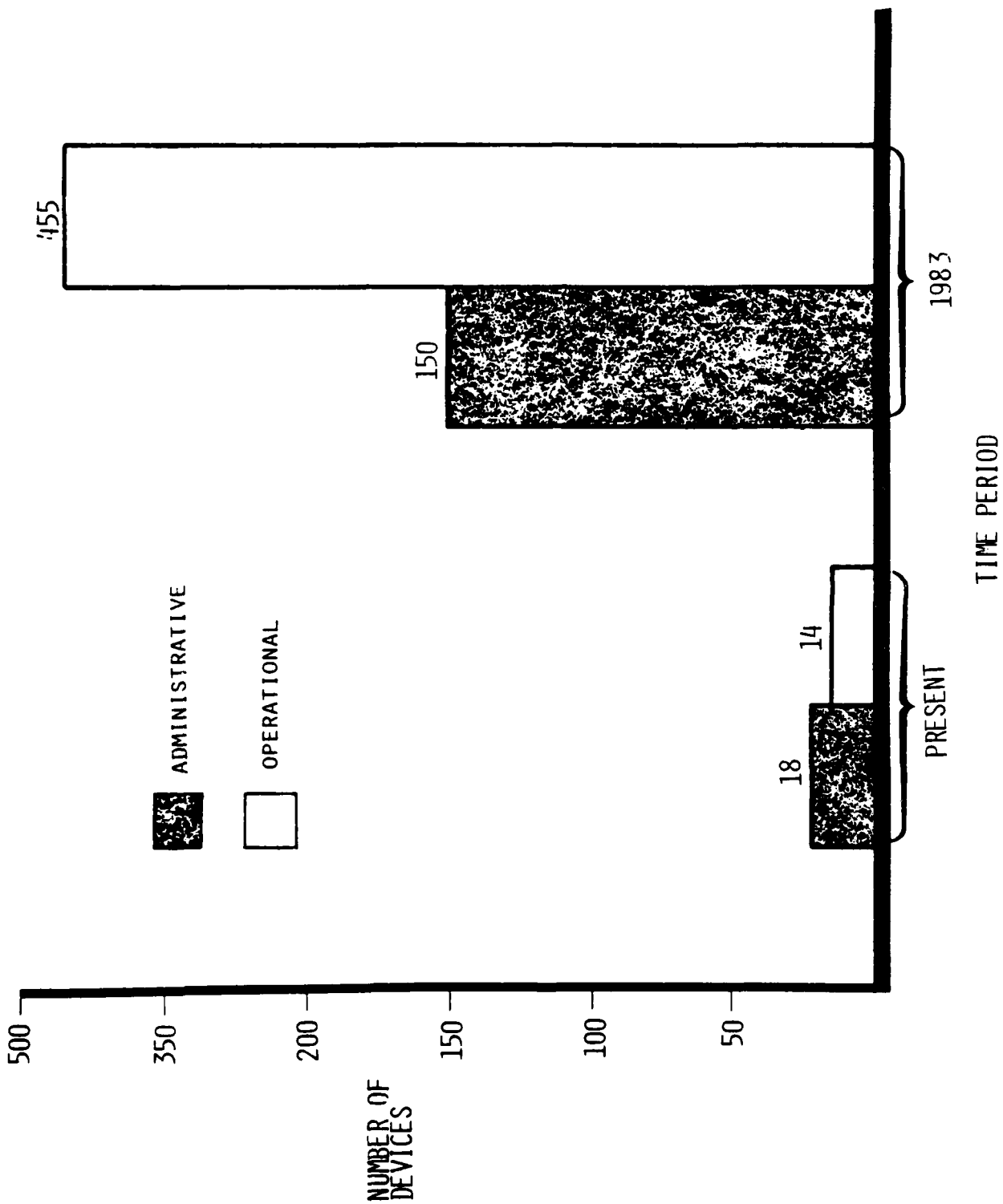


FIGURE 4.4: COAST GUARD TERMINAL DISTRIBUTION

<u>PROGRAM</u>	<u>TERMINAL TYPE</u>	<u>NO.</u>	<u>DATA COMMUNICATIONS</u>	<u>PRIMARY HOST</u>
<u>Administrative</u>				
District ADMN	RJE	18	FX Dedicated DDD WATS	TCC
<u>Operational</u>				
Search and Rescue (SAR)	TP	<u>14</u>	Dedicated	TCC
	TOTAL	32		

FIGURE 4.5: SUMMARY OF EXISTING COAST GUARD
REQUIREMENTS (1981)

4.2.1.1 Existing Administrative Programs

The CG administrative system consists of 18 RJE terminals located at various district offices. The equipment is Data 100/78 remote batch devices. Transmission of data is synchronous at 2400 bps. Administrative terminals access two CDC 3000 computers located at the TCC in Washington, DC. Access is primarily via FX circuits. However, the Seattle, Los Angeles and Long Beach offices share a dedicated, multiplexed 9600K bps circuit. Furthermore, Alaska and Hawaii are supported by DDD and WATS connections, respectively.

4.2.1.2 Existing Operational Programs

The operational programs of the CG support the Administration's Search and Rescue (SAR) systems. The largest SAR program is the Automated Mutual Vessel Reporting System (AMVER); a data base housed at TCC which tracks vessel related information. Two segregated teletype networks provide connectivity for CG district offices to access AMVER. The two networks, SARLANT and SARPAC, serve the Atlantic and Pacific Ocean areas, respectively. As the networks are configured each Coast Guard district has its own local teletype loop; field offices transmit information to district offices for processing at the TCC.

The AMVER system consists of 14 teletype terminals, however, CG plans include phasing out of the machines by 1981-1982. The teletype devices will be replaced by higher speed (1200 bps) terminals. Furthermore, when the upgrading occurs the higher speed equipment is planned to interface with the OCC in Governors Island, New York. A low speed link between the TCC and OCC computer systems will provide the necessary access to the TCC data base. The computer-to-computer link will be asynchronous to avoid emulation of the CDC 200-UT protocol at OCC.

4.2.2 Projected CG Programs

The CG currently processes all administrative and operational applications at the DOT facility in Washington, DC. The processing workload for operational applications will gradually be shifted to the OCC as that center is implemented, while administrative applications will primarily remain at the TCC.

Eight applications, with approximately 605 devices are projected to be operational by 1983. The terminals are distributed between application categories as: Administration - 455 and Operational - 150. Figure 4.6 reports the distribution of the projected CG data communications requirements.



FIGURE 4.6: COAST GUARD TERMINAL DISTRIBUTION (1983)

Coast Guard terminals are predominantly located within the Continental United States (CONUS). Approximately 8 percent of the Administration's terminals are located in Washington, DC, the headquarters of the Coast Guard. Eighty-seven percent of the devices are scattered throughout the rest of the CONUS. The remaining few devices are located at Noncontinental United States (NONCON) sites. Figure 4.7 presents the distribution of Coast Guard terminal sites.

4.2.2.1 Projected CG Administrative Programs

The projected administrative system is planned as 150 devices located at geographically dispersed sites. The increase of terminals from the present 32 devices represents a growth of 118 terminals. Four administrative programs include:

- District ADMN
- Joint Uniform Pay and Personnel System (JUMPPS)
- Aircraft Repair and Supply Center System (ARS)
- DOT-Wide Personnel Management Information System (PMIS)

The four administration applications are subsequently discussed for specific equipment and data communications requirements. Administrative requirements are summarized in Figure 4.8.

4.2.2.1.1 District ADMN

The District ADMN system is planned to remain essentially unchanged. No significant equipment or data communications changes are anticipated. The 18 RJE terminals, located at district and headquarter offices will continue to access the TCC via FX, dedicated or dial facilities.

LOCATION DISTRIBUTION

<u>PROGRAM</u>	<u>HDQTS</u>	<u>CONUS (NONHDQTS)</u>	<u>NONCONUS</u>	<u>TOTAL</u>
Administrative	32	97	21	150
Operational	31	403	21	455
TOTAL	63	500	42	605

FIGURE 4.7: COAST GUARD TERMINAL LOCATION DISTRIBUTION (1983)

<u>PROGRAM</u>	<u>TERMINAL TYPE</u>	<u>NO</u>	<u>DATA COMMUNICATIONS</u>	<u>PRIMARY HOST CENTER</u>
District ADMN	RJE	18	FX Misc Dial Dedicated	TCC
JUMPPS				
Batch	RJE	60	Dial	PPSC
I/R	A/N	20	VAN	TCC
Aircraft Repair and Supply Center (AR&SC)	A/N	28	VAN	ARSC
DOT-wide PMIS	A/N	24	VAN	FAA
TOTAL		150		

FIGURE 4.8: PROJECTED COAST GUARD ADMINISTRATIVE REQUIREMENTS (1983)

4.2.2.1.2 JUMPPS

The Joint Military Pay and Personnel System is projected to become operational during 1981. JUMPPS will perform entry and transmission of batch data to the Military Pay Center (MPC) which is situated at Riverdale, Maryland. During the 1981-1982 timeframe, the facility will be moved to a site yet to be selected. Data collection at the MPC will be transmitted, via a high speed host-to-host link, to the TCC. In addition to the remote batch operation planned for JUMPPS, troubleshooting, auditing, and investigations will be performed by CRT terminals in an inquiry/response mode.

A total of 80 JUMPPS devices are planned for installation by 1983. The terminals are distributed as 60 batch and 20 I/R devices. JUMPPS devices account for 55 percent of all administrative terminals.

JUMPPS (BATCH). Sixty Sycor Basic 300/340 (or equivalent) terminals are planned to support JUMPPS batch communications. Transmissions are to be sent as full duplex, asynchronous, dial communications. Transmission speed will be 1200 bits per second (b/s). An ASCII 7 bit code will be employed. An approximate time frame for JUMPPS batch terminal acquisitions is:

1981 - 26

1983 - 34

These estimates are, however, subject to funding approval.

The 26 units are anticipated to be installed by the close of 1981. All terminal sites will operate a single device with the exception of the Coast Guard headquarters in Washington, DC, which will operate 6 terminals. By the close of 1983 an additional 34 units will be installed among units with 50-200 personnel files. Stations with less than 50 files would continue to process forms manually. The set of projected 1983 locations is incomplete; approximately 45 percent of the total projected locations have been identified.

JUMPPS INQUIRY RESPONSE (I/R). A total of 20 alphanumeric terminals will be installed to perform auditing, investigations and trouble-shooting of JUMPPS information. Queries will initially be sent via a Value Added Network (VAN), directly from a given location to the TCC. If the answer is too complex the query will be redirected to the MPC and personnel more familiar with the pay system will access the IBM 360s as needed.

OMRON 8025/8030 display terminals (or equivalent) are planned to be used for JUMPPS I/R communications. Transmissions will be asynchronous, half-duplex 1200 b/s communications. The 20 devices will be geographically dispersed across the United States.

4.2.2.1.3 Aircraft Repair and Supply Center System (ARSC)

The ARSC system will provide aviation inventory and accounting control as well as engineering statistics and management information for all Coast Guard Air Stations. ARSC users will access a Burroughs computer complex located at the Aircraft Repair and Supply Center in Elizabeth City, North Carolina.

A total of 28 geographical dispersed devices are planned for installation by 1981. Each ARSC site will operate a single device. Terminals are planned as alphanumeric display units, however, exact models are unknown at this time. Communications will be asynchronous, 1200 bps messages. A VAN will be used.

4.2.2.1.4 Personnel Management Information System (PMIS)

PMIS is the Coast Guard portion of the civilian personnel system operated agency-wide by DOT. (The PMIS system is discussed in detail in Section 4.4.) Various personnel action forms will be inputted from remote Coast Guard locations, processed and retransmitted to those locations. Processing will be performed at the FAA Aeronautical Center in Oklahoma City, Oklahoma by a complex of IBM computers.

Twenty-four PMIS terminals are anticipated to be distributed among remote sites. The devices are planned as alphanumeric units, however, exact manufacturer and models are unknown. Transmissions will be asynchronous, 1200 bps communications. A VAN is planned for use.

4.2.2.2 Projected CG Operational Programs

The projected 1983 operational system is planned as approximately 450 terminals located at geographically dispersed sites. Additional terminals are planned for installation through 1985, however, have not been identified in the inventory because the time frame which has been considered is through 1983. Operational processing requirements are to be handled by the OCC, a new facility which is being established to support the data processing

needs of Coast Guard operational systems. Approximately 90 percent of operational communications are anticipated to be supported by a VAN.

Two operational programs are identified:

- Computerized Search and Rescue (SAR)
- Marine Safety Inspection System (MSIS)

The program categories are subsequently discussed for specific equipment and data communications requirements. Operational requirements are summarized in Figure 4.9.

4.2.2.2.1 SAR

Computerized search and rescue programs consist of three primary systems. The Automated Mutual Assistance Vessel Rescue (AMVER) System provides aid in the development and coordination of search and rescue efforts in international ocean areas. The Search and Rescue Planning (SARP) System is a computerized program that develops solutions to search planning problems. Computer Assisted Search Planning (CASP) is a series of computer programs that use simulation techniques to solve search planning problems.

One hundred and forty SARS terminals are planned to be operational by 1983. The existing 14 TTY devices will be replaced by higher speed devices. A multipoint polled network, 83B3, interfaced to the VAN network will provide communications to these devices.

The additional 126 terminals will provide support to Coast Guard groups, OPCENS, RCC's, headquarters and district offices. Furthermore, by 1985, CG air stations will install SAR devices.

SARS transmissions will be asynchronous, 1200 bps communications. A VAN will provide all networking support.

4.2.2.2.2 MSIS

MSIS is an integrated system that will allow Captains of the Port (COTP) and Officers in Charge of Marine Inspection (MIS) to employ their personnel resources to enforce safety and pollution regulations. Additionally, headquarters and district staffs will access the

<u>PROGRAM</u>	<u>TYPE</u>	TERMINAL <u>NO.</u>	<u>DATA COMMUNICATIONS</u>	<u>HOST CENTER</u>
SAR	A/N	140	VAN	OCC
MSIS	A/N	315	VAN	OCC
		—		
<u>TOTAL</u>		455		

FIGURE 4.9: PROJECTED COAST GUARD OPERATIONAL REQUIREMENTS (1983)

system for report generation and program evaluation. MSIS will be a data base driven system that employs screen generation to prompt the user community in inputting data. MSIS is currently under development. A prototype system is scheduled for completion shortly.

MSIS will be a highly interactive system that will support 315 terminal users. Users of the system are all COTP, Marine Safety Officers (MSO), MIS, district and headquarters marine safety offices and merchant marine technical branches.

Similar to other planned CG devices, MSIS equipment will be alphanumeric display units, transmitting asynchronous communications at speeds of 1200-2400 bps. Furthermore, a VAN will be used for remote communications between field offices and the OCC.

4.3. FEDERAL AVIATION ADMINISTRATION (FAA)

Ten FAA administrative data systems have been identified. Primary centralized computer support for these systems is provided by the FAA computer center in Oklahoma City, Oklahoma. The data communications requirements of the administration are classified according to two categories of systems: local and national. Local administrative systems operate exclusively at Oklahoma City and, accordingly require intrabuilding or short-haul interconnections. National systems, which operate within the Continental and Noncontinental United States (and also Oklahoma City) require long-haul communications to support remote data communications. The emphasis of this study is on the remote communications requirements of DOT and, hence, discussions will concentrate on national systems. However, local systems are identified for completeness. Figure 4.10 summarizes FAA data systems.

The FAA has also identified plans for several longer range data systems not identified in Figure 4.10. The data communications requirements for these planned systems are in the process of being formulated. Consequently, the planned systems are qualitatively discussed, however, exact data transmission and data communications characteristics are not identified.

Two FAA data systems planned for introduction over the next 3-5 years reflect a trend within administrative operations to capture data directly in field locations and electronically transmit the information to regional offices.

An Enforcement Information System (EIS) is presently being tested in the ASO FAA site. Safety information is being collected from various field offices, general aviation district offices, security districts and engineering districts. The information is sent to the regional office and subsequently transmitted to the FAA Aeronautical Center via dial-up connections. EIS potentially will support up to 250 terminal devices in 170 remote field locations.

The second system is planned to offload processing requirements of Air Route Traffic Control Centers (ARTCC) and major aircraft towers. Minicomputers will be used to process applications such as watch schedules, time and attendance records and word processing. The program is presently under test in the AWE FAA site. Similar to EIS, field offices transmit data to regional locations which, in turn, send information to the aeronautical center.

<u>SYSTEM</u>	<u>CATEGORY</u>	<u>STATUS</u>
1. Consolidated* Airman Information System (CAIS)	Local	Operational
2. Supply* (NSTP)	Local	Operational
3. Depot Support* (DSTP)	Local	Operational
4. Aircraft Management Information System (AMIS)	National	Operational
5. Personnel Management Information System (PMIS)	National	Operational
6. Uniform Payroll System (UPS)	National	Operational
7. National Flight Data Center (NFDC)	National	Operational
8. Instrument Approach Procedure Automation (IAPA)	National	Partially operational
9. Uniform Accounting System (UAS)	National	Planned (1983)
10. PLATO	National	Planned (1983)
* Not in Data Base.		

FIGURE 4.10: FAA DATA SYSTEMS

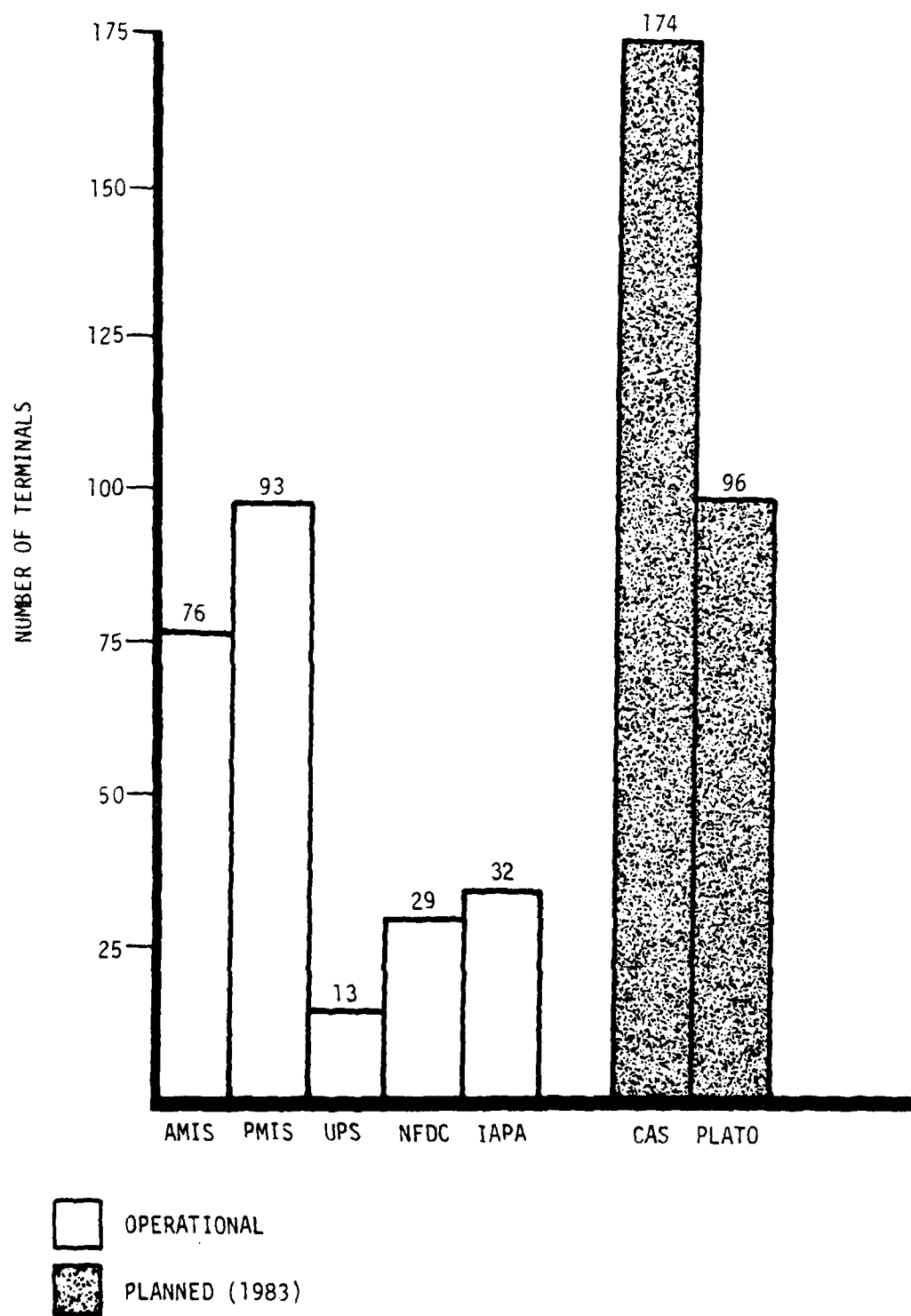


FIGURE 4.11: FAA ADMINISTRATIVE TERMINAL DISTRIBUTION

<u>SYSTEM</u>	<u>TERMINAL</u>		<u>SPEED (bps)</u>	<u>DATA</u>		<u>PRIMARY</u>
	<u>TYPE</u>	<u>NO.</u>		<u>COMMUNICATIONS</u>		<u>HOST</u>
AMIS	Telex 272	76	2400	ADCN		FAA IBM370/155
PMIS	Incoterm 10/20	93	2400	ADCN		FAA IBM370/155
UPS	IV Phase	13	4800	ADCN		FAA IBM370/155
NFDC	Hazeltine 2000	28	300	ADCN		FAA IBM370/155
	Harris	1				
IAPA	A/N	22	2400	ADCN		FAA IBM370/155
	Graph	10	4800			
UAS	A/N	174	-	ADCN		FAA IBM
PLATO	A/N	<u>96</u>	-	FTS		University of Delaware
		513				

FIGURE 4.12: FAA ADMINISTRATIVE TERMINAL CHARACTERISTICS

A third system will provide outage information to FAA headquarters through remote monitoring of air field sites. The plans for this system are in the very preliminary stages and, hence, exact functional requirements are unspecified at this time.

Approximately 250 FAA administrative terminals are currently maintained with plans of growth to an excess of 500 devices by 1983. The distribution of terminals among FAA data systems is depicted in Figure 4.11. As illustrated, the Aircraft Management Information System (AMIS) and the Personnel Management Information System (PMIS) are the largest operational programs. Collectively, AMIS and PMIS account for approximately 70 percent of FAA administrative data systems. Two relatively large proposed systems, Uniform Accounting System (UAS) and PLATO, are anticipated to maintain approximately 125 and 100 terminal devices, respectively. The systems, in the early stages of implementation, are anticipated to become fully operational toward the latter part of 1983.

FAA terminal devices are a mix of A/N, graphic, RJE and programmable units as shown in Figure 4.12.

4.3.1 FAA Aeronautical Center

The FAA Aeronautical Center, located in Oklahoma City, Oklahoma, is the computing facility accessed by most administrative systems. The aeronautical center operates two IBM System 370/155 and 4341 computer systems to support FAA administrative data processing requirements. These two systems operate under IBM's Operating System/Multiple Variable Tasking (OS/MVT). FAA users access the IBM computer complex remotely through COMTEN 3670-L1 and 3670-E1 front end processors. In addition to the IBM systems, the aeronautical center operates a DEC minicomputer for IAPA users.

4.3.2 Administrative Data Communications Network (ADCN)

FAA operates the Administrative Data Communications Network (ADCN) in support of national administrative systems. In particular, five primary system users include: AMIS, PMIS, UPS, IAPA and NFDC. Furthermore, a national FAA accounting system, UAS, is planned to be integrated into ADCN within the near future.

The ADCN is a multiplexed network which provides continuous communications support to FAA administrative systems. Point-to-point dedicated lines, at speeds ranging from 2.4 - 9.6K bps, connect regional headquarters with the FAA Aeronautical Center in Oklahoma City. Fifteen FAA remote sites are serviced by ADCN; five of the sites operate multiplexor equipment. Figure 4.13 illustrates the ADCN network topology.

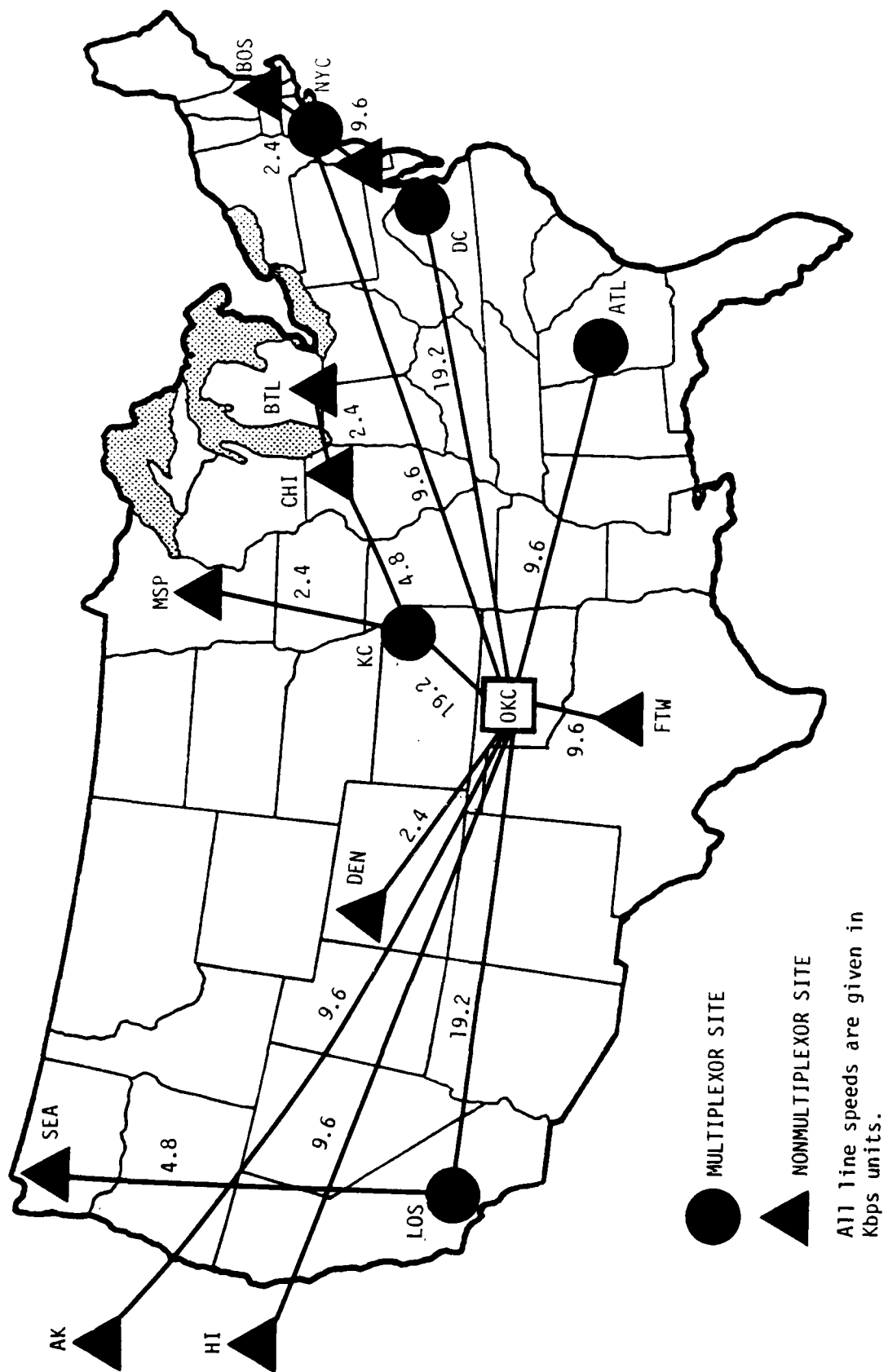


FIGURE 4.13: FAA ADMINISTRATIVE DATA NETWORK

A mix of Codex statistical multiplexors provide line sharing capabilities for ADCN users. Codex 6010 supports a maximum of thirty, low-speed, asynchronous incoming lines; the maximum allowable output line speed is 9.6K bps. Codex 6030 multiplexors support sites with greater throughput requirements. One hundred twenty four low-speed, input lines and a 19.2K bps output line are maximum.

Fifteen ADCN sites support 243 FAA administrative terminals. Washington, DC and Oklahoma City sites maintain the largest operation of terminals and accordingly, are responsible for the largest volume of activity. Washington operates 70 devices (30 percent of total) and Oklahoma City operates 48 terminals (20 percent of total). The locations of FAA terminals categorized according to ADCN site are depicted in Figure 4.14. PMIS and AMIS, the largest application users, account for 93 terminals (40 percent of total) and 76 terminals (28 percent of total), respectively.

The planned integration of the Uniform Accounting System (UAS) into ADCN will result in increased traffic loading to the network. As a consequence, an additional multiplexor will be installed in service locations to support UAS requirements. Furthermore, the increased loading will also necessitate the installation of an additional Codex device in Washington, DC. Figure 4.15 summarizes the 1983 FAA terminal population by ADCN site.

Traffic transmitted via the ADCN is primarily interactive or transaction mode. However, batch transactions are sent during nonpeak hours. Dial backup is provided via the network.

4.3.3 Aircraft Management Information System (AMIS)

AMIS is a national system which tracks maintenance, management, operational and inventory information concerning FAA owned (and rented) aircraft. The AMIS data base, housed at the FAA Aeronautical Center, contains statistics such as: facility scheduling, aircraft status, flight logs, reliability and performance profiles, maintenance schedules and fuel usage. Users of the AMIS system include the National Field Office, Aircraft Service Bases, Technical Center and Flight Standards Divisions.

Seventy-six AMIS terminals are operated. The terminals, alphanumeric units and low-speed printers, are distributed across 10 flight inspection offices. All terminals access the IBM 370 computer complex in Oklahoma City via the ADCN.

<u>LOCATIONS</u>	<u>APPLICATIONS</u>					<u>TOTAL</u>
	<u>AMIS</u>	<u>PMIS</u>	<u>UPS</u>	<u>NFDC</u>	<u>IAPA</u>	
Anchorage, AK	6	3	1	-	3	13
Atlantic City, NJ	4	3	1	-	3	11
Atlanta, GA*	4	5	1	-	3	13
Boston, MA	-	5	-	-	-	5
Battle Creek, MI	4	-	-	-	3	7
Chicago, IL	-	5	-	-	-	5
Denver, CO	-	3	1	-	-	4
Ft. Worth, TX	-	5	1	-	-	6
Honolulu, HI	6	2	1	-	3	12
Kansas City, MO*	-	3	1	-	-	4
Los Angeles, CA*	4	4	1	-	3	12
Minneapolis, MN	4	-	-	-	3	7
NYC, NY*	-	5	2	-	-	7
OKC, OK*	34	9	1	-	7	51
Seattle, WA	4	3	-	-	3	10
Washington, DC*	6	38	2	29	1	76
TOTAL	76	93	13	29	32	243

* Multiplexor Sites

FIGURE 4.14: FAA TERMINAL LOCATIONS BY ADCN SITE (1981)

<u>LOCATIONS</u>	<u>APPLICATIONS</u>						<u>TOTAL</u>
	<u>AMIS</u>	<u>PMIS</u>	<u>UPS</u>	<u>NFDC</u>	<u>IAPA</u>	<u>CAS</u>	
Anchorage, AK	6	3	1	-	3	7	20
Atlantic City, NJ	4	3	1	-	3	12	23
Atlanta, GA*	4	5	1	-	3	16	29
Boston, MA	-	5	-	-	-	2	7
Battle Creek, MI	4	-	-	-	3	-	7
Chicago, IL	-	5	-	-	-	2	7
Denver, CO	-	3	1	-	-	2	6
Ft. Worth, TX	-	5	1	-	-	16	22
Honolulu, HI	6	2	1	-	3	4	16
Kansas City, MO*	-	3	1	-	-	16	20
Los Angeles, CA*	4	4	1	-	3	24	36
Minneapolis, MN	4	-	-	-	3	-	7
NYC, NY*	-	5	2	-	-	20	27
OKC, OK*	34	9	1	-	7	30	81
Seattle, WA	4	3	-	-	3	2	12
Washington, DC*	6	38	2	29	1	21	97
TOTAL	76	93	13	29	32	174	417

* Multiplexor Sites

FIGURE 4.15: FAA TERMINAL LOCATIONS BY ADCN SITE (1983)

4.3.3.1 AMIS Data Transmission Characteristics

AMIS terminal devices are a mix of Telex alphanumeric and printer devices controlled by Telex 271 controllers. All devices are IBM 3270 compatible. The devices transmit 2400 bps, synchronous communications. An ASCII code is employed. The 76 devices are distributed as 39 CRT terminals and 37 printers. Figure 4.16 summarizes the AMIS data transmission scheme.

AMIS terminals are located at nine Continental and Noncontinental United States sites. The largest concentration of terminals (approximately 50 percent) is at the aeronautical center in Oklahoma City.

