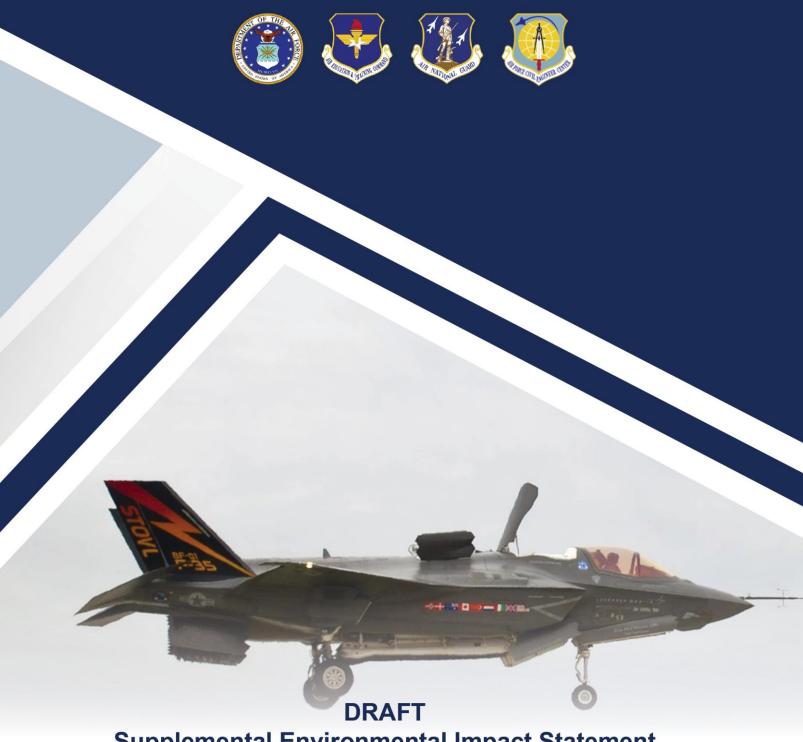
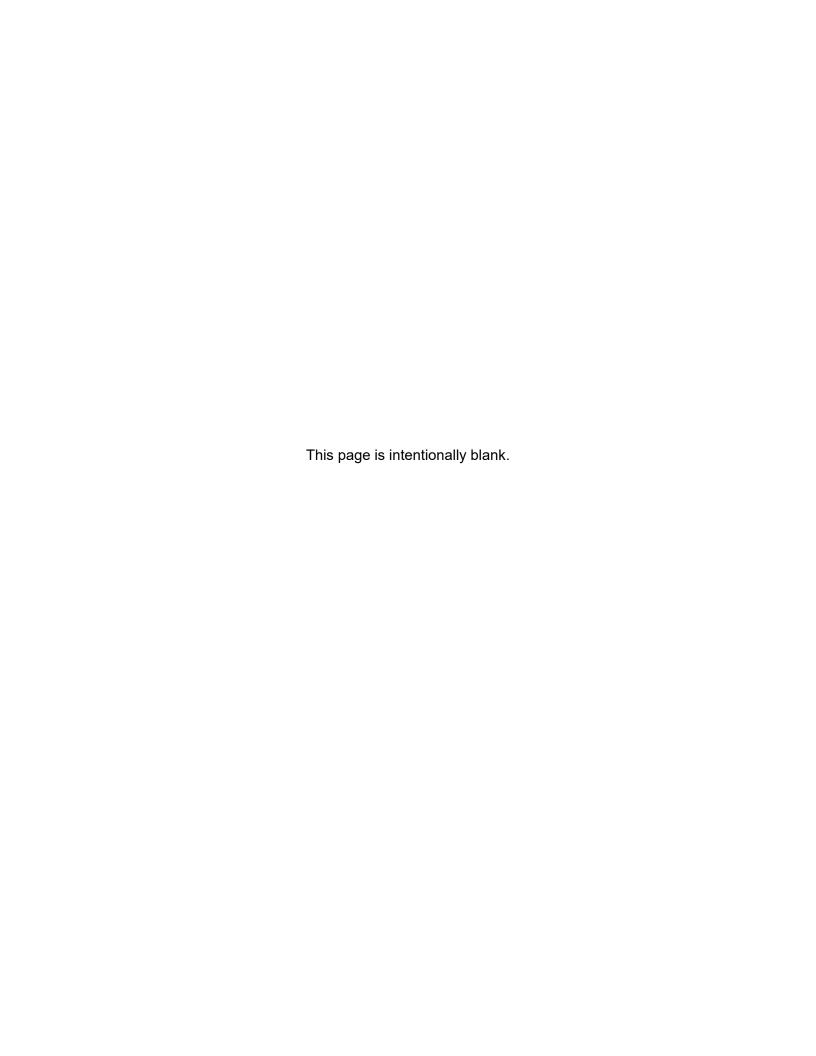
Expansion of the Foreign Military Sales F-35 Pilot Training Center

