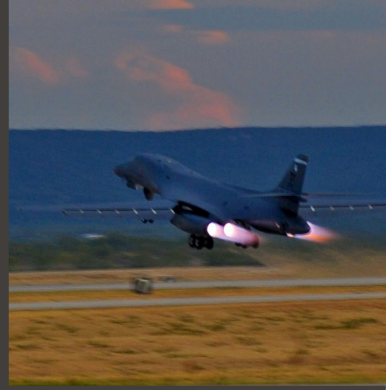
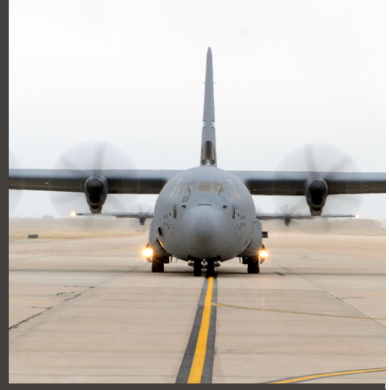


Dyess Air Force Base

# Air Installation Compatible Use Zone Study



January 2015





DEPARTMENT OF THE AIR FORCE  
HEADQUARTERS 7TH BOMB WING  
DYESS AIR FORCE BASE, TEXAS

7 January 2015

MEMORANDUM FOR AREA GOVERNMENTS

FROM: 7 BW/CC

7 Lancer Loop, Suite 107  
Dyess AFB TX 79607

SUBJECT: Air Installation Compatible Use Zone (AICUZ) Study

1. This AICUZ Study for Dyess Air Force Base (AFB) is an update of the AICUZ Study from 2008. The update was initiated because of changes in aircraft operations since the last AICUZ Study was released. The update provides a reevaluation of aircraft noise and accident potential related to U.S. Air Force (USAF) flying operations. This report is designed to aid in the development of local planning mechanisms that will protect public safety and health, as well as preserve the operational capabilities of Dyess AFB.
2. The report contains a summary description of the affected areas around the base. The report outlines the locations of runway Clear Zones (CZ), aircraft Accident Potential Zones (APZ), and noise zones, and identifies compatible land use for areas in the vicinity of the base. It is our hope that this information will be incorporated into community plans, zoning ordinances, subdivision regulations, building codes, and other related documents.
3. The basic objective of the AICUZ Program is to achieve compatible uses of public and private lands in the vicinity of military airfields by controlling incompatible development through local actions. This report provides the information necessary to maximize beneficial use of the land surrounding Dyess AFB while minimizing the potential for any reduction in the health and safety of the affected public.
4. We greatly value the positive relationship Dyess AFB has experienced with its neighbors over the years. As a partner in the process, we have attempted to minimize noise disturbances through such actions as minimizing late night flying and avoiding flights over heavily populated areas. We solicit your cooperation in implementing the recommendations and guidelines presented in this AICUZ Study.

1/7/2015

X 

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MICHAEL BOB STARR, Colonel, USAF  
Commander

Signed by: STARR.MICHAEL.B B.1123000885

Attachment:  
Air Installation Compatible Use Zone (AICUZ) Study

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# TABLE OF CONTENTS

List of Figures.....	iv
List of Tables.....	v
Acronyms and Abbreviations .....	vii

## **SECTION 1. PURPOSE AND NEED ..... 1-1**

1.1 Introduction.....	1-1
1.2 Purpose and Need .....	1-1
1.3 Process and Procedure.....	1-1

## **SECTION 2. INSTALLATION DESCRIPTION ..... 2-1**

2.1 Mission .....	2-1
2.1.1 7th Bomb Wing .....	2-1
2.1.2 317th Airlift Group.....	2-1
2.1.3 Supported Organizations.....	2-1
2.2 Economic Impact.....	2-4
2.2.1 Local Economic Characteristics .....	2-4
2.2.2 Base Impact.....	2-4
2.3 Flying Activity .....	2-5
2.3.1 Flight Operations by Aircraft Type .....	2-5
2.3.1.1 Based B-1 Aircraft Operations .....	2-5
2.3.1.2 Based C-130J Aircraft Operations .....	2-7
2.3.2 Transient Aircraft Operations.....	2-7
2.3.3 Flight Patterns.....	2-7
2.3.4 Pre-Flight and Maintenance Run-Up Operations .....	2-11

## **SECTION 3. LAND USE COMPATIBILITY GUIDELINES..... 3-1**

3.1 Introduction.....	3-1
3.1.1 2013 Noise Zones.....	3-1
3.1.2 Understanding the Historical Noise Environment.....	3-1
3.1.3 Clear Zones and Accident Potential Zones at Dyess AFB.....	3-4
3.1.4 Height Obstructions .....	3-4
3.1.5 Runway Airspace Imaginary Surfaces .....	3-7
3.1.5.1 Drop Zone and Landing Zone Operations .....	3-7
3.1.6 Hypothetical Noise Zones.....	3-7
3.2 The Land Use Compatibility Guidelines.....	3-9
3.3 Participation in the Planning Process.....	3-9

