

**178<sup>th</sup> Fighter Wing**

**BRAC Analyst Visit**

**Supporting Materials**

# Reference

## Slide #21

Manning Break Down Chart  
IAW 4 Apr 05 OH ANG MPV

	<b>Technician</b>	<b>AGR</b>	<b>Title 5</b>	<b>State</b>	<b>Contractor</b>	<b>Total</b>
178 FW	272	90	11	52	13	438
251 CCG	7	3				10
269 CBCS	19	3				22
123 ACS	28	6				34
Total @ SPANGB	326	102	11	52	13	504

# Reference

## Slide #22

**May 2005 - 178th Strength Report**

MPF	AUTHORIZED		ASSIGNED		Off Pct	Enl Pct	Total	Goal
	Officer	Enlisted	Officer	Enlisted				
178 FW	102	779	85	876	83.33%	112.45%	109.08%	0.00%
Minorities			3	60	3.53%	6.85%	6.56%	0.00%
Females			15	157	17.65%	17.92%	17.90%	0.00%
251 CCG	14	25	14	21	100.00%	84.00%	89.74%	0.00%
Minorities			0	2	0.00%	9.52%	5.71%	0.00%
Females			0	5	0.00%	23.81%	14.29%	0.00%
269 CCS	5	121	6	117	120.00%	96.69%	97.62%	0.00%
Minorities			1	12	16.67%	10.26%	10.57%	0.00%
Females			0	21	0.00%	17.95%	17.07%	0.00%
<b>Totals</b>	<b>121</b>	<b>925</b>	<b>105</b>	<b>1014</b>	<b>86.78%</b>	<b>109.62%</b>	<b>106.98%</b>	

**F-16 B-Course Student Class Comparison – Springfield ANGB and Luke AFB**

<b>LOCATION</b>	<b>SYLLABUS</b>	<b>DATE</b>	<b># of Students</b>	<b># of Training Days</b>
Springfield	<b>B</b>	September 2004	12	145
Luke	<b>B</b>	March 2005	12	127
		January 2004	12	34
		<b>Total:</b>		

**Lohnes Richard Col 178FW/CC 346-2155**

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**From:** Lay Jeffery E Lt Col 178FW/XP 346-2129  
**Sent:** Tuesday, May 17, 2005 11:14 PM  
**To:** Lohnes Richard Col 178FW/CC 346-2155  
**Cc:** Roberts Mike Col 178FW/CV 346-2237  
**Subject:** Sim Q & A

**Importance:** High

Sir:

- 1) No other ANG unit (barring FTU operations) has more than one sim.
- 2) Kelly has 1 x UTD, and 2 x Simuspheres.
- 3) Cannon and Hill AFB both have 4 x Simuspheres each.
- 4) Luke has 10 x UTDs, and 4 x Simuspheres.
- 5) Estimated cost to "move" a Simusphere domestically is \$150K-\$175K each.
- 6) Estimated cost to "move" a UTD is \$12K-\$14K each (approx \$50K total).
- 8) TOTAL estimate to "move" our devices domestically is \$200K-\$225K.
- 9) Our CURRENT 4000 sq ft facility is valued at \$905K.
- 10) Our Expansion (which includes 4000 sq ft addition, plus 4000 sq ft renovation) is estimated to cost \$1.75M (\$750K for addition, and \$500K for renovation).
- 11) A "new" 8000 sq ft facility, including 4000 sq ft "open bay" would cost approximately \$2.05M.

The construction costs are based upon historical data plus money needed for design, supervision, and contingency.

All of these historical values and calculations were taken from the OSD pricing guide for construction, and are in FY05 dollars.

v/r,

E

\*Data source - Guardian data as of 21 Jun 05 for FY 2002.

