

## Table of Contents

Click on Blue Text to view individual Chapters

Section	Page
<b>Executive Summary</b>	
ES.1 - Purpose and Need .....	ES-1
ES.2 - System Planning.....	ES-2
ES.3 - Overview.....	ES-2
ES.4 - Runway Safety Area (RSA).....	ES-6
ES.5 - Security .....	ES-7
ES.6 - Forecasting.....	ES-7
ES.7 - Annual Enplanements .....	ES-8
ES.8 - Based Aircraft .....	ES-9
ES.9 - Aircraft Operations .....	ES-10
ES.10 - Status of Connecticut's Airport System .....	ES-11
ES.11 - Funding .....	ES-13
ES.12 - Recommendations.....	ES-14
ES.14 - In Closing.....	ES-14
<b>Chapter 1 - Study Design and Objective</b>	
1.1 - Introduction .....	1-1
1.2 - Purpose and Need.....	1-1
1.3 - Summary of Changes Since Last Plan.....	1-1
1.4 - Goals of this CSASP.....	1-2
1.5 - Airport System Planning .....	1-2
1.6 - The Connecticut System.....	1-3
1.6.1 - Historical Overview.....	1-3
1.6.2 - Overview of this Connecticut Statewide Airport System Plan.....	1-6
1.6.3 - Economic and Security Issues .....	1-8
<b>Chapter 2 - Inventory of System Airports</b>	
2.1 - Introduction .....	2-1
2.1.1 - Airport Reference Code.....	2-1
2.1.2 - Runway Safety Areas .....	2-3
2.1.3 - Airspace.....	2-4
2.1.4 - Service Area .....	2-6
2.1.5 - Airport Role.....	2-7
2.1.6 - Zoning / Land Use .....	2-9
2.2 - State Owned Airport Facilities .....	2-10
2.2.1 - Bradley International Airport (BDL).....	2-10
2.2.2 - Hartford-Brainard Airport (HFD).....	2-13
2.2.3 - Groton-New London Airport (GON) .....	2-15
2.2.4 - Waterbury-Oxford Airport (OXC) .....	2-17

Section	Page
2.2.5 - Windham Airport (IJD) .....	2-18
2.2.6 - Danielson Airport (5B3).....	2-20
2.3 - Municipally-Owned Airport Facilities .....	2-21
2.3.1 - Tweed-New Haven Regional Airport (HVN) .....	2-21
2.3.2 - Igor I. Sikorsky Memorial Airport (BDR).....	2-23
2.3.3 - Danbury Municipal Airport (DXR).....	2-25
2.3.4 - Meriden-Markham Municipal Airport (MMK).....	2-26
2.4 - Privately Owned Facilities Open to the Public.....	2-28
2.4.1 - Chester Airport (3B9).....	2-28
2.4.2 - Goodspeed Airport and Seaplane Base (42B) .....	2-29
2.4.3 - Ellington Airport (7B9) .....	2-29
2.4.4 - Skylark Airpark (7B6).....	2-30
2.4.5 - Robertson Airport (4B8).....	2-30
2.4.6 - Simsbury Tri-Town Airport (4B9) .....	2-31
2.4.7 - Mountain Meadow Airport (22B).....	2-31
2.4.8 - Woodstock Airport (64CT) .....	2-32
2.4.9 - Waterbury-Plymouth Airport (N41).....	2-32
2.4.10 - Griswold Airport (N04).....	2-33
2.4.11 - Toutant Airport (C44).....	2-33
2.4.12 - Candlelight Farms Airport (11N) .....	2-33
2.4.13 - Salmon River Airfield (9B8) .....	2-34
2.4.14 - Stonington Airpark (CT80) .....	2-34
2.5 - Closed Airports.....	2-34
2.6 - Restricted Landing Area Airports (RLA's).....	2-36
2.7 - Influential Airports Located in Surrounding States.....	2-38
2.7.1 - New York Airports .....	2-38
2.7.1.1 - Dutchess County Airport (POU) .....	2-38
2.7.1.2 - Westchester County Airport (HPN).....	2-39
2.7.1.3 - Stewart International Airport (SWF).....	2-40
2.7.1.4 - Sky Acres (44N) .....	2-41
2.7.2 - Massachusetts Airports.....	2-41
2.7.2.1 - Barnes Municipal Airport (BAF) .....	2-41
2.7.2.2 - Northampton Airport (7B2).....	2-42
2.7.2.3 - Worcester Regional Airport.....	2-43
2.7.2.4 - Great Barrington Airport (GBR) .....	2-43
2.7.3 - Rhode Island Airports.....	2-44
2.7.3.1 - Theodore Francis (T.F.) Green Airport (PVD).....	2-44
2.7.3.2 - Westerly State Airport (WST).....	2-45