## **SECTION 4. LAND USE ANALYSIS ..... 4-1**

4.1 Introduction.....	4-1
4.2 Existing Land Use .....	4-1

4.2.1	Taylor County Land Use .....	4-2
4.2.2	City of Abilene Land Use .....	4-2
4.2.3	City of Tye Land Use .....	4-4
4.3	Current Zoning .....	4-4
4.3.1	Taylor County Zoning .....	4-6
4.3.2	City of Abilene Zoning .....	4-6
4.3.3	City of Tye Zoning .....	4-8
4.4	Future Land Use and Future Development.....	4-8
4.4.1	City of Abilene.....	4-8
4.4.2	City of Tye.....	4-8
4.5	Compatibility Analysis .....	4-12
4.5.1	Noise Zones.....	4-16
4.5.2	Clear Zones and Accident Potential Zones .....	4-16
4.5.2.1	North Clear Zone and Accident Potential Zones I and II .....	4-16
4.5.2.2	South Clear Zone and Accident Potential Zones I and II.....	4-16
4.5.2.3	Runway 162/342 and Runway 163/343 Clear Zones and Accident Potential Zones .....	4-17
4.6	Planning Considerations .....	4-17
4.7	Dyess AFB Obstructions to Navigable Airspace.....	4-17
<b>SECTION 5. IMPLEMENTATION .....</b>		<b>5-1</b>
5.1	Air Force Responsibilities.....	5-1
5.2	Local Community Responsibilities .....	5-1
<b>SECTION 6. REFERENCES .....</b>		<b>6-1</b>
<b>APPENDIX A. THE AICUZ CONCEPT, PROGRAM, METHODOLOGIES, AND POLICIES .....</b>		<b>A-1</b>
A.1	Concept.....	A-1
A.2	Program.....	A-1
A.3	Method .....	A-1
A.4	AICUZ Land Use Development Policies .....	A-2
A.4.1	Policy 1 .....	A-2
A.4.2	Policy 2 .....	A-2
A.4.3	Policy 3 .....	A-2
A.4.4	Policy 4 .....	A-3
A.4.5	Policy 5 .....	A-3
A.4.6	Policy 6 .....	A-3
A.4.7	Policy 7 .....	A-3
A.5	Basic Land Use Compatibility .....	A-3
A.6	Accident Potential.....	A-4
A.7	Noise .....	A-4

<b>APPENDIX B. NOISE .....</b>	<b>B-1</b>
B.1 Noise Metrics.....	B-1
B.2 Day–Night Average Sound Level (DNL) Time-Averaged Noise Environment Descriptor .....	B-1
B.3 Sound Exposure Level (SEL) Noise Event Descriptor.....	B-2
B.4 Maximum Noise Level ( $L_{max}$ ) Noise Event Descriptor .....	B-2
B.5 Computer Noise Models.....	B-3
B.6 Technical Information.....	B-3
B.7 Climatological Data .....	B-3
 <b>APPENDIX C. ACCIDENT POTENTIAL ZONES.....</b>	 <b>C-1</b>
C.1 Guidelines for Accident Potential .....	C-1
C.2 Accident Potential Analysis .....	C-1
C.3 Definable Debris Impact Areas .....	C-4
C.4 Findings.....	C-4
 <b>APPENDIX D. HEIGHT AND OBSTRUCTION CRITERIA .....</b>	 <b>D-1</b>
D.1 General.....	D-1
D.2 Explanation of Terms .....	D-1
D.3 Planes and Surfaces .....	D-1
D.3.1 Landing Zone Planes and Surfaces .....	D-4
D.4 Height Restrictions .....	D-4
D.5 Topography Surrounding Dyess AFB .....	D-4
D.6 Drop Zone Criteria.....	D-5
 <b>APPENDIX E. NOISE-LEVEL REDUCTION GUIDELINES.....</b>	 <b>E-1</b>
E.1 Building Code Modifications.....	E-1