MDS	UNIT	Metric	FY2002	FY2003	FY2004
F-16C/D	162FW	Sorties Flown	4,681	5,790	6,076
<b>F-16C/D</b>	<b>178FW</b>	<b>Sorties Flown</b>	<b>3,488</b>	<b>3,397</b>	<b>3,403</b>
F-16C/D	150FW	Sorties Flown	3,374	n/a	2,935
F-16C/D	149FW	Sorties Flown	3,300	3,054	3,231
F-16C/D	188FW	Sorties Flown	3,199	3,051	3,012
F-16C/D	140WG	Sorties Flown	3,046	3,092	2,816
F-16C/D	169FW	Sorties Flown	2,979	2,880	3,008
F-16C/D	144FW	Sorties Flown	2,907	2,828	2,705
F-16C/D	138FW	Sorties Flown	2,888	2,769	2,689
F-16C/D	181FW	Sorties Flown	2,867	2,823	2,743
F-16C/D	158FW	Sorties Flown	2,833	2,658	2,461
F-16C/D	183FW	Sorties Flown	2,801	2,585	2,273
F-16C/D	177FW	Sorties Flown	2,759	3,016	2,294
F-16C/D	192FW	Sorties Flown	2,700	458	2,365
F-16C/D	122FW	Sorties Flown	2,682	2,687	2,431
F-16C/D	114FW	Sorties Flown	2,678	2,690	2,674
F-16C/D	127WG	Sorties Flown	2,657	729	596
F-16C/D	115FW	Sorties Flown	2,626	2,934	2,753
F-16C/D	132FW	Sorties Flown	2,421		2,499
F-16C/D	187FW	Sorties Flown	2,348	2,435	293
F-16C/D	174FW	Sorties Flown	2,326	2,241	2,408
F-16C/D	180FW	Sorties Flown	2,307	2,732	2,497
F-16C/D	113WG	Sorties Flown	2,304	1,866	
F-16C/D	147FW	Sorties Flown	2,300	2,335	2,607
F-16C/D	185AW	Sorties Flown	2,249	327	51
F-16C/D	120FW	Sorties Flown	2,235	2,525	2,676
F-16C/D	148FW	Sorties Flown		969	2,517

\*Data source - Guardian data as of 21 Jun 05 for FY 2003.

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F-16C/D	162FW	Sorties Flown	4,681	5,790	6,076
<b>F-16C/D</b>	<b>178FW</b>	<b>Sorties Flown</b>	<b>3,488</b>	<b>3,397</b>	<b>3,403</b>
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F-16C/D	113WG	Sorties Flown	2,304	1,866	n/a
F-16C/D	148FW	Sorties Flown	n/a	969	2,517
F-16C/D	127WG	Sorties Flown	2,657	729	596
F-16C/D	192FW	Sorties Flown	2,700	458	2,365
F-16C/D	185AW	Sorties Flown	2,249	327	51
F-16C/D	132FW	Sorties Flown	2,421		2,499
F-16C/D	150FW	Sorties Flown	3,374		2,935

\*Data source - Guardian data as of 21 Jun 05 for FY 2004.

MDS	UNIT	Metric	FY2002	FY2003	FY2004
F-16C/D	162FW	Sorties Flown	4,681	5,790	6,076
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F-16C/D	127WG	Sorties Flown	2,657	729	596
F-16C/D	187FW	Sorties Flown	2,348	2,435	293
F-16C/D	185AW	Sorties Flown	2,249	327	51
F-16C/D	113WG	Sorties Flown	2,304	1,866	

Reference  
Slide #23, 60

## F-16 Syllabi Taught at the 178<sup>th</sup> FW

	SYLLABUS	DATE	TRACK	Description
1	<b>B</b>	September 2004		Basic Course
2	<b>TX</b>	October 2004	1A	Transition (a/a emphasis)
3			1B	Transition (a/g emphasis)
4			2	Re-qual
5	<b>IPUG</b>	October 2003	1	FTU IP
6			2	Operational IP
7			3	Academic Platform Instructor
8	<b>NS</b>	January 2004	1	TGP qual, NVG wingman
9			2A	NVG flight lead (already TGP flt lead)
10			2B	NVG and TGP instructor
11			3A	TGP qual
12			3B	TGP instructor
13			5	NVG wingman
14			6A	NVG flight lead
15			6B	NVG instructor
16			7	NVG LOWAT
17	<b>SOC</b>	March 2002	1A	Academics and training devices only
18			1B	Basic qual
19			1C	Basic qual + ACBT + 2 theater a/g
20			1D	Basic qual + ACBT + 2 theater a/a
21			1E	Aggressor pilot transition
22			1F	Basic qual + 4 theater a/g
23			2	Thunderbird selectee

<b>Student Numbers</b>		
Course	# Classes	# Students
A-C	11	66
A-C	1	1
NVG	19	65 (these numbers include Goggles & TGP)
SOC	6	9
IP	10	21
TX	12	36
B	6	39 graduates, 12 currently attending course
Totals	65	249