**Chapter 3 - Statewide Forecasts**

3.1 - Introduction .....	3-1
3.2 - Economic Growth and Population.....	3-1
3.2.1 - Statewide Population and Housing Projections.....	3-1
3.2.2 - Economic Status of Connecticut.....	3-2

Section	Page
3.3 - Overview of the Aviation Industry .....	3-2
3.4 - Forecasting Methods .....	3-4
3.5 - Forecasts for State Owned Airports.....	3-6
3.5.1 - Bradley International Airport .....	3-6
3.5.2 - Groton-New London Airport.....	3-9
3.5.3 - Hartford-Brainard Airport .....	3-11
3.5.4 - Waterbury-Oxford Airport .....	3-12
3.5.5 - Windham Airport.....	3-13
3.5.6 - Danielson Airport .....	3-14
3.6 - Municipally Owned Airports.....	3-16
3.6.1 - Tweed-New Haven Regional Airport.....	3-16
3.6.2 - Igor I. Sikorsky Memorial Airport .....	3-19
3.6.3 - Danbury Municipal Airport.....	3-21
3.6.4 - Meriden-Markham Municipal Airport.....	3-23
3.7 - Privately Owned Airports Open for Public Use .....	3-24
3.8 - Summary of Forecasts .....	3-25
3.8.1 - Commercial Service .....	3-25
3.8.2 - Based Aircraft.....	3-25
3.8.3 - Total Annual Aircraft Operations.....	3-26

**Chapter 4 - Capacity / Demand Analysis**

4.1 - Calculating Airside Operational Capacity .....	4-1
4.1.1 - Airfield Layout and Configuration .....	4-2
4.1.2 - Weather.....	4-3
4.1.3 - Aircraft Fleet Mix.....	4-4
4.1.4 - Touch and Go Operations.....	4-4
4.2 - Capacity for Based Aircraft.....	4-4
4.3 - Airfield Capacity Adequacy Analysis .....	4-5
4.3.1 - Operational Capacity .....	4-5
4.3.2 - Based Aircraft Adequacy.....	4-9
4.4 - Operational Capacity Enhancement Strategies.....	4-10
4.4.1 - Airside Facilities.....	4-10
4.4.2 - Demand Management.....	4-10
4.5 - Summary.....	4-11

**Chapter 5 - Funding**

5.1 - Overview of FAA Funding.....	5-1
5.2 - Reauthorization of FAA Funding.....	5-4
5.3 - Funding for Connecticut Airports .....	5-4
5.4 - Other States .....	5-5

Section .....Page

**Chapter 6 - The State of the Airport System in Connecticut**

6.1 - Status of Connecticut's Airport System ..... 6-1  
6.1.1 - Air Carrier Status ..... 6-1  
6.1.2 - Operational Status ..... 6-2  
6.1.3 - Based Aircraft Status ..... 6-2  
6.1.4 - Location and Coverage of Airports in the System ..... 6-3  
6.2 - Scenarios That May Impact the System ..... 6-3  
6.2.1 - Airport Closures ..... 6-4  
6.2.2 - Modification of Operations at an Airport ..... 6-4  
6.2.3 - Major Change in Scheduled Commercial Service ..... 6-6  
6.2.4 - Changes in Policy ..... 6-7

**Chapter 7 - Recommendations**

7.1 - Introduction ..... 7-1  
7.2 - Recommendations for the National Plan of Integrated Airport  
Systems (NPIAS) ..... 7-1  
7.1.2 - Capacity ..... 7-2  
7.1.3 - Scheduled Commercial Service Change ..... 7-3  
7.1.4 - Changes in Policy ..... 7-4  
7.1.5 - Specific Examples of Problems ..... 7-4  
7.1.6 - Safety ..... 7-7  
7.1.7 - Land Use / Zoning ..... 7-7  
7.1.8 - Funding ..... 7-8  
7.1.9 - Public Awareness ..... 7-9