4.3.3.2 AMIS Data Communications

Remote AMIS data communications are supported by the ADCN. AMIS terminals are polled via INTERCOM polling scheme initiated by an IBM host at the FAA computer center. Traffic is predominantly interactive.

4.3.4 Personnel Management Information System (PMIS)

The Personnel Management Information System (PMIS), the largest of all FAA administrative systems, supports centralized data processing of personnel data for all DOT Administrations. Previously, PMIS was exclusively an FAA system, however, in accordance with recent DOT recommendations, system support has been expanded to include all Administrations. Processing, communications and application support is provided by the FAA Aeronautical Center in Oklahoma City. Centralized management of the system is an FAA headquarters responsibility.

PMIS data is mailed from field offices to regional sites for on-line inquiry/response and updating of personnel data bases. Inquiry-response communications are transmitted via ADCN. Bulk volume report data is sent in an RJE mode via FTS. Regional sites receive information on tape drives for off-line printing to low-speed devices or directly to RJE devices.

Ninety-three PMIS terminals are operated. The terminals, alphanumeric display units, are distributed among 14 FAA sites including regional headquarters, national headquarters and the FAA training center. Additionally, 20 CG PMIS terminals are planned for installation. The CG PMIS requirements are reviewed in Section 4.2.

NETWORK	DEDICATED, MULTIDROP FACILITIES
HOST	IBM 4341 OKLAHOMA CITY, OK
TERMINALS	TELETYPE 270 SERIES
DATA TRANSMISSION	2400 bps FDX ASCII (8 bit) SYNCHRONOUS

FIGURE 4.16: AMIS DATA TRANSMISSION SCHEME

4.3.4.1 PMIS Data Transmission Characteristics

PMIS terminal devices are a mix of INCOTERM and Harris programmable equipment. Transmissions are 2400 bps asynchronous and synchronous communications. ASCII and EBCDIC codes are employed. The PMIS data transmission scheme appears in Figure 4.17.

PMIS terminals are located at 14 Continental and Noncontinental sites. The largest concentration of terminals is at national headquarters in Washington, DC. Thirty-eight terminals transmit and receive personnel data for all DOT administrations.

4.3.4.2 PMIS Data Communications

Remote PMIS data communications are transmitted via the ADCN. PMIS terminals are polled via an IBM message control protocol initiated by the host machine in Oklahoma City. Traffic is predominantly interactive. However, batch reports are transmitted during nonpeak hours via leased line and dial-up connections.

4.3.5 Uniform Payroll System (UPS)

The Uniform Payroll System (UPS) is responsible for preparation and dispersal of checks and bonds for all DOT Administrations with the exception of Military Coast Guard, Alaska Railroad and St. Lawrence Seaway. Data received via the mail from remote sites is prepared from regional headquarters sites and transmitted to the aeronautical computer center. The FAA center subsequently prepares a tape which is mailed to Kansas City, Missouri for check production and dispersement. UPS processes payroll data for approximately 75,000 DOT employees.

Terminal devices are located in ten regional headquarters and national headquarters; thirteen devices are operated. Terminals access the FAA computer center in Oklahoma City via the ADCN.

4.3.5.1 UPS Data Transmission Characteristics

UPS equipment are primarily four phase system intelligent terminal devices. UPS transmissions are 2400-9600 bps, synchronous communications. An EBCDIC transmission code is employed. Figure 4.18 summarizes UPS data transmission characteristics.

UPS terminals are located at eleven Continental and Noncontinental locations with terminals uniformly distributed across sites.

NETWORK	ADMINISTRATIVE DATA COMMUNICATIONS NETWORK (ADCN)
HOST	IBM 370/155 OKLAHOMA CITY, OK
TERMINALS	INCOTERM SPD 10/20 HARRIS 8171
DATA TRANSMISSION	2400 bps FDX ASCII/EBCDIC ASYNCHRONOUS/SYNCHRONOUS

FIGURE 4.17: PMIS DATA TRANSMISSION SCHEME

NETWORK	ADMINISTRATIVE DATA COMMUNICATIONS NETWORK (ADCN)
HOST	IBM 370/155 IBM 4341 OKLAHOMA CITY, OK
TERMINALS	FOUR PHASE IV/90
DATA TRANSMISSION	2400-4800 bps FDX EBCDIC SYNCHRONOUS

FIGURE 4.18: UPS DATA TRANSMISSION SCHEME

4.3.5.2 UPS Data Communications

Remote UPS data communications are transmitted via the ADCN. FTS is utilized as a dial backup capability. The transmission of UPS traffic, predominantly batch mode, corresponds to the biweekly pay schedule of DOT.

4.3.6 Instrument Approach Procedure Automation (IAPA)

The IAPA system, in the early stages of implementation, is an automated data base retrieval system for access of flight chart information. IAPA provides interactive receipt and transmission of flight data such as airport facility, fix and coordinate information. The computerized data base system replaces a manual system which is presently operational.

IAPA is currently installed and operated in two Flight Inspection Offices (FIFOs). Because of the increasing procedure development workload present at FIFOs, and the demonstrated ability of the IAPA system to materially reduce the processing cycle and manhours associated with the development of a procedure, the IAPA system will be implemented system-wide. The implementation of IAPA, planned as a phased installation, is anticipated to be completed by the close of 1981.

Approximately 30 IAPA terminals are planned for installation. The terminals, a mix of alphanumeric CRT and graphic devices, will access the FAA Aeronautical Center in Oklahoma City for processing of IAPA data. Transmissions will be primarily sent via the ADCN.

4.3.6.1 IAPA Data Transmission Characteristics

IAPA terminals are planned as a mix of alphanumeric cathode ray tubes and high speed graphic terminals. However, exact equipment types are unknown at this time. The graphic terminals will be supported with a 4800 bps channel while the alphanumeric devices will operate at 1200-2400 bps speeds (as appropriate to individual sites). Both terminal types transmit asynchronous communications.

A total of 32 terminals distributed among ten FAA sites are anticipated. The distribution of the terminals is: 22 alphanumeric and 10 graphic devices. Most sites are planned to operate at least two alphanumeric and one graphic terminal. All terminals will access a PDP 11 computer at the aeronautical center in Oklahoma City.

4.3.6.2 IAPA Data Communications

IAPA data communications are planned to be incorporated, in the most economical way, into the existing ADCN. IAPA lines will generally enter the mixed ADCN network, but in some cases may be initially configured outside the multiplexed trunks. On a long-range basis, all IAPA circuits will be optimized within the total network (along with other applications), and stand-alone circuits should correspondingly disappear. Also, on a longer-range basis, IAPA line speed requirements will be validated, and appropriate adjustments will be incorporated.

The integration of IAPA communications requirements into the ADCN necessitates the installation of an additional multiplexor. The existing trans-Pacific long-line loading to Oklahoma City is full. Thus, a Codex 6030 statistical multiplexor is to be placed at the Honolulu hubsite to accommodate the increased traffic.

4.3.7 Uniform Accounting System (UAS)

FAA is currently developing a uniform accounting system, UAS, to service regional headquarters and remote service sites. The standardized procedures will replace the existing, incompatible financial packages utilized by individual cost centers. UAS is planned as an inquiry response, automated accounting system which will allow users to input transactions, update files and receive reports. Centralized processing of accounting data will be performed by the IBM complex of computers at the aeronautical center.

UAS is in the beginning stages of development; complete implementation of the system is targeted for the 1982/1983 time frame. In-house testing has been and will continue to be performed at the aeronautical center. Upon validation of system performance remote sites will be phased into operation.

4.3.7.1 UAS Data Transmission Characteristics

One hundred twenty five alphanumeric terminals (IBM 3270 compatible) and 49 printers are projected to be installed at fourteen UAS sites. Exact design parameters of the terminals or controller devices are unknown at this time because of the early stages of the project.

4.3.7.2 UAS Data Communications

UAS users will access the FAA Aeronautical Center via the ADCN. Because of the substantial workload increase generated by the new system, significant impacts to the ADCN multiplexor and trunk lines are expected, however, unquantifiable at this time.

4.3.8 PLATO

PLATO is an on-line, interactive training system which facilitates the training of flight inspection mechanics through the use of computerized assisted instructions. The system is planned to operate on a rotating basis with primary and secondary sites exchanging the use of terminals approximately every six months.

The PLATO system is in the developmental stage and, consequently, exact terminal traffic and data communications requirements are unspecified. The system developed by the University of Delaware utilizes Control Data IST 2 terminals for testing. The display units, with 20K of memory, use a nonstandard ASCII code. Access to the University is presently via FTS facilities, however, future longer range plans anticipate the use of dedicated lines.

The newness of PLATO precludes precise identification of terminal locations. However, an approximate 1983 distribution is as follows:

Airway Facility Sector Offices	= 39
(Primary)	

Training Center	= 50
-----------------	------

Flight Inspection Office	= 7
--------------------------	-----

Longer range plans include an expansion of the PLATO system to 200-300 terminals. In addition to the above sites, devices are anticipated to be maintained by Air Traffic Control Centers, Category IV and V, Towers and Flight Service sites.

4.4 FEDERAL HIGHWAY ADMINISTRATION (FHWA)

The FHWA carries out the highway transportation programs of DOT and, in particular, is concerned with the total operation and environment of highway systems. Primary emphasis of the FHWA is the administration of federal aid highway programs. To this end, FHWA operates a variety of highway-related programs.

The FHWA administers the major Federal Aid to Highway programs which provide financial assistance to states for highway construction. Research and Development (R&D) activities provide program development support in FHWA. The Direct Federal Construction Program (DFC) provides design and engineering support to highway construction on Federal land. The Financial Management Information System (FMIS), in the early stages of implementation, tracks state highway funding obligations. The Bureau of Motor Carrier Safety (BMCS), which operates a vehicle tracking program, is also in the early stages of implementation.

Figure 4.19 summarizes FHWA programs. The administration is planning (by FY 1982) to operate 95 terminals. FMIS, the largest communications system, accounts for approximately 70 percent of all FHWA devices. Essentially all devices will be alphanumeric display units utilizing an asynchronous transmission scheme. Communications are voice-grade speeds via remote, dial and dedicated facilities to the TCC in Washington, DC. Approximately 90 percent of FHWA terminals are located within the Continental United States (CONUS); 7 percent of these devices are located within the Washington, DC headquarters building. Figure 4.20 presents the distribution of FHWA sites. The following subsections discuss data transmission and communications requirements of each program.

4.4.1 Research and Development (R&D)

R&D activities provide program development and analysis support to FHWA. Activity areas include traffic simulation, materials analysis, environmental and safety structures, and applied mechanics.

<u>PROGRAM</u>	<u>TERMINAL</u> <u>TYPE</u>	<u>NO.</u>	<u>DATA COMMUNICATIONS</u>	<u>HOST</u>
Research & Development (R&D)	UNIVAC 9300	1	Dedicated	TCC
Direct Federal	UNIVAC 9300	3		
Construction	VT/132	10	Dedicated	
(DFC)	GE Terminet 30	1	Dial-up via	TCC
	TEK 4014	3	FTS	
Financial Management	A/N			
Information System	(under	67	VAN	TCC
(FMIS)	solicitation)			
Motor Carrier	Lear Siegler			
Safety Investigation	ADM 42	10	VAN	TCC
	<u>TOTAL</u>	95		

FIGURE 4.19: SUMMARIZED FHWA REQUIREMENTS (1983)

<u>PROGRAM</u>	<u>LOCATION DISTRIBUTION</u>			<u>TOTAL</u>
	<u>HDQTS</u>	<u>CONUS</u>	<u>NONCONUS</u>	
R & D	-	1	-	1
Direct Federal				
Construction	-	17	-	17
Financial Management				
Information System	6	58	3	67
Motor Carrier				
Safety Investigation	1	9	-	10
<u>TOTAL</u>	7	85	3	95

FIGURE 4.20: FHWA TERMINAL LOCATION DISTRIBUTION (1983)

4.4.1.1 R&D Data Transmission Characteristics

A single R&D site is operated in McLean, VA. A Univac 9300 RJE terminal is used for transmission and receipt of analysis data. The terminal operates in a synchronous mode; transmission is half duplex.

4.4.1.2 R&D Data Communications

The Univac terminal accesses the TCC via a dedicated 9600 bps line.

4.4.2 Direct Federal Construction (DFC)

DFC activities consist of highway design and engineering programs. The major application is the Roadway Design System (RDS) which is an automated highway design program.

4.4.2.1 DFC Data Transmission Characteristics

Three DFC sites are operational with a total of 17 terminals. Each DFC site supports a Univac 9300 RJE for transmission of analysis data. The terminals operate in a synchronous mode at 9600 bps. Transmission is half-duplex.

Each of the three DFC center sites operates DEC VT/132 and Tektronix 4014 terminals. Additionally, the Vancouver DFC center operates a GE Terminet 30 device. Today, terminals are utilized primarily as alphanumeric display units for program development functions. However, future plans include the use of the Tektronix devices for graphic applications. The interactive terminals transmit asynchronous communications at 1200 bps. A half duplex transmission scheme is also employed.

FHWA representatives have indicated that longer range DFC plans include upgrading of remote computing capabilities. Existing RJE equipment at the three center sites are projected to be replaced with minicomputers which will also support automated drafting and engineering systems.

4.4.2.2 DFC Data Communications

DFC operates both dial-up and dedicated lines. The UNIVAC RJE terminals, predominantly supporting analyses runs, access the TCC via dedicated long-distance facilities. Data is submitted in batch mode; processed off-line; and results are received as tape output for off-line plotting, or transmitted to high speed printers.

The interactive devices, with lower volume program development and on-line program execution traffic, remotely access the TCC via dial-up FTS connections.

4.4.3 Financial Management Information System (FMIS)

The FHWA is presently soliciting vendor bids for alphanumeric keyboard/display terminals (with printers) to serve the teleprocessing needs of FMIS. The program, planned for installation within 1981, is an on-line interactive system, which will replace the fifteen year old mail shuttle system. The basic function of FMIS is to track state and federal highway aid projects and funding obligations.

Future plans of FHWA envision FMIS devices to be utilized as multi-application terminals. The participation of the FHWA in the automated DOT Personnel Management Information System (PMIS) will alleviate reliance on mail transmission of data between remote offices and headquarters. The second planned application is an on-line accounting system. The accounting system will expedite submission of state expenditures which is presently handled through a combination of automated and manual transactions.

4.4.3.1 FMIS Data Transmission Characteristics

Sixty-seven A/N terminal devices will serve all of FHWA regional and division offices within the Continental United States, Alaska, Hawaii and Puerto Rico. The terminals will be TTY/RS-232 compatible. An asynchronous technique and ASCII code characterize the devices. Communications will be transmitted at a 1200 bps rate.

4.4.3.2 FMIS Data Communications

Interactive data entry, updating and editing will be performed from remote sites with access to the TCC in Washington, DC. Communications will be supported via dial facilities. However, specific facilities to be used are currently being evaluated. A Value-Added Network is being considered.

4.4.4 Bureau of Motor Carrier Safety (BMCS)

The Federal Highway Administration exercises jurisdiction over the safety performance of commercial motor carriers engaged in interstate or foreign commerce. Safety investigators and inspectors check on driver qualifications and their hours of service on the road, investigate truck and bus accidents, make carrier terminal and vehicle inspections, and conduct compliance investigations.

An automated BMCS management information on-line, data base system has been developed and tested at FHWA headquarters. The data base contains information on approximately one hundred and fifty thousand certified motor and private carriers (e.g., accident record, special equipment). Specifically, the data base contains information concerning carriers and hazardous materials, bus and truck accidents, and roadside checks and inspections.

4.4.4.1 BMCS Data Transmission Characteristics

Implementation of the BMCS data base system is in the preliminary stages with terminal locations limited to FHWA regional offices and headquarters. Ten locations are planned to become operational during 1981. Additionally, the Interstate Commerce Commission and Department of Defense are planned to access the system.

Lear Siegler ADM-42 terminal devices are planned for use. Data transmission characteristics include ASCII code, asynchronous communications, and 300-1200 bit per second speeds. A standard RS232/449 terminal interface is to be employed.

4.4.4.2 BMCS Data Communications

The on-line, interactive system will access the TCC at headquarters. Approval for temporary FX lines has been obtained. Longer range plans include replacement of the lines with Value Added Network facilities.

4.5 FEDERAL RAILROAD ADMINISTRATION (FRA)

The FRA provides consolidated Government support of rail transportation programs, administers and enforces rail safety laws, administers financial assistance programs for selected railroads, and conducts research and development programs in support of improved rail transportation. Correspondingly, the teleprocessing and telecommunications requirements of FRA are defined by safety, policy, Federal assistance, administrative, and testing programs.

The FRA operates 35 terminal devices; most of which are located at the headquarters office. Fifteen of the terminals require remote communications support. The largest programs, safety and policy applications, account for 80 percent of all remote communications. The majority of FRA terminals are alphanumeric, asynchronous, low-speed devices. Access is predominantly local dial-up to timesharing services. A summary of FRA data communications requirements is given in Figure 4.21.

4.5.1 Railroad Safety (RS)

Railway safety programs track statistical information and perform statistical analysis related to Federal laws and regulations designed to promote safety on railroads.

4.5.1.1 RS Data Transmission Characteristics

Seven terminals support the teleprocessing requirements of RS. The terminals, located within the FRA headquarters building in Washington, DC, are a mix of four device types: 3 Anderson Jacobson 832; 1 Atlanthus V203; 2 Texas Instrument "silent 700" models; and 1 Tektronix 4013.

All terminals are asynchronous devices, interfaced with EIA RS-232C standard, and employ an ASCII transmission code. Transmissions range from 300-1200 bps. The Anderson Jacobson and Atlanthus devices are operated daily for interactive communications. The Texas Instrument terminals are used for night time batch processing. The Tektronix devices are utilized daily for graphic display.

<u>PROGRAM</u>	<u>TERM</u> <u>TYPE</u>	<u>NO.</u>	<u>DATA</u> <u>COMMUNICATIONS</u>	<u>HOST</u>
Safety	AJ 832	3		
	Atlant V203	1	Dial-up	Boeing
	TI 700	2	(local)	
	TK 4013	1		
Policy	Data 100	2	Dedicated	
	AJ 860	2		Boeing
	TI 200	2	Dial-up	Informatics
	TK 4015	1	(local)	
	TK 4027	1		
Federal Assistance	Tymshare		Dial-up	
	350A	1	(local)	Tymshare
Administrative	Computer			Computer
	Transceiver	1	Dial-up	Sciences
	Data Media	2	Dial-up	ADP
Testing	TK	16	Hardwired	TTC
	<u>TOTAL</u>	35		

FIGURE 4.21: SUMMARIZED FRA REQUIREMENTS

4.5.1.2 RS Data Communications

RS communications are transmitted via local, dial-up, low-speed facilities. All terminals access an IBM 3033 computer operated at Boeing Computer Services in Vienna, Virginia. All terminals operate at 300 bps, with the exception of the Tektronix graphics device which runs at 1200 bps.

4.5.2 Railroad Policy (POL)

Policy programs administer FRA regulations.

4.5.2.1 POL Data Transmission Characteristics

Policy programs utilize eight terminals; all terminals are located at the FRA headquarters in Washington, DC. The equipment, a mix of RJE, teleprinter and A/N display devices include: 2 Data 100/78, 2 Anderson Jacobson 860, 2 Texas Instrument 700 series, 1 Tektronix 4015 and 1 Tektronix 4027.

The AJ, TI and TEK terminals are asynchronous devices. Tektronix terminals are operated as graphic terminals. EIA RS232C standard interface and ASCII codes are employed. TI and TEK terminals transmit at 1200 bps; the AI devices transmit at 300 bps.

The two Data 100 RJE terminals are synchronous devices. Higher speed batch transmissions operate at 4800 bps. Similar to the other devices, RS232C standard is used as the terminal interface.

According to policy representatives, future growth include projections up to thirty terminals with a mix of twenty "dumb" and ten "intelligent" devices. The projections, however, have not been specified to any more detail.

4.5.2.2 POL Data Communications

Policy data communications are predominantly low-speed, local dial connections. All terminals access two timesharing facilities: Boeing and Informatics. The Informatics machine is an IBM 3033. Both vendor hosts are located in the Virginia suburbs of Washington, DC and, hence, require local access exclusively. One dedicated 4800 bps line links the RJE device with Boeing.

4.5.3 Federal Assistance to Railroads (FA)

Federal assistance programs track financial obligations of selected railroads and also administer projects related to railway transportation economics.

4.5.3.1 FA Data Transmission Characteristics

FA operates one Anderson Jacobson 860 terminal located at FRA headquarters. The terminal is an asynchronous, low-speed device. An ASCII code and RS232C interface are employed. Some interactive traffic is transmitted daily. However, the largest portion of traffic is batch-type jobs which are run during prime time hours.

4.5.3.2 FA Data Communications

The FA terminal accesses a Tymshare host in Rosslyn, Virginia. Dial-up access is supported via 300 bps facilities. An IBM 370 computer supports FA processing.

4.5.4 FRA Administration (ADMN)

Two FRA administrative programs have teleprocessing and telecommunications requirements. FRA procurement systems process contract related information. An accounting system is utilized for budgetary purposes.

4.5.4.1 ADMN Data Transmission Characteristics

Three ADMN terminals include: Procurement - 1 Computer Transceiver 4000 and; Budget - 2 Data Media 3000. All devices are low-speed, asynchronous terminals operating with an ASCII transmission code and RS232C interface. The terminals are located at FRA headquarters. All traffic is interactive mode, processed during prime time.

4.5.4.2 ADMN Data Communications

Both the procurement and budget terminals dial-up, via 1200 bps local connections, time sharing systems. Procurement uses a DEC 10 computer located at ADP Network Services. Budget uses a Univac 1108 host provided by Computer Services.

4.5.5 Transportation Test Center (TTC)

The TTC, located in Pueblo, Colorado, is primarily responsible for performing railroad testing. Using simulation and modeling techniques, the TTC examines railroad performance under various operating scenarios. TTC data transmission and communications requirements are unlike those of the previous identified FRA programs: all TTC processing is done locally with no requirement for remote communications. However, a brief profile of the center is included for completeness.

The TTC operates a Honeywell 6605 computer with ten locally hardwired and six dial-in ports. Sixteen Honeywell VIP 7801 synchronous terminals, located within the TTC building, access the Honeywell machine.

4.6 NATIONAL HIGHWAY TRAFFIC SAFETY ADMINISTRATION (NHTSA)

The NHTSA operates programs related to the safety performance of motor vehicles, motor vehicle equipment, and motor vehicle drivers. The Administration was established to facilitate the reduction of deaths, injuries and economic losses resulting from highway traffic accidents, and also to provide motor vehicle information to the general public such as vehicle damage susceptibility, repair statistics, and inspection demonstrations.

NHTSA teleprocessing and telecommunications requirements are defined according to the following four program groups: 1) Research and Development; 2) Enforcement; 3) Administrative; and 4) Safety.

The administration operates 176 terminal devices. Two research programs, National Accident Sampling System (NASS), and Fatal Accident Reporting System (FARS), account for seventy-six percent of NHTSA's requirements. NHTSA terminal devices are predominantly asynchronous, low-speed, alphanumeric display or teleprinting units. Communications are transmitted via WATS or local dial (LD) to time-shared computer systems. The Administration utilizes the facilities of a variety of vendors. However, Informatics, McAuto and Boeing are most commonly contracted. Figure 4.22 profiles NHTSA programs; each program category is subsequently discussed.

NHTSA terminals are predominantly located within the Continental United States (CONUS). Approximately 40 percent of the Administration's terminals are located in Washington, DC, the headquarters of NHTSA. Fifty-seven percent of the devices are scattered throughout the rest of the CONUS. The remaining few devices are located at Noncontinental United States (NONCON) sites. Figure 4.23 presents the distribution of NHTSA terminal sites.

4.6.1 Research and Development (R/D)

The R/D programs of the NHTSA account for 134 of the administration's 176 terminals. FARS, the largest program, is a census of all fatal motor vehicle accidents in the U.S. FARS is an on-line system with teleprinter devices which access time-sharing facilities from geographically dispersed sites. NASS, the second largest R/D program, is a nationally representative statistical sample of all police reported automobile accidents. NASS, also an on-line system, operates teleprinter devices which access time-shared computer systems from remote sites.

<u>PROGRAM</u>	<u>TERMINAL</u> <u>TYPE</u>	<u>NO.</u>	<u>DATA</u> <u>COMMUNICATIONS</u>	<u>PRIMARY</u> <u>HOST</u>
R/D	Misc A/N	24	Local Dial	Informatics
	Misc TP	109	WATS	McAuto
	RJE	1	VAN	Misc. vendors
Enforcement				Informatics
	Misc A/N	8	Local Dial	Boeing
Administrative				McAuto
	Misc A/N	9	Direct	GE
	Misc TP	9	Distance	Univ of
	RJE	3	Dial	Mich Informatics
Safety	Misc TP	11	Local	Informatics
	Misc A/N	2	Dial	NIH
	<u>TOTAL</u>	176		

A/N = Alphanumeric

TP = Teleprinter

FIGURE 4.22: SUMMARY OF NHTSA REQUIREMENTS (1981)

<u>LOCATION DISTRIBUTION</u>				
<u>PROGRAM</u>	<u>HDQTS</u>	<u>NONHDQT (CON)</u>	<u>NONCONUS</u>	<u>TOTAL</u>
R/D	39	92	3	134
Enforcement	8	-	-	8
Administrative	12	9	-	21
Safety	13	-	-	13
<u>TOTAL</u>	72	101	3	176

FIGURE 4.23: NHTSA TERMINAL LOCATION DISTRIBUTION

4.6.1.1 R/D Data Transmission Characteristics

The 176 NHTSA R/D terminals are distributed among applications as FARS - 62, NASS - 35, and miscellaneous - 37. Terminals are located across the Continental United States as well as Alaska, Hawaii and Puerto Rico. In particular, 39 terminals are located within the NHTSA headquarters building in Washington, DC; three terminals are installed in the Noncontinental United States; and the remaining 92 devices are scattered throughout the Continental United States.

All NASS and FARS devices are DEC teleprinters. The terminals are asynchronous, low-speed devices which employ an ASCII code and interface with RS 232 EIA standard. The remaining terminals which are utilized for miscellaneous R/D applications are a mix of RJE, alphanumeric and teleprinter type equipment. With the exception of the RJE terminals, all devices are asynchronous, low-speed terminals with similar characteristics to the DEC equipment.

4.6.1.2 R/D Data Communications

R/D communications are transmitted via local dial (LD), direct distance dial (DDD), WATS and Value Added Network (VAN) facilities. However, the predominant communications method is local dial to gateway ports of time-shared networks.

Sixty percent of FARS communications are via local dial-up to Informatics Time-sharing Network. The remaining transmissions are via WATS connections. NASS communications are supported primarily through WATS connections and value added networks. NASS devices access both Informatics and McAuto Systems. Transmission speed of most R/D communications is 300 bps. The RJE devices are operated at 4800 bps.

4.6.2 Enforcement (ENF)

The enforcement programs of NHTSA administer the safety regulations implemented by the Administration. Enforcement terminals account for four percent of the NHTSA data terminal population.

4.6.2.1 Enforcement Data Transmission Characteristics

Eight alphanumeric enforcement terminals are installed at NHTSA headquarters offices in Washington, DC. The terminals, a mix of alphanumeric display units, are asynchronous, low-speed devices which utilize an ASCII transmission code and EIA RS 232 standard interface.

4.6.2.2 Enforcement Data Communications

Enforcement terminals dial-up, via local 300 bps connections, time-shared computer systems. Two services, Informatics and Boeing are accessed; both connection points are located within the Washington, DC metropolitan area. Informatics provides an IBM 370 computer; Boeing operates an IBM 360 machine.

4.6.3 Administrative (ADMN)

Administrative programs of NHTSA support financial, personnel and management oriented services. ADMN teleprocessing and telecommunications requirements comprise 16 percent of NHTSA's overall requirements. Two ADMN applications with the greatest teleprocessing and telecommunications needs include: 1) Financial Management and Accounting System (FMIAS); and 2) Management Services (MS).

4.6.3.1 ADMN Data Transmission Characteristics

Twenty-one administrative NHTSA terminals are operational. The devices are predominantly alphanumeric display units or teleprinters. However, three RJE devices are also operated. Nine of the administrative terminals are located at remote regional NHTSA offices. The remaining 12 devices are operated from the Washington, DC headquarters.

With the exception of the RJE terminals, all administrative devices are asynchronous, low-speed ASCII equipment. The alphanumeric displays, nine in total, are a mix of Hazelton (HZ), Tymshare (TYM) and Atlanthus units. The teleprinters are predominantly Anderson Jacobs AJ 630 models. The RJE devices are synchronous terminals utilized for batch data transmission.

4.6.3.2 ADMN Data Communications

Administrative teleprocessing is completely supported by timesharing services. McAuto, the largest supplier of ADMN timesharing computer systems, is accessed via direct distance dialing (DDD) to its St. Louis, Missouri headquarters office. Additional vendors which provide ADMN support include: GE, CDC, APL, the University of Michigan and Informatics. Terminal access to these vendor facilities is via LD or DDD. Alphanumeric and teleprinter units transmit at 300-1200 bps speeds; RJE devices are operated at 4800 bps.

4.6.4 Safety

NHTSA safety applications, with teleprocessing and telecommunications requirements include: INQUIRE, DOCKET and miscellaneous statistical analyses programs. INQUIRE is a data base retrieval system by which NHTSA personnel are able to extract car manufacturer information. The data base contains statistical information on accidents categorized by parameters such as model, make and year. DOCKET, also a data base retrieval system, contains information on new automobile features both available to the public and in the early stages of invention. The miscellaneous statistical applications provide analysis support to safety investigations. Safety programs account for seven percent of the total NHTSA terminal population.

4.6.4.1 Safety Data Transmission Characteristics

Thirteen safety terminals are operated from NHTSA headquarters in Washington, DC. The devices, predominantly teleprinter equipment, are asynchronous, low-speed devices which employ an ASCII transmission code and EIA terminal interface. Seven terminal models are installed: AJ 630, HZ 2000, NCR 260, Omoron OM 8025, TYM 315, and TYM 350.

4.6.4.2 Safety Data Communications

Safety Communications are transmitted via 300 bps, local dial facilities. Two computer systems, Informatics and the National Institute of Health (NIH), primarily support safety programs.

4.7 RESEARCH AND SPECIAL PROGRAMS ADMINISTRATION (RSPA)

The mission of RSPA is to support research, analysis and technical development areas of DOT, in addition to conducting special research and regulatory programs. The data communications requirements of the organization correspond to three generic application categories: 1) scientific/program development; 2) file maintenance; and 3) administrative. The Transportation Program Bureau (DPB) concentrates on the management of R & D and special programs. Correspondingly, the ADP requirements of DPB are scientific/program development oriented. The Materials Transportation Bureau (DPM) focuses on regulatory and enforcement related issues related to the safe transportation of hazardous materials. The ADP requirements of DPM are predominantly data base and file maintenance related. The final application category, administrative programs, are a mix of RSPA's budget, planning and management systems which are operated by the Office of Policy Plans and Programs (DPA).

The Transportation System Center (TSC) serves as the principle technical resource for scientific, engineering, information and analytical programs of the OST, RSPA, and the operating administrations of DOT. TSC is located in Cambridge, MA.

RSPA operates approximately 35 low-speed terminal devices. The terminals, a mix of CRT, teleprinter, portable and word processor units, access three computer centers. TSC supports scientific, program development and file maintenance applications. Interactive Science Corporation (ISC) provides additional file maintenance and scientific processing support to RSPA users. Bowne Information Systems is used to support a few administrative applications such as text editing and budget reporting.

4.7.1 Transportation System Center (TSC)

The Transportation System Center operates a variety of computer systems ranging from microprocessor to large mainframe equipment. Three computer systems provide primary time-sharing support to all DOT administrations. Two DEC 10 computers provide processing support for administrative data systems of OST, RSPA, FAA and CG. Additionally, a Prime 550 machine supports interactive processing and is also utilized as an RJE emulator. As an IBM interface, the Prime machine communicates with the FAA Aeronautical Center and other IBM compatible systems. Access to TSC is predominantly dial-up.

TSC provides general purpose support to three remote user groups. A leased long-haul line connects RSPA headquarters and the TSC campus. Currently, a statistical multiplexor supports up to a maximum of 16 simultaneous connections. The speed of the line is 4.8K bps. Plans include the introduction of an additional multiplexor to provide support for 32 users at a transmission speed of 9.6K bps.

Two other remote user groups include FAA and CG. An FAA communication facilities data base is maintained by TSC. The data base, an inventory of all FAA communications lines and equipment, is accessed by FAA regional offices via the FTS dial network. A mishap reporting system is managed by TSC for the CG. The data base tracks all accidents involving government vehicles. CG regional offices access the mishap data via dial-up public telephone lines. Although the data base has been developed for CG use, plans include the expansion of the system to include information and access by all DOT administrations.