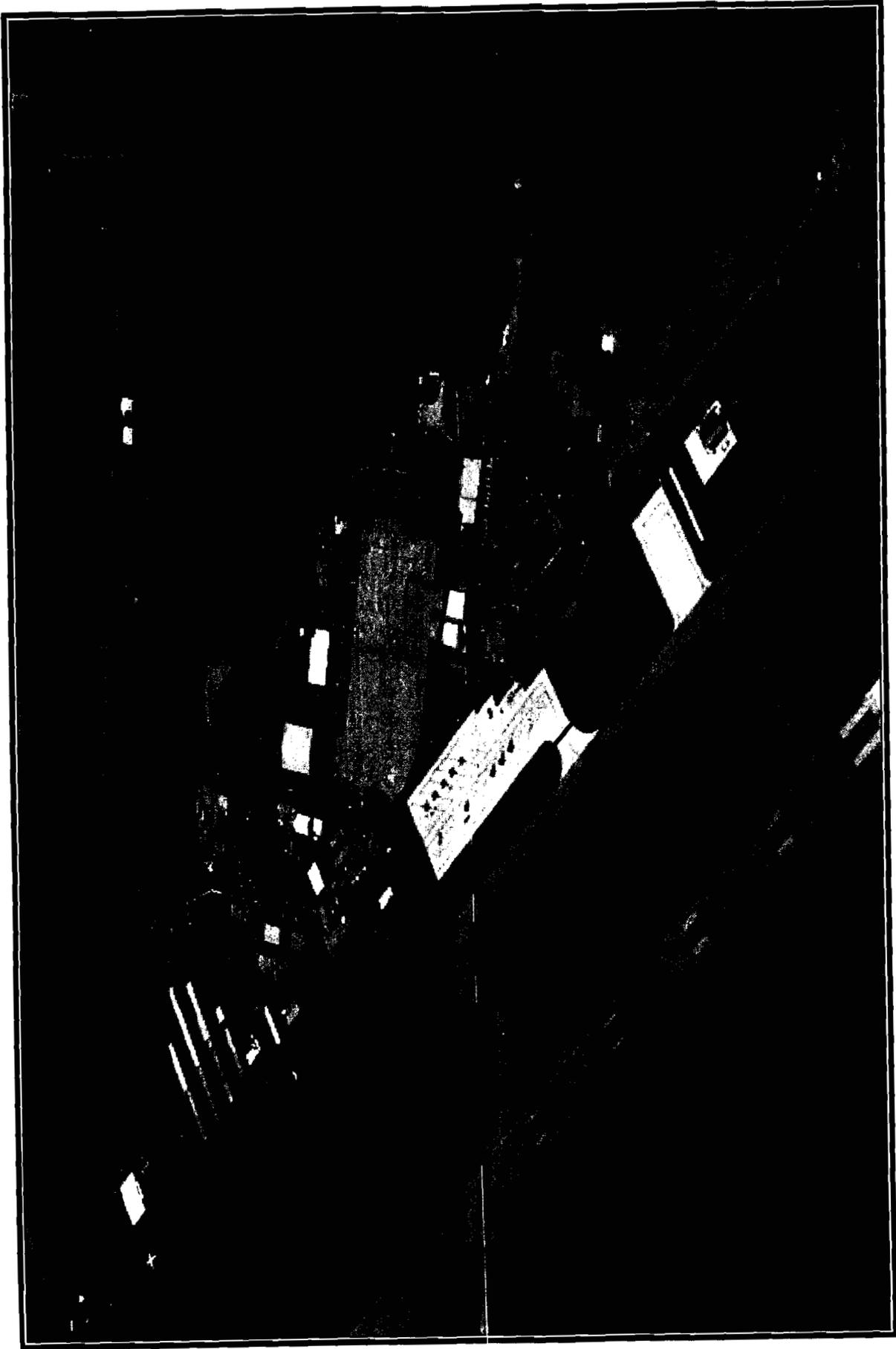
Breakdown of withdrawals:

- 1 NVG
- 2 TX
- 1 B

# Reference

## Slide #26, 36

# North and South Parking Ramps





# Reference

## Slide #32, 37

**Lohnes Richard L Col 178FW/CC 346-2155**

**From:** Gebhard Mark J Lt Col 178CES/CC 346-2279  
**Sent:** Tuesday, June 21, 2005 8:24 AM  
**To:** Lohnes Richard L Col 178FW/CC 346-2155  
**Cc:** Williams Bev Civ 178CES/CER 346-2586  
**Subject:** Reference used for Facility Authorized Space  
**Sensitivity:** Personal

Sir,

1. The Air National Guard Handbook, ANGH 32-1084 "ANG Facility Requirements" (Draft, dated 30 November 2003), is the reference used to determine the authorized space for our base and the 24 PAA F-16 Fighter Unit.
2. The ANG reference supplements the Air Force Handbook, AFH 32-1084 "Standard Facility Requirements Handbook".
3. I had Bev Williams check ANGH 32-1084 reference today and it is still used in the "draft" mode.

