



DEPARTMENT OF THE ARMY  
UNITED STATES ARMY EUROPE & AFRICA

[REDACTED]

[REDACTED]

02 November 2023

MEMORANDUM FOR RECORD

SUBJECT: Traffic data analysis for proposed town of Ostfeld noise study.

1. USAREUR-AF Airfield Operations Activity – Europe (AOAE) conducted a data analysis of traffic data captured between August 2022 and August 2023. The refined data sets provided were derived from existing documentation to include flight plans, Air Traffic Control (ATC) traffic counts, ATC tracking documentation, and monthly reports.
2. The data provided in the attachments is the six busiest months during the analysis period for Wiesbaden Army Airfield (WAAF). The data sets parameters were defined by the Hessen Ministry subject matter expert (SME).
3. The data accuracy is estimated to be +/- 15% of the actual flight patterns and traffic. This estimated accuracy is a result of data availability limitations. The U.S. Army requirements for traffic count reporting do not contain the exact data parameters required by the SME and statistical analysis was required, particularly in the corridor usage section.
4. Point of contact for this action is the undersigned at [REDACTED] or [REDACTED]

[REDACTED]

[REDACTED]

Aircraft movement data from the six busiest months  
 August 2022 - August 2023  
 August, April, May, June, July, August 2022  
 Data includes Takeoff and landings associated with Traffic Patterns

2200-0600LCL

August 2023

		C-17	C-130	DH8B	F900	G4	G5	GLEX	C560	BE-20	Helo	C-17	C-130	C560	BE-20	Helo
RWY 25	ARR	2		1			1		25	52	90				1	7
	DEP	3		1		1			22	50	88			1		7
RWY 7	ARR	2			1	1		1	6	15	52					
	DEP	1			1			1	13	18	48					

July 2023

		C17	C295								C560	BE-20	Helo	C560	BE-20	Helo
RWY 25	ARR	2	1							24	54	56			1	60
	DEP	2	1							26	65	62		1	1	60
RWY 7	ARR								1	5	2					
	DEP								6	9	2					

June 2023

		C-17	G5	V22								C560	BE-20	Helo	C-17	C560	BE-20	Helo
RWY 25	ARR	1		7							14	25	58			1	2	1
	DEP	1	1	5							17	21	57				1	
RWY 7	ARR		3								20	35	74	1			1	9
	DEP	1	2	2							24	40	67			1	1	6

May 2023

		GLEX	TBM7	GL5T	G4	B350	F900								C560	BE-20	Helo	C560	BE-20	Helo
RWY 25	ARR		1	1		1													12	
	DEP	1	1	1		1													11	
RWY 7	ARR	1			1	4	1								1	2			57	
	DEP				1	4	1									1			58	

April 2023

		P180	CL60							C560	BE-20	Helo				BE-20	Helo	
RWY 25	ARR									12	34	89						44
	DEP									16	38	98						35
RWY 7	ARR	1	1							16	28	88				1		27
	DEP	2	1							13	29	94				1		20

August 2022

		C-17	C-130	B350	GLST					C560	BE-20	Helo				BE20	Helo	
RWY 25	ARR				1					13	47	51				1		34
	DEP				1					15	35	49				1		32
RWY 7	ARR	3	1	1						22	33	86						29
	DEP	3	1	1						19	39	90						26

Aircraft Traffic Pattern data from the six busiest months

August 2022 - August 2023

August, April, May, June, July, August 2022

August 2023

		C560	BE-20	Helo
South	Day	0	0	91
	Night	0	0	6
North	Day	0	13	0
	Night	0	0	0

July 2023

		C560	BE-20	Helo
South	Day	0	0	63
	Night	0	0	44
North	Day	0	29	0
	Night	0	0	1

June 2023

		C560	BE-20	Helo	V22
South	Day	0	0	103	0
	Night	0	0	16	0
North	Day	1	13	0	5
	Night	0	0	0	0

May 2023

		C560	BE-20	Helo
South	Day	0	0	41
	Night	0	0	44
North	Day	0	37	0
	Night	0	0	0

April 2023

		C560	BE-20	Helo
South	Day	0	0	118
	Night	0	0	54
North	Day	0	12	0
	Night	0	0	0

August 2022

		C560	BE-20	Helo
South	Day	0	0	107
	Night	0	0	42
North	Day	0	8	0
	Night	0	0	0

Aircraft VFR Corridor data from the six busiest months  
 August 2022 - August 2023  
 August, April, May, June, July, August 2022

August 2023

		C560	BE-20	Helo
South Corridor	Day	0	0	13
	Night	0	0	1
North Corridor	Day	0	0	3
	Night	0	0	1
West Corridor	Day	0	5	2
	Night	0	0	20
East Corridor	Day	0	0	0
	Night	0	0	1

July 2023

		C560	BE-20	Helo
South Corridor	Day	0	0	14
	Night	0	0	15
North Corridor	Day	0	1	5
	Night	0	0	4
West Corridor	Day	1	0	23
	Night	0	0	23
East Corridor	Day	0	0	0
	Night	0	0	1

June 2023

		C560	BE-20	Helo	V22
South Corridor	Day	0	0	63	0
	Night	0	0	4	0
North Corridor	Day	0	0	24	0
	Night	0	0	2	0
West Corridor	Day	0	3	4	0
	Night	0	0	59	0
East Corridor	Day	0	1	2	2
	Night	0	0	1	0

May 2023

		C560	BE-20	Helo
South Corridor	Day	0	1	11
	Night	0	0	10
North Corridor	Day	0	0	7
	Night	0	0	6
West Corridor	Day	0	4	24
	Night	0	0	21
East Corridor	Day	0	2	1
	Night	0	0	1

April 2023

		C560	BE-20	Helo
South Corridor	Day	0	1	18
	Night	0	0	6
North Corridor	Day	0	0	6
	Night	0	0	3
West Corridor	Day	0	2	33
	Night	0	0	12
East Corridor	Day	0	0	12
	Night	0	0	5

August 2022

		C560	BE-20	Helo
South Corridor	Day	0	0	11
	Night	0	0	5
North Corridor	Day	0	2	7
	Night	0	0	3
West Corridor	Day	0	5	26
	Night	0	0	11
East Corridor	Day	0	0	2
	Night	0	0	1