In addition to two of the three remote user groups, the TSC Prime computer interfaces with the FAA computer complex in Oklahoma City, OK and the CG computer complex in Governor's Island. An IBM 3780 emulator is run to interface with these systems. Access of the FAA machine is accomplished via the FAA administrative data communications network primarily for operation of the Personnel Management Information System (PMIS). Data is transmitted via a 4.8K bps dedicated, multidrop line to Oklahoma City. A 9.8K bps leased line directly connects TSC with the CG complex for the exchange of data.

TSC also provides processing support for special research projects. Due to the dynamic nature of these projects, communications support is typically ad hoc and on a short term basis.

Significant local processing is performed by TSC. Approximately 165 data terminals are installed within the six building complex of TSC. The terminals, a mix of portable, CRT and DEC writers, are predominantly asynchronous ASCII devices. Access to the local TSC computer complexes is via dial-up, 300 bps connections.

4.7.2 RSPA Data Transmission Characteristics

RSPA terminals are located at two sites: 1) Washington, DC; and 2) Cambridge, MA. Thirty-five units, located at DC headquarters, are distributed as:

• CRT	7
• TTY	4
• Printers	18
• Word Processors	<u>8</u>
	37

The 29 data terminals are predominantly low-speed, asynchronous units which utilize a standard ASCII transmission code. Additionally, seven Xerox Model 850 and one Xerox Model 860 word processors (WP) are operated as remote terminal devices. The WP devices are equipped with communications features which allow direct interface to the Bowne computer system as well as information exchange between word processing terminals. Future plans include the installation of several WP devices at TSC to provide direct exchange of text between the computer complex and headquarters.

4.7.3 RSPA Data Communications

RSPA terminals located in Washington, DC access two computer systems: 1) TSC and 2) Bowne Computer System. The TSC located in Cambridge, MA, is linked to headquarters via a dedicated, long haul communications link. A Timplex statistical multiplexor is utilized to share the line among multiple users. Transmissions are sent at 4800 bps speeds. Fourteen ports are available at the TSC; 2-1200 bps and 12-300 bps. Traffic to TSC is predominantly interactive; traffic loads are approximately 200 hours per week.

Word processing applications (DC based) are supported by the Bowne computing system. Access to Bowne is local, via the FTS network. Administrative traffic, a mix of batch and interactive transmissions, is sent at relatively low volumes of approximately 5 days/month.

RSPA terminals located at TSC in Cambridge, MA are serviced locally by the DEC system. Additional scientific processing capabilities are provided by Interactive Sciences Corporation (ISC) in Waltham, MA. Access to ISC is local dial-up. Traffic to ISC is mainly interactive; typical work loads average 200 hours/week.

4.8 URBAN MASS TRANSIT ADMINISTRATION (UMTA)

The UMTA assists in the development of improved mass transportation facilities, techniques and methods; encourages the planning and establishment of area-wide urban mass transportation systems; and aids the state and local governments in financing such systems. The programs of UMTA which correspond to the first two Administration missions are research and development oriented. Funding programs, corresponding to the third UMTA mission, are financial and accounting based.

A total of 29 UMTA terminal devices are operated; 7 of the terminals are portable (the portable devices are not included in the terminal inventory). UMTA devices are asynchronous, alphanumeric display, low-speed terminals. Eighty percent of the devices are cable, intrabuilding connections. Figure 4.24 summaries UMTA data communications requirements.

4.8.1 Research and Development Programs

Research and development programs address the following principle areas of concern: bus transit, urban rail transit, new urban mass transit systems, system analysis, transit planning research, transit planning research, transit service and improvement methods. Research programs are typically performed on-site with UMTA personnel providing assistance to local program managers. Projects are implemented by means of contracts with private organizations, public groups, universities and individual experts.

The transient nature of UMTA R/D programs dictate dynamic access requirements. Consequently, R/D programs use 7 portable Texas Instrument 745 terminal devices to access a variety of time sharing services. The time sharing vendors, which will vary with specific program requirements, include: Computer Services, Informatics, Boeing, Mitre and ADP.

4.8.2 Grant and Loan Programs

Funding programs authorize grants or loans to assist communities in acquiring or improving capital equipment and facilities for urban mass transit systems. Accordingly, the main requirements of such programs encompass financial tracking of outstanding grants and loans. Current accounting information must be available at all times for access by UMTA representatives.

<u>PROGRAM</u>	<u>TERMINAL</u>		<u>DATA</u>		<u>HOST</u>
	<u>TYPE</u>	<u>NO.</u>	<u>COMMUNICATIONS</u>		
Research & Development	TI 745 (portable)	7	Dial up via FTS		Multiple Time Share Services
Grant & Loan	Racal-Milgo 40+ IBM 2260	17 5	Direct-wired or Dial up via FTS		TCC
	<u>TOTAL</u>	29			

FIGURE 4.24: SUMMARIZED UMTA REQUIREMENTS (1981)

4.8.2.1 Grant and Loan Data Transmission Characteristics

Seventeen Racal-Milgo 40+ CRT terminal devices are operated to track grant and loan financial information. The terminals operate in an asynchronous mode with an RS232C standard interface. An ASCII code is employed. Transmission speed is 1200 bps. The terminals are geographically dispersed across UMTA offices. Seven devices are located at UMTA headquarters in Washington, DC and the remaining ten devices are situated at regional offices (1 device per office).

Additionally, five IBM 2260 terminals are operated at headquarters. With the exception of an EBCDIC code, the alphanumeric display units have similar transmission characteristics to the Racal-Milgo terminals.

4.8.2.2 Grant and Loan Data Communications

All UMTA terminals interactively access the AMDAHL computers at the TCC. The twelve devices which are located at headquarters are direct wired to the TCC hosts. The remaining seven regional devices dial-up TCC via the FTS network utilizing Bell 202-212 type modems.

APPENDIX A

DOT TERMINAL AND DATA COMMUNICATIONS REQUIREMENTS

Detailed terminal information is presented for eight DOT Offices and Administrations and twenty seven data systems. Figure A.1 summarizes the data systems which are reviewed. Parameters identifying the terminals, in the order in which they appear in the data base, include:

- Administration Identifier (ADMN)
- Location Identifiers
 - City
 - State (ST)
 - Area Code Exchange (ACEX)
- Administration Contact
- Data System Information
 - Office (OFF)
 - Program (PROG)
 - Application (APPL)
- Terminal Information
 - Type
 - Model
 - Synchronization (SYNC)
 - Number of Devices (NDV)

- Circuit Information
 - Type
 - Speed (bps)
 - GSA-ID
- Resource Information
 - ID
 - Host
- Traffic Type

Abbreviations used to identify terminal types and circuit types are given in Figures A.2 and A.3, respectively. Figure A.4 identifies terminal model abbreviations.

ADMINISTRATION

SYSTEMS

OST

- General Administrative
- Transportation Automated Office System (TAOS)

CG

- Administrative
- Operational

FAA

- Aircraft Management Information System (AMIS)
- Personnel Management Information System (PMIS)
- Uniform Payroll System (UPS)
- National Flight Data Center (NFDC)
- Instrument Approach Procedure Automation (IAPA)
- Consolidated Accounting System (CAS)
- PLATO

FHWA

- Research and Development (R&D)
- Direct Federal Construction (DFC)
- Financial Management Information System (FMIS)
- Bureau of Motor Carrier Safety (BMCS)

FRA

- Safety (SAF)
- Policy (POL)
- Federal Assistance (FA)
- General Administrative
- Testing

FIGURE A.1: DOT DATA SYSTEMS

ADMINISTRATION

SYSTEMS

NHTSA

- Research and Development (R/D)
- Enforcement (ENF)
- General Administrative
- Safety (SAF)

RSPA

- General Administrative

UMTA

- Research and Development (R/D)
- Grant and Loan (G/L)

FIGURE A.1: CONCLUDED

INVENTORY

ABBREVIATION

Teleprinter	TP
Alphanumeric Display	A/N
Remote Batch	RJE
Graphic	GRAPH
Intelligent	INTEL
Portable	PORT
Word Processor	WP

FIGURE A.2: TERMINAL TYPE CODES

<u>CIRCUIT TYPE</u>	<u>DEFINITION</u>
LD	Local Dialing
FTS	Direct Distance Dialing over the Federal Telephone Service Network
DDD	Direct Distance Dialing over the Public Telephone Service Network
WATS	Wide Area Telecommunications Service
CABL	Non-public facilities generally used in-house with Line Drivers or Limited Distance Modems
LPP	Leased Point-to-Point Line, normally under AT&T
MULT	Leased Multipoint Line, normally under AT&T
FX	Foreign Exchange Line to provide Local Dialing privileges to remote points, normally under AT&T
VAN	Value Added Network

FIGURE A.3: CIRCUIT CODES

<u>ABBREVIATION</u>	<u>MODEL NAME</u>
4PHS	Four Phase Systems
ADM	Lear Siegler ADM Series
AJ	Anderson Jacobson
B150	Beehive
C1202, C1203	Computer Devices Miniterminal
D100	Data 100/78
D1640	
DCT50	
DEC II	Digital Equipment Corporation DEC writer Printer Terminal
EXPT	Computer Transceiver Execuport
H1500-H2000	Harris Communications Terminals
HZ150-HZ200	Hazeltine 1500, 2000 Series
I3270	IBM
NCR	NCR 7500 Series
OMRON	OMRON 8025
RM40+	Racal-Milgo 4270 Clustered Terminal Series
SPD	Honeywell Incoterm SPD Intelligent Terminal Family
T4000	Tektronix 4000 Series
TDATA	Trend Data
TI700-TI765	Texas Instrument "Silent" 7000 Series
TI272	Telex Terminal Communications Information Display System
TM315, TM350	Tymshare Alphanumeric Display Units
TTY28	Teletype Model 28
U9300	Sperry Univac 9300 RJE
UT200	
V201, V203	Atlanthus
VT100	Digital Equipment VT-100
X1640, X1740	Xerox Teleprinters
X800, X850	Xerox Word Processor Units

FIGURE A.4: TERMINAL ABBREVIATIONS

DEPARTMENT OF TRANSPORTATION

OFFICE OF THE SECRETARY

TERMINAL LOCATIONS

TIME PERIOD : 1981

	NAC		LOCATION	CONTACT	AGENCY INF		TERMINAL INF			CIRCUIT INF		RESOURCE		TRAF			
ADMIN ID	CITY	ST	ACEX		OFF	PRG	APPL	TYPE	MODEL	SYNC	NDV	TYPE	SPEED	GOA-ID	CNTR	HOST	TYPE
OST	05001	WASH	DC 202426	BULLOCK	HDQT		ADMIN	TP	AJ832	ASYN	1	FTS	300		TYMOR		INTER
OST	05002	WASH	DC 202426	BULLOCK	HDQT		ADMIN	TP	AJ841	ASYN	1	FTS	300		DOEIN		INTER
OST	05003	WASH	DC 202426	BULLOCK	HDQT		ADMIN	TP	OMRON	ASYN	1	FTS	1200		TYMOR		INTER
OST	05004	WASH	DC 202426	BULLOCK	HDQT		ADMIN	AN	TDATA	ASYN	1	FTS	1200		BOWNE		INTER
OST	05005	WASH	DC 202426	BULLOCK	HDQT		ADMIN	TP	DCT50	ASYN	1	FTS	1200		DOEIN		INTER
												1	FTS	1200			INTER
OST	05006	WASH	DC 202426	BULLOCK	HDQT		ADMIN	AN	UT200	ASYN	1	FTS	1200		DOEIN		INTER
OST	05007	WASH	DC 202426	BULLOCK	HDQT		ADMIN	PORT	T1735	ASYN	1	FTS	300		TYM		INTER
OST	05008	WASH	DC 202426	BULLOCK	HDQT		ADMIN	TP	TYM11	ASYN	1	FTS	300		DOE		INTER
OST	05009	WASH	DC 202426	BULLOCK	HDQT		ADMIN	TP	WU120	ASYN	1	FTS	300		TYMOR		INTER
												1	FTS	300			INTER
												1	FTS	300			INTER
OST	05010	WASH	DC 202426	BULLOCK	HDQT		ADMIN	TP	WU120	ASYN	1	FTS	150		DOE		INTER
												1	FTS	150			INTER
OST	05011	WASH	DC 202426	BULLOCK	HDQT		ADMIN	AN	TDATA	ASYN	1	FTS	300		DOEIN		INTER
OST	05012	WASH	DC 202426	BULLOCK	HDQT		ADMIN	TP	AJ832	ASYN	1	FTS	300		DOEIN		INTER
OST	05013	WASH	DC 202426	BULLOCK	HDQT		ADMIN	TP	TDATA	ASYN	1	FTS	300		BOWNE		INTER
OST	05014	WASH	DC 202426	BULLOCK	HDQT		ADMIN	WP	X800	ASYN	1	FTS	300		DOEIN		INTER
OST	05015	WASH	DC 202426	BULLOCK	HDQT		ADMIN	INTEL	T1700	ASYN	1	FTS	1200		DOEIN		INTER
OST	05016	WASH	DC 202426	BULLOCK	HDQT		ADMIN	AN	V203	ASYN	1	FTS	1200		DOE		INTER
OST	05017	WASH	DC 202426	BULLOCK	HDQT		ADMIN	RJE	D100	SYNC	1	FTS	4800		DOE		INTER
OST	05018	WASH	DC 202426	BULLOCK	HDQT		ADMIN	AN	V203	ASYN	1	FTS	1200		DOE		INTER

AD-A104 837 NETWORK ANALYSIS CORP VIENNA VA F/G 17/2
DEPARTMENT OF TRANSPORTATION DATA COMMUNICATIONS REQUIREMENTS A--ETC(U)
JUL 81
UNCLASSIFIED NAC/FR-3031.01 FAA/RD-A1/70 DOT-FA79WA-4335
NL

 2×2

DEPARTMENT OF TRANSPORTATION

OFFICE OF THE SECRETARY

TERMINAL LOCATIONS

TIME PERIOD : 1981

NAC ADMIN ID	CITY	LOCATION ST ACEX	CONTACT	AGENCY INF OFF PROG APPL	TERMINAL INF TYPE MODEL SYNC	CIRCUIT INF NDV TYPE SPEED GSA-ID	RESOURCE CNTR HOST	TRF TYPE
OST 05019	WASH	DC 202426	BULLOCK	HDQT ADMN	AN T1200 ASYN	1 FTS 1200	CCC	INTER
OST 05020	WASH	DC 202426	RAY SMITH	HDQT TCC	AN I3277 ASYN	45 CABL 300	TCC AMDAHL	INTER
OST 05021	WASH	DC 202426	RAY SMITH	HDQT TCC	AN I3270 ASYN	1 CABL 300	TCC AMDAHL	INTER
OST 05022	WASH	DC 202426	RAY SMITH	HDQT TCC	TP T1700 ASYN	1 CABL 300	TCC AMDAHL	INTER
OST 05023	WASH	DC 202426	RAY SMITH	HDQT TCC	TP T1700 ASYN	1 CABL 300	TCC AMDAHL	INTER
OST 05024	WASH	DC 202426	RAY SMITH	HDQT TCC	AN HZ200 ASYN	1 CABL 300	TCC AMDAHL	INTER
OST 05025	WASH	DC 202426	RAY SMITH	HDQT TCC	AN HZ200 ASYN	1 CABL 300	TCC AMDAHL	INTER
OST 05026	WASH	DC 202426	RAY SMITH	HDQT TAOS	AN VT100 ASYN	1 CABL 300	TCC PRIME	INTER
OST 05027	WASH	DC 202426	RAY SMITH	HDQT TAOS	AN VT100 ASYN	1 CABL 300	TCC PRIME	INTER
OST 05028	WASH	DC 202426	RAY SMITH	HDQT TAOS	AN VT100 ASYN	1 CABL 300	TCC PRIME	INTER
OST 05029	WASH	DC 202426	RAY SMITH	HDQT TAOS	AN VT100 ASYN	1 CABL 300	TCC PRIME	INTER
OST 05030	WASH	DC 202426	RAY SMITH	HDQT TAOS	AN VT100 ASYN	1 CABL 300	TCC PRIME	INTER
OST 05031	WASH	DC 202426	RAY SMITH	HDQT TAOS	AN VT100 ASYN	1 CABL 300	TCC PRIME	INTER
OST 05032	WASH	DC 202426	RAY SMITH	HDQT TAOS	AN VT100 ASYN	1 CABL 300	TCC PRIME	INTER
OST 05033	WASH	DC 202426	RAY SMITH	HDQT TAOS	AN VT100 ASYN	1 CABL 300	TCC PRIME	INTER
OST 05034	WASH	DC 202426	RAY SMITH	HDQT TAOS	AN VT100 ASYN	1 CABL 300	TCC PRIME	INTER
OST 05035	WASH	DC 202426	RAY SMITH	HDQT TAOS	AN VT100 ASYN	1 CABL 300	TCC PRIME	INTER
OST 05036	WASH	DC 202426	RAY SMITH	HDQT TAOS	AN VT100 ASYN	1 CABL 300	TCC PRIME	INTER
OST 05037	WASH	DC 202426	RAY SMITH	HDQT TAOS	AN VT100 ASYN	1 CABL 300	TCC PRIME	INTER
OST 05038	WASH	DC 202426	RAY SMITH	HDQT TAOS	AN VT100 ASYN	1 CABL 300	TCC PRIME	INTER

DEPARTMENT OF TRANSPORTATION

OFFICE OF THE SECRETARY

TERMINAL LOCATIONS

TIME PERIOD : 1981

NAC ADMIN ID	CITY	LOCATION ST ACEN	CONTACT	AGENCY INF		TERMINAL INF				CIRCUIT INF		RESOURCE		TRAF TYPE	
				OFF	PROG APPL	TYPE	MODEL	SYNC	NDV	TYPE	SPEED	GSA-ID	CNTR	HOST	
OST	OS039	WASH	DC 202426 RAY SMITH	HDQT	TAOS	AN	VT100	ASYN	1	CABL	300		TCC	PRIME	INTER
OST	OS040	WASH	DC 202426 RAY SMITH	HDQT	TAOS	AN	VT100	ASYN	1	CABL	300		TCC	PRIME	INTER
OST	OS041	WASH	DC 202426 RAY SMITH	HDQT	TAOS	AN	VT100	ASYN	1	CABL	300		TCC	PRIME	INTER
OST	OS041	WASH	DC 202426 RAY SMITH	HDQT	TAOS	AN	VT100	ASYN	1	CABL	300		TCC	PRIME	INTER
OST	OS042	WASH	DC 202426 RAY SMITH	HDQT	TAOS	AN	VT100	ASYN	1	CABL	300		TCC	PRIME	INTER
OST	OS043	WASH	DC 202426 RAY SMITH	HDQT	TAOS	AN	VT100	ASYN	1	CABL	300		TCC	PRIME	INTER
OST	OS044	WASH	DC 202426 RAY SMITH	HDQT	TAOS	AN	VT100	ASYN	1	CABL	300		TCC	PRIME	INTER
OST	OS045	WASH	DC 202426 RAY SMITH	HDQT	TAOS	AN	VT100	ASYN	1	CABL	300		TCC	PRIME	INTER
OST	OS046	WASH	DC 202426 RAY SMITH	HDQT	TAOS	AN	VT100	ASYN	1	CABL	300		TCC	PRIME	INTER
OST	OS047	WASH	DC 202426 RAY SMITH	HDQT	TAOS	AN	VT100	ASYN	1	CABL	300		TCC	PRIME	INTER
OST	OS048	WASH	DC 202426 RAY SMITH	HDQT	TAOS	AN	VT100	ASYN	1	CABL	300		TCC	PRIME	INTER
OST	OS049	WASH	DC 202426 RAY SMITH	HDQT	TAOS	AN	VT100	ASYN	1	CABL	300		TCC	PRIME	INTER
OST	OS050	WASH	DC 202426 RAY SMITH	HDQT	TAOS	AN	VT100	ASYN	1	CABL	300		TCC	PRIME	INTER
OST	OS051	WASH	DC 202426 RAY SMITH	HDQT	TAOS	AN	VT100	ASYN	1	CABL	300		TCC	PRIME	INTER
OST	OS052	WASH	DC 202426 RAY SMITH	HDQT	TAOS	AN	VT100	ASYN	1	CABL	300		TCC	PRIME	INTER
OST	OS053	WASH	DC 202426 RAY SMITH	HDQT	TAOS	AN	VT100	ASYN	1	CABL	300		TCC	PRIME	INTER
OST	OS054	WASH	DC 202426 RAY SMITH	HDQT	TAOS	AN	VT100	ASYN	1	CABL	300		TCC	PRIME	INTER
OST	OS055	WASH	DC 202426 RAY SMITH	HDQT	TAOS	AN	VT100	ASYN	1	CABL	300		TCC	PRIME	INTER
OST	OS056	WASH	DC 202426 RAY SMITH	HDQT	TAOS	AN	VT100	ASYN	1	CABL	300		TCC	PRIME	INTER
OST	OS057	WASH	DC 202426 RAY SMITH	HDQT	TAOS	AN	VT100	ASYN	1	CABL	300		TCC	PRIME	INTER

DEPARTMENT OF TRANSPORTATION

OFFICE OF THE SECRETARY

TERMINAL LOCATIONS

TIME PERIOD : 1981

ADMIN	NAC ID	CITY	LOCATION ST ACEX	CONTACT	AGENCY INF OFF PROG APPL	TERMINAL INF TYPE MODEL SYNC NDV	CIRCUIT INF TYPE SPEED GSA-ID	RESOURCE CONF HOST	TRAF TYPE
OST	OS058	WASH	DC 202426	RAY SMITH	HDQT TAOS	AN VT100 ASYN 1	CABL 300	TCC PRIME	INTER
OST	OS059	WASH	DC 202426	RAY SMITH	HDQT TAOS	AN VT100 ASYN 1	CABL 300	TCC PRIME	INTER
OST	OS060	WASH	DC 202426	RAY SMITH	HDQT TAOS	AN VT100 ASYN 1	CABL 300	TCC PRIME	INTER
OST	OS061	WASH	DC 202426	RAY SMITH	HDQT TAOS	AN VT100 ASYN 1	CABL 300	TCC PRIME	INTER
OST	OS062	WASH	DC 202426	RAY SMITH	HDQT TAOS	AN VT100 ASYN 1	CABL 300	TCC PRIME	INTER
OST	OS063	WASH	DC 202426	RAY SMITH	HDQT TAOS	AN VT100 ASYN 1	CABL 300	TCC PRIME	INTER
OST	OS063	WASH	DC 202426	RAY SMITH	HDQT TAOS	AN VT100 ASYN 1	CABL 300	TCC PRIME	INTER
OST	OS064	WASH	DC 202426	RAY SMITH	HDQT TAOS	AN VT100 ASYN 1	CABL 300	TCC PRIME	INTER
OST	OS065	WASH	DC 202426	RAY SMITH	HDQT TAOS	AN VT100 ASYN 1	CABL 300	TCC PRIME	INTER
OST	OS066	WASH	DC 202426	RAY SMITH	HDQT TAOS	AN VT100 ASYN 1	CABL 300	TCC PRIME	INTER
OST	OS067	WASH	DC 202426	RAY SMITH	HDQT TAOS	AN VT100 ASYN 1	CABL 300	TCC PRIME	INTER
OST	OS068	WASH	DC 202426	RAY SMITH	HDQT TAOS	AN VT100 ASYN 1	CABL 300	TCC PRIME	INTER
OST	OS069	WASH	DC 202426	RAY SMITH	HDQT TAOS	AN VT100 ASYN 1	CABL 300	TCC PRIME	INTER
OST	OS070	WASH	DC 202426	RAY SMITH	HDQT TAOS	AN VT100 ASYN 1	CABL 300	TCC PRIME	INTER
OST	OS071	WASH	DC 202426	RAY SMITH	HDQT TAOS	AN VT100 ASYN 1	CABL 300	TCC PRIME	INTER
OST	OS072	WASH	DC 202426	RAY SMITH	HDQT TAOS	AN VT100 ASYN 1	CABL 300	TCC PRIME	INTER
OST	OS073	WASH	DC 202426	RAY SMITH	HDQT TAOS	AN VT100 ASYN 1	CABL 300	TCC PRIME	INTER
OST	OS074	WASH	DC 202426	RAY SMITH	HDQT TAOS	AN VT100 ASYN 1	CABL 300	TCC PRIME	INTER
OST	OS075	WASH	DC 202426	RAY SMITH	HDQT TAOS	AN VT100 ASYN 1	CABL 300	TCC PRIME	INTER
OST	OS076	WASH	DC 202426	RAY SMITH	HDQT TAOS	AN VT100 ASYN 1	CABL 300	TCC PRIME	INTER

DEPARTMENT OF TRANSPORTATION

OFFICE OF THE SECRETARY

TERMINAL LOCATIONS

TIME PERIOD : 1981

NAL ADMIN ID	CITY	LOCATION ST ACES	CONTACT	AGENCY INF OFF PRG APPL	TERMINAL INF TYPE MODEL SYNC NDV	CIRCUIT INF TYPE SPEED GSA-ID	RESOURCE CNTR HOST	TRAF TYPE
OST 05077	WASH	DC 202426	RAY SMITH	HDQT TAOS	AN VT100 ASYN 1	CABL 300	TCC PRIME	INTER
OST 05078	WASH	DC 202426	RAY SMITH	HDQT TAOS	AN VT100 ASYN 1	CABL 300	TCC PRIME	INTER
OST 05079	WASH	DC 202426	RAY SMITH	HDQT TAOS	AN VT100 ASYN 1	CABL 300	TCC PRIME	INTER
OST 05080	WASH	DC 202426	RAY SMITH	HDQT TAOS	AN VT100 ASYN 1	CABL 300	TCC PRIME	INTER
OST 05081	WASH	DC 202426	RAY SMITH	HDQT TAOS	AN VT100 ASYN 1	CABL 300	TCC PRIME	INTER
OST 05082	WASH	DC 202426	RAY SMITH	HDQT TAOS	AN VT100 ASYN 1	CABL 300	TCC PRIME	INTER
OST 05083	WASH	DC 202426	RAY SMITH	HDQT TAOS	AN VT100 ASYN 1	CABL 300	TCC PRIME	INTER
OST 05084	WASH	DC 202426	RAY SMITH	HDQT TAOS	AN VT100 ASYN 1	CABL 300	TCC PRIME	INTER
OST 05085	WASH	DC 202426	RAY SMITH	HDQT TAOS	AN VT100 ASYN 1	CABL 300	TCC PRIME	INTER
OST 05086	WASH	DC 202426	RAY SMITH	HDQT TAOS	AN VT100 ASYN 1	CABL 300	TCC PRIME	INTER
OST 05087	WASH	DC 202426	RAY SMITH	HDQT TAOS	AN VT100 ASYN 1	CABL 300	TCC PRIME	INTER
OST 05088	WASH	DC 202426	RAY SMITH	HDQT TAOS	AN VT100 ASYN 1	CABL 300	TCC PRIME	INTER
OST 05089	WASH	DC 202426	RAY SMITH	HDQT TAOS	AN VT100 ASYN 1	CABL 300	TCC PRIME	INTER
OST 05090	WASH	DC 202426	RAY SMITH	HDQT TAOS	AN VT100 ASYN 1	CABL 300	TCC PRIME	INTER
OST 05091	WASH	DC 202426	RAY SMITH	HDQT TAOS	AN VT100 ASYN 1	CABL 300	TCC PRIME	INTER
OST 05092	WASH	DC 202426	RAY SMITH	HDQT TAOS	AN VT100 ASYN 1	CABL 300	TCC PRIME	INTER
OST 05093	WASH	DC 202426	RAY SMITH	HDQT TAOS	AN VT100 ASYN 1	CABL 300	TCC PRIME	INTER
OST 05094	WASH	DC 202426	RAY SMITH	HDQT TAOS	AN VT100 ASYN 1	CABL 300	TCC PRIME	INTER
OST 05095	WASH	DC 202426	RAY SMITH	HDQT TAOS	AN VT100 ASYN 1	CABL 300	TCC PRIME	INTER
OST 05096	WASH	DC 202426	RAY SMITH	HDQT TAOS	AN VT100 ASYN 1	CABL 300	TCC PRIME	INTER

DEPARTMENT OF TRANSPORTATION

OFFICE OF THE SECRETARY

TERMINAL LOCATIONS

TIME PERIOD : 1981

NAC	LOCATION	CONTACT	AGENCY INF	TERMINAL INF	CIRCUIT INF	RESOURCE	TRAF
ADMIN ID	CITY	ST ACES	OFF	TYPE	MODEL SYNC NDV TYPE SPEED GSA-ID	CONTR	HOST
OST	OS097 WASH	DC 202426 RAY SMITH	HDQT	TAOS	AN VT100 ASYN 1 CABL 300	TCC	PRIME INTER
OST	OS098 WASH	DC 202426 RAY SMITH	HDQT	TAOS	AN VT100 ASYN 1 CABL 300	TCC	PRIME INTER
OST	OS099 WASH	DC 202426 RAY SMITH	HDQT	TAOS	AN VT100 ASYN 1 CABL 300	TCC	PRIME INTER
OST	OS100 WASH	DC 202426 RAY SMITH	HDQT	TAOS	AN VT100 ASYN 1 CABL 300	TCC	PRIME INTER
OST	OS101 WASH	DC 202426 RAY SMITH	HDQT	TAOS	AN VT100 ASYN 1 CABL 300	TCC	PRIME INTER
OST	OS102 WASH	DC 202426 RAY SMITH	HDQT	TAOS	AN VT100 ASYN 1 CABL 300	TCC	PRIME INTER
OST	OS103 WASH	DC 202426 RAY SMITH	HDQT	TAOS	AN VT100 ASYN 1 CABL 300	TCC	PRIME INTER
OST	OS104 WASH	DC 202426 RAY SMITH	HDQT	TAOS	AN VT100 ASYN 1 CABL 300	TCC	PRIME INTER
OST	OS105 WASH	DC 202426 RAY SMITH	HDQT	TAOS	AN VT100 ASYN 1 CABL 300	TCC	PRIME INTER
OST	OS105 WASH	DC 202426 RAY SMITH	HDQT	TAOS	AN VT100 ASYN 1 CABL 300	TCC	PRIME INTER
OST	OS106 WASH	DC 202426 RAY SMITH	HDQT	TAOS	AN VT100 ASYN 1 CABL 300	TCC	PRIME INTER
OST	OS107 WASH	DC 202426 RAY SMITH	HDQT	TAOS	AN VT100 ASYN 1 CABL 300	TCC	PRIME INTER
OST	OS108 WASH	DC 202426 RAY SMITH	HDQT	TAOS	AN VT100 ASYN 1 CABL 300	TCC	PRIME INTER
OST	OS109 WASH	DC 202426 RAY SMITH	HDQT	TAOS	AN VT100 ASYN 1 CABL 300	TCC	PRIME INTER
OST	OS110 WASH	DC 202426 RAY SMITH	HDQT	TAOS	AN VT100 ASYN 1 CABL 300	TCC	PRIME INTER
OST	OS111 WASH	DC 202426 RAY SMITH	HDQT	TAOS	AN VT100 ASYN 1 CABL 300	TCC	PRIME INTER
OST	OS112 WASH	DC 202426 RAY SMITH	HDQT	TAOS	AN VT100 ASYN 1 CABL 300	TCC	PRIME INTER
OST	OS113 WASH	DC 202426 RAY SMITH	HDQT	TAOS	AN VT100 ASYN 1 CABL 300	TCC	PRIME INTER
OST	OS114 WASH	DC 202426 RAY SMITH	HDQT	TAOS	AN VT100 ASYN 1 CABL 300	TCC	PRIME INTER
OST	OS115 WASH	DC 202426 RAY SMITH	HDQT	TAOS	AN VT100 ASYN 1 CABL 300	TCC	PRIME INTER