USE OF REAL PROPERTY FACILITIES			BASE: SPRINGFIELD-BECKLEY MAP, OH			
NOMENCLATURE A	U/M B	18 PAA	24 PAA	EXISTING SQUARE FEET D	DIFFERENCE	
		TOTAL AUTHORIZED C	TOTAL AUTHORIZED G		PLUS (+) E	MINUS (-) F
SQUADRON OPNS	SF	27,300	27,300	30,800	3,500	
CONTROL TOWER	SF	5,660	5,660	1,872		3,788
FLIGHT SIMULATOR	SF	8,000	8,000	4,000		4,000
APRON *	SY	36,000	36,000	56,157	20,157	
APRON (OLD)	SY			28,157		
APRON (NEW)	SY			28,000		
PAD ARM / DA	SY	8,425	8,425	8,425		
POWER CHECK PAD	SY	2,989	2,989	2,989		
ACFT ARRESTING SYSTEM	EA	2	2	2		
SUBTOTAL		40,960	40,960	36,672	3,500	7,788
<b>MAINTENANCE GROUP</b>						
HG MAINT	SF	28,000	36,000	32,645		3,355
SHP ACFT GEN PURP	SF	19,100	19,100	18,434		666
ORG MAINTENANCE	SF	8,000	8,000	6,674		1,326
FUEL SYS/CORR CTL	SF	13,000	13,000	8,370		4,630
ACFT CORROSION CONTROL	SF	9,000	9,000	7,269		1,731
ENGINE I & R	SF	13,000	13,000	12,000		1,000
NDI SHOP	SF	3,000	3,000	3,009	9	
CORROSION CONTROL STOR	SF	800	800	0		800
AIRCRAFT READY SHELTERS	SF	13,680	13,680	0		13,680
WEAPONS RELEASE	SF	15,800	15,800	10,120		5,680
MUNITION SHOP	SF	14,200	14,200	5,028		9,172
STOR, MAG ABOVE GROUND	SF	5,140	5,140	2,692		2,448
AVIONICS	SF	12,700	12,700	12,471		229
WPN SYS / M MGT FC	SF	9,000	9,000	12,153	3,153	
AGE SHOP	SF	12,500	12,500	8,003		4,497
SHP SURV EQUIP	SF	3,100	3,100	2,568		532
POL OPS	SF	2,000	2,000	1,471		529
PUMP STATION	SF	1,200	1,200	569		631
POL STORAGE	GA	100,000	100,000	95,981		631
SUBTOTAL		183,220	191,220	143,476	3,162	50,906