at Ebbing Air National Guard Base, Arkansas



Supplemental Environmental Impact Statement Summary

August 2025



This Summary of the *Draft Supplemental Environmental Impact Statement* (SEIS) for the Expansion of the Foreign Military Sales (FMS) F-35 Pilot Training Center (PTC) at Ebbing Air National Guard (ANG) Base, Arkansas (the "Draft SEIS") provides an overview of the in-depth analysis of the Proposed Action that is presented in the full Draft SEIS.

A CD containing the Draft SEIS as well as this Summary is provided inside the back cover of this Summary. The Draft SEIS is available at each of the public libraries listed. In addition, an electronic copy of the Draft SEIS is available online at www.FMSPTCEIS.com.

Fort Smith Public Library – Main Branch 3201 Rogers Avenue Fort Smith, AR 72903 Fort Smith Public Library – Windsor Drive
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4701 Windsor Drive
Fort Smith, AR 72904

Fort Smith Public Library – Dallas Street
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8100 Dallas Street
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Van Buren Public Library 1409 Main Street Van Buren, AR 72956

Fort Smith Public Library – Miller Branch 8701 S. 28th Street Fort Smith, AR 72908

Privacy Advisory

This Draft Supplemental Environmental Impact Statement (SEIS) has been provided for public comment in accordance with the National Environmental Policy Act, which provides an opportunity for public input on United States Department of the Air Force (DAF) decision-making, allows the public to offer input on alternative ways for the DAF to accomplish what it is proposing, and solicits comments on the DAF's analysis of environmental effects.

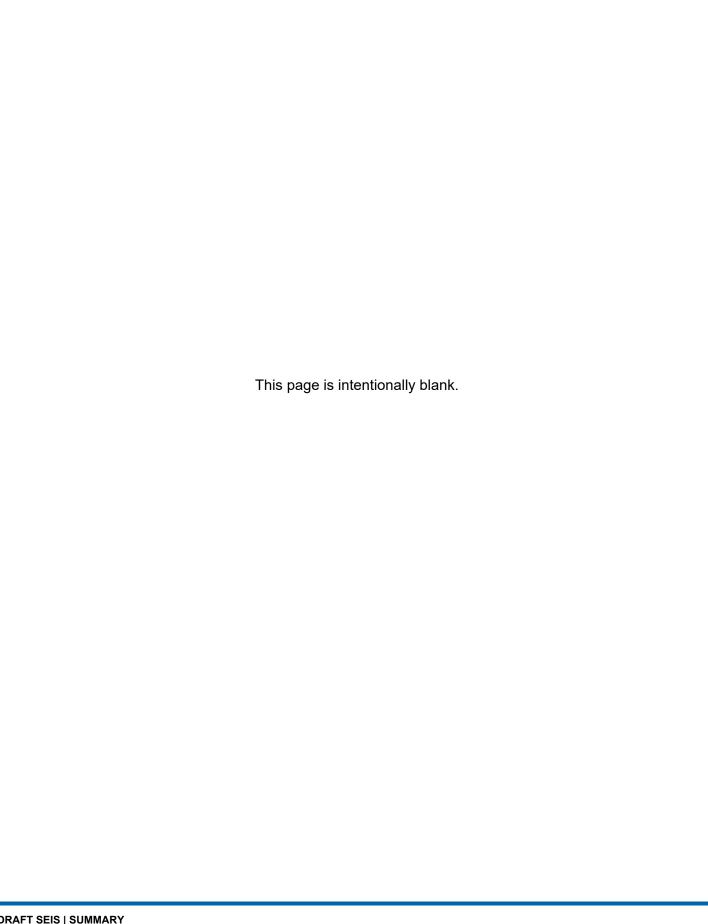
Public input allows the DAF to make better-informed decisions. Letters, other written, or verbal comments provided may be published in this SEIS. Providing personal information is voluntary. Private addresses will be compiled to develop a stakeholder inventory. However, only the names of the individuals making comments and specific comments will be disclosed. Personal information, home addresses, telephone numbers, and email addresses will not be published in this SEIS.