## LIST OF FIGURES

Figure 2–1	Regional Map .....	2-2
Figure 2–2	Dyess AFB Installation Map .....	2-3
Figure 2–3	Dyess AFB Arrival Flight Patterns .....	2-8
Figure 2–4	Dyess AFB Departure Flight Patterns .....	2-9
Figure 2–5	Dyess AFB Closed Pattern Flight Patterns .....	2-10
Figure 3–1	2013 DNL Noise Zones at Dyess AFB.....	3-2
Figure 3–2	Historical DNL Noise Zones at Dyess AFB .....	3-3
Figure 3–3	Dyess AFB Clear Zones and Accident Potential Zones.....	3-5
Figure 3–4	Local Airspace, Drop Zones, and Approach Corridors for Dyess AFB .....	3-6
Figure 3–5	Dyess AFB Class B Air Force Runway Airspace Imaginary Surfaces.....	3-8
Figure 3–6	Hypothetical DNL Noise Zones for Dyess AFB.....	3-10
Figure 4–1	Dyess AFB Generalized Existing Off-Base Land Use .....	4-3
Figure 4–2	Dyess AFB Generalized Existing Off-Base Land Use for the City of Tye.....	4-5
Figure 4–3	Dyess AFB Generalized Off-Base Zoning.....	4-7
Figure 4–4	Dyess AFB Generalized Off-Base Zoning for City of Tye .....	4-9
Figure 4–5	Planned Future Land Use and Development for the City of Abilene .....	4-10
Figure 4–6	Planned Future Land Use for the City of Tye.....	4-11
Figure 4–7	Land Use Compatibility in Relation to 2013 DNL Noise Zones, Including Clear Zones and Accident Potential Zones .....	4-13
Figure 4–8	Land Use Compatibility in Relation to 2013 DNL Noise Zones, Including Clear Zones and Accident Potential Zones for Northern CZ and APZs .....	4-14
Figure 4–9	Land Use Compatibility in Relation to 2013 DNL Noise Zones, Including Clear Zones and Accident Potential Zones for Southern CZ and APZs.....	4-15
Figure 4–10	FAA Imaginary Surfaces .....	4-18
Figure B–1	Day–Night Average A-Weighted Sound Level .....	B-2
Figure B–2	Sound Exposure Level .....	B-2
Figure C–1	Distribution of U.S. Air Force Aircraft Accidents (369 Accidents, 1968–1972) .....	C-2
Figure C–2	U.S. Air Force Aircraft Accident Data (369 Accidents, 1968–1972) .....	C-3
Figure C–3	U.S. Air Force Aircraft Accident Data (838 Accidents, 1968–1995) .....	C-3
Figure D–1	Airspace Control Surface Plan .....	D-2
Figure D–2	Three-Dimensional View of 14 CFR 77 Imaginary Surfaces .....	D-3
Figure D–3	Cross-Section View of 14 CFR 77 Imaginary Surfaces .....	D-4
Figure D–4	FAA Imaginary Surfaces (Including Spot Elevations) .....	D-6
Figure D–5	Marrion and Tennyson Drop Zones at Dyess AFB .....	D-7



## LIST OF TABLES

Table 2–1	Primary Aircraft Assigned to or Consistently Operating at Dyess AFB.....	2-4
Table 2–2	Historic and 2010 Population Estimates .....	2-4
Table 2–3	Personnel by Classification .....	2-5
Table 2–4	Annual Economic Impact.....	2-5
Table 2–5	Frequency of Aircraft Operations for Dyess AFB.....	2-6
Table 3–1	Land Use Compatibility Guidelines .....	3-11
Table 4–1	Generalized Existing Land Use Within $\geq 65$ dB-DNL Noise Exposure Area for Dyess AFB (off-base outside CZs and APZs).....	4-1
Table 4–2	Generalized Existing Land Use Within the Dyess AFB Clear Zones and Accident Potential Zones (off-base).....	4-2
Table 4–3	Generalized Zoning Within $\geq 65$ dB-DNL Noise Exposure Area for Dyess AFB (off-base outside CZs and APZs).....	4-6
Table 4–4	Generalized Zoning Within the Dyess AFB Clear Zones and Accident Potential Zones (off-base).....	4-6
Table 4–5	Generalized Land Use Compatibility.....	4-12
Table 4–6	Incompatible Acreage by Land Use .....	4-12
Table C–1	Accident Location Analysis (1968–1972).....	C-2
Table C–2	Ratio of Percentage of Accidents to Percentage of Area (U.S. Air Force Accident Data, 1968–1995).....	C-4



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## ACRONYMS AND ABBREVIATIONS

AAD	average annual day
ACC	Air Combat Command
ADNL	A-weighted day–night average sound level
AF	Air Force
AFB	Air Force Base
AFH	Air Force Handbook
AFI	Air Force Instruction
AG	Airlift Group
AGL	above ground level
AICUZ	Air Installation Compatible Use Zone
AIZ	Airport Influence Zone
AL	Armstrong Laboratory
AMC	Air Mobility Command
APZ	Accident Potential Zone
AS	Airlift Squadron
BS	Bomb Squadron
BW	Bomb Wing
CDNL	C-weighted day–night average sound level
CFR	<i>Code of Federal Regulations</i>
CZ	Clear Zone
dB	decibel
DNL	day–night average A-weighted sound level
DoD	U.S. Department of Defense
FAA	Federal Aviation Administration
FAR	Federal Aviation Regulation
FICUN	Federal Interagency Committee on Urban Noise
FM	Farm to Market
HUD	U.S. Department of Housing and Urban Development
IFR	Instrument Flight Rules
$L_{max}$	maximum noise level
LZ	Landing Zone
MSL	mean sea level
NLCD	National Land Use Cover Dataset
NLR	noise-level reduction
OSS	Operations Support Squadron
PAA	primary aircraft authorization
SEL	sound exposure level
SLUCM	Standard Land Use Coding Manual
TES	Test and Evaluation Squadron
TS	Training Squadron
UFC	Unified Facilities Criteria
USAF	U.S. Air Force
VFR	Visual Flight Rule
WPS	Weapons Squadron



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