**Appendix A - Airport Photos** ..... A-1

**Appendix B - Public Comments** ..... B-1

**Appendix C - Responses to Comments** ..... C-1

**List of Tables**

Table	Page
Table ES.1 - Public Use Airports in Connecticut .....	ES-4
Table ES.2 - Private use Airports in Connecticut .....	ES-5
Table ES.3 - Economic Impact of State and Municipal Airports .....	ES-5
Table ES.4 - Influential Airports Located in Surrounding States .....	ES-6
Table ES.5 - Non-Conforming Runway Safety Area Dimensions .....	ES-7
Table ES.6 - Enplanements .....	ES-8
Table ES.7 - Projected Increase in Annual Operations and Based Aircraft .....	ES-9
Table ES.8 - Airports Approaching or Exceeding 50 Percent Capacity in 2025...ES-10	ES-10
Table ES.9 - Commercial Service Airports - Entitlement Monies (FY 2005).....ES-13	ES-13
Table 2.1 - Public Use Airports in Connecticut.....	2-2
Table 2.2 - Airport Reference Codes .....	2-3
Table 2.3 - Runway Safety Area Dimensions.....	2-4
Table 2.4 - Airspace Class .....	2-6
Table 2.5 - Restricted Landing Area Airports in Connecticut .....	2-37
Table 2.6 - Influential Airports Located in Surrounding States.....	2-46
Table 3.1 - Annual Aircraft Operations at Bradley International Airport .....	3-6
Table 3.2 - Based Aircraft at Bradley International Airport.....	3-9
Table 3.3 - Based Aircraft at Groton-New London Airport .....	3-10
Table 3.4 - Annual Aircraft Operations at Groton-New London Airport.....	3-10
Table 3.5 - Based Aircraft at Hartford-Brainard Airport.....	3-11
Table 3.6 - Annual Aircraft Operations at Hartford-Brainard Airport .....	3-12
Table 3.7 - Based Aircraft at Waterbury-Oxford Airport .....	3-12
Table 3.8 - Annual Aircraft Operations at Waterbury-Oxford Airport .....	3-13
Table 3.9 - Based Aircraft at Windham Airport .....	3-14
Table 3.10 - Annual Aircraft Operations at Windham Airport.....	3-14
Table 3.11 - Based Aircraft at Danielson Airport.....	3-15
Table 3.12 - Annual Aircraft Operations at Danielson Airport .....	3-15
Table 3.13 - Annual Aircraft Operations at Tweed-New Haven Regional Airport. 3-16	3-16
Table 3.14 - Based Aircraft at Tweed-New Haven Regional Airport .....	3-19
Table 3.15 - Based Aircraft at Sikorsky Memorial Airport.....	3-20
Table 3.16 - Annual Aircraft Operations at Sikorsky Memorial Airport .....	3-21
Table 3.17 - Based Aircraft at Danbury Municipal Airport.....	3-22
Table 3.18 - Annual Aircraft Operations at Danbury Municipal Airport.....	3-22
Table 3.19 - Based Aircraft at Meriden Municipal Airport.....	3-23
Table 3.20 - Annual Aircraft Operations at Meriden Municipal Airport .....	3-24
Table 3.21 - Summary of Annual Enplanements.....	3-25
Table 3.22 - Based Aircraft Forecasts.....	3-27
Table 3.23 - Annual Operations Forecasts.....	3-28
Table 4.1 - Projected Increase in Based Aircraft .....	4-5
Table 4.2 - Airport Capacity - 2004.....	4-6
Table 4.3 - Airport Capacity - 2025.....	4-7

<u>Table</u>	<u>Page</u>
Table 4.4 - Airport Exceeding 50 Percent Capacity .....	4-8
Table 4.5 - Average Aircraft Delay .....	4-9

**List of Figures**

Figure	Page
Figure ES.1 .....	ES-3
Figure ES.2 .....	ES-12
Figure 2.1 - Airport Location Map .....	2-47
Figure 2.2 - Typical Airspace Diagram .....	2-48
Figure 2.3 - BDL Cargo Service Area .....	2-11
Figure 2.4 - Bradley International Airport Commercial Service Area .....	2-49
Figure 2.5 - Bradley International Airport General Aviation Service Area .....	2-50
Figure 2.6 - Hartford-Brainard Airport General Aviation Service Area .....	2-51
Figure 2.7 - Groton-New London Airport General Aviation Service Area.....	2-52
Figure 2.8 - Waterbury-Oxford Airport General Aviation Service Area.....	2-53
Figure 2.9 - Windham Airport General Aviation Service Area.....	2-54
Figure 2.10 - Danielson Airport General Aviation Service Area .....	2-55
Figure 2.11 - Tweed-New Haven Airport Commercial Service Area .....	2-56
Figure 2.12 - Tweed-New Haven Airport General Aviation Service Area .....	2-57
Figure 2.13 - Igor I. Sikorsky Memorial General Aviation Service Area .....	2-58
Figure 2.14 - Danbury Airport General Aviation Service Area.....	2-59
Figure 2.15- Meriden-Markham Airport General Aviation Service Area .....	2-60
Figure 3.1 - Revenue Passenger Miles.....	3-3
Figure 3.2 - Enplanement Market Share Analysis for Bradley International Airport.....	3-7
Figure 3.3 - Cargo Forecasts Bradley International Airport.....	3-8
Figure 3.5 - Enplanement Market Share Analysis for Tweed-New Haven Regional Airport .....	3-17
Figure 6.1 - General Aviation Coverage.....	6-9
Figure 6.2 - Commercial Service Coverage.....	6-10