Section 508 of the Rehabilitation Act of 1973

The digital version of this SEIS and its project website are compliant with Section 508 of the Rehabilitation Act of 1973 because assistive technology (e.g., "screen readers") can be used to help the disabled understand these electronic media. Due to the nature of graphics, figures, tables, and images occurring in the document, accessibility may be limited to a descriptive title for each item.

COVER

- a. Responsible Lead Agency: Department of the Air Force (DAF); Air Education and Training Command (AETC)
- **b. Cooperating Agencies:** Federal Aviation Administration (FAA); United States Forest Service (USFS)
- c. Title: Supplemental Environmental Impact Statement (SEIS) for the Expansion of the Foreign Military Sales (FMS) F-35 Pilot Training Center (PTC) at Ebbing Air National Guard (ANG) Base, Arkansas
- d. Inquiries: Information regarding the SEIS is available on the project website at https://www.fmsptceis.com. Questions can also be directed to the AETC Public Affairs: phone number: (210) 652-9324; email address: AETC.PAO@us.af.mil. The Draft SEIS 45-day comment period begins with publication of the Notice of Availability in the Federal Register. The DAF recommends all comments be submitted during this 45-day comment period to allow sufficient time for full consideration in the Final SEIS.
- e. Designation: Draft SEIS
- f. Abstract: The DAF is proposing to expand the FMS PTC at Ebbing ANG Base, Arkansas. The DAF is the lead agency and FAA and USFS are serving as Cooperating Agencies because the scope of the DAF's Proposed Action and Alternatives involve activities under FAA's and USFS's jurisdiction by law and special expertise. This SEIS was prepared pursuant to the National Environmental Policy Act (NEPA), Title 42 of the United States Code §§ 4321–4347 and FAA Order 1050.1F, Environmental Impacts: Policies and Procedures. The Proposed Action is to beddown 12 additional F-35s at Ebbing ANG Base, for a total of 36 F-35 and 12 F-16 aircraft, and for F-35B aircraft to conduct Short Takeoff and Vertical Landing operations on the airfield. The Proposed Action would also include increased airfield and airspace operations; construction projects; and personnel increases. Alternative 1 would implement F-35B Short Takeoff and Vertical Landing operations on the airfield, which would require the construction of a Vertical Landing Pad, but the DAF would not beddown any additional aircraft, construct new facilities, or increase personnel. This SEIS analyzes potential effects from implementing the Proposed Action, Alternative 1, and the No Action Alternative.
- g. Comment Dates: Comments can be submitted on the project website at https://www.fmsptceis.com or mailed to the Department of the Air Force, c/o Leidos, Attn: Ebbing SEIS, 12304 Morganton Highway #38, Morganton, GA 30560. For comments to be fully considered in the Final SEIS, comments should be postmarked or received by the DAF by September 24, 2025.
- h. Note: The DAF is rescinding its NEPA regulations found at Title 32 Code of Federal Regulations § 989 because the Council on Environmental Quality's NEPA regulations, which they were meant to supplement, have been rescinded, and because the Department of Defense is promulgating Department-wide NEPA procedures that will guide DAF's NEPA process. The interim final rule is effective July 1, 2025.
- i. EIS Identification Number: SEIS-007-57-UAF-1750846563.