DEPARTMENT OF TRANSPORTATION

OFFICE OF THE SECRETARY

TERMINAL LOCATIONS

TIME PERIOD : 1981

NAC ADMIN ID	CITY	LOCATION		CONTACT	AGENCY INF			TERMINAL INF				CIRCUIT INF			RESOURCE		TRAF TYPE
		ST	ACEX		OFF	PROG	APPL	TYPE	MODEL	SYNC	NDV	TYPE	SPEED	OSA-ID	CNTR	HOST	
OST	OS116	WASH	DC	202426	RAY SMITH	HDQT	TAOS	AN	VT100	ASYN	1	CABL	300		TCC	PRIME	INTER
OST	OS117	WASH	DC	202426	RAY SMITH	HDQT	TAOS	AN	VT100	ASYN	1	CABL	300		TCC	PRIME	INTER
OST	OS118	WASH	DC	202426	RAY SMITH	HDQT	TAOS	AN	VT100	ASYN	1	CABL	300		TCC	PRIME	INTER
OST	OS119	WASH	DC	202426	RAY SMITH	HDQT	TAOS	AN	VT100	ASYN	1	CABL	300		TCC	PRIME	INTER
OST	OS120	WASH	DC	202426	RAY SMITH	HDQT	TAOS	AN	VT100	ASYN	1	CABL	300		TCC	PRIME	INTER
OST	OS121	WASH	DC	202426	RAY SMITH	HDQT	TAOS	AN	VT100	ASYN	1	CABL	300		TCC	PRIME	INTER
OST	OS122	WASH	DC	202426	RAY SMITH	HDQT	TAOS	AN	VT100	ASYN	1	CABL	300		TCC	PRIME	INTER
OST	OS123	WASH	DC	202426	RAY SMITH	HDQT	TAOS	AN	VT100	ASYN	1	CABL	300		TCC	PRIME	INTER
OST	OS124	WASH	DC	202426	RAY SMITH	HDQT	TAOS	AN	VT100	ASYN	1	CABL	300		TCC	PRIME	INTER
OST	OS125	WASH	DC	202426	RAY SMITH	HDQT	TAOS	AN	VT100	ASYN	1	CABL	300		TCC	PRIME	INTER
OST	OS126	WASH	DC	202426	RAY SMITH	HDQT	TAOS	AN	VT100	ASYN	1	CABL	300		TCC	PRIME	INTER
OST	OS127	WASH	DC	202426	RAY SMITH	HDQT	TAOS	AN	VT100	ASYN	1	CABL	300		TCC	PRIME	INTER
OST	OS128	WASH	DC	202426	RAY SMITH	HDQT	TAOS	AN	VT100	ASYN	1	CABL	300		TCC	PRIME	INTER
OST	OS129	WASH	DC	202426	RAY SMITH	HDQT	TAOS	AN	VT100	ASYN	1	CABL	300		TCC	PRIME	INTER
OST	OS130	WASH	DC	202426	RAY SMITH	HDQT	TAOS	AN	VT100	ASYN	1	CABL	300		TCC	PRIME	INTER
OST	OS131	WASH	DC	202426	RAY SMITH	HDQT	TAOS	AN	VT100	ASYN	1	CABL	300		TCC	PRIME	INTER
OST	OS132	WASH	DC	202426	RAY SMITH	HDQT	TAOS	AN	VT100	ASYN	1	CABL	300		TCC	PRIME	INTER
OST	OS133	WASH	DC	202426	RAY SMITH	HDQT	TAOS	AN	VT100	ASYN	1	CABL	300		TCC	PRIME	INTER
OST	OS134	WASH	DC	202426	RAY SMITH	HDQT	TAOS	AN	VT100	ASYN	1	CABL	300		TCC	PRIME	INTER
OST	OS135	WASH	DC	202426	RAY SMITH	HDQT	TAOS	AN	VT100	ASYN	1	CABL	300		TCC	PRIME	INTER

DEPARTMENT OF TRANSPORTATION

OFFICE OF THE SECRETARY

TERMINAL LOCATIONS

TIME PERIOD : 1981

NAC ADMIN ID	CITY	LOCATION ST ACEX	CONTACT	AGENCY INF			TERMINAL INF				CIRCUIT INF			RESOURCE		TRAF TYPE
				OFF	PROG	APPL	TYPE	MODEL	SYNO	NDV	TYPE	SPEED	GSA-ID	ONTS	HQST	
OST	OS136	WASH	DC 202426 RAY SMITH	HDQT		TAOS	AN	VT100	ASYN	1	CABL	300		TLC	PRIME	INTER
OST	OS137	WASH	DC 202426 RAY SMITH	HDQT		TAOS	AN	VT100	ASYN	1	CABL	300		TCC	PRIME	INTER
OST	OS138	WASH	DC 202426 RAY SMITH	HDQT		TAOS	AN	VT100	ASYN	1	CABL	300		TCL	PRIME	INTER
OST	OS139	WASH	DC 202426 RAY SMITH	HDQT		TAOS	AN	VT100	ASYN	1	CABL	300		TCC	PRIME	INTER
OST	OS140	WASH	DC 202426 RAY SMITH	HDQT		TAOS	AN	VT100	ASYN	1	FTS	300		TCC	PRIME	INTER
OST	OS141	WASH	DC 202426 RAY SMITH	HDQT		TAOS	AN	VT100	ASYN	1	FTS	300		TCC	PRIME	INTER

DEPARTMENT OF TRANSPORTATION
U.S. COAST GUARD ADMINISTRATION
OPERATIONAL TERMINAL LOCATIONS

TIME PERIOD : 1981

NAC ADMIN ID	CITY	LOCATION ST ACES	CONTACT	AGENCY INF			TERMINAL INF				CIRCUIT INF			RESOURCE		TRAF TYPE
				OFF	PROG	APPL	TYPE	MODEL	SYNC	NDV	TYPE	SPEED	GSA-ID	CNTR	HOST	
CG	CG019	BOSTON	MA 617567 G-FIS-1	DT1	OPER	AMVER	TP	TTY28	ASYN	1	MULT	75		TCC	C300	MSG
CG	CG020	STLOUIS	MO 314425 G-FIS-1	DT2	OPER	AMVER	TP	TTY28	ASYN	1	MULT	75		TCC	C300	MSG
CG	CG021	NYC	NY 212995 G-FIS-1	DT3	OPER	AMVER	TP	TTY28	ASYN	1	MULT	75		TCC	C300	MSG
CG	CG022	FORTSMTH	VA 804393 G-FIS-1	DT5	OPER	AMVER	TP	TTY28	ASYN	1	MULT	75		TCC	C300	MSG
CG	CG023	MIAMI	FL 305350 G-FIS-1	DT7	OPER	AMVER	TP	TTY28	ASYN	1	MULT	75		TCC	C300	MSG
CG	CG024	NEW ORLNS	LA 504589 G-FIS-1	DT8	OPER	AMVER	TP	TTY28	ASYN	1	MULT	75		TCC	C300	MSG
CG	CG025	CLEVELAND	OH 216522 G-FIS-1	DT9	OPER	AMVER	TP	TTY28	ASYN	1	MULT	75		TCC	C300	MSG
CG	CG026	LONGBEACH	CA 213403 G-FIS-1	DT11	OPER	AMVER	TP	TTY28	ASYN	1	MULT	75		TCC	C300	MSG
CG	CG027	SANFRAN	CA 415556 G-FIS-1	DT12	OPER	AMVER	TP	TTY28	ASYN	1	MULT	75		TCC	C300	MSG
CG	CG028	SEATTLE	WA 344549 G-FIS-1	DT13	OPER	AMVER	TP	TTY28	ASYN	1	MULT	75		TCC	C300	MSG
CG	CG029	HONOLULU	HI 808546 G-FIS-1	DT14	OPER	AMVER	TP	TTY28	ASYN	1	WATS	75		TCC	C300	MSG
CG	CG030	UNEAU	AK 907586 G-FIS-1	DT17	OPER	AMVER	TP	TTY28	ASYN	1	DDD	75		TCC	C300	MSG
CG	CG031	NYC-AMVER	NY 212995 G-FIS-1	AMVR	OPER	AMVER	TP	TTY28	ASYN	1	MULT	75		TCC	C300	MSG
CG	CG032	NYC-AMVER	NY 212995 G-FIS-1	AMVR	OPER	AMVER	TP	TTY28	ASYN	1	MULT	75		TCC	C300	MSG

DEPARTMENT OF TRANSPORTATION
U.S. COAST GUARD ADMINISTRATION
ADMINISTRATIVE TERMINAL LOCATIONS

TIME PERIOD : 1981

ADMIN ID	NAC CITY	LOCATION ST ACEX	CONTACT	AGENCY INF OFF PROG APPL	TERMINAL INF TYPE MODEL SYNC NDV	CIRCUIT INF TYPE SPEED GSA-ID	RESOURCE CNTR HOST	TRAF TYPE
CG	CG001	BOSTON MA	617576 G-FIS-1	DT1 ADMIN DIST	RJE D100 SYNC 1 FX	2400	TCC C300	BATCH
CG	CG002	STLOUIS MO	314425 G-FIS-1	DT2 ADMIN DIST	RJE D100 SYNC 1 FX	2400	TCC C300	BATCH
CG	CG003	NYC NY	212995 G-FIS-1	DT3 ADMIN DIST	RJE D100 SYNC 1 FX	2400	TCC C300	BATCH
CG	CG004	PORTSMTH VA	804393 G-FIS-1	DT5 ADMIN DIST	RJE D100 SYNC 1 FX	2400	TCC C300	BATCH
CG	CG005	MIAMI FL	305350 G-FIS-1	DT7 ADMIN DIST	RJE D100 SYNC 1 FX	2400	TCC C300	BATCH
CG	CG006	NEW ORLNS LA	504589 G-FIS-1	DT8 ADMIN DIST	RJE D100 SYNC 1 FX	2400	TCC C300	BATCH
CG	CG007	CLEVELAND OH	216522 G-FIS-1	DT9 ADMIN DIST	RJE D100 SYNC 1 FX	2400	TCC C300	BATCH
CG	CG008	LONGBEACH CA	213423 G-FIS-1	DT11 ADMIN DIST	RJE D100 SYNC 1 LPP	9600	TCC C300	BATCH
CG	CG009	SANFRAN CA	415556 G-FIS-1	DT12 ADMIN DIST	RJE D100 SYNC 1 LPP	9600	TCC C300	BATCH
CG	CG010	SEATTLE WA	399549 G-FIS-1	DT13 ADMIN DIST	RJE D100 SYNC 1 LPP	9600	TCC C300	BATCH
CG	CG011	NYC-AMVER NY	212995 G-FIS-1	AMVR ADMIN DIST	RJE D100 SYNC 1 FX	2400	TCC C300	BATCH
CG	CG012	WASH-FIS DC	202566 G-FIS-1	HDQT ADMIN DIST	RJE D100 SYNC 1 LD	2400	TCC C300	BATCH
CG	CG013	WASH-BS DC	202566 G-FIS-1	HDQT ADMIN DIST	RJE D100 SYNC 1 LD	2400	TCC C300	BATCH
CG	CG014	WASH-JUMP DC	202566 G-FIS-1	HDQT ADMIN DIST	RJE D100 SYNC 1 LD	2400	TCC C300	BATCH
CG	CG015	WASH-OCN DC	202566 G-FIS-1	HDQT ADMIN DIST	RJE D100 SYNC 1 LD	2400	TCC C300	BATCH
CG	CG016	GROTON CT	203445 G-FIS-1	LAB ADMIN DIST	RJE D100 SYNC 1 FX	2400	TCC C300	BATCH
CG	CG017	HONOLULU HI	808546 G-FIS-1	DT14 ADMIN DIST	RJE D100 SYNC 1 WATS	2400	TCC C300	BATCH
CG	CG018	JUNEAU AK	907586 G-FIS-1	DT17 ADMIN DIST	RJE D100 SYNC 1 DDD	2400	TCC C300	BATCH

DEPARTMENT OF TRANSPORTATION
U.S. COAST GUARD ADMINISTRATION
OPERATIONAL TERMINAL LOCATIONS

TIME PERIOD : 1983

NAI ADMIN ID	CITY	LOCATION ST ASEA	CONTACT	AGENCY INF			TERMINAL INF			CIRCUIT INF			RESOURCE		TRAF TYPE	
				OFF	PRDG	APPL	TYPE	MODEL	SYNC	NDV	TYPE	SPEED	GSA-ID	CNTR	HOST	
CG	CG014	BOSTON	MA 617567 G-FIS-1	DT1	OPER	AMVER	TP	TTY28	ASYN	1	83B3	1200		TCC	1360	MSG
CG	CG020	ST LOUIS	MO 314425 G-FIS-1	LT2	OPER	AMVER	TP	TTY28	ASYN	1	83B3	1200		TCC	1360	MSG
CG	CG021	NYC	NY 212995 G-FIS-1	DT3	OPER	AMVER	TP	TTY28	ASYN	1	83B3	1200		TCC	1360	MSG
CG	CG022	PORTSMTH	VA 804393 G-FIS-1	DT5	OPER	AMVER	TP	TTY28	ASYN	1	83B3	1200		TCC	1360	MSG
CG	CG023	MIAMI	FL 305350 G-FIS-1	DT7	OPER	AMVER	TP	TTY28	ASYN	1	83B3	1200		TCC	1360	MSG
CG	CG024	NEW ORLNS	LA 504589 G-FIS-1	DT8	OPER	AMVER	TP	TTY28	ASYN	1	83B3	1200		TCC	1360	MSG
CG	CG025	CLEVELAND	OH 216522 G-FIS-1	DT9	OPER	AMVER	TP	TTY28	ASYN	1	83B3	1200		TCC	1360	MSG
CG	CG026	LONG BEACH	CA 213403 G-FIS-1	DT11	OPER	AMVER	TP	TTY28	ASYN	1	83B3	1200		TCC	1360	MSG
CG	CG027	SANFRAN	CA 415556 G-FIS-1	DT12	OPER	AMVER	TP	TTY28	ASYN	1	83B3	1200		TCC	1360	MSG
CG	CG028	SEATTLE	WA 399549 G-FIS-1	DT13	OPER	AMVER	TP	TTY28	ASYN	1	83B3	1200		TCC	1360	MSG
CG	CG029	HONOLULU	HI 808546 G-FIS-1	DT14	OPER	AMVER	TP	TTY28	ASYN	1	WATS	1200		TCC	1360	MSG
CG	CG030	DUNEDIN	AK 907586 G-FIS-1	DT17	OPER	AMVER	TP	TTY28	ASYN	1	DD	1200		TCC	1360	MSG
CG	CG031	NYL-AMVER	NY 212995 G-FIS-1	AMVR	OPER	AMVER	TP	TTY28	ASYN	1	83B3	1200		TCC	1360	MSG
CG	CG032	NYL-AMVER	NY 212995 G-FIS-1	AMVR	OPER	AMVER	TP	TTY28	ASYN	1	83B3	1200		TCC	1360	MSG
CG	CG170	PORTLAND	ME 207780 G-FIS-1	MS0	OPER	MSIS	AN		ASYN	2	VAN	1200		QCC	P750	INTER
CG	CG171	PORTLAND	ME 207780 G-FIS-1	D0	OPER	MSIS	AN		ASYN	1	VAN	1200		QCC	P750	INTER
CG	CG172	ROCKLAND	ME 207594 G-FIS-1	D0	OPER	MSIS	AN		ASYN	1	VAN	1200		QCC	P750	INTER
CG	CG179	BOSTON	MA 617223 G-FIS-1	MS0	OPER	MSIS	AN		ASYN	4	VAN	1200		QCC	P750	INTER
CG	CG180	BOSTON	MA 617223 G-FIS-1	D0	OPER	MSIS	AN		ASYN	1	VAN	1200		QCC	P750	INTER
CG	CG181	GLOUSTR	MA 617233 G-FIS-1	D0	OPER	MSIS	AN		ASYN	1	VAN	1200		QCC	P750	INTER

DEPARTMENT OF TRANSPORTATION
U.S. COAST GUARD ADMINISTRATION
OPERATIONAL TERMINAL LOCATIONS

TIME PERIOD : 1983

ADMIN ID	NAC	CITY	LOCATION ST AEX	CONTACT	AGENCY INF			TERMINAL INF			CIRCUIT INF			RESOURCE		TELE- TYPE	
					OFF	PROG	APPL	TYPE	MODEL	SYNC	NOV	TYPE	SPEED	SSA-ID	LNTR	HQST	
CG	CG182	BEDFORD	MA	617997	G-FIS-1	DO	OPER	MSIS	AN	ASYN	1	VAN	1200	000	F750	INTER	
CG	CG183	PROVIDENCE	RI	401528	G-FIS-1	MSO	OPER	MSIS	AN	ASYN	3	VAN	1200	000	F750	INTER	
CG	CG184	PROVIDENCE	RI	401528	G-FIS-1	MSO	OPER	MSIS	AN	ASYN	1	VAN	1200	000	F750	INTER	
CG	CG185	BOSTON	MA	617223	G-FIS-1	DT1	OPER	MSIS	AN	ASYN	3	VAN	1200	000	F750	INTER	
CG	CG186	BOSTON	MA	617223	G-FIS-1	OPCN	OPER	SARS	AN	ASYN	2	VAN	1200	000	F750	INTER	
CG	CG187	ST LOUIS	MO	314425	G-FIS-1	DT2	OPER	MSIS	AN	ASYN	2	VAN	1200	000	F750	INTER	
CG	CG188	ST LOUIS	MO	314425	G-FIS-1	OPCN	OPER	SARS	AN	ASYN	2	VAN	1200	000	F750	INTER	
CG	CG189	ALBANY	NY	518472	G-FIS-1	MSO	OPER	MSIS	AN	ASYN	2	VAN	1200	000	F750	INTER	
CG	CG190	ALBANY	NY	518472	G-FIS-1	DO	OPER	MSIS	AN	ASYN	1	VAN	1200	000	F750	INTER	
CG	CG191	NEW HAVEN	CT	203432	G-FIS-1	MSO	OPER	MSIS	AN	ASYN	1	VAN	1200	000	F750	INTER	
CG	CG192	NEW LONDON	CT	203442	G-FIS-1	MSO	OPER	MSIS	AN	ASYN	1	VAN	1200	000	F750	INTER	
CG	CG193	NYC	NY	212668	G-FIS-1	COTP	OPER	MSIS	AN	ASYN	2	VAN	1200	000	F750	INTER	
CG	CG194	NYC	NY	212668	G-FIS-1	MIO	OPER	MSIS	AN	ASYN	6	VAN	1200	000	F750	INTER	
CG	CG195	NYC	NY	212668	G-FIS-1	DO	OPER	MSIS	AN	ASYN	1	VAN	1200	000	F750	INTER	
CG	CG196	NEW LONDON	CT	203442	G-FIS-1	DO	OPER	MSIS	AN	ASYN	1	VAN	1200	000	F750	INTER	
CG	CG197	BRIDGEPORT	CT	203579	G-FIS-1	DO	OPER	MSIS	AN	ASYN	1	VAN	1200	000	F750	INTER	
CG	CG198	PHILA	PA	215456	G-FIS-1	COTP	OPER	MSIS	AN	ASYN	1	VAN	1200	000	F750	INTER	
CG	CG199	PHILA	PA	215466	G-FIS-1	MIO	OPER	MSIS	AN	ASYN	5	VAN	1200	000	F750	INTER	
CG	CG200	PHILA	PA	215597	G-FIS-1	DO	OPER	MSIS	AN	ASYN	1	VAN	1200	000	F750	INTER	
CG	CG201	WILMINGTON	NC	302537	G-FIS-1	DO	OPER	MSIS	AN	ASYN	2	VAN	1200	000	F750	INTER	

DEPARTMENT OF TRANSPORTATION
U.S. COAST GUARD ADMINISTRATION
OPERATIONAL TERMINAL LOCATIONS

TIME PERIOD : 1993

NAC ADMIN ID	CITY	LOCATION ST ACEX	CONTACT	AGENCY INF			TERMINAL INF			CIRCUIT INF			RESOURCE		TRAF TYPE	
				OFF	PROG	APPL	TYPE	MODEL	SYNO	NOV	TYPE	SPEED	GS4-ID	ENTR	HOS1	
CG	CG202	NYC	NY 212668	G-FIS-1	SRH	OPER	MSIS	AN	ASYN	3	VAN	2400		000	P750	INTER
CG	CG203	NYC-HUD	NY 212668	G-FIS-1	000	OPER	MSIS	AN	ASYN	8	VAN	1200		000	P750	INTER
CG	CG204	NYC-DOJ	NY 212668	G-FIS-1	000	OPER	MSIS	AN	ASYN	5	VAN	4000		000	P750	INTER
CG	CG205	NYC	NY 212668	G-FIS-1	AD	OPER	MSIS	AN	ASYN	4	VAN	1200		000	P750	INTER
CG	CG206	NYC	NY 212668	G-FIS-1	DT3	OPER	MSIS	AN	ASYN	3	VAN	1200		000	P750	INTER
CG	CG207	NYC	NY 212668	G-FIS-1	OPCN	OPER	SARS	AN	ASYN	3	VAN	2400		000	P750	INTER
CG	CG208	NEWLONDON CT	203642	G-FIS-1	ACAD	OPER	MSIS	AN	ASYN	1	VAN	4000		000	P750	INTER
CG	CG209	HAMPRDS	VA 804441	G-FIS-1	MSO	OPER	MSIS	AN	ASYN	3	VAN	1200		000	P750	INTER
CG	CG210	NORFOLK	VA 804441	G-FIS-1	DO	OPER	MSIS	AN	ASYN	1	VAN	1200		000	P750	INTER
CG	CG211	REEDVILLE	VA 804453	G-FIS-1	DO	OPER	MSIS	AN	ASYN	1	VAN	1200		000	P750	INTER
CG	CG212	BALTIMORE MD	301962	G-FIS-1	MSO	OPER	MSIS	AN	ASYN	3	VAN	1200		000	P750	INTER
CG	CG213	WASH	DC 202426	G-FIS-1	DO	OPER	MSIS	AN	ASYN	3	VAN	1200		000	P750	INTER
CG	CG214	CAMBRIDGE MD	301228	G-FIS-1	DO	OPER	MSIS	AN	ASYN	3	VAN	1200		000	P750	INTER
CG	CG215	BALTIMORE MD	301752	G-FIS-1	DO	OPER	MSIS	AN	ASYN	3	VAN	1200		000	P750	INTER
CG	CG216	WILMINGTON NC	919343	G-FIS-1	MSO	OPER	MSIS	AN	ASYN	3	VAN	1200		000	P750	INTER
CG	CG217	WILMINGTON NC	919343	G-FIS-1	DO	OPER	MSIS	AN	ASYN	1	VAN	1200		000	P750	INTER
CG	CG218	MOREHEADCTY NC	919726	G-FIS-1	DO	OPER	MSIS	AN	ASYN	1	VAN	1200		000	P750	INTER
CG	CG219	YORKTOWN	VA 804827	G-FIS-1	RSRV	OPER	MSIS	AN	ASYN	1	VAN	1200		000	P750	INTER
CG	CG220	PORTSMTH	VA 804398	G-FIS-1	DT5	OPER	MSIS	AN	ASYN	5	VAN	1200		000	P750	INTER
CG	CG221	PORTSMTH	VA 804398	G-FIS-1	OPCN	OPER	SARS	AN	ASYN	2	VAN	2400		000	P750	INTER

DEPARTMENT OF TRANSPORTATION
U.S. COAST GUARD ADMINISTRATION
OPERATIONAL TERMINAL LOCATIONS

TIME PERIOD : 1983

NAC	LOCATION	CONTACT	AGENCY INF	TERMINAL INF	CIRCUIT INF	RESOURCE	
ADMIN ID	CITY	ST ACES	OFF PROG APPL	TYPE MODEL SYNC NDV	TYPE SPEED GSA-ID	CNTR HOST	TYPE
CG 06222	WASH-DCEN	DC 202426	G-FIS-1	HDOT OPER MSIS	AN ASYN 2 VAN 2400	000 F750	INTER
CG 06223	WASH	DC 202426	G-FIS-1	HDOT OPER MSIS	AN ASYN 8 VAN 2400	000 F750	INTER
CG 06224	WASH	DC 202426	G-FIS-1	HDOT OPER MSIS	AN ASYN 8 VAN 2400	000 F750	INTER
CG 06225	WASH	DC 202426	G-FIS-1	NMFS OPER MSIS	AN ASYN 1 VAN 2400	000 F750	INTER
CG 06226	WASH	DC 202426	G-FIS-1	USN OPER MSIS	AN ASYN 1 VAN 4800	000 F750	INTER
CG 06227	MIAMI	FL 305672	G-FIS-1	COTP OPER MSIS	AN ASYN 1 VAN 1200	000 F750	INTER
CG 06228	CHARLETON	SC 803724	G-FIS-1	MSO OPER MSIS	AN ASYN 1 VAN 1200	000 F750	INTER
CG 06229	CHARLETON	SC 803724	G-FIS-1	DO OPER MSIS	AN ASYN 1 VAN 1200	000 F750	INTER
CG 06230	JACKSONVL	FL 904791	G-FIS-1	MSO OPER MSIS	AN ASYN 1 VAN 1200	000 F750	INTER
CG 06231	JACKSONVL	FL 904791	G-FIS-1	DO OPER MSIS	AN ASYN 1 VAN 1200	000 F750	INTER
CG 06232	TAMPA	FL 813228	G-FIS-1	MSO OPER MSIS	AN ASYN 4 VAN 1200	000 F750	INTER
CG 06233	TAMPA	FL 813228	G-FIS-1	DO OPER MSIS	AN ASYN 1 VAN 1200	000 F750	INTER
CG 06234	SAVANNAH	GA 912232	G-FIS-1	DO OPER MSIS	AN ASYN 1 VAN 1200	000 F750	INTER
CG 06235	SAVANNAH	GA 912232	G-FIS-1	MSO OPER MSIS	AN ASYN 1 VAN 1200	000 F750	INTER
CG 06236	MIAMI	FL 305350	G-FIS-1	MIO OPER MSIS	AN ASYN 4 VAN 1200	000 F750	INTER
CG 06237	MIAMI	FL 305350	G-FIS-1	DO OPER MSIS	AN ASYN 1 VAN 1200	000 F750	INTER
CG 06238	WP BEACH	FL 305833	G-FIS-1	DO OPER MSIS	AN ASYN 1 VAN 1200	000 F750	INTER
CG 06239	KEY WEST	FL 305294	G-FIS-1	DO OPER MSIS	AN ASYN 1 VAN 1200	000 F750	INTER
CG 06240	MIAMI	FL 305350	G-FIS-1	DT7 OPER MSIS	AN ASYN 3 VAN 1200	000 F750	INTER
CG 06241	MIAMI	FL 305350	G-FIS-1	OPCN OPER SARG	AN ASYN 2 VAN 1200	000 F750	INTER

DEPARTMENT OF TRANSPORTATION
U.S. COAST GUARD ADMINISTRATION
OPERATIONAL TERMINAL LOCATIONS
TIME PERIOD : 1983

NAC ADMIN ID	CITY	LOCATION ST ACOX	CONTACT	AGENCY INF		TERMINAL INF				CIRCUIT INF		RESOURCE		TYPE	
				OFF	PROG APPL	TYPE	MODEL	SYNC	NDV	TYPE	SPEED	GSA-ID	CONTR		HQST
CG	00242	HOUSTON	TX 713226	G-FIS-1	COTP	OPER MSIS	AN		ASYN	2	VAN	1200	000	P750	INTER
CG	00243	NEW ORLNS	LA 504589	G-FIS-1	COTP	OPER MSIS	AN		ASYN	1	VAN	1200	000	P750	INTER
CG	00244	HOUSTON	TX 713226	G-FIS-1	MIO	OPER MSIS	AN		ASYN	3	VAN	1200	000	P750	INTER
CG	00245	HOUSTON	TX 713226	G-FIS-1	DO	OPER MSIS	AN		ASYN	1	VAN	1200	000	P750	INTER
CG	00246	NEW ORLNS	LA 504589	G-FIS-1	MIO	OPER MSIS	AN		ASYN	7	VAN	1200	000	P750	INTER
CG	00247	NEW ORLNS	LA 504589	G-FIS-1	DO	OPER MSIS	AN		ASYN	1	VAN	1200	000	P750	INTER
CG	00248	EATONRGE	LA 504389	G-FIS-1	DO	OPER MSIS	AN		ASYN	1	VAN	1200	000	P750	INTER
CG	00249	MOUMA	LA 504879	G-FIS-1	DO	OPER MSIS	AN		ASYN	1	VAN	1200	000	P750	INTER
CG	00250	MORGANTY	LA 504384	G-FIS-1	DO	OPER MSIS	AN		ASYN	1	VAN	1200	000	P750	INTER
CG	00251	GALVESTN	TX 713763	G-FIS-1	MSO	OPER MSIS	AN		ASYN	3	VAN	1200	000	P750	INTER
CG	00252	GALVESTN	TX 713763	G-FIS-1	DO	OPER MSIS	AN		ASYN	1	VAN	1200	000	P750	INTER
CG	00253	PTARTHUR	TX 713983	G-FIS-1	MSO	OPER MSIS	AN		ASYN	3	VAN	1200	000	P750	INTER
CG	00254	PTARTHUR	TX 713983	G-FIS-1	DO	OPER MSIS	AN		ASYN	1	VAN	1200	000	P750	INTER
CG	00255	MOBILE	AL 205690	G-FIS-1	MSO	OPER MSIS	AN		ASYN	3	VAN	1200	000	P750	INTER
CG	00256	MOBILE	AL 205690	G-FIS-1	DO	OPER MSIS	AN		ASYN	1	VAN	1200	000	P750	INTER
CG	00257	PENSACOLA	FL 904432	G-FIS-1	DO	OPER MSIS	AN		ASYN	1	VAN	1200	000	P750	INTER
CG	00258	BILOXI	MS 601432	G-FIS-1	DO	OPER MSIS	AN		ASYN	1	VAN	1200	000	P750	INTER
CG	00259	CRPCHRIST	TX 512888	G-FIS-1	MSO	OPER MSIS	AN		ASYN	3	VAN	1200	000	P750	INTER
CG	00260	CRPCHRIST	TX 512888	G-FIS-1	DO	OPER MSIS	AN		ASYN	1	VAN	1200	000	P750	INTER
CG	00261	BROWNVILLE	TX 512546	G-FIS-1	DO	OPER MSIS	AN		ASYN	1	VAN	1200	000	P750	INTER

DEPARTMENT OF TRANSPORTATION
U.S. COAST GUARD ADMINISTRATION

OPERATIONAL TERMINAL LOCATIONS

TIME PERIOD : 1983

NAC ADMIN ID	CITY	LOCATION ST ACEX	CONTACT	AGENCY INF OFF PROG APPL	TERMINAL INF TYPE MODEL SYNC	CIRCUIT INF NDV TYPE SPEED	RESOURCE GSA-ID	RESOURCES INTR HD T	FILE TYPE
CG 06262	NEW ORLNS	LA 504589	G-FIS-1	DT8 OPER MSIS	AN ASYN	4 VAN 1200	000 P75	INTER	
CG 06263	NEW ORLNS	LA 504589	G-FIS-1	OPCN OPER SARS	AN ASYN	2 VAN 1200	000 P75	INTER	
CG 06264	CLEVELAND	LA 216522	G-FIS-1	DT9 OPER MSIS	AN ASYN	5 VAN 1200	000 P75	INTER	
CG 06265	CLEVELAND	LA 216522	G-FIS-1	OPCN OPER SARS	AN ASYN	2 VAN 1200	000 P75	INTER	
CG 06266	LONGBEACH	CA 213590	G-FIS-1	COTP OPER MSIS	AN ASYN	2 VAN 1200	000 P75	INTER	
CG 06267	LONGBEACH	CA 213590	G-FIS-1	MIO OPER MSIS	AN ASYN	4 VAN 1200	000 P75	INTER	
CG 06268	LONGBEACH	CA 213590	G-FIS-1	DO OPER MSIS	AN ASYN	1 VAN 1200	000 P75	INTER	
CG 06269	SAN DIEGO	CA 714293	G-FIS-1	MSO OPER MSIS	AN ASYN	2 VAN 1200	000 P75	INTER	
CG 06270	SAN DIEGO	CA 714293	G-FIS-1	DO OPER MSIS	AN ASYN	1 VAN 1200	000 P75	INTER	
CG 06271	LONGBEACH	CA 213590	G-FIS-1	DT11 OPER MSIS	AN ASYN	3 VAN 1200	000 P75	INTER	
CG 06272	LONGBEACH	CA 213590	G-FIS-1	OPCN OPER SARS	AN ASYN	2 VAN 1200	000 P75	INTER	
CG 06273	MONTEREY	CA 408375	G-FIS-1	COTP OPER MSIS	AN ASYN	1 VAN 1200	000 P75	INTER	
CG 06274	HUMBOLDT	CA 707443	G-FIS-1	COTP OPER MSIS	AN ASYN	1 VAN 1200	000 P75	INTER	
CG 06275	SAN FRAN	CA 415556	G-FIS-1	MSO OPER MSIS	AN ASYN	6 VAN 1200	000 P75	INTER	
CG 06276	SAN FRAN	CA 415556	G-FIS-1	DO OPER MSIS	AN ASYN	1 VAN 1200	000 P75	INTER	
CG 06277	EUREKA	CA 707443	G-FIS-1	DO OPER MSIS	AN ASYN	1 VAN 1200	000 P75	INTER	
CG 06278	SAN FRAN	CA 415556	G-FIS-1	AO OPER MSIS	AN ASYN	4 VAN 1200	000 P75	INTER	
CG 06279	SAN FRAN	CA 415556	G-FIS-1	DT12 OPER MSIS	AN ASYN	5 VAN 1200	000 P75	INTER	
CG 06280	MONTEREY	CA 408375	G-FIS-1	FNOC OPER MSIS	AN ASYN	1 VAN 1200	000 P75	INTER	
CG 06281	SEATTLE	WA 206442	G-FIS-1	MIO OPER MSIS	AN ASYN	4 VAN 1200	000 P75	INTER	