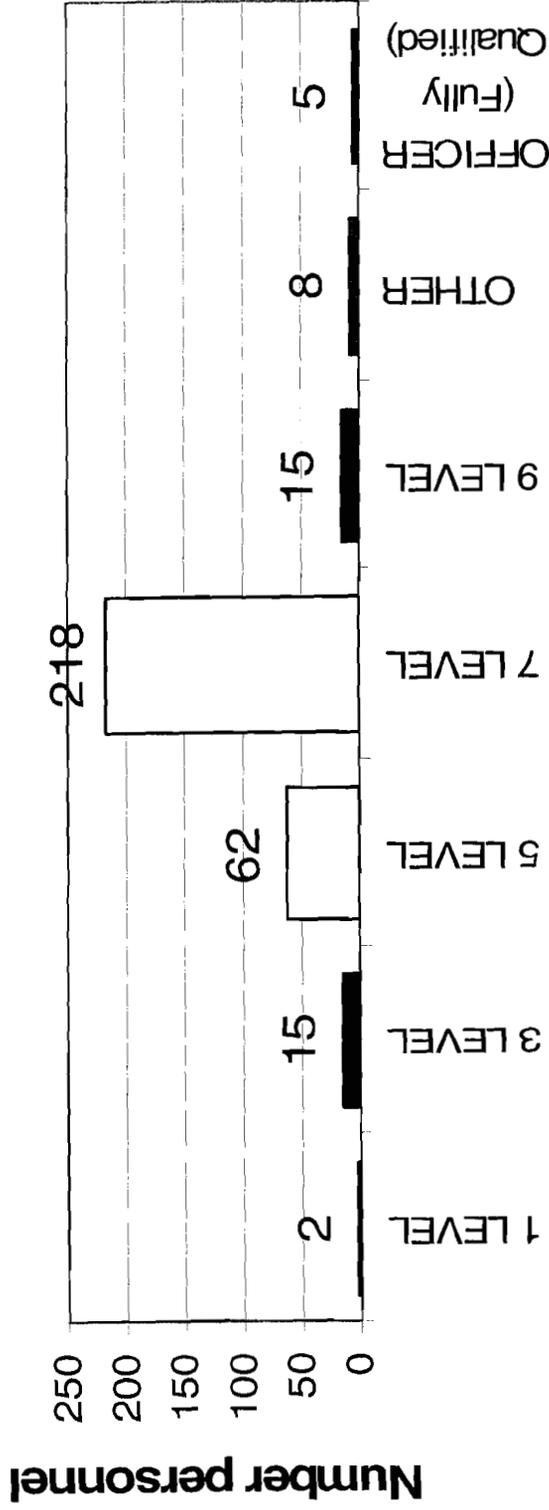




# Reference

## Slide #48

## Military Value (Maintenance Experience as of 21 Jun 05)



### Training level

**Enlisted: 95% Personnel at 5 level or above**

**75% Personnel at 7 level or above**

**Officer: 100% Fully Qualified**

\* Data source J4-Master-Enlisted Classification OJT Roster dated 21 Jun 05

# Reference

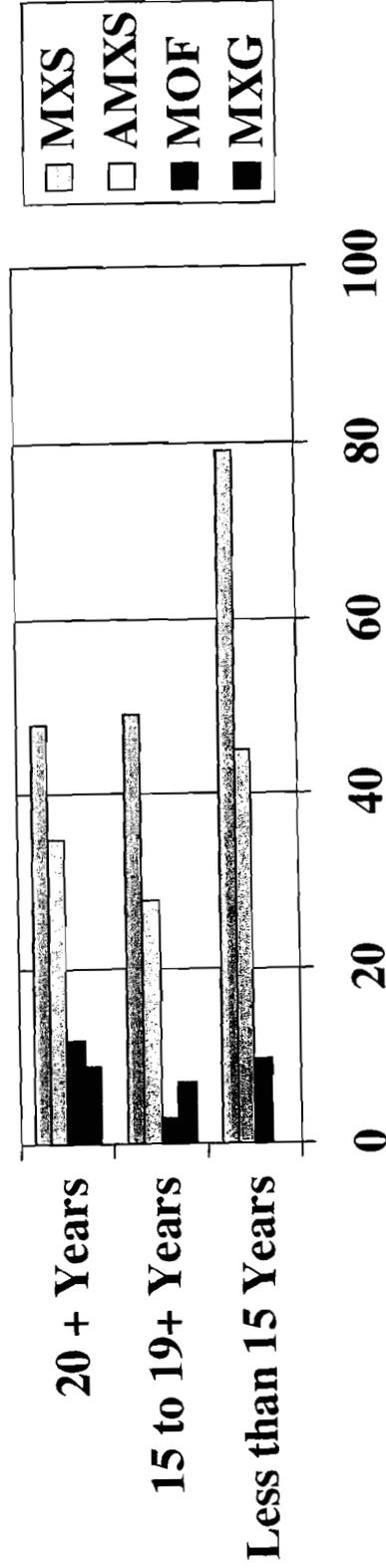
## Slide #49

# 178 MXG Military Manning as of 21 Jun 05

## Stable Work Force

- Spread over a spectrum of experience

- No Gaps/Bow Waves



	Less than 15 Years	15 to 19+ Years	20 + Years
MXS	79	49	48
AMXS	45	28	35
MOF	10	3	12
MXG	0	7	9

\*Data derived from Services date for all.xls as provided by MPF.