Draft

Supplemental Environmental Impact Statement Expansion of the Foreign Military Sales (FMS) F-35 Pilot Training Center (PTC) at Ebbing Air National Guard (ANG) Base, Arkansas

Summary

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ACRONYMS AND ABBREVIATIONS

% percent

ANG Air National Guard

DAF Department of the Air Force
EIS Environmental Impact Statement

FMS Foreign Military Sales
FSRA Fort Smith Regional Airport

IR Instrument Route
MOA Military Operations Area
MTR Military Training Route

NEPA National Environmental Policy Act

PAA Primary Aerospace Vehicle Authorization

PTC Pilot Training Center ROD Record of Decision

RWY Runway

SEIS Supplemental Environmental Impact Statement

STOVL Short Takeoff and Vertical Landing

SUA Special Use Airspace VLP Vertical Landing Pad

VR Visual Route

SUMMARY

S.1. INTRODUCTION

This Supplemental Environmental Impact Statement (SEIS) has been prepared in accordance with the National Environmental Policy Act to analyze the potential environmental consequences of proposed modifications to the Foreign Military Sales (FMS) Pilot Training Center (PTC) at Ebbing Air National Guard (ANG) Base in Fort Smith, Arkansas. In January 2023, the Department of the Air Force (DAF) completed the *Beddown of a Foreign Military Sales (FMS) Pilot Training Center (PTC) at Ebbing Air National Guard Base, Arkansas or Selfridge Air National Guard Base, Michigan Final Environmental Impact Statement (EIS) (hereinafter referred to as the "2023 FMS PTC EIS"). On March 11, 2023, the DAF and signed the Record of Decision (ROD) selecting Ebbing ANG Base as the location for the FMS PTC, authorizing the beddown of 24 F-35 aircraft and relocation of 12 Republic of Singapore Air Force F-16 aircraft.*

Since the signing of the 2023 FMS PTC EIS ROD, new training requirements have emerged due to additional FMS purchases of F-35 aircraft, including operations that incorporate the F-35B's Short Takeoff and Vertical Landing (STOVL) capabilities. This SEIS evaluates the environmental effects associated with expanding the FMS PTC mission at Ebbing ANG Base, which includes increasing aircraft capacity at Ebbing ANG Base from 24 to 36 F-35 Primary Aerospace Vehicle Authorization (PAA), revising training requirements, expanding the footprint of the PTC through construction of new infrastructure, renovation of existing facilities, and an increase in personnel.

The DAF is the lead agency and the Federal Aviation Administration and the United States Forest Service are serving as Cooperating Agencies because the scope of the DAF's Proposed Action and Alternatives involve activities under the Federal Aviation Administration's and United States Forest Service's jurisdiction by law and special expertise.

S.2. PURPOSE OF AND NEED FOR THE ACTION (SEIS CHAPTER 1)

The purpose of the action is to establish a permanent FMS F-35 PTC at a single location within the Continental United States for FMS F-35 pilot training.

The need for the action is to provide a centralized location for FMS training and pilot production. After the 2023 FMS PTC EIS ROD was signed, additional FMS nation customer participation in the F-35 enterprise resulted in additional training requirements exceeding the current 24 F-35 PAA limit. Therefore, the DAF needs additional F-35 capacity to expand beyond 24 F-35 PAA at Ebbing ANG Base, as authorized in the 2023 FMS PTC EIS ROD, to meet the new requirements.

The SEIS addresses the need for new requirements and refined operational procedures identified since completion of the 2023 FMS PTC EIS. These include increasing the capacity and footprint of the PTC at Ebbing ANG Base/Fort Smith Regional Airport (FSRA), basing 12 additional F-35 PAA, incorporating F-35B STOVL requirements and Vertical Landing Pads (VLPs), implementing new construction and renovation projects, and increasing the number of support personnel.