DEPARTMENT OF TRANSPORTATION
U.S. COAST GUARD ADMINISTRATION
OPERATIONAL TERMINAL LOCATIONS
TIME PERIOD : 1983

ADMIN	NAC ID	CITY	LOCATION ST ALEX	CONTACT	AGENCY INF OFF PRG APPL	TERMINAL INF TYPE MODEL SYNC NDV	CIRCUIT INF TYPE SPEED GSA-ID	RESOURCE CNTR HOST	TRAF TYPE
CG	CG282	SEATTLE	WA 206442	G-FIS-1	DO OPER MSIS	AN ASYN 1 VAN	1200	OCC P750	INTER
CG	CG283	TAKOMA	WA 206593	G-FIS-1	DO OPER MSIS	AN ASYN 1 VAN	1200	OCC P750	INTER
CG	CG284	PORT ANG	WA 206452	G-FIS-1	DO OPER MSIS	AN ASYN 1 VAN	1200	OCC P750	INTER
CG	CG285	BELLING	WA 206660	G-FIS-1	DO OPER MSIS	AN ASYN 1 VAN	1200	OCC P750	INTER
CG	CG286	PORTLAND	OR 503221	G-FIS-1	MSO OPER MSIS	AN ASYN 3 VAN	1200	OCC P750	INTER
CG	CG287	PORTLAND	OR 503221	G-FIS-1	DO OPER MSIS	AN ASYN 1 VAN	1200	OCC P750	INTER
CG	CG288	COOS BAY	OR 503269	G-FIS-1	DO OPER MSIS	AN ASYN 1 VAN	1200	OCC P750	INTER
CG	CG289	ABERDEEN	WA 206532	G-FIS-1	DO OPER MSIS	AN ASYN 1 VAN	1200	OCC P750	INTER
CG	CG290	ASTORIA	OR 503269	G-FIS-1	DO OPER MSIS	AN ASYN 1 VAN	1200	OCC P750	INTER
CG	CG291	SEATTLE	WA 206442	G-FIS-1	DT13 OPER MSIS	AN ASYN 3 VAN	1200	OCC P750	INTER
CG	CG292	SEATTLE	WA 206442	G-FIS-1	OPCN OPER SRS	AN ASYN 2 VAN	1200	OCC P750	INTER
CG	CG293	JUNEAU	AK 907586	G-FIS-1	DT17 OPER MSIS	AN ASYN 3 VAN	1200	OCC P750	INTER
CG	CG294	JUNEAU	AK 907586	G-FIS-1	OPCN OPER SRS	AN ASYN 2 VAN	1200	OCC P750	INTER
CG	CG295	KODIAK	AK 907487	G-FIS-1	RCC OPER MSIS	AN ASYN 2 VAN	1200	OCC P750	INTER
CG	CG295	HONOLULU	HI 808546	G-FIS-1	DT14 OPER MSIS	AN ASYN 2 VAN	1200	OCC P750	INTER
CG	CG297	HONOLULU	HI 808546	G-FIS-1	OPCN OPER SRS	AN ASYN 2 VAN	1200	OCC P750	INTER
CG	CG298	SAN JUAN	PR 809725	G-FIS-1	MSO OPER MSIS	AN ASYN 3 VAN	1200	OCC P750	INTER
CG	CG299	SAN JUAN	PR 809725	G-FIS-1	DO OPER MSIS	AN ASYN 1 VAN	1200	OCC P750	INTER
CG	CG300	SAN JUAN	PR 809725	G-FIS-1	RCC OPER SRS	AN ASYN 2 VAN	1200	OCC P750	INTER
CG	CG301	GUAM	*****	G-FIS-1	MAR OPER MSIS	AN ASYN 2 VAN	1200	OCC P750	INTER

DEPARTMENT OF TRANSPORTATION
U.S. COAST GUARD ADMINISTRATION
OPERATIONAL TERMINAL LOCATIONS
TIME PERIOD : 1983

NAC ADMIN ID	CITY	LOCATION ST ADEX	CONTACT	AGENCY INF OFF PROG APPL	TERMINAL INF TYPE MODEL SYNC NDV	CIRCUIT INF TYPE SPEED CSA-ID	RESOURCE CNTR HOST	THAF TYPE
CG 06302	BOSTON	MA 617576	G-FIS-1	DT1 OPER SAR	AN ASYN 3 VAN	1200	000 P750	INTER
CG 06303	STLOUIS	MO 314425	G-FIS-1	DT2 OPER SAR	AN ASYN 3 VAN	1200	000 P750	INTER
CG 06304	NYC	NY 212995	G-FIS-1	DT3 OPER SAR	AN ASYN 4 VAN	1200	000 P750	INTER
CG 06305	PORTSMTH	VA 804393	G-FIS-1	DT5 OPER SAR	AN ASYN 4 VAN	1200	000 P750	INTER
CG 06306	MIAMI	FL 305350	G-FIS-1	DT7 OPER SAR	AN ASYN 3 VAN	1200	000 P750	INTER
CG 06307	NEW ORLNS	LA 504589	G-FIS-1	DT8 OPER SAR	AN ASYN 4 VAN	1200	000 P750	INTER
CG 06308	CLEVELAND	OH 216522	G-FIS-1	DT9 OPER SAR	AN ASYN 5 VAN	1200	000 P750	INTER
CG 06309	LONGBEACH	CA 213423	G-FIS-1	DT11 OPER SAR	AN ASYN 3 VAN	1200	000 P750	INTER
CG 06310	SANFRAN	CA 415556	G-FIS-1	DT12 OPER SAR	AN ASYN 3 VAN	1200	000 P750	INTER
CG 06311	SEATTLE	WA 399549	G-FIS-1	DT13 OPER SAR	AN ASYN 3 VAN	1200	000 P750	INTER
CG 06312	HONOLULU	HI 808546	G-FIS-1	DT14 OPER SAR	AN ASYN 3 WAN	1200	000 P750	INTER
CG 06313	JUNEAU	AK 907586	G-FIS-1	DT17 OPER SAR	AN ASYN 3 VAN	1200	000 P750	INTER
CG 06314	SAN JUAN	PR 809725	G-FIS-1	CNTR OPER SAR	AN ASYN 1 VAN	1200	000 P750	INTER
CG 06315	KODIAK	AK 907483	G-FIS-1	CNTR OPER SAR	AN ASYN 1 VAN	1200	000 P750	INTER
CG 06316	SCOTT AFB	*****	G-FIS-1	AFB OPER SAR	AN ASYN 1 VAN	1200	000 P750	INTER

DEPARTMENT OF TRANSPORTATION
U.S. COAST GUARD ADMINISTRATION
ADMINISTRATIVE TERMINAL LOCATIONS

TIME PERIOD : 1983

ADMIN	NAC ID	CITY	LOCATION ST AEX	CONTACT	AGENCY INF			TERMINAL INF			CIRCUIT INF			RESOURCE		TRAF TYPE	
					OFF	PRG	APPL	TYPE	MODEL	SYNC	NDV	TYPE	SPEED	GSA-ID	CNTR		HOST
CG	CG001	BOSTON	MA	617576	G-FIS-1	DT1	ADMIN	DIST	RJE	D100	SYNC	1	FX	2400	TCC	C300	BATCH
CG	CG002	STLOUIS	MO	314425	G-FIS-1	DT2	ADMIN	DIST	RJE	D100	SYNC	1	FX	2400	TCC	C300	BATCH
CG	CG004	PORTSMTH	MA	804393	G-FIS-1	DT5	ADMIN	DIST	RJE	D100	SYNC	1	FX	2400	TCC	C300	BATCH
CG	CG003	NYC	NY	212995	G-FIS-1	DT3	ADMIN	DIST	RJE	D100	SYNC	1	FX	2400	TCC	C300	BATCH
CG	CG008	LONGBEACH	CA	213423	G-FIS-1	DT11	ADMIN	DIST	RJE	D100	SYNC	1	LPP	9600	TCC	C300	BATCH
CG	CG007	CLEVELAND	OH	214522	G-FIS-1	DT9	ADMIN	DIST	RJE	D100	SYNC	1	FX	2400	TCC	C300	BATCH
CG	CG006	NEW ORLNS	LA	504589	G-FIS-1	DT8	ADMIN	DIST	RJE	D100	SYNC	1	FX	2400	TCC	C300	BATCH
CG	CG005	MIAMI	FL	305350	G-FIS-1	DT7	ADMIN	DIST	RJE	D100	SYNC	1	FX	2400	TCC	C300	BATCH
CG	CG016	GROTON	CT	203445	G-FIS-1	LAB	ADMIN	DIST	RJE	D100	SYNC	1	FX	2400	TCC	C300	BATCH
CG	CG015	WASH-DCN	DC	202566	G-FIS-1	HDQT	ADMIN	DIST	RJE	D100	SYNC	1	LD	2400	TCC	C300	BATCH
CG	CG014	WASH-JUMP	DC	202566	G-FIS-1	HDQT	ADMIN	DIST	RJE	D100	SYNC	1	LD	2400	TCC	C300	BATCH
CG	CG013	WASH-BS	DC	202566	G-FIS-1	HDQT	ADMIN	DIST	RJE	D100	SYNC	1	LD	2400	TCC	C300	BATCH
CG	CG012	WASH-FIS	DC	202566	G-FIS-1	HDQT	ADMIN	DIST	RJE	D100	SYNC	1	LD	2400	TCC	C300	BATCH
CG	CG011	NYC-AMVER	NY	212995	G-FIS-1	AMVR	ADMIN	DIST	RJE	D100	SYNC	1	FX	2400	TCC	C300	BATCH
CG	CG010	SEATTLE	WA	399549	G-FIS-1	DT13	ADMIN	DIST	RJE	D100	SYNC	1	LPP	9600	TCC	C300	BATCH
CG	CG009	SANFRAN	CA	415556	G-FIS-1	DT12	ADMIN	DIST	RJE	D100	SYNC	1	LPP	9600	TCC	C300	BATCH
CG	CG017	HONOLULU	HI	808546	G-FIS-1	DT14	ADMIN	DIST	RJE	D100	SYNC	1	WATS	2400	TCC	C300	BATCH
CG	CG018	JUNEAU	AK	907586	G-FIS-1	DT17	ADMIN	DIST	RJE	D100	SYNC	1	DDG	2400	TCC	C300	BATCH
CG	CG033	ALAMEDA	CA	415273	G-FIS-1	FLD	ADMIN	JUMPPS	AN		ASYN	1	VAN	1200	TCC	I300	INTER
CG	CG034	BALTIMORE	MD	301789	G-FIS-1	FLD	ADMIN	JUMPPS	AN		ASYN	1	VAN	1200	TCC	I300	INTER

DEPARTMENT OF TRANSPORTATION
U.S. COAST GUARD ADMINISTRATION
ADMINISTRATIVE TERMINAL LOCATIONS

TIME PERIOD : 1983

NAF ADMIN ID	CITY	LOCATION ST ACEX	CONTACT	AGENCY INF			TERMINAL INF				CIRCUIT INF			RESOURCE		TRAF TYPE
				OFF	PROG	APPL	TYPE	MODEL	SYNC	NDV	TYPE	SPEED	GSA-ID	ONTR	HOST	
CG	CG035	BOSTON	MA 617223 G-FIS-1	DT1	ADMIN	JUMPPS	AN		ASYN	1	VAN	1200		TCC	1360	INTER
CG	CG036	CAPE MAY	NJ 609884 G-FIS-1	FLD	ADMIN	JUMPPS	AN		ASYN	1	VAN	1200		TCC	1360	INTER
CG	CG037	CLEVELAND	OH 216522 G-FIS-1	DT9	ADMIN	JUMPPS	AN		ASYN	1	VAN	1200		TCC	1360	INTER
CG	CG038	ELIZACITY	NC 919338 G-FIS-1	ARSC	ADMIN	JUMPPS	AN		ASYN	1	VAN	1200		TCC	1360	INTER
CG	CG039	HONOLULU	HI 808546 G-FIS-1	DT14	ADMIN	JUMPPS	AN		ASYN	1	VAN	1200		TCC	1360	INTER
CG	CG040	JUNEAU	AK 907586 G-FIS-1	DT17	ADMIN	JUMPPS	AN		ASYN	1	VAN	1200		TCC	1360	INTER
CG	CG041	LONGBEACH	CA 213590 G-FIS-1	DT11	ADMIN	JUMPPS	AN		ASYN	1	VAN	1200		TCC	1360	INTER
CG	CG042	MIAMI	FL 305350 G-FIS-1	DT7	ADMIN	JUMPPS	AN		ASYN	1	VAN	1200		TCC	1360	INTER
CG	CG043	NEWLONDON	CT 203443 G-FIS-1	ACAD	ADMIN	JUMPPS	AN		ASYN	1	VAN	1200		TCC	1360	INTER
CG	CG044	NEW ORLNS	LA 504569 G-FIS-1	DT8	ADMIN	JUMPPS	AN		ASYN	1	VAN	1200		TCC	1360	INTER
CG	CG045	NYC	NY 212995 G-FIS-1	DT3	ADMIN	JUMPPS	AN		ASYN	1	VAN	1200		TCC	1360	INTER
CG	CG046	OKCITY	OK 405686 G-FIS-1	FLD	ADMIN	JUMPPS	AN		ASYN	1	VAN	1200		TCC	1360	INTER
CG	CG047	PETALUMA	CA 707762 G-FIS-1	FLD	ADMIN	JUMPPS	AN		ASYN	1	VAN	1200		TCC	1360	INTER
CG	CG048	PORTSMTH	VA 804396 G-FIS-1	DT5	ADMIN	JUMPPS	AN		ASYN	1	VAN	1200		TCC	1360	INTER
CG	CG049	SAN FRAN	CA 415556 G-FIS-1	DT12	ADMIN	JUMPPS	AN		ASYN	1	VAN	1200		TCC	1360	INTER
CG	CG050	SEATTLE	WA 206442 G-FIS-1	DT13	ADMIN	JUMPPS	AN		ASYN	1	VAN	1200		TCC	1360	INTER
CG	CG051	STLOUIS	MO 314425 G-FIS-1	DT2	ADMIN	JUMPPS	AN		ASYN	1	VAN	1200		TCC	1360	INTER
CG	CG052	YORKTOWN	VA 804827 G-FIS-1	FLD	ADMIN	JUMPPS	AN		ASYN	1	VAN	1200		TCC	1360	INTER
CG	CG073	WASH	DC 202426 G-FIS-1	MPC	ADMIN	JUMPPS	RJE	SYCOR	ASYN	3	LD	1200		MPC	0300	INTER
CG	CG074	WASH	DC 202426 G-FIS-1	MPC	ADMIN	JUMPPS	RJE	SYCOR	ASYN	3	LD	1200		MPC	0300	INTER

DEPARTMENT OF TRANSPORTATION
U.S. COAST GUARD ADMINISTRATION
ADMINISTRATIVE TERMINAL LOCATIONS

TIME PERIOD : 1983

NAI ADMIN ID	CITY	LOCATION ST ACEX	CONTACT	AGENCY INF			TERMINAL INF			CIRCUIT INF			RESOURCE		TRAF TYPE
				OFF	PRG	APPL	TYPE	MODEL	SYNC	NOV	TYPE	SPEED	USA-ID	CNTR	
CG 00075	BOSTON	MA 817232	G-FIS-1	DT1	ADMIN	JUMPPS	RJE	SYCOR	ASYN	1	DDD	1200	MPC	C300	BATCH
CG 00076	ST LOUIS	MO 314425	G-FIS-1	DT1	ADMIN	JUMPPS	RJE	SYCOR	ASYN	1	DDD	1200	MPC	C300	BATCH
CG 00077	NYC	NY 212668	G-FIS-1	DT3	ADMIN	JUMPPS	RJE	SYCOR	ASYN	1	DDD	1200	MPC	C300	BATCH
CG 00078	PORTSMTH	VA 804398	G-FIS-1	DT5	ADMIN	JUMPPS	RJE	SYCOR	ASYN	1	DDD	1200	MPC	C300	BATCH
CG 00079	MIAMI	FL 305350	G-FIS-1	DT7	ADMIN	JUMPPS	RJE	SYCOR	ASYN	1	DDD	1200	MPC	C300	BATCH
CG 00080	NEW ORLEANS	LA 504589	G-FIS-1	DT8	ADMIN	JUMPPS	RJE	SYCOR	ASYN	1	DDD	1200	MPC	C300	BATCH
CG 00081	CLEVELAND	OH 216522	G-FIS-1	DT9	ADMIN	JUMPPS	RJE	SYCOR	ASYN	1	DDD	1200	MPC	C300	BATCH
CG 00082	LONG BEACH	CA 213593	G-FIS-1	DT11	ADMIN	JUMPPS	RJE	SYCOR	ASYN	1	DDD	1200	MPC	C300	BATCH
CG 00083	SAN FRAN	CA 415556	G-FIS-1	DT12	ADMIN	JUMPPS	RJE	SYCOR	ASYN	1	DDD	1200	MPC	C300	BATCH
CG 00084	SEATTLE	WA 206442	G-FIS-1	DT12	ADMIN	JUMPPS	RJE	SYCOR	ASYN	1	DDD	1200	MPC	C300	BATCH
CG 00085	HONOLULU	HI 308546	G-FIS-1	DT14	ADMIN	JUMPPS	RJE	SYCOR	ASYN	1	DDD	1200	MPC	C300	BATCH
CG 00086	MILWAUKEE	WI 207586	G-FIS-1	DT17	ADMIN	JUMPPS	RJE	SYCOR	ASYN	1	DDD	1200	MPC	C300	BATCH
CG 00087	ST PETE	FL 813536	G-FIS-1	FLD	ADMIN	JUMPPS	RJE	SYCOR	ASYN	1	DDD	1200	MPC	C300	BATCH
CG 00088	ELIZACITY	NC 919338	G-FIS-1	ARSC	ADMIN	JUMPPS	RJE	SYCOR	ASYN	1	DDD	1200	MPC	C300	BATCH
CG 00089	CAPE MAY	NJ 609934	G-FIS-1	FLD	ADMIN	JUMPPS	RJE	SYCOR	ASYN	1	DDD	1200	MPC	C300	BATCH
CG 00090	ORA LOVA	FL 305681	G-FIS-1	FLD	ADMIN	JUMPPS	RJE	SYCOR	ASYN	1	DDD	1200	MPC	C300	BATCH
CG 00091	OAKCITY	OK 405686	G-FIS-1	FLD	ADMIN	JUMPPS	RJE	SYCOR	ASYN	1	DDD	1200	MPC	C300	BATCH
CG 00092	PETALUMA	CA 707762	G-FIS-1	FLD	ADMIN	JUMPPS	RJE	SYCOR	ASYN	1	DDD	1200	MPC	C300	BATCH
CG 00093	ALAMEDA	CA 415273	G-FIS-1	FLD	ADMIN	JUMPPS	RJE	SYCOR	ASYN	1	DDD	1200	MPC	C300	BATCH
CG 00094	YORRYTOWN	VA 804827	G-FIS-1	FLD	ADMIN	JUMPPS	RJE	SYCOR	ASYN	1	DDD	1200	MPC	C300	BATCH

DEPARTMENT OF TRANSPORTATION
U.S. COAST GUARD ADMINISTRATION
ADMINISTRATIVE TERMINAL LOCATIONS
TIME PERIOD : 1983

ADMIN ID	NAC CITY	LOCATION ST ACOX	CONTACT	AGENCY INF OFF	PROG AMPL	TERMINAL INF TYPE	MODEL	SYNC	NDV	CIRCUIT INF TYPE	SPEED	GSA-ID	RESOURCE CNTR	HOST	TRAF TYPE
CG	CG095	SACRAMENTO CA	916927 G-FIS-1	FLD	ADMIN JUMPPS	RJE	SYCOR	ASYN	1	DDO	1200		MPC	C300	BATCH
CG	CG096	NYC-AMVER NY	212668 G-FIS-1	AMVR	ADMIN JUMPPS	RJE	SYCOR	ASYN	1	DDO	1200		MPC	C300	BATCH
CG	CG097	WASH-DCN DC	202426 G-FIS-1	FLD	ADMIN JUMPPS	RJE	SYCOR	ASYN	1	LD	1200		MPC	C300	BATCH
CG	CG098	CAPE COD MA	617693 G-FIS-1	AS	ADMIN JUMPPS	RJE	SYCOR	ASYN	1	DDO	1200		MPC	C300	BATCH
CG	CG099	BHARBOR ME	207244 G-FIS-1	GRP	ADMIN JUMPPS	RJE	SYCOR	ASYN	1	DDO	1200		MPC	C300	BATCH
CG	CG100	WOODSHOLE MA	617548 G-FIS-1	GRP	ADMIN JUMPPS	RJE	SYCOR	ASYN	1	DDO	1200		MPC	C300	BATCH
CG	CG101	PORTLAND ME	207780 G-FIS-1	GRP	ADMIN JUMPPS	RJE	SYCOR	ASYN	1	DDO	1200		MPC	C300	BATCH
CG	CG102	BOSTON MA	617223 G-FIS-1	GRP	ADMIN JUMPPS	RJE	SYCOR	ASYN	1	DDO	1200		MPC	C300	BATCH
CG	CG103	NYC-AMVER NY	212668 G-FIS-1	SC	ADMIN JUMPPS	RJE	SYCOR	ASYN	1	DDO	1200		MPC	C300	BATCH
CG	CG104	NYC NY	212668 G-FIS-1	SC	ADMIN JUMPPS	RJE	SYCOR	ASYN	1	DDO	1200		MPC	C300	BATCH
CG	CG105	PORTSMTH VA	804398 G-FIS-1	GRP	ADMIN JUMPPS	RJE	SYCOR	ASYN	1	DDO	1200		MPC	C300	BATCH
CG	CG106	ELIZ CITY NJ	919338 G-FIS-1	AS	ADMIN JUMPPS	RJE	SYCOR	ASYN	1	DDO	1200		MPC	C300	BATCH
CG	CG107	BALTIMORE MD	301789 G-FIS-1	GRP	ADMIN JUMPPS	RJE	SYCOR	ASYN	1	DDO	1200		MPC	C300	BATCH
CG	CG108	OFA LOCKA FL	305681 G-FIS-1	AS	ADMIN JUMPPS	RJE	SYCOR	ASYN	1	DDO	1200		MPC	C300	BATCH
CG	CG109	CLEARWTR FL	813441 G-FIS-1	AS	ADMIN JUMPPS	RJE	SYCOR	ASYN	1	DDO	1200		MPC	C300	BATCH
CG	CG110	MIAMI FL	305350 G-FIS-1	GRP	ADMIN JUMPPS	RJE	SYCOR	ASYN	1	DDO	1200		MPC	C300	BATCH
CG	CG111	ST PETER FL	813536 G-FIS-1	GRP	ADMIN JUMPPS	RJE	SYCOR	ASYN	1	DDO	1200		MPC	C300	BATCH
CG	CG112	MOBILE AL	205690 G-FIS-1	BASE	ADMIN JUMPPS	RJE	SYCOR	ASYN	1	DDO	1200		MPC	C300	BATCH
CG	CG113	GALVESTON TX	713763 G-FIS-1	BASE	ADMIN JUMPPS	RJE	SYCOR	ASYN	1	DDO	1200		MPC	C300	BATCH
CG	CG114	NEW ORLNS LA	504589 G-FIS-1	BASE	ADMIN JUMPPS	RJE	SYCOR	ASYN	1	DDO	1200		MPC	C300	BATCH

DEPARTMENT OF TRANSPORTATION
U.S. COAST GUARD ADMINISTRATION
ADMINISTRATIVE TERMINAL LOCATIONS
TIME PERIOD : 1983

ADMIN ID	NAC CITY	LOCATION ST ACEX	CONTACT	AGENCY INF OFF PROG APPL	TERMINAL INF TYPE MODEL SYNC NDV	CIRCUIT INF TYPE SPEED GSA-ID	RESOURCE CNTR HOST	TRAF TYPE
CG	CG115	TRAV CITY MI	616946 G-FIS-1	AS ADMIN JUMPPS	RJE SYCOR ASYN 1 DDD	1200	MPC C300	BATCH
CG	CG116	BUFFALO NY	716846 G-FIS-1	GRP ADMIN JUMPPS	RJE SYCOR ASYN 1 DDD	1200	MPC C300	BATCH
CG	CG117	DETROIT MI	313226 G-FIS-1	GRP ADMIN JUMPPS	RJE SYCOR ASYN 1 DDD	1200	MPC C300	BATCH
CG	CG118	MUSKEGON MI	616722 G-FIS-1	GRP ADMIN JUMPPS	RJE SYCOR ASYN 1 DDD	1200	MPC C300	BATCH
CG	CG119	MILWAUKEE WI	414224 G-FIS-1	GRP ADMIN JUMPPS	RJE SYCOR ASYN 1 DDD	1200	MPC C300	BATCH
CG	CG120	SAULTSTM MI	906832 G-FIS-1	GRP ADMIN JUMPPS	RJE SYCOR ASYN 1 DDD	1200	MPC C300	BATCH
CG	CG121	SAN FRAN CA	414556 G-FIS-1	AS ADMIN JUMPPS	RJE SYCOR ASYN 1 DDD	1200	MPC C300	BATCH
CG	CG122	SAN FRAN CA	414223 G-FIS-1	GRP ADMIN JUMPPS	RJE SYCOR ASYN 1 DDD	1200	MPC C300	BATCH
CG	CG123	NORTHBEND OR	503756 G-FIS-1	GRP ADMIN JUMPPS	RJE SYCOR ASYN 1 DDD	1200	MPC C300	BATCH
CG	CG124	SANFRAN CA	414556 G-FIS-1	FLD ADMIN JUMPPS	RJE SYCOR ASYN 1 DDD	1200	MPC C300	BATCH
CG	CG125	FODIAK AK	907487 G-FIS-1	AS ADMIN JUMPPS	RJE SYCOR ASYN 1 DDD	1200	MPC C300	BATCH
CG	CG126	FODIAK AK	907487 G-FIS-1	SC ADMIN JUMPPS	RJE SYCOR ASYN 1 DDD	1200	MPC C300	BATCH
CG	CG127	MOBILE AL	205690 G-FIS-1	AS ADMIN JUMPPS	RJE SYCOR ASYN 1 DDD	1200	MPC C300	BATCH
CG	CG128	NEWLONDON CT	203442 G-FIS-1	ACAD ADMIN JUMPPS	RJE SYCOR ASYN 1 DDD	1200	MPC C300	BATCH
CG	CG129	WASH DC	202423 G-FIS-1	HQRT ADMIN ARSC	AN ASYN 1 VAN	1200	ARSC BUR	INTER
CG	CG130	MOBILE AL	205534 G-FIS-1	AS ADMIN ARSC	AN ASYN 1 VAN	1200	ARSC BUR	INTER
CG	CG131	LITTLERCK AR	501372 G-FIS-1	AS ADMIN ARSC	AN ASYN 1 VAN	1200	ARSC BUR	INTER
CG	CG132	GRAND PRA TX	214641 G-FIS-1	AS ADMIN ARSC	AN ASYN 1 VAN	1200	ARSC BUR	INTER
CG	CG133	OFA LOCKA FL	305350 G-FIS-1	AS ADMIN ARSC	AN ASYN 1 VAN	1200	ARSC BUR	INTER
CG	CG134	TRAV CITY MI	616946 G-FIS-1	AS ADMIN ARSC	AN ASYN 1 VAN	1200	ARSC BUR	INTER

DEPARTMENT OF TRANSPORTATION
U.S. COAST GUARD ADMINISTRATION
ADMINISTRATIVE TERMINAL LOCATIONS

TIME PERIOD : 1983

NAC ADMIN ID	CITY	LOCATION ST ACEX	CONTACT	AGENCY INF			TERMINAL INF			CIRCUIT INF			RESOURCE		TRAF TYPE
				OFF	PRG	APPL	TYPE	MODEL	SYNC	NDV	TYPE	SPEED	GSA-ID	ENTR	
CG	CG135	MCKINLEY	CA 707839	G-FIS-1	AS	ADMIN	ARSC	AN	ASYN	1	VAN	1200	ARSC	BUR	INTER
CG	CG136	CORPCHRIS	TX 512734	G-FIS-1	AS	ADMIN	ARSC	AN	ASYN	1	VAN	1200	ARSC	BUR	INTER
CG	CG137	BARRSPAIN	HI 808682	G-FIS-1	AS	ADMIN	ARSC	AN	ASYN	1	VAN	1200	ARSC	BUR	INTER
CG	CG138	GLENVIEW	IL 409657	G-FIS-1	AS	ADMIN	ARSC	AN	ASYN	1	VAN	1200	ARSC	BUR	INTER
CG	CG139	BELCHASEL	LA 504682	G-FIS-1	AS	ADMIN	ARSC	AN	ASYN	1	VAN	1200	ARSC	BUR	INTER
CG	CG140	OTIS AFB	MA 617968	G-FIS-1	AS	ADMIN	ARSC	AN	ASYN	1	VAN	1200	ARSC	BUR	INTER
CG	CG141	SAN DIEGO	CA 714895	G-FIS-1	AS	ADMIN	ARSC	AN	ASYN	1	VAN	1200	ARSC	BUR	INTER
CG	CG142	CAPE MAY	NJ 609346	G-FIS-1	AS	ADMIN	ARSC	AN	ASYN	1	VAN	1200	ARSC	BUR	INTER
CG	CG143	CORDOVA	AK 907424	G-FIS-1	AS	ADMIN	ARSC	AN	ASYN	1	VAN	1200	ARSC	BUR	INTER
CG	CG144	MCLIN AFB	CA 916533	G-FIS-1	AS	ADMIN	ARSC	AN	ASYN	1	VAN	1200	ARSC	BUR	INTER
CG	CG145	AQUADILLA	TX 809825	G-FIS-1	AS	ADMIN	ARSC	AN	ASYN	1	VAN	1200	ARSC	BUR	INTER
CG	CG146	HOUSTON	TX 713525	G-FIS-1	AS	ADMIN	ARSC	AN	ASYN	1	VAN	1200	ARSC	BUR	INTER
CG	CG147	SELDGE	MI 313455	G-FIS-1	AS	ADMIN	ARSC	AN	ASYN	1	VAN	1200	ARSC	BUR	INTER
CG	CG148	LOSANCEL	CA 213966	G-FIS-1	AS	ADMIN	ARSC	AN	ASYN	1	VAN	1200	ARSC	BUR	INTER
CG	CG149	SAVANNAH	GA 912248	G-FIS-1	AS	ADMIN	ARSC	AN	ASYN	1	VAN	1200	ARSC	BUR	INTER
CG	CG150	NORTHBEND	OR 503756	G-FIS-1	AS	ADMIN	ARSC	AN	ASYN	1	VAN	1200	ARSC	BUR	INTER
CG	CG151	WARRENTON	OR 503861	G-FIS-1	AS	ADMIN	ARSC	AN	ASYN	1	VAN	1200	ARSC	BUR	INTER
CG	CG152	KODIAK	AK 907487	G-FIS-1	AS	ADMIN	ARSC	AN	ASYN	1	VAN	1200	ARSC	BUR	INTER
CG	CG153	PORTANGEL	WA 206457	G-FIS-1	AS	ADMIN	ARSC	AN	ASYN	1	VAN	1200	ARSC	BUR	INTER
CG	CG154	SAN FRAN	CA 415466	G-FIS-1	AS	ADMIN	ARSC	AN	ASYN	1	VAN	1200	ARSC	BUR	INTER