**MAINTENANCE GROUP 15 PAA VS 24 PAA VS 120 DAY AEF (FULL-TIME & TRADITIONAL)**

<b>Squadron/Shop</b>	<b>15 PAA TECH</b>	<b>24 PAA TECH</b>	<b>INCREASE</b>	<b>15PAA TRAD</b>	<b>24 PAA TRAD</b>	<b>INCREASE</b>	<b>TOTAL INCREASE</b>	<b>178 MXG 18 PAA TECH</b>	<b>178 MXG 18 PAA TRAD</b>	<b>INCREASE 24 PAA TECH</b>	<b>INCREASE 24 PAA TRAD</b>
<b>Maintenance Gp</b>	<b>8</b>	<b>15</b>	<b>7</b>	<b>25</b>	<b>42</b>	<b>17</b>	<b>24</b>	<b>12</b>	<b>19</b>	<b>3</b>	<b>25</b>
Leadership	1	1	0	0	0	0	0	1	2	0	0
Orderly Rm	0	0	0	4	6	2	2	1	1	0	5
QA	5	10	5	12	20	8	13	8	8	2	12
Weapons Stand	0	1	1	5	8	3	4	0	4	1	4
Pro Sup/Exped	2	3	1	4	8	4	5	3	4	0	4
<b>Maintenance Sq</b>	<b>80</b>	<b>147</b>	<b>67</b>	<b>131</b>	<b>217</b>	<b>86</b>	<b>153</b>	<b>116</b>	<b>185</b>	<b>31</b>	<b>69</b>
Leadership	5	5	0	2	3	1	1	4	5	1	0
Orderly rm	1	1	0	3	5	2	2	1	3	0	2
Egress	2	4	2	4	6	2	4	5	9	0	0
Electric	6	10	4	10	12	2	6	9	16	1	0
R & R	1	4	3	2	3	1	4	3	3	4	0
Hydraulic	3	5	2	3	5	2	4	4	7	1	0
Fuels	5	8	3	14	16	2	5	6	13	2	3
AIS	6	7	1	9	9	0	1	12	13	0	0
ECM	3	8	5	6	9	3	8	0	0	8	9
Engine	15	32	17	15	20	5	22	26	33	6	0
Inspection/Phase	6	12	6	7	13	6	12	9	12	3	1
Fabrication	1	1	0	0	0	0	0	2	3	0	0
Metals	2	6	4	4	7	3	7	4	7	2	0
St Rep	5	11	6	6	14	8	14	7	11	4	3
NDI	3	6	3	2	4	2	5	4	6	2	0
Survival Equip	2	5	3	1	2	1	4	4	5	1	0
Munitions	8	13	5	35	78	43	48	9	27	4	51
Age	6	9	3	8	11	3	6	7	12	2	0

<b>Acft Maint Sq</b>	<b>48</b>	<b>81</b>	<b>35</b>	<b>107</b>	<b>161</b>	<b>54</b>	<b>89</b>	<b>62</b>	<b>111</b>	<b>19</b>	<b>48</b>
Leadership	2	0	0	3	5	2	2	3	3	0	0
Orderly Rm	0	1	1	2	4	2	3	1	3	0	1
Avionics FL	11	19	8	14	27	13	21	15	21	4	6
Weapons	17	27	10	51	70	19	29	18	37	9	33
Crew Chiefs	18	34	16	37	55	18	34	26	47	8	8
<b>Maint Ops Flight</b>	<b>12</b>	<b>23</b>	<b>11</b>	<b>22</b>	<b>44</b>	<b>22</b>	<b>33</b>	<b>16</b>	<b>27</b>	<b>7</b>	<b>19</b>
Leadership	1	1	0	1	1	0	0	1	2	0	0
MOC/PS & D	4	12	8	12	29	17	25	7	15	5	14
CEMS	2	3	1	4	6	2	3	2	3	1	3
Analysis	2	3	1	4	6	2	3	2	4	1	2
Training	2	3	1	1	2	1	2	2	3	1	0
Funds	1	1	0	0	0	0	0	2	0	0	0
<b>TOTAL</b>	<b>148</b>	<b>266</b>	<b>120</b>	<b>285</b>	<b>464</b>	<b>179</b>	<b>299</b>	<b>206</b>	<b>342</b>	<b>60</b>	<b>161</b>

## 24 PAA Stand Up Information

178 MXG Current (18 PAA)

24 PAA

Full Time: 205

266\*

Drill Status Guardsmen: 313

464\*\*

\* Full time – 78% of required personnel are on board full time to support a 24 PAA organization.  
Need less than 70 additional hires to be full up.

\*\* Drill Status Guardsmen – 151 slots to become a full up 24 PAA organization.