S.3. OVERVIEW OF PROPOSED ACTION AND ALTERNATIVES (SEIS CHAPTER 2)

The SEIS evaluates the environmental effects of three alternatives: (1) the Proposed Action to expand the FMS PTC at Ebbing ANG Base to accommodate up to 36 F-35 aircraft, (2) the No Action

Alternative, which would maintain the existing beddown of 24 F-35s and 12 F-16s as approved in the 2023 FMS PTC ROD, and (3) Alternative 1, which would implement refined operational procedures (including STOVL operations) and construct a VLP, but would not beddown the additional 12 F-35 aircraft or increase personnel at Ebbing ANG Base.

S.3.1 Proposed Action (SEIS Section 2.1)

The DAF proposes to expand the FMS PTC mission at Ebbing ANG Base beyond what was analyzed in the 2023 FMS PTC EIS and authorized in the ROD, which included 24 F-35 and 12 F-16 aircraft, and associated operations, personnel, and facilities. The Proposed Action would beddown an additional 12 F-35s for a total of 36 F-35 PAA and 12 F-16 aircraft at Ebbing ANG Base. There would also be an increase in F-35 operations, personnel, and new facilities as described in the following subsections. The actual number of F-35s present at Ebbing ANG Base at any one time may vary based on customer countries' needs. However, the steady-state number of F-35s would not exceed 36 PAA, and FMS PTC operations would not exceed those analyzed in this SEIS. The analysis is based on the maximum number of FMS PTC operations that would be authorized. Additionally, while the 2023 FMS PTC EIS did not include F-35B STOVL operations, they are included as part of this Proposed Action.

S.3.1.1 Aircraft Operations (SEIS Section 2.1.1)

Airfield Operations

The FSRA airfield would be utilized for FMS PTC F-35 training operations under the Proposed Action and would include VLP maneuvers. Annual airfield operations would increase from 63,979 in the 2023 FMS PTC EIS to 69,661.

Airspace and Ranges

F-35 operations under the Proposed Action would occur within existing designated Special Use Airspace, which are the same airspace and ranges originally included and described in the 2023 FMS PTC EIS. Aircraft operating out of Ebbing ANG Base/FSRA primarily utilize the Hog Military Operations Area (MOA)¹; the Shirley MOA; a corridor between the Hog and Shirley MOAs called the "Pig Path"; Military Training Routes (MTRs)² consisting of Visual Routes³ (VRs), including VR-189, VR-1102, VR-1103, VR-1104, VR-1113, VR-1130, and VR-1182; and Instrument Routes⁴ (IRs) consisting of IR-117, IR-120, IR-121, and IR-164. While predominant FMS PTC training operations would occur in the primary use airspace, FMS PTC aircraft training may occasionally occur in other Special Use Airspace, Air Traffic Control Assigned Airspace, and MTRs as discussed in the 2023 FMS PTC EIS. Operations on the "Pig Path" would be relatively infrequent and would consist primarily of FMS PTC aircraft transiting between the Hog and Shirley MOA airspace complexes.

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¹ A MOA is airspace designated outside of Class A airspace, to separate or segregate certain nonhazardous military activities from Instrument Flight Rules traffic and to identify for Visual Flight Rules traffic where these activities are conducted.

² Generally, MTRs are established below 10,000 feet mean sea level for operations at speeds in excess of 250 knots.

³ Visual Flight Rules means that the aircraft may operate without the use of instrumentation during nice and clear weather. Clouds, heavy precipitation, low visibility, and otherwise adverse weather conditions should be avoided under Visual Flight Rules.

⁴ Instrument Flight Rules implies that the flight may operate in cloudy or otherwise adverse weather conditions using instruments only.

Annual airspace events under the Proposed Action would increase by 13 percent (%) and MTR events would increase by 2% as compared to the 2023 FMS PTC EIS. However, annual nighttime operations and events would decrease by approximately 26%.