DEPARTMENT OF TRANSPORTATION
U.S. COAST GUARD ADMINISTRATION
ADMINISTRATIVE TERMINAL LOCATIONS

TIME PERIOD : 1983

NAIC ADMIN ID	CITY	LOCATION ST ACES	CONTACT	AGENCY INF OFF PROG APPL	TERMINAL INF TYPE MODEL SYNC NDV	CIRCUIT INF TYPE SPEED GSA-ID	RESOURCE CNTR HOST	TRAF TYPE
CG 06155	BROOKLYN	NY 212264	G-FIS-1	AS ADMIN ARSC	AN ASYN 1 VAN	1200	ARSC BUR	INTER
CG 06156	CLEARWTR	FL 813821	G-FIS-1	AS ADMIN ARSC	AN ASYN 1 VAN	1200	ARSC BUR	INTER
CG 06157	WASH	OR 202426	G-FIS-1	HQDT ADMIN PMIS	AN ASYN 3 VAN	1200	FAA 1370	INTER
CG 06158	FURFISBAY	MD 301789	G-FIS-1	YARD ADMIN PMIS	AN ASYN 2 VAN	1200	FAA 1370	INTER
CG 06159	NEW YORK	NY 212668	G-FIS-1	DT3 ADMIN PMIS	AN ASYN 2 VAN	1200	FAA 1370	INTER
CG 06160	BROOKLYN	NY 212264	G-FIS-1	SPC ADMIN PMIS	AN ASYN 1 VAN	1200	FAA 1370	INTER
CG 06161	NEWLONDON	CT 203642	G-FIS-1	ACAD ADMIN PMIS	AN ASYN 1 VAN	1200	FAA 1370	INTER
CG 06162	BOSTON	MA 317223	G-FIS-1	DTS ADMIN PMIS	AN ASYN 1 VAN	1200	FAA 1370	INTER
CG 06163	PORTSMTH	VA 504398	G-FIS-1	DTS ADMIN PMIS	AN ASYN 1 VAN	1200	FAA 1370	INTER
CG 06164	YORKTOWN	VA 804827	G-FIS-1	FLD ADMIN PMIS	AN ASYN 1 VAN	1200	FAA 1370	INTER
CG 06165	ELIZ CITY	NC 919338	G-FIS-1	ARSC ADMIN PMIS	AN ASYN 1 VAN	1200	FAA 1370	INTER
CG 06166	LONGBEACH	CA 213592	G-FIS-1	DT11 ADMIN PMIS	AN ASYN 1 VAN	1200	FAA 1370	INTER
CG 06167	SAN FRAN	CA 415556	G-FIS-1	DT12 ADMIN PMIS	AN ASYN 1 VAN	1200	FAA 1370	INTER
CG 06168	PETALUMA	CA 707762	G-FIS-1	FLD ADMIN PMIS	AN ASYN 1 VAN	1200	FAA 1370	INTER
CG 06169	HONOLULU	HI 808546	G-FIS-1	DT14 ADMIN PMIS	AN ASYN 1 VAN	1200	FAA 1370	INTER
CG 06170	SEATTLE	WA 206442	G-FIS-1	DT13 ADMIN PMIS	AN ASYN 1 VAN	1200	FAA 1370	INTER
CG 06171	JUNEAU	AK 907586	G-FIS-1	DT17 ADMIN PMIS	AN ASYN 1 VAN	1200	FAA 1370	INTER
CG 06172	KODIAK	AK 907487	G-FIS-1	SDC ADMIN PMIS	AN ASYN 1 VAN	1200	FAA 1370	INTER
CG 06173	MIAMI	FL 305350	G-FIS-1	DT7 ADMIN PMIS	AN ASYN 1 VAN	1200	FAA 1370	INTER
CG 06174	NEW ORLNS	LA 504589	G-FIS-1	DT9 ADMIN PMIS	AN ASYN 1 VAN	1200	FAA 1370	INTER

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

TERMINAL LOCATIONS

TIME PERIOD : 1981

NAC ADMIN ID	CITY	LOCATION ST ACEX	CONTACT	AGENCY INF OFF PROG APPL	TERMINAL INF TYPE MODEL SYNC NDV	CIRCUIT INF TYPE SPEED GSA-ID	RESOURCE CNTR HOST	TRAF TYPE
FAA FA001	ATLANTA	GA 404526	BARTON	ASD ADMIN AMIS	AN TL272 SYNC 2 TP TL272 SYNC 2	ADCN 2400 6D72817 ADCN 2400 6D72817	FAA 1370 FAA 1370	INTER INTER
FAA FA002	ANCHORAGE	AK 907265	BARTON	AAL ADMIN AMIS	AN TL272 SYNC 2 TP TL272 SYNC 2	ADCN 2400 6D72822 ADCN 2400 6D72823	FAA 1370 FAA 1370	INTER INTER
FAA FA003	ATLANT CTY	NJ 609641	BARTON	FATC ADMIN AMIS	AN TL272 SYNC 2 TP TL272 SYNC 2	ADCN 2400 6D90057 ADCN 2400 6D90057	FAA 1370 FAA 1370	INTER INTER
FAA FA004	MINNEAPOL	MN 612726	BARTON	FIFO ADMIN AMIS	AN TL272 SYNC 2 TP TL272 SYNC 2	ADCN 2400 6D72821003 ADCN 2400 6D72821003	FAA 1370 FAA 1370	INTER INTER
FAA FA005	BTL CRK	MI 616963	BARTON	FIFO ADMIN AMIS	AN TL272 SYNC 2 TP TL272 SYNC 2	ADCN 2400 6D72821002 ADCN 2400 6D72821002	FAA 1370 FAA 1370	INTER INTER
FAA FA006	HONOLULU	HI 508955	BARTON	ADM ADMIN AMIS	AN TL272 SYNC 3 TP TL272 SYNC 3	ADCN 2400 6D72806 ADCN 2400 6D72806	FAA 1370 FAA 1370	INTER INTER
FAA FA007	L ANGELES	CA 213536	BARTON	AWE ADMIN AMIS	AN TL272 SYNC 2 TP TL272 SYNC 2	ADCN 2400 6D72819 ADCN 2400 6D72819	FAA 1370 FAA 1370	INTER INTER
FAA FA008	SEATTLE	WA 206767	BARTON	ANW ADMIN AMIS	AN TL272 SYNC 1 TP TL272 SYNC 1	ADCN 2400 6D72819001 ADCN 2400 6D72819001	FAA 1370 FAA 1370	INTER INTER
FAA FA009	OKC	OK 405636	BARTON	AAC ADMIN AMIS	AN TL272 SYNC 16 TP TL272 SYNC 15	ADCN 2400 CABL ADCN 2400 CABL	FAA 1370 FAA 1370	INTER INTER
FAA FA010	ATLANTA	GA 404526	BARTON	ANO ADMIN PMIS	INTEL SPD ASYN 5	ADCN 2400 6D72817	FAA 1370	INTER
FAA FA011	ANCHORAGE	AK 907265	BARTON	AAL ADMIN PMIS	INTEL SPD ASYN 3	ADCN 2400 6D72823	FAA 1370	INTER
FAA FA012	BOSTON	MA 617273	BARTON	ANE ADMIN PMIS	INTEL SPD ASYN 3 INTEL H1600 ASYN 2	ADCN 2400 6D72818002 ADCN 2400 6D72818002	FAA 1370 FAA 1370	INTER INTER
FAA FA013	ATLANTCTY	NJ 609641	BARTON	FATC ADMIN PMIS	INTEL SPD ASYN 3	ADCN 2400 6D72818001	FAA 1370	INTER
FAA FA014	KANSASCTY	MO 816374	BARTON	ACE ADMIN PMIS	INTEL SPD ASYN 3	ADCN 2400 FDD03360	FAA 1370	INTER
FAA FA015	CHICAGO	IL 312694	BARTON	AGL ADMIN PMIS	INTEL SPD ASYN 5	ADCN 2400 6D72821	FAA 1370	INTER

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

TERMINAL LOCATIONS

TIME PERIOD : 1981

NR	LOCATION	CONTACT	AGENCY INF	TERMINAL INF	CIRCUIT INF	RESOURCE	TRAF											
ADMIN ID	CITY	ST AOE	OFF	PROG	APPL	TYPE	MODEL	SYNC	NDV	TYPE	SPEED	GSA-ID	CNTR	HOST	TYPE			
FAA	FA016	DENVER	CO	303837	BARTON	ARM	ADMIN	PMIS	INTEL	SPD	ASYN	3	ADCN	2400	GD90072	FAA	1370	INTER
FAA	FA017	FT WORTH	TX	817624	BARTON	ASW	ADMIN	PMIS	INTEL	SPD	ASYN	5	ADCN	2400	FDDC3312	FAA	1370	INTER
FAA	FA018	HONOLULU	HI	808955	BARTON	ADC	ADMIN	PMIS	INTEL	SPD	ASYN	2	ADCN	2400	GD72806	FAA	1370	INTER
FAA	FA019	WASH	DC	202426	BARTON	HDOT	ADMIN	PMIS	INTEL	SPD	ASYN	13	ADCN	2400	GD9004	FAA	1370	INTER
								PMIS-DOT	INTEL	H1600	ASYN	25	ADCN	2400	GD72820	FAA	1370	INTER
FAA	FA020	L ANGELES	CA	213536	BARTON	ANE	ADMIN	PMIS	INTEL	SPD	ASYN	4	ADCN	2400	GD72819	FAA	1370	INTER
FAA	FA021	SEATTLE	WA	206767	BARTON	ANW	ADMIN	PMIS	INTEL	SPD	ASYN	3	ADCN	2400	GD72819001	FAA	1370	INTER
FAA	FA022	OKLA CITY	OK	405686	BARTON	AAC	ADMIN	PMIS	INTEL	SPD	ASYN	9	ADCN	2400	CABL	FAA	1370	INTER
FAA	FA023	NYC	NY	212663	BARTON	AEA	ADMIN	PMIS	INTEL	SPD	ASYN	5	ADCN	2400	GD72814	FAA	1370	INTER
FAA	FA024	ATLANTA	GA	404526	BARTON	ASD	ADMIN	UPS	RJE	4PHS	SYNC	1	ADCN	2400	GD72817	FAA	1370	BATCH
FAA	FA025	ANCHORAGE	AK	907265	BARTON	AAL	ADMIN	UPS	RJE	4PHS	SYNC	1	ADCN	2400	GD72823	FAA	1370	BATCH
FAA	FA026	NYC	NY	212663	BARTON	AEA	ADMIN	UPS	RJE	4PHS	SYNC	2	ADCN	2400	GD72814	FAA	1370	BATCH
FAA	FA027	ATLANTA	GA	404526	BARTON	FATC	ADMIN	UPS	RJE	4PHS	SYNC	1	ADCN	2400	GD72819001	FAA	1370	BATCH
FAA	FA028	KANSAS CITY	MO	816374	BARTON	ACE	ADMIN	UPS	RJE	4PHS	SYNC	1	ADCN	2400	FDDC00360	FAA	1370	BATCH
FAA	FA029	DENVER	CO	303837	BARTON	ARM	ADMIN	UPS	RJE	4PHS	SYNC	1	ADCN	2400	GD72836	FAA	1370	BATCH
FAA	FA030	FT WORTH	TX	817624	BARTON	ASW	ADMIN	UPS	RJE	4PHS	SYNC	1	ADCN	2400	FDDC331219	FAA	1370	BATCH
FAA	FA031	HONOLULU	HI	808955	BARTON	ADC	ADMIN	UPS	RJE	4PHS	SYNC	1	ADCN	2400	GD72806	FAA	1370	BATCH
FAA	FA032	WASH	DC	202426	BARTON	HDOT	ADMIN	UPS	RJE	4PHS	SYNC	2	ADCN	2400	GD70004	FAA	1370	BATCH
FAA	FA033	L ANGELES	CA	213536	BARTON	ANE	ADMIN	UPS	RJE	4PHS	SYNC	1	ADCN	2400	GD72836	FAA	1370	BATCH
FAA	FA034	OKLA CITY	OK	405686	BARTON	FAA	ADMIN	UPS	RJE	4PHS	SYNC	1	ADCN	2400	CABL	FAA	1370	BATCH

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
TERMINAL LOCATIONS

TIME PERIOD : 1981

NAC	LOCATION	CONTACT	AGENCY INF	TERMINAL INF	CIRCUIT INF	RESOURCE	TYPE	
ADMIN ID	CITY	ST ACES	OFF PROG APPL	TYPE MODEL SYNC NDV	TYPE SPEED GSA-ID	UNTR HUST	TYPE	
FAA	FA035 SEATTLE	WA 206767	T.DAVIDISON	FIFO ADMIN IAPA	AN GRAPH	ASYN ASYN	2 LPP 2400 1 LPP 4800	FAA DEC INTER FAA DEC INTER
FAA	FA036 MINNEA	MN 612726	T.DAVIDISON	FIFO ADMIN IAPA	AN GRAPH	ASYN ASYN	2 ADON 2400 1 ADON 4800	FAA DEC INTER FAA DEC INTER
FAA	FA037 BTLE CRK	MI 516963	T.DAVIDISON	FIFO ADMIN IAPA	AN GRAPH	ASYN ASYN	2 ADON 2400 1 ADON 4800	FAA DEC INTER FAA DEC INTER
FAA	FA038 ATLANTCTY	NJ 609641	T.DAVIDISON	FATO ADMIN IAPA	AN GRAPH	ASYN ASYN	2 ADON 2400 1 ADON 4800	FAA DEC INTER FAA DEC INTER
FAA	FA039 ATLANTA	GA 404691	T.DAVIDISON	FIFO ADMIN IAPA	AN GRAPH	ASYN ASYN	2 ADON 2400 1 ADON 4800	FAA DEC INTER FAA DEC INTER
FAA	FA040 ANCHORAGE	AK 907279	T.DAVIDISON	FIFO ADMIN IAPA	AN GRAPH	ASYN ASYN	2 ADON 2400 1 ADON 4800	FAA DEC INTER FAA DEC INTER
FAA	FA041 HONOLULU	HI 808841	T.DAVIDISON	FIFO ADMIN IAPA	AN GRAPH	ASYN ASYN	2 ADON 2400 1 ADON 4800	FAA DEC INTER FAA DEC INTER
FAA	FA042 OKC	OK 405686	T.DAVIDISON	ACAD ADMIN IAPA	AN GRAPH	ASYN ASYN	4 CABL 4800 2 CABL 4600	FAA DEC INTER FAA DEC INTER
FAA	FA043 OKC	OK 405787	T.DAVIDISON	AAC ADMIN IAPA	GRAPH	ASYN	1 CABL 4800	FAA DEC INTER
FAA	FA044 WASH	DC 202426	T.DAVIDISON	HDOT ADMIN IAPA	AN	ASYN	1 ADON 1200	FAA DEC INTER
FAA	FA045 L ANGELES	CA 213534	T.DAVIDISON	AWE ADMIN IAPA	AN	ASYN	3 ADON 9600 6072815	FAA DEC INTER

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

TERMINAL LOCATIONS

TIME PERIOD : 1983

NAL ADMIN ID	CITY	LOCATION ST ACES	CONTACT	AGENCY INF			TERMINAL INF			CIRCUIT INF			RESOURCE		TRAF TYPE	
				OFF	PRG	APPL	TYPE	MODEL	SYNC	NDV	TYPE	SPEED	GSA-ID	CNTR	HOST	
FAA	FA076	WASH	DC 202426 J.OWENS	HQDT	ADMIN	UAS	AN TP	ASYN	8	ADCN	300			FAA	IBM	INTER
								ASYN	3	ADCN	300			FAA	IBM	INTER
FAA	FA077	WASH	DC 202426 J.OWENS	ARPT	ADMIN	UAS	AN TP	ASYN	6	ADCN	300			FAA	IBM	INTER
								ASYN	4	ADCN	300			FAA	IBM	INTER
FAA	FA078	OKC	OK 405686 J.OWENS	AAC	ADMIN	UAS	AN TP	ASYN	22	ADCN	300			FAA	IBM	INTER
								ASYN	8	ADCN	300			FAA	IBM	INTER
FAA	FA079	ANCHORAGE AK	AK 907265 J.OWENS	AAL	ADMIN	UAS	AN TP	ASYN	5	ADCN	300			FAA	IBM	INTER
								ASYN	2	ADCN	300			FAA	IBM	INTER
FAA	FA080	NYC	NY 212663 J.OWENS	AEA	ADMIN	UAS	AN TP	ASYN	15	ADCN	300			FAA	IBM	INTER
								ASYN	5	ADCN	300			FAA	IBM	INTER
FAA	FA081	LAKEARNEY MO	MO 816374 J.OWENS	ACE	ADMIN	UAS	AN TP	ASYN	12	ADCN	300			FAA	IBM	INTER
								ASYN	4	ADCN	300			FAA	IBM	INTER
FAA	FA082	ATLANTY NJ	NJ 609641 J.OWENS	FATC	ADMIN	UAS	AN TP	ASYN	9	ADCN	300			FAA	IBM	INTER
								ASYN	3	ADCN	300			FAA	IBM	INTER
FAA	FA083	HONOLULU HI	HI 808955 J.OWENS	ADP	ADMIN	UAS	AN TP	ASYN	2	ADCN	300			FAA	IBM	INTER
								ASYN	2	ADCN	300			FAA	IBM	INTER
FAA	FA084	ATLANTA GA	GA 404526 J.OWENS	ASD	ADMIN	UAS	AN TP	ASYN	12	ADCN	300			FAA	IBM	INTER
								ASYN	4	ADCN	300			FAA	IBM	INTER
FAA	FA085	FORTWORTH TX	TX 817624 J.OWENS	ASW	ADMIN	UAS	AN TP	ASYN	12	ADCN	300			FAA	IBM	INTER
								ASYN	4	ADCN	300			FAA	IBM	INTER
FAA	FA086	L ANGELES CA	CA 213536 J.OWENS	AWE	ADMIN	UAS	AN TP	ASYN	18	ADCN	300			FAA	IBM	INTER
								ASYN	6	ADCN	300			FAA	IBM	INTER
FAA	FA087	BOSTON MA	MA 617273 J.OWENS	ANE	ADMIN	UAS	AN TP	ASYN	1	ADCN	300			FAA	IBM	INTER
								ASYN	1	ADCN	300			FAA	IBM	INTER
FAA	FA088	DENVER CO	CO 303837 J.OWENS	ARM	ADMIN	UAS	AN TP	ASYN	1	ADCN	300			FAA	IBM	INTER
								ASYN	1	ADCN	300			FAA	IBM	INTER
FAA	FA089	CHICAGO IL	IL 312594 J.OWENS	AGL	ADMIN	UAS	AN TP	ASYN	1	ADCN	300			FAA	IBM	INTER
								ASYN	1	ADCN	300			FAA	IBM	INTER
FAA	FA090	SEATTLE WA	WA 206767 J.OWENS	ANW	ADMIN	UAS	AN TP	ASYN	1	ADCN	300			FAA	IBM	INTER
								ASYN	1	ADCN	300			FAA	IBM	INTER

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

TERMINAL LOCATIONS

TIME PERIOD : 1983

NAC ADMIN ID	CITY	LOCATION ST ACEX	CONTACT	AGENCY INF OFF PROG APPL	TERMINAL INF TYPE MODEL SYNC NDV	CIRCUIT INF TYPE SPEED GSA-ID	RESOURCE CNTR HOST	TSAF TYPE
FAA	FA091	FAIRBANKS AK	907452 BUCK	AFSO ADMIN PLATO	GRAPH	1 FTS	UDEL	INTER
FAA	FA092	ANCHORAGE AK	907279 BUCK	AFSO ADMIN PLATO	GRAPH	1 FTS	UDEL	INTER
FAA	FA093	KING SALMON AK	907246 BUCK	ADMIN PLATO	GRAPH	1 FTS	UDEL	INTER
FAA	FA094	JUNEAU AK	907789 BUCK	AFS ADMIN PLATO	GRAPH	1 FTS	UDEL	INTER
FAA	FA095	BANGOR ME	207942 BUCK	AFS ADMIN PLATO	GRAPH	1 FTS	UDEL	INTER
FAA	FA096	E. BOSTON MA	617567 BUCK	AFS ADMIN PLATO	GRAPH	1 FTS	UDEL	INTER
FAA	FA097	BURLINGTON VT	802862 BUCK	AFS ADMIN PLATO	GRAPH	1 FTS	UDEL	INTER
FAA	FA098	WARWICK RI	401294 BUCK	AFS ADMIN PLATO	GRAPH	1 FTS	UDEL	INTER
FAA	FA099	WINDSOR LOCKS	203623 BUCK	AFS ADMIN PLATO	GRAPH	1 FTS	UDEL	INTER
FAA	FA100	PHILADELPHIA	215596 BUCK	AFS ADMIN PLATO	GRAPH	1 FTS	UDEL	INTER
FAA	FA101	BALTIMORE MD	301761 BUCK	AFS ADMIN PLATO	GRAPH	1 FTS	UDEL	INTER
FAA	FA102	CHARLESTON WV	304345 BUCK	AFS ADMIN PLATO	GRAPH	1 FTS	UDEL	INTER
FAA	FA103	PITTSBURGH PA	412771 BUCK	AFS ADMIN PLATO	GRAPH	1 FTS	UDEL	INTER
FAA	FA104	JACKSONVILLE FL	904641 BUCK	AFS ADMIN PLATO	GRAPH	1 FTS	UDEL	INTER
FAA	FA105	TAMPA FL	813876 BUCK	AFS ADMIN PLATO	GRAPH	1 FTS	UDEL	INTER
FAA	FA106	MIAMI FL	305526 BUCK	AFS ADMIN PLATO	GRAPH	1 FTS	UDEL	INTER
FAA	FA107	MORRISTOWN NC	919755 BUCK	AFS ADMIN PLATO	GRAPH	1 FTS	UDEL	INTER
FAA	FA108	MINNEAPOLIS MN	612726 BUCK	AFS ADMIN PLATO	GRAPH	1 FTS	UDEL	INTER
FAA	FA109	SPRINGFIELD IL	217525 BUCK	AFS ADMIN PLATO	GRAPH	1 FTS	UDEL	INTER
FAA	FA110	CLEVELAND OH	216744 BUCK	AFS ADMIN PLATO	GRAPH	1 FTS	UDEL	INTER

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

TERMINAL LOCATIONS

TIME PERIOD : 1983

NAC	LOCATION	CONTACT	AGENCY INF	TERMINAL INF	CIRCUIT INF	RESOURCE	TRAF
ADMIN ID	CITY	ST AGENCY	OFF PRG APP	TYPE MODEL SYNC NDV	TYPE SPEED GSA-ID	CNTR HOST	TYPE
FAA	FA111 HOUSTON	TX 713433 BUCK	AFS	ADMIN PLATO	GRAPH	1 FTS	UDEL INTER
FAA	FA112 NEW ORLEANS	LA 504729 BUCK	AFS	ADMIN PLATO	GRAPH	1 FTS	UDEL INTER
FAA	FA113 LITTLE ROCK	AR 501374 BUCK	AFS	ADMIN PLATO	GRAPH	1 FTS	UDEL INTER
FAA	FA114 FINEGAYAN	GM 355580 BUCK	AFS	ADMIN PLATO	GRAPH	1 FTS	UDEL INTER
FAA	FA115 MAUI	HI 308877 BUCK	AFS	ADMIN PLATO	GRAPH	1 FTS	UDEL INTER
FAA	FA116 HONOLULU	HI 308734 BUCK	AFS	ADMIN PLATO	GRAPH	1 FTS	UDEL INTER
FAA	FA117 PIERRE	SD 505224 BUCK	AFS	ADMIN PLATO	GRAPH	1 FTS	UDEL INTER
FAA	FA118 BISMARCK	ND 701255 BUCK	AFS	ADMIN PLATO	GRAPH	1 FTS	UDEL INTER
FAA	FA119 G. JUNCTION	ND 303043 BUCK	AFS	ADMIN PLATO	GRAPH	1 FTS	UDEL INTER
FAA	FA120 OAKLAND	CA 415562 BUCK	AFS	ADMIN PLATO	GRAPH	1 FTS	UDEL INTER
FAA	FA121 PHOENIX	AZ 502261 BUCK	AFS	ADMIN PLATO	GRAPH	1 FTS	UDEL INTER
FAA	FA122 LG BEACH	CA 213421 BUCK	AFS	ADMIN PLATO	GRAPH	1 FTS	UDEL INTER
FAA	FA123 KANSAS CITY	MO 816243 BUCK	AFS	ADMIN PLATO	GRAPH	1 FTS	UDEL INTER
FAA	FA124 ST. LOUIS	MO 314425 BUCK	AFSF	ADMIN PLATO	GRAPH	1 FTS	UDEL INTER
FAA	FA125 SPRINGFIELD	MO 117369 BUCK	AFS	ADMIN PLATO	GRAPH	1 FTS	UDEL INTER
FAA	FA126 DEMPINES	IA 515184 BUCK	AFS	ADMIN PLATO	GRAPH	1 FTS	UDEL INTER
FAA	FA127 G. ISLAND	NE 308382 BUCK	AFSF	ADMIN PLATO	GRAPH	1 FTS	UDEL INTER
FAA	FA128 SPOKANE	WA 509456 BUCK	AFS	ADMIN PLATO	GRAPH	1 FTS	UDEL INTER
FAA	FA129 SEATTLE	WA 206433 BUCK	AFS	ADMIN PLATO	GRAPH	1 FTS	UDEL INTER
FAA	FA130 PORTLAND	OR 503648 BUCK	AFS	ADMIN PLATO	GRAPH	1 FTS	UDEL INTER

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

TERMINAL LOCATIONS

TIME PERIOD : 1983

NAC		LOCATION		CONTACT	AGENCY INF			TERMINAL INF				CIRCUIT INF			RESOURCE		TRAF
ADMIN	ID	CITY	ST	ACEX	OFF	PRG	APPL	TYPE	MODEL	SYNC	NDV	TYPE	SPEED	GSA-ID	ONTR	HOST	TYPE
FAA	FA131	OKC	OK	405686	BUCK	AAC	ADMIN PLATO	GRAPH				1	FTS		UDEL		INTER
FAA	FA132	OKC	OK	405686	BUCK	AAC	ADMIN PLATO	GRAPH				1	FTS		UDEL		INTER
FAA	FA133	OKC	OK	405686	BUCK	AAC	ADMIN PLATO	GRAPH				1	FTS		UDEL		INTER
FAA	FA134	OKC	OK	405686	BUCK	AAC	ADMIN PLATO	GRAPH				1	FTS		UDEL		INTER
FAA	FA135	OKC	OK	405686	BUCK	AAC	ADMIN PLATO	GRAPH				1	FTS		UDEL		INTER
FAA	FA136	OKC	OK	405686	BUCK	AAC	ADMIN PLATO	GRAPH				1	FTS		UDEL		INTER
FAA	FA137	OKC	OK	405686	BUCK	AAC	ADMIN PLATO	GRAPH				1	FTS		UDEL		INTER
FAA	FA138	OKC	OK	405686	BUCK	AAC	ADMIN PLATO	GRAPH				1	FTS		UDEL		INTER
FAA	FA139	OKC	OK	405686	BUCK	AAC	ADMIN PLATO	GRAPH				1	FTS		UDEL		INTER
FAA	FA140	OKC	OK	405686	BUCK	AAC	ADMIN PLATO	GRAPH				1	FTS		UDEL		INTER
FAA	FA141	OKC	OK	405686	BUCK	AAC	ADMIN PLATO	GRAPH				1	FTS		UDEL		INTER
FAA	FA142	OKC	OK	405686	BUCK	AAC	ADMIN PLATO	GRAPH				1	FTS		UDEL		INTER
FAA	FA143	OKC	OK	405686	BUCK	AAC	ADMIN PLATO	GRAPH				1	FTS		UDEL		INTER
FAA	FA144	OKC	OK	405686	BUCK	AAC	ADMIN PLATO	GRAPH				1	FTS		UDEL		INTER
FAA	FA145	OKC	OK	405686	BUCK	AAC	ADMIN PLATO	GRAPH				1	FTS		UDEL		INTER
FAA	FA146	OKC	OK	405686	BUCK	AAC	ADMIN PLATO	GRAPH				1	FTS		UDEL		INTER
FAA	FA147	OKC	OK	405686	BUCK	AAC	ADMIN PLATO	GRAPH				1	FTS		UDEL		INTER
FAA	FA148	OKC	OK	405686	BUCK	AAC	ADMIN PLATO	GRAPH				1	FTS		UDEL		INTER
FAA	FA149	OKC	OK	405686	BUCK	AAC	ADMIN PLATO	GRAPH				1	FTS		UDEL		INTER
FAA	FA150	OKC	OK	405686	BUCK	AAC	ADMIN PLATO	GRAPH				1	FTS		UDEL		INTER

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

TERMINAL LOCATIONS

TIME PERIOD : 1983

NAC ADMIN ID	CITY	LOCATION ST ACES	CONTACT	AGENCY INF		TERMINAL INF			CIRCUIT INF			RESOURCE		TRAF TYPE	
				OFF	PROG APPL	TYPE	MODEL	SYNC	NDV	TYPE	SPEED	GSA-ID	CNTR	HOST	
FAA	FA151 OKC	OK 405686	BUCK	AAC	ADMIN PLATO	GRAPH				1	FTS		UDEL		INTER
FAA	FA152 OKC	OK 405686	BUCK	AAC	ADMIN PLATO	GRAPH				1	FTS		UDEL		INTER
FAA	FA153 OKC	OK 405686	BUCK	AAC	ADMIN PLATO	GRAPH				1	FTS		UDEL		INTER
FAA	FA154 OKC	OK 405686	BUCK	AAC	ADMIN PLATO	GRAPH				1	FTS		UDEL		INTER
FAA	FA155 OKC	OK 405686	BUCK	AAC	ADMIN PLATO	GRAPH				1	FTS		UDEL		INTER
FAA	FA156 OKC	OK 405686	BUCK	AAC	ADMIN PLATO	GRAPH				1	FTS		UDEL		INTER
FAA	FA157 OKC	OK 405686	BUCK	AAC	ADMIN PLATO	GRAPH				1	FTS		UDEL		INTER
FAA	FA158 OKC	OK 405686	BUCK	AAC	ADMIN PLATO	GRAPH				1	FTS		UDEL		INTER
FAA	FA159 OKC	OK 405686	BUCK	AAC	ADMIN PLATO	GRAPH				1	FTS		UDEL		INTER
FAA	FA160 OKC	OK 405686	BUCK	AAC	ADMIN PLATO	GRAPH				1	FTS		UDEL		INTER
FAA	FA161 OKC	OK 405686	BUCK	AAC	ADMIN PLATO	GRAPH				1	FTS		UDEL		INTER
FAA	FA162 OKC	OK 405686	BUCK	AAC	ADMIN PLATO	GRAPH				1	FTS		UDEL		INTER
FAA	FA163 OKC	OK 405686	BUCK	AAC	ADMIN PLATO	GRAPH				1	FTS		UDEL		INTER
FAA	FA164 OKC	OK 405686	BUCK	AAC	ADMIN PLATO	GRAPH				1	FTS		UDEL		INTER
FAA	FA165 OKC	OK 405686	BUCK	AAC	ADMIN PLATO	GRAPH		SYNC		1	FTS		UDEL		INTER
FAA	FA166 OKC	OK 405686	BUCK	AAC	ADMIN PLATO	GRAPH		SYNC		1	FTS		UDEL		INTER
FAA	FA167 OKC	OK 405686	BUCK	AAC	ADMIN PLATO	GRAPH		SYNC		1	FTS		UDEL		INTER
FAA	FA168 OKC	OK 405686	BUCK	AAC	ADMIN PLATO	GRAPH		SYNC		1	FTS		UDEL		INTER
FAA	FA169 OKC	OK 405686	BUCK	AAC	ADMIN PLATO	GRAPH		SYNC		1	FTS		UDEL		INTER
FAA	FA170 OKC	OK 405686	BUCK	AAC	ADMIN PLATO	GRAPH		SYNC		1	FTS		UDEL		INTER

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

TERMINAL LOCATIONS

TIME PERIOD : 1983

NAC ADMIN ID	CITY	LOCATION ST ACES	CONTACT	AGENCY INF			TERMINAL INF			CIRCUIT INF			RESOURCE		TAG TYPE	
				OFF	PROG	APPL	TYPE	MODEL	SYNC	NDV	TYPE	SPEED	GSA-ID	CNTR	HOST	
FAA	FA171 OKC	OK 405686	BUCK	AAC	ADMIN	PLATO	GRAPH		SYNC	1	FTS			UDEL		INTER
FAA	FA172 OKC	OK 405686	BUCK	AAC	ADMIN	PLATO	GRAPH		SYNC	1	FTS			UDEL		INTER
FAA	FA173 OKC	OK 405686	BUCK	AAC	ADMIN	PLATO	GRAPH		SYNC	1	FTS			UDEL		INTER
FAA	FA174 OKC	OK 405686	BUCK	AAC	ADMIN	PLATO	GRAPH		SYNC	1	FTS			UDEL		INTER
FAA	FA175 OKC	OK 405686	BUCK	AAC	ADMIN	PLATO	GRAPH		SYNC	1	FTS			UDEL		INTER
FAA	FA176 OKC	OK 405686	BUCK	AAC	ADMIN	PLATO	GRAPH		SYNC	1	FTS			UDEL		INTER
FAA	FA177 OKC	OK 405686	BUCK	AAC	ADMIN	PLATO	GRAPH		SYNC	1	FTS			UDEL		INTER
FAA	FA178 OKC	OK 405686	BUCK	AAC	ADMIN	PLATO	GRAPH		SYNC	1	FTS			UDEL		INTER
FAA	FA179 OKC	OK 405686	BUCK	AAC	ADMIN	PLATO	GRAPH		SYNC	1	FTS			UDEL		INTER
FAA	FA180 OKC	OK 405686	BUCK	AAC	ADMIN	PLATO	GRAPH		SYNC	1	FTS			UDEL		INTER
FAA	FA181 BATTLECRK MI	619963	BUCK	FIFO	ADMIN	PLATO	GRAPH		SYNC	1	FTS			UDEL		INTER
FAA	FA182 MINNEA	MIN 612726	BUCK	FIFO	ADMIN	PLATO	GRAPH		SYNC	1	FTS			UDEL		INTER
FAA	FA183 ATLANTCTY NJ	609641	BUCK	FIFO	ADMIN	PLATO	GRAPH		SYNC	1	FTS			UDEL		INTER
FAA	FA184 SEATTLE	WA 206767	BUCK	FIFO	ADMIN	PLATO	GRAPH		SYNC	1	FTS			UDEL		INTER
FAA	FA185 L.ANGELES CA	213536	BUCK	FIFO	ADMIN	PLATO	GRAPH		SYNC	1	FTS			UDEL		INTER

DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

TERMINAL LOCATIONS

TIME PERIOD : 1981

NAC ADMIN ID	CITY	LOCATION ST ACR	CONTACT	AGENCY INF			TERMINAL INF			CIRCUIT INF			RESOURCE		TRAF TYPE	
				OFF	PROG	APPL	TYPE	MODEL	SYNC	NDV	TYPE	SPEED	GSA-ID	CNTR	HOST	
FHWA	FH001	DENVER	CO 303623 WILLEY	CNTR	DFC		RJE	U9300	SYNC	1	LPP	9600		TCC	A470	BATCH
FHWA	FH002	DENVER	CO 303623 WILLEY	CNTR	DTC		GRAPH	T4014	ASYN	1	FTS	1200		TCC	A470	INTER
FHWA	FH003	DENVER	CO 303623 WILLEY	CNTR	DTC		AN	VT132	ASYN	3	FTS	1200		TCC	A470	INTER
FHWA	FH004	VANCOUVER	WA 206696 WILLEY	CNTR	DTC		RJE	U9300	SYNC	1	LPP	9600		TCC	A470	BATCH
FHWA	FH005	VANCOUVER	WA 206696 WILLEY	CNTR	DTC		GRAPH	T4014	ASYN	1	FTS	1200		TCC	A470	INTER
FHWA	FH006	VANCOUVER	WA 206696 WILLEY	CNTR	DTC		AN	VT132	ASYN	3	FTS	1200		TCC	A470	INTER
FHWA	FH007	ARLINGTON	VA 703597 WILLEY	CNTR	DTC		RJE	U9300	SYNC	1	LPP	9600		TCC	A470	BATCH
FHWA	FH008	ARLINGTON	VA 703597 WILLEY	CNTR	DTC		GRAPH	T4014	ASYN	1	FTS	1200		TCC	A470	INTER
FHWA	FH009	ARLINGTON	VA 703597 WILLEY	CNTR	DTC		AN	VT132	ASYN	4	FTS	1200		TCC	A470	INTER
FHWA	FH010	MCLEAN	VA 703821 WILLEY	DIV	R&D		RJE	U9300	ASYN	1	LPP	9600		TCC	A470	BATCH
FHWA	FH011	ALBANY	NY 518472 WILLEY	RGI	FMIS		AN		ASYN	1	VAN	1200		TCC	A470	INTER
FHWA	FH012	HARTFORD	CT 203244 WILLEY	DIV	FMIS		AN		ASYN	1	VAN	1200		TCC	A470	INTER
FHWA	FH013	TRENTON	NJ 609724 WILLEY	DIV	FMIS		AN		ASYN	1	VAN	1200		TCC	A470	INTER
FHWA	FH014	MONTPEL	VT 802223 WILLEY	DIV	FMIS		AN		ASYN	1	VAN	1200		TCC	A470	INTER
FHWA	FH015	AUGUSTA	ME 207622 WILLEY	DIV	FMIS		AN		ASYN	1	VAN	1200		TCC	A470	INTER
FHWA	FH016	ALBANY	NY 518472 WILLEY	DIV	FMIS		AN		ASYN	1	VAN	1200		TCC	A470	INTER
FHWA	FH017	BOSTON	MA 617223 WILLEY	DIV	FMIS		AN		ASYN	1	VAN	1200		TCC	A470	INTER
FHWA	FH018	HATOREY	PR 617223 WILLEY	DIV	FMIS		AN		ASYN	1	VAN	1200		TCC	A470	INTER
FHWA	FH019	CONCORD	NH 603224 WILLEY	DIV	FMIS		AN		ASYN	1	VAN	1200		TCC	A470	INTER
FHWA	FH020	PROVID	RI 401528 WILLEY	DIV	FMIS		AN		ASYN	1	VAN	1200		TCC	A470	INTER

DEPARTMENT OF TRANSPORTATION

FEDERAL HIGHWAY ADMINISTRATION

TERMINAL LOCATIONS

TIME PERIOD : 1981

NAC	LOCATION	CONTACT	AGENCY INF	TERMINAL INF	CIRCUIT INF	RESOURCE	TRAF
ADMIN ID	CITY	ST ASEX	OFF	TYPE	MODEL SYNC NDV TYPE SPEED GSA-ID	INTR	HOOT
FHWA FH021	BALTIMORE MD	301962 WILLEY	RG3 FMIS	AN	ASYN 1 VAN 1200	TCC A470	INTER
FHWA FH022	DOVER DE	302678 WILLEY	DIV FMIS	AN	ASYN 1 VAN 1200	TCC A470	INTER
FHWA FH023	HARRISBURG PA	717787 WILLEY	DIV FMIS	AN	ASYN 1 VAN 1200	TCC A470	INTER
FHWA FH024	WASH DC	202557 WILLEY	HDOT FMIS	AN	ASYN 1 VAN 1200	TCC A470	INTER
FHWA FH025	RICHMOND VA	804222 WILLEY	DIV FMIS	AN	ASYN 1 VAN 1200	TCC A470	INTER
FHWA FH026	BALTIMORE MD	301679 WILLEY	DIV FMIS	AN	ASYN 1 VAN 1200	TCC A470	INTER
FHWA FH027	CHRISTOWN WV	304343 WILLEY	DIV FMIS	AN	ASYN 1 VAN 1200	TCC A470	INTER
FHWA FH028	ATLANTA GA	404469 WILLEY	RG4 FMIS	AN	ASYN 1 VAN 1200	TCC A470	INTER
FHWA FH029	MONTGOMRY AL	205258 WILLEY	RG4 FMIS	AN	ASYN 1 VAN 1200	TCC A470	INTER
FHWA FH030	JACKSON MS	601969 WILLEY	RG4 FMIS	AN	ASYN 1 VAN 1200	TCC A470	INTER
FHWA FH031	TALLA FL	904576 WILLEY	RG4 FMIS	AN	ASYN 1 VAN 1200	TCC A470	INTER
FHWA FH032	RALEIGH NC	919934 WILLEY	RG4 FMIS	AN	ASYN 1 VAN 1200	TCC A470	INTER
FHWA FH033	ATLANTA GA	404881 WILLEY	RG4 FMIS	AN	ASYN 1 VAN 1200	TCC A470	INTER
FHWA FH034	COLUMBIA SC	803794 WILLEY	RG4 FMIS	AN	ASYN 1 VAN 1200	TCC A470	INTER
FHWA FH035	FRANKFORT KY	502227 WILLEY	RG4 FMIS	AN	ASYN 1 VAN 1200	TCC A470	INTER
FHWA FH036	NASHVILLE TN	615327 WILLEY	RG4 FMIS	AN	ASYN 1 VAN 1200	TCC A470	INTER
FHWA FH037	HOMWOOD IL	312798 WILLEY	RG5 FMIS	AN	ASYN 1 VAN 1200	TCC A470	INTER
FHWA FH038	SPRINGFIELD IL	217525 WILLEY	DIV FMIS	AN	ASYN 1 VAN 1200	TCC A470	INTER
FHWA FH039	INDIAN IN	317247 WILLEY	DIV FMIS	AN	ASYN 1 VAN 1200	TCC A470	INTER
FHWA FH040	LANSING MI	517321 WILLEY	DIV FMIS	AN	ASYN 1 VAN 1200	TCC A470	INTER

DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

TERMINAL LOCATIONS

TIME PERIOD : 1981

NAL ADMIN ID	CITY	LOCATION ST ACES	CONTACT	AGENCY INF OFF PROG APPL	TERMINAL INF TYPE MODEL SYNC NDV	CIRCUIT INF TYPE SPEED GSA-ID	RESOURCE CNTR HOST	TRAF TYPE
FHWA FH041	STPAUL	MN 612224	WILLEY	DIV FMIS	AN ASYN 1 VAN	1200 TCC A470	INTF	
FHWA FH042	COLUMBUS	OH 614237	WILLEY	DIV FMIS	AN ASYN 1 VAN	1200 TCC A470	INTER	
FHWA FH043	MADISON	WI 608244	WILLEY	DIV FMIS	AN ASYN 1 VAN	1200 TCC A470	INTER	
FHWA FH044	FTWORTH	TX 817624	WILLEY	RG6 FMIS	AN ASYN 1 VAN	1200 TCC A470	INTER	
FHWA FH045	LITTLE ROCK	AR 501374	WILLEY	DIV FMIS	AN ASYN 1 VAN	1200 TCC A470	INTER	
FHWA FH046	BATON ROGE	LA 504355	WILLEY	DIV FMIS	AN ASYN 1 VAN	1200 TCC A470	INTER	
FHWA FH047	SANTEFE	NM 505471	WILLEY	DIV FMIS	AN ASYN 1 VAN	1200 TCC A470	INTER	
FHWA FH048	OAKCITY	OK 405231	WILLEY	DIV FMIS	AN ASYN 1 VAN	1200 TCC A470	INTER	
FHWA FH049	AUSTIN	TX 512478	WILLEY	DIV FMIS	AN ASYN 1 VAN	1200 TCC A470	INTER	
FHWA FH050	KANS CITY	OK 512478	WILLEY	DIV FMIS	AN ASYN 1 VAN	1200 TCC A470	INTER	
FHWA FH051	AMES	IA 515233	WILLEY	DIV FMIS	AN ASYN 1 VAN	1200 TCC A470	INTER	
FHWA FH052	TOPEKA	KS 913295	WILLEY	DIV FMIS	AN ASYN 1 VAN	1200 TCC A470	INTER	
FHWA FH053	TOPEKA	KS 314751	WILLEY	DIV FMIS	AN ASYN 1 VAN	1200 TCC A470	INTER	
FHWA FH054	LINCOLN	NB 402471	WILLEY	DIV FMIS	AN ASYN 1 VAN	1200 TCC A470	INTER	
FHWA FH055	DENVER	CO 303837	WILLEY	RG8 FMIS	AN ASYN 1 VAN	1200 TCC A470	INTER	
FHWA FH056	DENVER	CO 303327	WILLEY	DIV FMIS	AN ASYN 1 VAN	1200 TCC A470	INTER	
FHWA FH057	PIERRE	SD 605224	WILLEY	DIV FMIS	AN ASYN 1 VAN	1200 TCC A470	INTER	
FHWA FH058	SALT LAKE	UT 801524	WILLEY	DIV FMIS	AN ASYN 1 VAN	1200 TCC A470	INTER	
FHWA FH059	BISMARCK	ND 701223	WILLEY	DIV FMIS	AN ASYN 1 VAN	1200 TCC A470	INTER	
FHWA FH060	CHEYENNE	WY 307638	WILLEY	DIV FMIS	AN ASYN 1 VAN	1200 TCC A470	INTER	

DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

TERMINAL LOCATIONS

TIME PERIOD : 1981

NAC ADMIN ID	CITY	LOCATION ST ACEX	CONTACT	AGENCY INF OFF PROG AFPL	TERMINAL INF TYPE MODEL SYNC NDV	CIRCUIT INF TYPE SPEED GSA-ID	RESOURCE CNTR HOST	TRAF TYPE
FHWA FH061	SANFRAN	CA 415876	WILLEY	DIV FMIS	AN ASYN 1 VAN	1200	TCC A470	INTER
FHWA FH062	PHOENIX	AZ 602261	WILLEY	DIV FMIS	AN ASYN 1 VAN	1200	TCC A470	INTER
FHWA FH063	SACRAMENTO	CA 916927	WILLEY	DIV FMIS	AN ASYN 1 VAN	1200	TCC A470	INTER
FHWA FH064	HONOLULU	HI 808526	WILLEY	DIV FMIS	AN ASYN 1 VAN	1200	TCC A470	INTER
FHWA FH065	CARSONCTY	NV 702885	WILLEY	DIV FMIS	AN ASYN 1 VAN	1200	TCC A470	INTER
FHWA FH066	PORTLAND	OR 503648	WILLEY	RG10 FMIS	AN ASYN 1 VAN	1200	TCC A470	INTER
FHWA FH067	JUNEAU	AK 907789	WILLEY	DIV FMIS	AN ASYN 1 VAN	1200	TCC A470	INTER
FHWA FH068	BOISE	ID 208384	WILLEY	DIV FMIS	AN ASYN 1 VAN	1200	TCC A470	INTER
FHWA FH069	SALEM	OR 503581	WILLEY	DIV FMIS	AN ASYN 1 VAN	1200	TCC A470	INTER
FHWA FH070	OLYMPIA	WA 206753	WILLEY	DIV FMIS	AN ASYN 1 VAN	1200	TCC A470	INTER
FHWA FH071	ARLINGTON	VA 703557	WILLEY	RG15 FMIS	AN ASYN 1 VAN	1200	TCC A470	INTER
FHWA FH072	WASH	DC 202426	WILLEY	HDQT FMIS	AN ASYN 5 CABL	1200	TCC A470	INTER
FHWA FH073	WASH	DC 202426	WILLEY	HDQT BMCS	AN ADM42 ASYN 1 CABL	1200	TCC A470	INTER
FHWA FH074	ALBANY	NY 518427	WILLEY	RG1 MCSI	AN ADM42 ASYN 1 VAN	1200	TCC A470	INTER
FHWA FH075	ATLANTA	GA 404469	WILLEY	RG4 MCSI	AN ADM42 ASYN 1 VAN	1200	TCC A470	INTER
FHWA FH076	ATLANTA	IL 312798	WILLEY	RG5 MCSI	AN ADM42 ASYN 1 VAN	1200	TCC A470	INTER
FHWA FH077	FTWORTH	TX 817624	WILLEY	RG6 MCSI	AN ADM42 ASYN 1 VAN	1200	TCC A470	INTER
FHWA FH078	DENVER	CO 303327	WILLEY	RG8 MCSI	AN ADM42 ASYN 1 VAN	1200	TCC A470	INTER
FHWA FH079	PORTLAND	OR 503648	WILLEY	RG10 MCSI	AN ADM42 ASYN 1 VAN	1200	TCC A470	INTER
FHWA FH080	ARLINGTON	VA 703557	WILLEY	RG15 MCSI	AN ADM42 ASYN 1 VAN	1200	TCC A470	INTER

DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

TERMINAL LOCATIONS

TIME PERIOD : 1981

NAC		LOCATION		CONTACT	AGENCY INF			TERMINAL INF				CIRCUIT INF			RESOURCE		TRAF
ADMIN ID	CITY	ST	ACEX		OFF	PROG	APPL	TYPE	MODEL	SYNC	NDV	TYPE	SPEED	GSA-ID	UNTR	HOST	TYPE
FHWA	FH081	BALTIMORE	MD	301962	WILLEY	RG3	MCSI	AN	ADM42	ASYN	1	VAN	1200		TCC	A470	INTER

DEPARTMENT OF TRANSPORTATION
FEDERAL RAILROAD ADMINISTRATION

TERMINAL LOCATIONS

TIME PERIOD : 1981

ADMIN	NAC ID	CITY	LOCATION ST ACEN	CONTACT	AGENCY INF OFF PROG APPL	TERMINAL INF TYPE MODEL SYNC NDV	CIRCUIT INF TYPE SPEED GSA-ID	RESOURCE CNTR HOST	TRF TYPE
FRA	FR001	WASH	DC 202426	FINKELSTEIN	HDQT RS	TP AJ832 ASYN 1 LD	300	BOEIN 13033	INTER
FRA	FR002	WASH	DC 202426	FINKELSTEIN	HDQT RS	TP AJ832 ASYN 1 LD	300	BOEIN 13033	INTER
FRA	FR003	WASH	DC 202426	FINKELSTEIN	HDQT RS	TP AJ832 ASYN 1 LD	300	BOEIN 13033	INTER
FRA	FR004	WASH	DC 202426	FINKELSTEIN	HDQT RS	AN V203 ASYN 1 LD	300	BOEIN 13033	INTER
FRA	FR005	WASH	DC 202426	FINKELSTEIN	HDQT RS	TP TI700 ASYN 1 LD	300	BOEIN 13033	BATCH
FRA	FR006	WASH	DC 202426	FINKELSTEIN	HDQT RS	TP TI700 ASYN 1 LD	300	BOEIN 13033	BATCH
FRA	FR007	WASH	DC 202426	FINKELSTEIN	HDQT RS	AN T4013 ASYN 1 LD	1200	BOEIN 13033	GRAPH
FRA	FR008	WASH	DC 202426	CHIN	HDQT POL	RJE D100 SYNC 1 LPP	4800	BOEIN 13033	BATCH
FRA	FR009	WASH	DC 202426	CHIN	HDQT POL	RJE D100 SYNC 1 LPP	4800	INFOR 13033	BATCH
FRA	FR010	WASH	DC 202426	CHIN	HDQT POL	TP AJ860 ASYN 1 LD	300	BOEIN 13033	INTER
FRA	FR011	WASH	DC 202426	CHIN	HDQT POL	TP AJ860 ASYN 1 LD	300	INFOR	INTER
FRA	FR012	WASH	DC 202426	CHIN	HDQT POL	TP TI700 ASYN 1 LD	1200	BOEIN 13033	INTER
FRA	FR013	WASH	DC 202426	CHIN	HDQT POL	TP TI700 ASYN 1 LD	1200	INFOR	INTER
FRA	FR014	WASH	DC 202426	CHIN	HDQT POL	AN T4015 ASYN 1 LD	1200	BOEIN 13033	GRAPH
						LD 1200		BOEIN 13033	GRAPH
FRA	FR015	WASH	DC 202426	CHIN	HDQT POL	AN T4027 ASYN 1 LD	1200	BOEIN 13033	GRAPH
						LD 1200		INFOR	GRAPH
FRA	FR016	WASH	DC 202426	LIFSKEY	HDQT FA	TP AJ860 ASYN 1 LD	300	TYMSH 1370	INTER
FRA	FR017	WASH	DC 202426	MINTON	HDQT ADMIN ACCT	TP EXEC ASYN 1 LD	300	CS UN113	
FRA	FR018	WASH	DC 202426	COCHRAN	HDQT ADMIN PROC	AN D3000 ASYN 1 LD	1200	ADP DEC1	
FRA	FR019	WASH	DC 202426	COCHRAN	HDQT ADMIN PROC	AN D3000 ASYN 1 LD	1200	ADP DEC1	
FRA	FR020	PUEBLO	CO 215326	HAAS	TTC ADMIN TEST	AN HVIP SYNC 16 CABL	2400	TTC H660	

DEPARTMENT OF TRANSPORTATION
NATIONAL HIGHWAY TRAFFIC & SAFETY ADMINISTRATION

TERMINAL LOCATIONS

TIME PERIOD : 1981

NAC ADMIN ID	CITY	LOCATION ST ACEX	CONTACT	AGENCY INF OFF PROG APPL	TERMINAL INF TYPE MODEL SYNC NDV	CIRCUIT INF TYPE SPEED GSA-ID	RESOURCE CNTR HOST	TRAF TYPE
NHTSA NH101	CAMBRIDGE MA	017494	WITT	RG1 RD FARS	TP DECII ASYN 1 LD	300	INFOR 1370	INTER
NHTSA NH102	ATLANTA GA	404881	WITT	RG4 RD FARS	TP DECII ASYN 1 LD	300	INFOR 1370	INTER
NHTSA NH103	CHICAGO IL	312756	WITT	RG5 RD FARS	TP DECII ASYN 1 LD	300	INFOR 1370	INTER
NHTSA NH104	LAKEWOOD CO	303234	WITT	RG8 RD FARS	TP DECII ASYN 1 LD	300	INFOR 1370	INTER
NHTSA NH105	SANFRAN CA	415556	WITT	RG9 RD FARS	TP DECII ASYN 1 LD	300	INFOR 1370	INTER
NHTSA NH106	SEATTLE WA	206442	WITT	RG10 RD FARS	TP DECII ASYN 1 LD	300	INFOR 1370	INTER
NHTSA NH107	WHITEPLNS NY	914761	WITT	RG2 RD FARS	TP DECII ASYN 1 LD	300	INFOR 1370	INTER
NHTSA NH108	LINTHICUM MD	301796	WITT	RG3 RD FARS	TP DECII ASYN 1 LD	300	INFOR 1370	INTER
NHTSA NH109	FTWORTH TX	817334	WITT	RG6 RD FARS	TP DECII ASYN 1 LD	300	INFOR 1370	INTER
NHTSA NH110	KNSCITY MO	816926	WITT	RG7 RD FARS	TP DECII ASYN 1 LD	300	INFOR 1370	INTER
NHTSA NH201	SACRAMENTO CA	916443	WITT	FLD RD FARS	TP DECII ASYN 1 LD	300	INFOR 1370	INTER
NHTSA NH202	DENVER CO	303623	WITT	FLD RD FARS	TP DECII ASYN 1 LD	300	INFOR 1370	INTER
NHTSA NH203	ATLANTA GA	404881	WITT	FLD RD FARS	TP DECII ASYN 1 LD	300	INFOR 1370	INTER
NHTSA NH204	SPRINGFIELD IL	217753	WITT	FLD RD FARS	TP DECII ASYN 1 LD	300	INFOR 1370	INTER
NHTSA NH205	CONCORD NH	603224	WITT	FLD RD FARS	TP DECII ASYN 1 LD	300	INFOR 1370	INTER
NHTSA NH206	OLYMPIA WA	206753	WITT	FLD RD FARS	TP DECII ASYN 1 LD	300	INFOR 1370	INTER
NHTSA NH207	MONTGOMRY AL	206753	WITT	FLD RD FARS	TP DECII ASYN 1 LD	300	INFOR 1370	INTER
NHTSA NH208	JUNEAU AK	907789	WITT	FLD RD FARS	TP DECII ASYN 1 WATS	300	INFOR 1370	INTER
NHTSA NH209	PHOENIX AZ	602257	WITT	FLD RD FARS	TP DECII ASYN 1 WATS	300	INFOR 1370	INTER
NHTSA NH210	LITTLE ROCK AR	501378	WITT	FLD RD FARS	TP DECII ASYN 1 WATS	300	INFOR 1370	INTER

DEPARTMENT OF TRANSPORTATION
NATIONAL HIGHWAY TRAFFIC & SAFETY ADMINISTRATION

TERMINAL LOCATIONS

TIME PERIOD : 1981

NAC ADMIN ID	CITY	LOCATION ST ASEX	CONTACT	AGENCY INF OFF PROG APPL	TERMINAL INF TYPE MODEL SYNC NDV	CIRCUIT INF TYPE SPEED GSA-ID	RESOURCE CNTR HOST	TRF TYPE
NHTSA NH211	WETHERFIELD	CT 203244	WITT	FLD RD FARS	TP DECII ASYN 1 WATS	300	INFOR 1370	INTER
NHTSA NH212	DOVER	DE 302487	WITT	FLD RD FARS	TP DECII ASYN 1 WATS	300	INFOR 1370	INTER
NHTSA NH213	WASH	DC 202426	WITT	HQGT RD FARS	TP DECII ASYN 1 LD	300	INFOR 1370	INTER
NHTSA NH214	TALLA	FL 904224	WITT	FLD RD FARS	TP DECII ASYN 1 WATS	300	INFOR 1370	INTER
NHTSA NH215	HONOLULU	HI 808546	WITT	FLD RD FARS	TP DECII ASYN 1 WATS	300	INFOR 1370	INTER
NHTSA NH216	BOISE	ID 208344	WITT	FLD RD FARS	TP DECII ASYN 1 LD	300	INFOR 1370	INTER
NHTSA NH217	INDIAN	IN 208344	WITT	FLD RD FARS	TP DECII ASYN 1 LD	300	INFOR 1370	INTER
NHTSA NH218	DES MOINES	IA 515288	WITT	FLD RD FARS	TP DECII ASYN 1 LD	300	INFOR 1370	INTER
NHTSA NH219	TOPEKA	KS 913267	WITT	FLD RD FARS	TP DECII ASYN 1 WATS	300	INFOR 1370	INTER
NHTSA NH220	FRANKFORT	KY 502223	WITT	FLD RD FARS	TP DECII ASYN 1 LD	300	INFOR 1370	INTER
NHTSA NH221	BATON ROGE	LA 504389	WITT	FLD RD FARS	TP DECII ASYN 1 WATS	300	INFOR 1370	INTER
NHTSA NH222	AUGUSTA	ME 207622	WITT	FLD RD FARS	TP DECII ASYN 1 WATS	300	INFOR 1370	INTER
NHTSA NH223	PIKESVILLE	MD 301406	WITT	FLD RD FARS	TP DECII ASYN 1 WATS	300	INFOR 1370	INTER
NHTSA NH224	BOSTON	MA 617451	WITT	FLD RD FARS	TP DECII ASYN 1 LD	300	INFOR 1370	INTER
NHTSA NH225	LANSING	MI 517372	WITT	FLD RD FARS	TP DECII ASYN 1 WATS	300	INFOR 1370	INTER
NHTSA NH226	ST PAUL	MN 612339	WITT	FLD RD FARS	TP DECII ASYN 1 LD	300	INFOR 1370	INTER
NHTSA NH227	JACKSON	MS 601969	WITT	FLD RD FARS	TP DECII ASYN 1 WATS	300	INFOR 1370	INTER
NHTSA NH228	JEFFERSON CITY	MO 314636	WITT	FLD RD FARS	TP DECII ASYN 1 WATS	300	INFOR 1370	INTER
NHTSA NH229	HELENA	MT 406449	WITT	FLD RD FARS	TP DECII ASYN 1 WATS	300	INFOR 1370	INTER
NHTSA NH230	LINCOLN	PR 402471	WITT	FLD RD FARS	TP DECII ASYN 1 WATS	300	INFOR 1370	INTER

DEPARTMENT OF TRANSPORTATION
NATIONAL HIGHWAY TRAFFIC & SAFETY ADMINISTRATION

TERMINAL LOCATIONS

TIME PERIOD : 1981

NAC ADMIN ID	CITY	LOCATION ST ASEX	CONTACT	AGENCY INF OFF PROG APPL	TERMINAL INF TYPE MODEL SYNC NDV	CIRCUIT INF TYPE SPEED GSA-ID	RESOURCE CNTR HOST	TRAF TYPE
NHTSA NH231	CARSON CITY	NV 702885	WITT	FLD RD FARS	TP DECII ASYN 1 WATS	300	INFOR 1370	INTER
NHTSA NH232	TRENTON	NJ 609392	WITT	FLD RD FARS	TP DECII ASYN 1 LD	300	INFOR 1370	INTER
NHTSA NH233	SANTEFE	NM 505988	WITT	FLD RD FARS	TP DECII ASYN 1 WATS	300	INFOR 1370	INTER
NHTSA NH234	ALBANY	NY 518445	WITT	FLD RD FARS	TP DECII ASYN 1 LD	300	INFOR 1370	INTER
NHTSA NH235	RALEIGH	NC 919549	WITT	FLD RD FARS	TP DECII ASYN 1 LD	300	INFOR 1370	INTER
NHTSA NH236	BISMARCK	ND 701255	WITT	FLD RD FARS	TP DECII ASYN 1 WATS	300	INFOR 1370	INTER
NHTSA NH237	COLUMBUS	OH 614463	WITT	FLD RD FARS	TP DECII ASYN 1 LD	300	INFOR 1370	INTER
NHTSA NH238	OKLAHOMA CITY	OK 405232	WITT	FLD RD FARS	TP DECII ASYN 1 LD	300	INFOR 1370	INTER
NHTSA NH239	SALEM	OR 503378	WITT	FLD RD FARS	TP DECII ASYN 1 WATS	300	INFOR 1370	INTER
NHTSA NH240	HARRISBURG	PA 717782	WITT	FLD RD FARS	TP DECII ASYN 1 WATS	300	INFOR 1370	INTER
NHTSA NH241	SANTURCE	PR 717782	WITT	FLD RD FARS	TP DECII ASYN 1 DDD	300	INFOR 1370	INTER
NHTSA NH242	PROVIDENCE	RI 401272	WITT	FLD RD FARS	TP DECII ASYN 1 LD	300	INFOR 1370	INTER
NHTSA NH243	COLUMBIA	SC 803765	WITT	FLD RD FARS	TP DECII ASYN 1 WATS	300	INFOR 1370	INTER
NHTSA NH244	PIERRE	SD 605224	WITT	FLD RD FARS	TP DECII ASYN 1 LD	300	INFOR 1370	INTER
NHTSA NH245	NASHVILLE	TN 615244	WITT	FLD RD FARS	TP DECII ASYN 1 LD	300	INFOR 1370	INTER
NHTSA NH246	AUSTIN	TX 512926	WITT	FLD RD FARS	TP DECII ASYN 1 LD	300	INFOR 1370	INTER
NHTSA NH247	SALT LAKE	UT 801364	WITT	FLD RD FARS	TP DECII ASYN 1 LD	300	INFOR 1370	INTER
NHTSA NH248	MONTELEONE	UT 802223	WITT	FLD RD FARS	TP DECII ASYN 1 WATS	300	INFOR 1370	INTER
NHTSA NH249	RICHMOND	VA 804348	WITT	FLD RD FARS	TP DECII ASYN 1 LD	300	INFOR 1370	INTER
NHTSA NH250	CHRISTIAN	WV 303343	WITT	FLD RD FARS	TP DECII ASYN 1 WATS	300	INFOR 1370	INTER

DEPARTMENT OF TRANSPORTATION
NATIONAL HIGHWAY TRAFFIC & SAFETY ADMINISTRATION

TERMINAL LOCATIONS

TIME PERIOD : 1981

NAC ADMIN ID	CITY	LOCATION ST AEX	CONTACT	AGENCY INF OFF PROG APPL	TERMINAL INF TYPE MODEL SYNC NDV	CIRCUIT INF TYPE SPEED GSA-ID	RESOURCE CNTR HOST	TIME TYPE
NHTSA NH251	MADISON	WI 608251	WITT	FLD RD FARS	TP DECII ASYN 1 LD	300	INFOR 1370	INTER
NHTSA NH252	CHEYENNE	WY 307779	WITT	FLD RD FARS	TP DECII ASYN 1 LD	300	INFOR 1370	INTER
NHTSA NH310	KANKAKEE	IL 815937	WITT	FLD RD NASS	TP DECII ASYN 1 WATS WATS	300 300	INFOR MAUTO	INTER BATCH
NHTSA NH271	KINGSTON	NY 914331	WITT	FLD RD NASS	TP DECII ASYN 1 WATS WATS	300 300	INFOR MAUTO	INTER BATCH
NHTSA NH268	ERIE	NY 814453	WITT	FLD RD NASS	TP DECII ASYN 1 VAN WATS	300 300	INFOR MAUTO	INTER BATCH
NHTSA NH269	SPRINGFLD	PA 215544	WITT	FLD RD NASS	TP DECII ASYN 1 WATS WATS	300 300	INFOR MAUTO	INTER BATCH
NHTSA NH290	BERGEN	NJ *****	WITT	FLD RD NASS	TP DECII ASYN 1 WATS WATS	300 300	INFOR MAUTO	INTER INTER
NHTSA NH289	LACKAWNA	PA *****	WITT	FLD RD NASS	TP DECII ASYN 1 WATS WATS	300 300	INFOR MAUTO	INTER BATCH
NHTSA NH311	PHILA	PA 215597	WITT	FLD RD NASS	TP DECII ASYN 1 VAN WATS	300 300	INFOR MAUTO	BATCH BATCH
NHTSA NH312	ALLISONPK	PA 412486	WITT	FLD RD NASS	TP DECII ASYN 1 WATS WATS	300 300	INFOR MAUTO	INTER BATCH
NHTSA NH291	RUTHERFRD	NC 704287	WITT	FLD RD NASS	TP DECII ASYN 1 WATS WATS	300 300	INFOR MAUTO	INTER BATCH
NHTSA NH264	DALLAS	TX 214749	WITT	FLD RD NASS	TP DECII ASYN 1 VAN WATS	300 300	INFOR MAUTO	INTER BATCH
NHTSA NH292	DOUGLAS	NB 402799	WITT	FLD RD NASS	TP DECII ASYN 1 WATS WATS	300 300	INFOR MAUTO	BATCH BATCH
NHTSA NH293	CONCORD	CA 415687	WITT	FLD RD NASS	TP DECII ASYN 1 WATS WATS	300 300	INFOR MAUTO	INTER BATCH