178<sup>th</sup> FW 109.08 % manning / 95+ % Retention

**MAINTENANCE GROUP 15 PAA VS 24 PAA VS 120 DAY AEF (FULL-TIME & TRADITIONAL)**

Squadron/Shop	15 PAA	24 PAA	INCREASE	15PAA	24 PAA	INCREASE	TOTAL	178 MXG	178 MXG	INCREASE	INCREASE
	TECH	TECH		TRAD	TRAD			18 PAA	18 PAA	24 PAA	24 PAA
							INCREASE	TECH	TRAD	TECH	TRAD
Maintenance Gp	8	15	7	25	42	17	24	12	19	3	25
Leadership	1	1	0	0	0	0	0	1	2	0	0
Orderly Rm	0	0	0	4	6	2	2	1	1	0	5
QA	5	10	5	12	20	8	13	8	8	2	12
Weapons Stand	0	1	1	5	8	3	4	0	4	1	4
Pro Sup/Exped	2	3	1	4	8	4	5	3	4	0	4
Leadership	5	5	0	2	3	1	1	4	5	1	0
Orderly rm	1	1	0	3	5	2	2	1	3	0	2
Egress	2	4	2	4	6	2	4	5	9	0	0
Electric	6	10	4	10	12	2	6	9	16	1	0
R & R	1	4	3	2	3	1	4	3	3	4	0
Hydraulic	3	5	2	3	5	2	4	4	7	1	0
Fuels	5	8	3	14	16	2	5	6	13	2	3
AIS	6	7	1	9	9	0	1	12	13	0	0
ECM	3	8	5	6	9	3	8	0	0	8	9
Engine	15	32	17	15	20	5	22	26	33	6	0
Inspection/Phase	6	12	6	7	13	6	12	9	12	3	1
Fabrication	1	1	0	0	0	0	0	2	3	0	0
Metals	2	6	4	4	7	3	7	4	7	2	0
St Rep	5	11	6	6	14	8	14	7	11	4	3
NDI	3	6	3	2	4	2	5	4	6	2	0
Survival Equip	2	5	3	1	2	1	4	4	5	1	0
Munitions	8	13	5	35	78	43	48	9	27	4	51
Age	6	9	3	8	11	3	6	7	12	2	0

<b>Acft Maint Sq</b>	<b>48</b>	<b>81</b>	<b>35</b>	<b>107</b>	<b>161</b>	<b>54</b>	<b>89</b>	<b>62</b>	<b>111</b>	<b>19</b>	<b>48</b>
Leadership	2	0	0	3	5	2	2	3	3	0	0
Orderly Rm	0	1	1	2	4	2	3	1	3	0	1
Avionics FL	11	19	8	14	27	13	21	15	21	4	6
Weapons	17	27	10	51	70	19	29	18	37	9	33
Crew Chiefs	18	34	16	37	55	18	34	26	47	8	8
<b>Maint Ops Flight</b>	<b>12</b>	<b>23</b>	<b>11</b>	<b>22</b>	<b>44</b>	<b>22</b>	<b>33</b>	<b>16</b>	<b>27</b>	<b>7</b>	<b>19</b>
Leadership	1	1	0	1	1	0	0	1	2	0	0
MOC/PS & D	4	12	8	12	29	17	25	7	15	5	14
CEMS	2	3	1	4	6	2	3	2	3	1	3
Analysis	2	3	1	4	6	2	3	2	4	1	2
Training	2	3	1	1	2	1	2	2	3	1	0
Funds	1	1	0	0	0	0	0	2	0	0	0
<b>TOTAL</b>	<b>148</b>	<b>266</b>	<b>120</b>	<b>285</b>	<b>464</b>	<b>179</b>	<b>299</b>	<b>206</b>	<b>342</b>	<b>60</b>	<b>161</b>