Munitions and Countermeasure Use

The Proposed Action also includes munitions and countermeasure use in the same ranges and airspace as authorized and described in the 2023 FMS PTC EIS. Razorback Range (Restricted Area 2401/Restricted Area 2402 [R-2401/R-2402]) contains varied target sets for supporting laser and air-to-ground weapons training. Live weapons are not permitted in the Razorback Range. However, live-fire training would be conducted during formal training exercises at Fort Johnson (formerly Fort Polk), Louisiana. Munitions and countermeasure use under the Proposed Action would increase by 126,758, flare use by 4,000 and chaff use by 8,000 as compared to the 2023 FMS PTC EIS.

S.3.1.2 Personnel/Manpower (SEIS Section 2.1.2)

The Proposed Action would add 271 personnel and 325 dependents, for a total of an additional 596 persons at Ebbing ANG Base. This would represent a 31% increase in total persons over the 2023 FMS PTC EIS ROD.

S.3.1.3 Facility Requirements (SEIS Section 2.1.3)

Construction and renovation projects would occur at Ebbing ANG Base/FSRA to support the 12 new F-35 PAA and STOVL operations. Under the Proposed Action, the DAF would construct and renovate approximately 1.2 million square feet of facilities. These projects are in addition to the construction and renovation projects described and listed in the 2023 FMS PTC EIS. Most FMS PTC facilities under the Proposed Action would primarily be developed near the main ramp, with a couple of projects proposed for other parts of the FSRA airfield, outside Ebbing ANG Base boundaries.

To support the proposed F-35B STOVL operations, the DAF would construct one VLP within the FSRA airfield. This SEIS evaluates two alternative locations to site the VLP: the West VLP Site Subalternative and the East VLP Site Subalternative. The West VLP Site Subalternative would construct the VLP and connecting taxiway along the southwestern end of Runway 02/20 and the East VLP Site Subalternative would construct the VLP and connecting taxiway along the southeastern end of Runway 08/26.

S.3.2 No Action Alternative (SEIS Section 2.2)

Under the No Action Alternative, the DAF would not expand the FMS PTC mission at Ebbing ANG Base and the DAF would proceed with the implementation of the 2023 FMS PTC ROD issued on March 11, 2023. The total number of aircraft, operations, and personnel at Ebbing ANG Base/FSRA would not change from what was authorized in the 2023 FMS PTC EIS ROD. Additionally, only those construction and renovation projects assessed in the 2023 FMS PTC EIS for Ebbing ANG Base/FSRA would occur.

If the No Action Alternative were implemented, the DAF would need to undertake a new basing action to determine another location that meets the underlying purpose and need. This would require additional National Environmental Policy Act analysis. That process and subsequent beddown would not meet national security agreements with FMS customer countries.

S.3.3 Alternative 1 (SEIS Section 2.3)

Under Alternative 1, the DAF would not beddown the additional 12 F-35 PAA, but FMS PTC operations would be modified for the existing 24 F-35 PAA to satisfy new requirements and refined operational procedures identified for F-35A and F-35B aircraft since completion of the 2023 FMS PTC EIS. The number of annual military operations at FSRA, airspace events, MTR events, nighttime operations and events, as well as use of munitions and countermeasures would not change from those included in the 2023 FMS PTC EIS. Personnel numbers would not change from the 2023 FMS PTC EIS ROD. Since F-35B aircraft would conduct STOVL operations under Alternative 1, the West VLP Site and the East VLP Site Subalternatives are carried forward for detailed analyses under this alternative.

S.4. ENVIRONMENTAL CONSEQUENCES (SEIS CHAPTER 3)

Table S-1 presents a summary of potential environmental effects by alternative and environmental resource area.