DEPARTMENT OF TRANSPORTATION
NATIONAL HIGHWAY TRAFFIC & SAFETY ADMINISTRATION

TERMINAL LOCATIONS

TIME PERIOD : 1981

NAL ADMIN ID	CITY	LOCATION ST ACES	CONTACT	AGENCY INF OFF PROG APPL	TERMINAL INF TYPE MODEL SYNC NOV	CIRCUIT INF TYPE SPEED GSA-ID	RESOURCE CNTR HOST	TRAF TYPE
NHTSA NH317	EDENBURG	TX 512383	WITT	FLD RD NASS	TP DECII ASYN 1 WATS	300 300	INFOR MAUTO	INTER BATCH
NHTSA NH318	SEATTLE	WA 206442	WITT	RG10 RD NASS	TP DECII ASYN 1 VAN	300 300	INFOR MAUTO	INTER BATCH
NHTSA NH262	BLMINGTON	IN 812332	WITT	ZNA RD NASS	TP DECII ASYN 1 WATS	300 300	INFOR MAUTO	INTER BATCH
NHTSA NH263	BUFFALO	NY 716842	WITT	ZNB RD NASS	TP DECII ASYN 1 VAN	300 300	INFOR MAUTO	INTER BATCH
NHTSA NH274	SAW ANTON	TX 512227	WITT	ZNC RD NASS	TP DECII ASYN 1 VAN	300 300	INFOR MAUTO	INTER BATCH
NHTSA NH275	DOWNY	CA 213923	WITT	ZND RD NASS	TP DECII ASYN 1 WATS	300 300	INFOR MAUTO	INTER BATCH
NHTSA NH285	CHICAGO	IL 312353	WITT	FLD RD NASS	TP DECII ASYN 1 VAN	300 300	INFOR MAUTO	INTER BATCH
NHTSA NH261	WASH	DC 202426	WITT	HQDT RD NASS	TP DECII ASYN 1 LD	300 300	INFOR MAUTO	INTER BATCH
NHTSA NH270	MUSKEGON	MI 616722	WITT	FLD RD NASS	TP DECII ASYN 1 WATS	300 300	INFOR MAUTO	INTER BATCH
NHTSA NH287	STLOUIS	MO 314231	WITT	FLD RD NASS	TP DECII ASYN 1 VAN	300 300	INFOR MAUTO	INTER BATCH
NHTSA NH298	GENESSEE	MI 313640	WITT	FLD RD NASS	TP DECII ASYN 1 WATS	300 300	INFOR MAUTO	INTER BATCH
NHTSA NH266	STJOSEPH	MI 616983	WITT	FLD RD NASS	TP DECII ASYN 1 WATS	300 300	INFOR MAUTO	INTER BATCH
NHTSA NH309	MERLVLE	IN 219769	WITT	FLD RD NASS	TP DECII ASYN 1 WATS	300 300	INFOR MAUTO	INTER BATCH

DEPARTMENT OF TRANSPORTATION
NATIONAL HIGHWAY TRAFFIC & SAFETY ADMINISTRATION

TERMINAL LOCATIONS

TIME PERIOD : 1981

NAC ADMIN ID	CITY	LOCATION ST ACES	CONTACT	AGENCY INF OFF PROG APPL	TERMINAL INF TYPE MODEL SYNC MDV	CIRCUIT INF TYPE SPEED GSA-ID	RESOURCE CNTR HOST	TRAF TYPE
NHTSA NH294	GILP10	CO *****	WITT	FLD RD NASS	TP DECII ASYN	1 WATS WATS 300	INFOR MAUTO	INTER BATCH
NHTSA NH295	YUMA	AZ 602782	WITT	FLD RD NASS	TP DECII ASYN	1 WATS WATS 300	INFOR MAUTO	INTER BATCH
NHTSA NH315	ALBRO	NH 505958	WITT	FLD RD NASS	TP DECII ASYN	1 VAN WATS 300	INFOR MAUTO	INTER BATCH
NHTSA NH316	STURGESS	SD 605347	WITT	FLD RD NASS	TP DECII ASYN	1 WATS WATS 300	INFOR MAUTO	INTER BATCH
NHTSA NH313	SCOTIA	NY 518377	WITT	FLD RD NASS	TP DECII ASYN	1 WATS WATS 300	INFOR MAUTO	INTER BATCH
NHTSA NH267	ETLAUDER	FL 305463	WITT	FLD RD NASS	TP DECII ASYN	1 VAN WATS 300	INFOR MAUTO	INTER BATCH
NHTSA NH265	MONTEVALD	AL 205665	WITT	FLD RD NASS	TP DECII ASYN	1 WATS WATS 300	INFOR MAUTO	INTER BATCH
NHTSA NH266	MONTECELO	AR 501367	WITT	FLD RD NASS	TP DECII ASYN	1 WATS WATS 300	INFOR MAUTO	INTER BATCH
NHTSA NH359	MTVERNUN	WA 501367	WITT	FLD RD NASS	TP DECII ASYN	1 WATS WATS 300	INFOR MAUTO	INTER BATCH
NHTSA NH314	NORTHPT	AL 205752	WITT	FLD RD NASS	TP DECII ASYN	1 WATS WATS 300	INFOR MAUTO	INTER BATCH
NHTSA NH446	BUFFALO	NY 716842		FLD RD	RJE HR160 SYNC	1 LD 2400	CALSF	BATCH
NHTSA NH447	WASH	DC 202426	CLARKE	HDQT RD ENG	AN HR160 ASYN	1 LD 1200	GE	INTER
NHTSA NH448	WASH	DC 202426	KANIATHRA	HDQT RD ENG	AN HR160 ASYN	1 LD 1200	MAUTO	INTER
NHTSA NH449	WASH	DC 202426	HAINES	HDQT RD DPR	AN VT100 ASYN	1 LD 1200	TYNSH	INTER
NHTSA NH450	WASH	DC 202426	HAINES	HDQT RD DPR	TP VT100 ASYN	1 LD 300	TYNSH	INTER

DEPARTMENT OF TRANSPORTATION
NATIONAL HIGHWAY TRAFFIC & SAFETY ADMINISTRATION

TERMINAL LOCATIONS

TIME PERIOD : 1981

NAC ADMIN ID	CITY	LOCATION ST ACES	CONTACT	AGENCY INF OFF PROG APPL	TERMINAL INF TYPE MODEL SYNC NDV	CIRCUIT INF TYPE SPEED GSA ID	RESOURCE CNTR HOST	TRAF TYPE
NHTSA NH451	WASH	DC 202426	GOETTE	HDQT RD FUELS	PORT C1203 ASYN 2	MISC 300	MISC	INTER
NHTSA NH452	WASH	DC 202426	GOETTE	HDQT RD TEST	PORT T1745 ASYN 3	MISC 300	MISC	INTER
NHTSA NH453	WASH	DC 202426	GOETTE	HDQT RD TEST	PORT T1765 ASYN 3	MISC 300	MISC	INTER
NHTSA NH454	WASH	DC 202426	EISEMANN	HDQT RD	AN V203 ASYN 1	LD 300	INFOR	INTER
NHTSA NH455	WASH	DC 202426	LOMBARDO	HDQT RD	PORT T1765 ASYN 3	MISC 300	MISC	INTER
NHTSA NH441	WASH	DC 202426	WITT	HDQT RD AID	TP ASYN 1	LD 300	INFOR	INTER
NHTSA NH444	WASH	DC 202426	WITT	HDQT RD AID	TP ASYN 1	LD 300	INFOR	INTER
NHTSA NH446	WASH	DC 202426	WITT	HDQT RD AID	TP ASYN 1	LD 300	INFOR	INTER
NHTSA NH447	WASH	DC 202426	WITT	HDQT RD AID	TP ASYN 1	LD 300	INFOR	INTER
NHTSA NH448	WASH	DC 202426	WITT	HDQT RD AID	TP ASYN 1	LD 300	INFOR	INTER
NHTSA NH449	WASH	DC 202426	WITT	HDQT RD AID	TP ASYN 1	LD 300	INFOR	INTER
NHTSA NH450	WASH	DC 202426	WITT	HDQT RD AID	TP ASYN 1	LD 300	INFOR	INTER
NHTSA NH451	WASH	DC 202426	WITT	HDQT RD IMD	AN ADM3A ASYN 1	LD 300	INFOR	INTER
NHTSA NH452	WASH	DC 202426	WITT	HDQT RD IMD	AN ADM3A ASYN 1	LD 300	INFOR	INTER
NHTSA NH453	WASH	DC 202426	WITT	HDQT RD IMD	AN ADM3A ASYN 1	LD 300	INFOR	INTER
NHTSA NH454	WASH	DC 202426	WITT	HDQT RD IMD	AN ADM3A ASYN 1	LD 300	INFOR	INTER
NHTSA NH455	WASH	DC 202426	WITT	HDQT RD IMD	AN ADM3A ASYN 1	LD 300	INFOR	INTER
NHTSA NH456	WASH	DC 202426	WITT	HDQT RD IMD	AN ADM3A ASYN 1	LD 300	INFOR	INTER
NHTSA NH457	WASH	DC 202426	WITT	HDQT RD IMD	AN ADM3A ASYN 1	LD 300	INFOR	INTER
NHTSA NH458	WASH	DC 202426	WITT	HDQT RD IMD	AN ADM3A ASYN 1	LD 300	INFOR	INTER
NHTSA NH459	WASH	DC 202426	WITT	HDQT RD IMD	AN ADM3A ASYN 1	LD 300	INFOR	INTER
NHTSA NH460	WASH	DC 202426	WITT	HDQT RD IMD	AN ADM3A ASYN 1	LD 300	INFOR	INTER
NHTSA NH461	WASH	DC 202426	WITT	HDQT RD IMD	AN ADM3A ASYN 1	LD 300	INFOR	INTER
NHTSA NH462	WASH	DC 202426	WITT	HDQT RD IMD	AN ADM3A ASYN 1	LD 300	INFOR	INTER
NHTSA NH463	WASH	DC 202426	WITT	HDQT RD IMD	AN ADM3A ASYN 1	LD 300	INFOR	INTER
NHTSA NH464	WASH	DC 202426	WITT	HDQT RD IMD	AN ADM3A ASYN 1	LD 300	INFOR	INTER
NHTSA NH465	WASH	DC 202426	WITT	HDQT RD IMD	AN ADM3A ASYN 1	LD 300	INFOR	INTER
NHTSA NH466	WASH	DC 202426	WITT	HDQT RD IMD	AN ADM3A ASYN 1	LD 300	INFOR	INTER
NHTSA NH467	WASH	DC 202426	WITT	HDQT RD IMD	AN ADM3A ASYN 1	LD 300	INFOR	INTER
NHTSA NH468	WASH	DC 202426	WITT	HDQT RD IMD	AN ADM3A ASYN 1	LD 300	INFOR	INTER
NHTSA NH469	WASH	DC 202426	WITT	HDQT RD IMD	AN ADM3A ASYN 1	LD 300	INFOR	INTER
NHTSA NH470	WASH	DC 202426	WITT	HDQT RD IMD	AN ADM3A ASYN 1	LD 300	INFOR	INTER

DEPARTMENT OF TRANSPORTATION
NATIONAL HIGHWAY TRAFFIC & SAFETY ADMINISTRATION

TERMINAL LOCATIONS

TIME PERIOD : 1981

NAC ADMIN ID	CITY	LOCATION ST ACES	CONTACT	AGENCY INF			TERMINAL INF				CIRCUIT INF		RESOURCE		TRAF	
				OFF	PROG	APPL	TYPE	MODEL	SYNC	NDV	TYPE	SPEED	GSA-ID	CNTR	HOST	TYPE
NHTSA NH035	WASH	DC 202426	WITT	HDQT	RD	IMD	TP	ADM3A	ASYN	1	LD	300		INFOR		INTL
NHTSA NH066	WASH	DC 202426	WITT	HDQT	RD	IMD	TP	ADM3A	ASYN	1	LD	300		INFOR		INTER
NHTSA NH069	WASH	DC 202426	WITT	HDQT	RD	IMD	TP	ADM3A	ASYN	1	LD	300		INFOR		INTER
NHTSA NH020	WASH	DC 202426	WITT	HDQT	RD	IMD	TP	ADM3A	ASYN	1	LD	300		INFOR		INTER
NHTSA NH036	WASH	DC 202426	WITT	HDQT	RD	IMD	TP	ADM3A	ASYN	1	LD	300		INFOR		INTER
NHTSA NH013	WASH	DC 202426	WITT	HDQT	RD	MAD	TP	ADM3A	ASYN	1	LD	300		INFOR		INTER
NHTSA NH022	WASH	DC 202426	WITT	HDQT	RD	MAD	TP	ADM3A	ASYN	1	LD	300		INFOR		INTER
NHTSA NH023	WASH	DC 202426	WITT	HDQT	RD	MAD	TP	AJ630	ASYN	1	LD	300		INFOR		INTER
NHTSA NH025	WASH	DC 202426	WITT	HDQT	RD	MAD	AN	ADM3A	ASYN	1	LD	300		INFOR		INTER
NHTSA NH029	WASH	DC 202426	WITT	HDQT	RD	MAD	AN	ADM3A	ASYN	1	LD	300		INFOR		INTER
NHTSA NH090	WASH	DC 202426	WITT	HDQT	RD	MAD	AN	ADM3A	ASYN	1	LD	300		INFOR		INTER
NHTSA NH031	WASH	DC 202426	WITT	HDQT	RD	MAD	AN	ADM3A	ASYN	1	LD	300		INFOR		INTER
NHTSA NH034	WASH	DC 202426	WITT	HDQT	RD	MAD	AN	ADM3A	ASYN	1	LD	300		INFOR		INTER
NHTSA NH048	WASH	DC 202426	WITT	HDQT	RD	MAD	AN	ADM3A	ASYN	1	LD	300		INFOR		INTER
NHTSA NH051	WASH	DC 202426	WITT	HDQT	RD	MAD	AN	ADM3A	ASYN	1	LD	300		INFOR		INTER
NHTSA NH068	WASH	DC 202426	WITT	HDQT	RD	MAD	AN	ADM3A	ASYN	1	LD	300		INFOR		INTER
NHTSA NH600	WASH	DC 202426	WITT	HDQT	RD		PORT	C1132	ASYN	6	LD	300		MISC		INTER
NHTSA NH601	WASH	DC 202426	WITT	HDQT	RD		PORT	T1765	ASYN	1	LD	300		MISC		INTER
NHTSA NH400	WASH	DC 202426	PAVLOVIC	HDQT	ENF	DEF	AN	HZ510	ASYN	1	LD	300		INFOR	I370 BOEIN I360	INTL INTER

DEPARTMENT OF TRANSPORTATION
NATIONAL HIGHWAY TRAFFIC & SAFETY ADMINISTRATION

TERMINAL LOCATIONS

TIME PERIOD : 1981

NAC ADMIN ID	CITY	LOCATION ST ACES	CONTACT	AGENCY INF OFF PROG APPL	TERMINAL INF TYPE MODEL SYNC NDV	CIRCUIT INF TYPE SPEED GSA-ID	RESOURCE CNTR HOST	TRAF TYPE
NHTSA NH401 WASH		DC 202426	PAVLOVIC	HDQT ENF DEF	AN HZ510 ASYN 1 LD	300 300	INFOR 1370 BOEIN 1360	INTER INTER
NHTSA NH402 WASH		DC 202426	PAVLOVIC	HDQT ENF DEF	AN HZ510 ASYN 1 LD	300 300	INFOR 1370 BOEIN 1360	INTER INTER
NHTSA NH403 WASH		DC 202426	PAVLOVIC	HDQT ENF DEF	AN HZ510 ASYN 1 LD	300 300	INFOR 1370 BOEIN 1360	INTER INTER
NHTSA NH404 WASH		DC 202426	PAVLOVIC	HDQT ENF DEF	AN HZ510 ASYN 1 LD	300 300	INFOR 1360 BOEIN 1360	INTER INTER
NHTSA NH405 WASH		DC 202426	PAVLOVIC	HDQT ENF DEF	AN HZ510 ASYN 1 LD	300 300	INFOR 1370 BOEIN 1360	INTER INTER
NHTSA NH406 WASH		DC 202426	PAVLOVIC	HDQT ENF DEF	AN HZ510 ASYN 1 LD	300 300	INFOR 1370 BOEIN 1360	INTER INTER
NHTSA NH407 WASH		DC 202426	PAVLOVIC	HDQT ENF DEF	AN HZ510 ASYN 1 LD	300 300	INFOR 1360 BOEIN 1360	INTER INTER
NHTSA NH408 WASH		DC 202426	PAVLOVIC	HDQT ENF DEF	PORT C1202 ASYN 6 MISC	300	MISC	INTER
NHTSA NH414 WASH		DC 202426	KAHANE	HDQT ADMIN PP	TP AJ630 ASYN 1 LD	300	INFOR 1370	INTER
NHTSA NH415 DENVER	CO	303234		RG8 ADMIN	AN V203 ASYN 1 DDD	300	MAUTO 1370	INTER
NHTSA NH416 CAMBRIDGE MA		617494		RG1 ADMIN FMIA	TP AJ630 ASYN 1 DDD	300	MAUTO 1370	INTER
NHTSA NH417 WHITEPLNS NY		914761		RG2 ADMIN FMIA	TP AJ630 ASYN 1 DDD	300	MAUTO 1370	INTER
NHTSA NH418 LINTHICUM MD		301796		RG3 ADMIN FMIA	TP AJ630 ASYN 1 DDD	300	MAUTO 1370	INTER
NHTSA NH419 ATLANTA GA		404881		RG4 ADMIN FMIA	TP AJ630 ASYN 1 DDD	300	MAUTO 1370	INTER
NHTSA NH420 CHICAGO IL		312756		RG5 ADMIN FMIA	TP AJ630 ASYN 1 DDD	300	MAUTO 1370	INTER
NHTSA NH421 SEATTLE WA		206442		RG10 ADMIN FMIA	TP AJ630 ASYN 1 DDD	300	MAUTO 1370	INTER

DEPARTMENT OF TRANSPORTATION
NATIONAL HIGHWAY TRAFFIC & SAFETY ADMINISTRATION

TERMINAL LOCATIONS

TIME PERIOD : 1981

NAC ADMIN ID	CITY	LOCATION ST ACEX	CONTACT	AGENCY INF OFF PROG APPL	TERMINAL INF TYPE MODEL SYNC NDV	CIRCUIT INF TYPE SPEED GSA-ID	RESOURCE CNTR HOST	TRAF TYPE
NHTSA NH422	KNSCITY	MO 816926		RG7 ADMIN	AN TM315 ASYN	1 DDD 300 LD 300	MAUTO 1370 GE	INTER INTER
NHTSA NH423	SAN FRAN	CA 415556		RS9 ADMIN	AN TM315 ASYN	1 DDD 300 DDD 300	MAUTO 1370 GE	INTER INTER
NHTSA NH424	WASH	DC 202426	OSE	HDQT ADMIN FMIA	AN H2000 ASYN	1 DDD 1200	MAUTO 1370	INTER
NHTSA NH425	WASH	DC 202426	OSE	HDQT ADMIN FMIA	AN H2000 ASYN	1 DDD 1200	MAUTO 1370	INTER
NHTSA NH426	WASH	DC 202426	OSE	HDQT ADMIN FMIA	AN H1510 ASYN	1 DDD 1200	MAUTO 1370	INTER
NHTSA NH427	WASH	DC 202426	MORAN	HDQT ADMIN OCT	AN H1510 ASYN	1 DDD 1200	CDC	INTER
NHTSA NH428	WASH	DC 202426	PAULSON	HDQT ADMIN MSRV	RJE SYNC	1 LD 4800 DDD 2400 DDD 2400 DDD 2400 DDD 2400	INFOR UCCOMP UNIV APL MAUTO 1370 UMICH 1370	INTER INTER INTER INTER INTER
NHTSA NH429	WASH	DC 202426	PAULSON	HDQT ADMIN MSRV	RJE SYNC	1 LD 4800 DDD 2400 DDD 2400 DDD 2400 DDD 2400	INFOR UCCOMP UNIV APL MAUTO 1370 UMICH 1370	INTER INTER INTER INTER INTER
NHTSA NH439	WASH	DC 202426	PAULSON	HDQ ADMIN MSRV	RJE SYNC	1 LD 4800 DDD 1200 DDD ease undelete any deleted files and wish to	INFOR UCCOMP UNIV MAUTO 1370 UMICH 1370	BATCH BATCH BATCH BATCH
	1200	APL	UNIV	BATCH		DDD 1200 DDD 1200	MAUTO 1370 UMICH 1370	BATCH BATCH
NHTSA NH440	WASH	DC 202426	MILLER	HDQ ADMIN PA	AN H1520 ASYN	1 LD 300	INFOR 1370	INTER
NHTSA NH441	WASH	DC 202426	PAULSON	HDQ ADMIN WP	TP X1740 ASYN	1 DDD 300	BOWNE 1370	INTER
NHTSA NH442	WASH	DC 202426	BELFIORE	HDQ ADMIN TA	AN V203 ASYN	1 CABL 300	TCC AMHHL	INTER

DEPARTMENT OF TRANSPORTATION
NATIONAL HIGHWAY TRAFFIC & SAFETY ADMINISTRATION

TERMINAL LOCATIONS

TIME PERIOD : 1981

NAC ADMIN ID	CITY	LOCATION ST AGENCY	CONTACT	AGENCY INF OFF PROG APPL	TERMINAL INF TYPE MODEL SYNC NDV	CIRCUIT INF TYPE SPEED CSA-ID	RESOURCE CNTR HOST	TRAF TYPE
NHTSA NH441	WASH	DC 202426	FAULSON	HQO ADMN MULTI	PORT C1203 ASYN 2 MISC	300	MISC	INTER
NHTSA NH450	WASH	DC 202426	WEISS	HQOT ADMN RM	AN T4014 ASYN 1 LD	300	INFOR 1370	INTER
NHTSA NH451	WASH	DC 202426	VENTURRI	HQOT SAF STAT	TP AJ630 ASYN 1 LD	300	INFOR	INTER
NHTSA NH452	WASH	DC 202426	VENTURRI	HQOT SAF STAT	TP AJ630 ASYN 1 LD	300	INFOR	INTER
NHTSA NH461	WASH	DC 202426	OGDEN	HQOT SAF INQ DOCKET	TP AJ630 ASYN 1 LD	300	INFOR	INTER
NHTSA NH462	WASH	DC 202426	OGDEN	HQOT SAF INQ DOCKET	AN HZ200 ASYN 1 LD	300	INFOR	INTER
NHTSA NH464	WASH	DC 202426	OGDEN	HQOT SAF INQ DOCKET	AN HZ200 ASYN 1 LD	300	INFOR	INTER
NHTSA NH465	WASH	DC 202426	ROUWELL	HQOT SAF NDR	TP AJ630 ASYN 1 CABL	300	TCC AMDHL	INTER
NHTSA NH466	WASH	DC 202426	KLEIN	HQOT SAF STAT	TP AJ630 ASYN 1 LD	300	NIH	INTER
NHTSA NH468	WASH	DC 202426	KLEIN	HQOT SAF STAT	TP AJ630 ASYN 1 LD	300	NIH	INTER
NHTSA NH467	WASH	DC 202426	KLEIN	HQOT SAF STAT	TP AJ630 ASYN 1 LD	300	NIH	INTER
NHTSA NH469	WASH	DC 202426	KLEIN	HQOT SAF STAT	TP NC260 ASYN 1 LD	300	NIH	INTER
NHTSA NH470	WASH	DC 202426	KLEIN	HQOT SAF STAT	TP 08025 ASYN 1 LD	300	NIH	INTER
NHTSA NH471	WASH	DC 202426	VENTURRI	HQOT SAF STAT	TP TM315 ASYN 1 LD	300	TYMSH	INTER
NHTSA NH472	WASH	DC 202426	VENTURRI	HQOT SAF NPRS	TP TM350 ASYN 1 LD	1200	INFOR	INTER
						LD 1200	TYMSH	INTER
						LD 1200	BOEIN	INTER

DEPARTMENT OF TRANSPORTATION
RESEARCH AND SPECIAL PROJECTS ADMINISTRATION

TERMINAL LOCATIONS

TIME PERIOD : 1981

ADMIN ID	NAC CITY	LOCATION ST AOE	CONTACT	AGENCY INF			TERMINAL INF				CIRCUIT INF			RESOURCE		TRAF TYPE
				OFF	PROG	APPL	TYPE	MODEL	SYN	NDV	TYPE	SPEED	GSA-ID	CNTR	HOST	
RSPA	RS009	WASH	DC 202426 D. JOHNSON	HDQT			TP	AJ560	ASYN	1	LPP	1200	7558940	TSC	DEC10	INTER
RSPA	RS001	WASH	DC 202426 D. JOHNSON	HDQT			AN	B107	ASYN	1	LPP	1200	7558940	TSC	DEC10	INTER
RSPA	RS002	WASH	DC 202426 D. JOHNSON	HDQT			AN	B150	ASYN	1	LPP	1200	7558940	TSC	DEC10	INTER
RSPA	RS003	WASH	DC 202426 D. JOHNSON	HDQT			AN	B150	ASYN	1	LPP	1200	7558940	TSC	DEC10	INTER
RSPA	RS010	WASH	DC 202426 D. JOHNSON	HDQT			TP	CT107	ASYN	1	LPP	1200	7558940	TSC	DEC10	INTER
RSPA	RS011	WASH	DC 202426 D. JOHNSON	HDQT			TP	X1640	ASYN	1	LPP	1200	7558940	TSC	DEC10	INTER
RSPA	RS019	WASH	DC 202426 D. JOHNSON	HDQT			PORT	EXPT	ASYN	1	LPP	300	7558940	TSC	DEC10	INTER
RSPA	RS020	WASH	DC 202426 D. JOHNSON	HDQT			PORT	EXPT	ASYN	1	LPP	300	7558940	TSC	DEC10	INTER
RSPA	RS014	WASH	DC 202426 D. JOHNSON	HDQT			PORT	DEC11	ASYN	1	LPP	300	7558940	TSC	DEC10	INTER
RSPA	RS013	WASH	DC 202426 D. JOHNSON	HDQT			PORT	LA36	ASYN	1	LPP	300	7558940	TSC	DEC10	INTER
RSPA	RS021	WASH	DC 202426 D. JOHNSON	HDQT			PORT	LA36	ASYN	1	LPP	300	7558940	TSC	DEC10	INTER
RSPA	RS027	WASH	DC 202426 D. JOHNSON	HDQT			PORT	LA36	ASYN	1	LPP	300	7558940	TSC	DEC10	INTER
RSPA	RS004	WASH	DC 202426 D. JOHNSON	HDQT			AN	T4014	ASYN	1	LPP	1200	7558940	TSC	DEC10	INTER
RSPA	RS008	WASH	DC 202426 D. JOHNSON	HDQT			TP	T4631	ASYN	1	LPP	1200	7558940	TSC	DEC10	INTER
RSPA	RS017	WASH	DC 202426 D. JOHNSON	HDQT			PORT	T107A	ASYN	1	LPP	300	7558940	TSC	DEC10	INTER
RSPA	RS023	WASH	DC 202426 D. JOHNSON	HDQT			PORT	T1735	ASYN	1	LPP	300	7558940	TSC	DEC10	INTER
RSPA	RS025	WASH	DC 202426 D. JOHNSON	HDQT			PORT	T1735	ASYN	1	LPP	300	7558940	TSC	DEC10	INTER
RSPA	RS024	WASH	DC 202426 D. JOHNSON	HDQT			PORT	T1735	ASYN	1	LPP	300	7558940	TSC	DEC10	INTER
RSPA	RS012	WASH	DC 202426 D. JOHNSON	HDQT			PORT	T1745	ASYN	1	LPP	300	7558940	TSC	DEC10	INTER
RSPA	RS028	WASH	DC 202426 D. JOHNSON	HDQT			PORT	T1745	ASYN	1	LPP	300	7558940	TSC	DEC10	INTER

DEPARTMENT OF TRANSPORTATION
RESEARCH AND SPECIAL PROJECTS ADMINISTRATION

TERMINAL LOCATIONS

TIME PERIOD : 1981

ADMIN ID	CITY	LOCATION ST ACES	CONTACT	AGENCY INF OFF PROG APPL	TERMINAL INF TYPE MODEL SYNC NDV	CIRCUIT INF TYPE SPEED GSA-ID	RESOURCE CNTR HOST	TRAF TYPE
RSPA	RS015	WASH	DC 202426 D. JOHNSON	HDQT	PORT T1745 ASYN 1 LPP	300 7558940	TSC DEC10	INTER
RSPA	RS016	WASH	DC 202426 D. JOHNSON	HDQT	PORT T1745 ASYN 1 LPP	300 7558940	TSC DEC10	INTER
RSPA	RS021	WASH	DC 202426 D. JOHNSON	HDQT	PORT T1745 ASYN 1 LPP	300 7558940	TSC DEC10	INTER
RSPA	RS022	WASH	DC 202426 D. JOHNSON	HDQT	PORT T1745 ASYN 1 LPP	300 7558940	TSC DEC10	INTER
RSPA	RS017	WASH	DC 202426 D. JOHNSON	HDQT	PORT T1745 ASYN 1 LPP	300 7558940	TSC DEC10	INTER
RSPA	RS018	WASH	DC 202426 D. JOHNSON	HDQT	AN V201 ASYN 1 LPP	1200 7558940	TSC DEC10	INTER
RSPA	RS019	WASH	DC 202426 D. JOHNSON	HDQT	AN V201 ASYN 1 LPP	1200 7558940	TSC DEC10	INTER
RSPA	RS001	WASH	DC 202426 D. JOHNSON	HDQT	AN VT120 ASYN 1 LPP	1200 7558940	TSC DEC10	INTER
RSPA	RS023	WASH	DC 202426 D. JOHNSON	HDQT	WP X850 ASYN 1 FTS	75	BOWNE DEC10	BATCH
RSPA	RS020	WASH	DC 202426 D. JOHNSON	HDQT	WP X850 ASYN 1 FTS	75	BOWNE DEC10	BATCH
RSPA	RS011	WASH	DC 202426 D. JOHNSON	HDQT	WP X850 ASYN 1 FTS	75	BOWNE DEC10	BATCH
RSPA	RS012	WASH	DC 202426 D. JOHNSON	HDQT	WP X850 ASYN 1 FTS	75	BOWNE DEC10	BATCH
RSPA	RS013	WASH	DC 202426 D. JOHNSON	HDQT	WP X850 ASYN 1 FTS	75	BOWNE DEC10	BATCH
RSPA	RS014	WASH	DC 202426 D. JOHNSON	HDQT	WP X850 ASYN 1 FTS	75	BOWNE DEC10	BATCH
RSPA	RS015	WASH	DC 202426 D. JOHNSON	HDQT	WP X850 ASYN 1 FTS	75	BOWNE DEC10	BATCH
RSPA	RS016	WASH	DC 202426 D. JOHNSON	HDQT	WP X850 ASYN 1 FTS	75	BOWNE DEC10	BATCH
RSPA	RS017	WASH	DC 202426 D. JOHNSON	HDQT	WP X860 ASYN 1 DDD	300	TSC DEC10	INTER

DEPARTMENT OF TRANSPORTATION
URBAN MASS TRANSIT ADMINISTRATION

TERMINAL LOCATIONS

TIME PERIOD : 1981

NAC ADMIN ID	CITY	LOCATION ST ACES	CONTACT	AGENCY INF			TERMINAL INF				CIRCUIT INF			RESOURCE		EAT TIME
				OFF	PROG	APPL	TYPE	MODEL	SYNC	NDV	TYPE	SPEED	USA-ID	INTR	HOST	
UMTA	UM001	WASH	DC 202426 MITCHELL	HDOT	G&L		AN	RM40+	ASYN	7	CABL	1200		TCC	A470	BATCH
UMTA	UM002	CAMBRIDGE MA	617494 MITCHELL	RG1	G&L		AN	RM40+	ASYN	1	FTS	1200		TCC	A470	BATCH
UMTA	UM003	NYC	NY 212264 MITCHELL	RG2	G&L		AN	RM40+	ASYN	1	FTS	1200		TCC	A470	BATCH
UMTA	UM004	PHILA	PA 215597 MITCHELL	RG3	G&L		AN	RM40+	ASYN	1	FTS	1200		TCC	A470	BATCH
UMTA	UM005	ATLANTA	GA 404881 MITCHELL	RG4	G&L		AN	RM40+	ASYN	1	FTS	1200		TCC	A470	BATCH
UMTA	UM006	CHICAGO	IL 312353 MITCHELL	RG5	G&L		AN	RM40+	ASYN	1	FTS	1200		TCC	A470	BATCH
UMTA	UM007	FT WORTH	TX 817334 MITCHELL	RG6	G&L		AN	RM40+	ASYN	1	FTS	1200		TCC	A470	BATCH
UMTA	UM008	KANSASCTY MO	816926 MITCHELL	RG7	G&L		AN	RM40+	ASYN	1	FTS	1200		TCC	A470	BATCH
UMTA	UM009	DENVER	CO 303837 MITCHELL	RG8	G&L		AN	RM40+	ASYN	1	FTS	1200		TCC	A470	BATCH
UMTA	UM010	SAN FRAN	CA 415556 MITCHELL	RG9	G&L		AN	RM40+	ASYN	1	FTS	1200		TCC	A470	BATCH
UMTA	UM011	SEATTLE	WA 206442 MITCHELL	RG10	G&L		AN	RM40+	ASYN	1	FTS	1200		TCC	A470	BATCH
UMTA	UM012	WASH	DC 202426 MITCHELL	HDOT	G&L		AN	12260	ASYN	5	CABL	1200		TCC	A470	INTER
UMTA	UM013	WASH	DC 202426 MITCHELL	HDOT	RD		PORT	T1745	ASYN	7	DDD	300				INTER

END

DATE
FILMED

11-81

DTIC