Resource Area	No Action Alternative	Proposed Action	Alternative 1
Resource Area	Installation and Surrounding	Installation and Surrounding	Installation and Surrounding
Noise	Area: There would be no additional noise effects, and noise levels would be as described in the 2023 FMS PTC EIS § 3.3.5 (Section 3.2.2.3.1). Airspace and Ranges: There would be no additional noise effects. Noise levels would be as described in the 2023 FMS PTC EIS § 3.3.4.2 and would remain below Ldnmr 65 dBA and DNL 65 dBA	Area: Up to an additional 1,788 acres of land affected by DNL 65 dBA or greater and up to an additional 6,493 people affected by DNL 65 dBA or greater (Section 3.2.2.1.1). Noise increases at multiple representative points of interest would be adverse and significant. Airspace and Ranges: Time-averaged noise levels would remain below L _{dnmr} 65	Area: Up to an additional 870 acres of land affected by DNL 65 dBA or greater and up to an additional 4,426 people affected by DNL 65 dBA or greater (Section 3.2.2.1.1). Noise increases at multiple representative points of interest would be adverse and significant. Airspace and Ranges: Time-averaged noise levels would remain below L _{dnmr}
	(Section 3.2.2.3.2).	not be significant.	65 dBA and DNL 65 dBA (Section 3.2.2.2.2). Therefore, noise effects would not be significant.
Land Use	Installation and Surrounding Area: Noise levels at Ebbing ANG Base/FSRA would be the same as what was described and authorized in the 2023 FMS PTC EIS \$3.4.5.1 and ROD (see Section 3.3.1.1). Significant adverse effects to residential land use would continue. Some commercial and public/quasi-public uses in the surrounding area could also continue to experience moderate adverse effects. Airspace and Ranges: Noise levels in the airspace would not change from what was described in the 2023 FMS PTC EIS \$3.4.4.2. There would be low-to-moderate	land exposed to noise of DNL	Installation and Surrounding Area: The land area outside the Ebbing ANG Base/FSRA boundary exposed to noise levels of DNL 65 dBA and greater under the West and East VLP Site Subalternatives would increase by 863 and 870 acres, respectively. Notably, the area of residential land exposed to noise of DNL 65 dBA and greater would increase by 322 and 323 acres, respectively. The effects on residential land use are adverse and significant under both subalternatives. Airspace and Ranges: Noise levels in the airspace would remain below Ldnmr 65 dBA and DNL 65 dBA, which is

Table S-1. Comparison of Environmental Effects by Alternative			
Resource Area	No Action Alternative	Proposed Action	Alternative 1
	adverse effects on underlying land uses and associated activities.	compatible with all land use categories in developed areas. Some noise-sensitive land uses would experience up to L _{dnmr} 3.1 dBA (DNL 3 dBA) time-averaged noise increases. These small increases may be perceived as adverse effects to visitors or users of these areas where an otherwise quiet setting is expected for primitive recreation. However, the resulting time-averaged noise-level increases would not be significant based on DoD and FAA guidelines for outdoor recreational uses.	compatible with all land use categories in developed areas. Some noise-sensitive land uses would experience up to L _{dnmr} 2 dBA (DNL 1.9 dBA) time-averaged noise increases. These small increases may be perceived as adverse effects to visitors or users of these areas where an otherwise quiet setting is expected for primitive recreation. However, the resulting time-averaged noise-level increases would not be significant based on DoD and FAA guidelines for outdoor recreational uses.
Socioeconomics	Installation and Surrounding Area: There would be no additional incoming personnel or dependents associated beyond what was authorized in the 2023 FMS PTC EIS and ROD. Socioeconomic conditions would continue as under existing conditions and trends.	Installation and Surrounding Area: There would be an increase of 596 people to the ROI by 2029. The population increase would be minor (less than 5% of the total projected population in the ROI) and	Installation and Surrounding Area: Potential effects to socioeconomic resources under this alternative would be the same as those described under the No Action Alternative. Under this alternative, there may be temporary and minor beneficial effects associated with the employment and income generated during VLP construction.

Table S-		vironmental Effects by	
Resource Area	No Action Alternative	Proposed Action	Alternative 1
Cultural Resources	Installation and Surrounding Area: As described in the 2023 FMS PTC EIS § 3.7.4, there would be no effects to archaeological or traditional cultural properties and no adverse effects to architectural resources. Airspace and Ranges: As described in the 2023 FMS PTC EIS § 3.7.4, there would be no effects to archaeological or traditional cultural properties and no adverse effects to architectural resources. Installation and Surrounding	Installation and Surrounding Area: There would be no effects to archaeological resources or traditional cultural properties and no adverse effects to architectural resources (Section 3.5.2). Consultation with the Arkansas SHPO and federally recognized Tribes is ongoing. Airspace and Ranges: There would be no adverse effects to archaeological resources, architectural resources, or traditional cultural properties (Section 3.5.2). Consultation with the Arkansas and Oklahoma SHPOs and federally recognized Tribes is ongoing. Installation and Surrounding	Installation and Surrounding Area: There would be no effects to archaeological resources or traditional cultural properties and no adverse effects to architectural resources (Section 3.5.2). Consultation with the Arkansas SHPO and federally recognized Tribes is ongoing. Airspace and Ranges: There would be no adverse effects to archaeological resources, architectural resources, or traditional cultural properties (Section 3.5.2). Consultation with the Arkansas and Oklahoma SHPOs and federally recognized Tribes is ongoing. Installation and Surrounding
Biological Resources	Area: Consequences to biological resources would be the same as those described in the 2023 FMS PTC EIS § 3.8.4.1. The USFWS concurred that the beddown of the FMS PTC at Ebbing ANG Base may affect but is not likely to adversely affect federally listed species. ESA Section 7 consultation with the USFWS regarding the Ebbing ANG Base/FSRA portion of the FMS PTC beddown was completed on March 30, 2022. Airspace and Ranges: Consequences to biological resources within the airspace would be the same as those described in the 2023 FMS PTC EIS § 3.8.4.2. There would be no minor to moderate effects to wildlife from airspace and range operations. The USFWS	Area: Consequences to biological resources include vegetation removal in currently maintained and landscaped areas for construction activities. Wildlife would experience increased noise effects from airfield operations compared to the No Action Alternative (Section 3.6.2.1.1). The USFWS concurred that the Proposed Action may affect but is not likely to adversely affect federally listed species. ESA Section 7 consultation with the USFWS regarding the Proposed Action was completed on May 30, 2025. Airspace and Ranges: Changes in noise levels in the airspace would range from a decrease of Ldnmr 6.3 dBA to an increase of DNL 6 dBA to an increase of DNL 3 dBA), compared to the No Action Alternative. Some wildlife would be exposed to increased noise from airspace	Area: Consequences to biological resources include vegetation removal in currently maintained and landscaped areas for

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Resource Area	No Action Alternative	Proposed Action	Alternative 1
Air Quality	Installation and Surrounding Area: Air emissions would remain consistent with current operations, and no changes in emissions levels would occur.	increased personnel would	Installation and Surrounding Area: Emissions from limited construction and existing operations would remain within regulatory thresholds.
	All criteria pollutant emissions		Ç
	Airspace and Ranges: Existing operations in airspace and ranges would remain unchanged, with no changes to emissions levels.	Emissions from expanded use of airspace would remain within regulatory thresholds.	within regulatory thresholds.

Key: % = percent; § = Section; ANG = Air National Guard; BMP = best management practice; EIS = Environmental Impact Statement; dBA = A-weighted decibels; DNL = day-night average sound level; DoD = Department of Defense; ESA = Endangered Species Act; FAA = Federal Aviation Administration; FMS = Foreign Military Sales; L_{dnmr} = onset rate-adjusted monthly day-night average sound level; PTC = Pilot Training Center; ROD = Record of Decision; ROI = region of influence; SHPO = State Historic Preservation Officer; TBD = to be determined; USACE = United States Army Corps of Engineers; USFWS = United States Fish and Wildlife Service; VLP = Vertical Landing Pad