# Reference Slide #50

F016										
Name	Total	Primary	Instructor	Evaluator	# Sorties	Combat	Combat Supt	Combat Sotrie	Combat Supt Sortie	NVG
Brown, Zane	949.1	627.2	316.7	0.0	727	0.0	0.0	0	0	13.0
Buddelmeyer, Keith	759.0	754.4	0.0	0.0	514	34.4	0.0	18	0	35.4
Carpenter, Bruce	2419.0	1431.2	938.1	39.3	1794	0.0	0.0	0	0	71.1
Casey, Thomas	2728.4	1613.0	1046.0	69.4	1955	249.2	4.4	86	3	82.2
Cligrow, Douglas	1511.8	1101.7	331.3	71.9	1172	9.9	0.0	3	0	30.1
Cline, Scott	809.1	632.9	166.0	0.0	647	0.0	0.0	0	0	14.6
Daily, Duncan	2130.2	1200.9	900.8	19.3	1607	71.8	0.0	28	0	31.6
Davis, Brian	1677.9	1025.0	567.1	82.3	1099	268.1	4.1	65	3	34.3
Denezza, John	1792.3	1236.5	469.7	91.9	1330	15.3	6.9	9	5	90.2
Dimeff, Aric	1891.9	1060.2	695.2	31.3	1259	256.6	9.8	65	5	46.3
Green, Michael	1547.1	1239.2	302.3	0.0	1264	0.0	0.0	0	0	41.4
James, Barry	1570.7	1001.7	561.5	0.0	1226	12.2	0.0	4	0	44.4
Lay, Barry	563.1	232.9	326.0	0.0	458	0.0	0.0	0	0	41.4
Lohnes, Richard	1688.5	898.0	677.5	107.5	1351	37.7	4.3	17	3	46.3
Manifold, Matthew	2211.8	1319.1	857.0	12.3	1517	368.7	2.0	83	1	76.6
Massa, Anthony	377.2	236.1	132.8	0.0	305	0.0	0.0	0	0	29.3
Montecalvo, Anthony	2441.7	1487.9	835.5	93.7	1745	0.0	0.0	0	0	82.9
Moses, Timothy	1841.1	1209.9	612.7	0.0	1253	69.3	4.4	21	2	109.7
Roberts, Harry	2610.9	1093.2	1317.0	198.2	1956	16.6	0.0	6	0	72.6
Rudy, William	620.0	394.8	219.3	0.0	408	0.0	0.0	0	0	55.2
Schoettmer, John	1066.4	861.4	195.6	0.0	826	12.2	11.7	6	4	27.8
Schulz, Joseph	1370.4	655.6	711.9	0.0	1029	0.0	0.0	0	0	56.0
Simones, Donald	1821.5	792.3	884.6	143.3	1491	0.0	0.0	0	0	58.7
Smith, George	1533.9	648.1	819.1	50.4	1195	0.0	0.0	0	0	25.8
Thomas, Nathan	2469.7	1038.7	1421.9	2.8	1750	8.7	0.0	3	0	57.8
Thompson, John	2962.2	822.5	1808.3	331.4	2144	87.5	3.1	43	2	22.6
Wallace, Craig	1613.8	619.4	879.3	111.9	1232	32.9	7.5	14	5	21.9
Willis, Bernard	1442.2	851.9	584.7	0.0	1047	95.5	4.7	32	4	66.5
Unit Totals	46420.9	26085.7	18577.9	1456.9	34301	1646.6	62.9	503	37	1385.7
Unit Averages	1657.9	931.6	663.5	52.0	1225.0	58.8	2.2	18.0	1.3	49.5

6/25/2005 11:57 AM

Name	Career												
	Grand Total	Total	Primary	Instructor	Evaluator	# Sorties	Combat	Combat Supt	Combat Sotrie	Supt Sortie	NVG	Years of EXP	
Brown, Zane	2906.7	2731.7	2014.1	316.7	0.0	1706	0.0	0.0	0	0	13.0	20	
BuddeImeyer, Keith	1059.1	783.3	776.0	0.0	0.0	540	34.4	0.0	18	0	35.4	5	
Carpenter, Bruce	3079.0	2900.7	1557.8	1286.9	39.3	2316	0.0	0.0	0	0	71.1	20	
Casey, Thomas	3243.8	2767.4	1648.6	1046.0	69.4	1995	249.2	4.4	86	3	82.2	16	
Cigrow, Douglas	2114.2	1912.6	1498.7	331.3	71.9	1460	9.9	0.0	3	0	30.1	15	
Cline, Scott	2578.5	2385.9	1336.3	469.5	0.0	1448	0.0	0.0	0	0	14.6	15	
Daily, Duncan	3605.0	3435.4	2219.1	1074.2	19.3	2447	71.8	0.0	28	0	31.6	24	
Davis, Brian	1930.5	1737.4	1082.4	567.1	82.3	1156	268.1	4.1	65	3	34.3	13	
Denezza, John	2586.4	2392.2	1811.4	469.7	91.9	1777	15.3	6.9	9	5	90.2	17	
Dimeff, Aric	2146.9	1946.0	1112.8	695.2	31.3	1311	256.6	9.8	65	5	46.3	14	
Green, Michael	2626.0	1844.2	1532.9	302.3	0.0	1524	0.0	0.0	0	0	41.4	22	Navigator
James, Barry	2237.3	2043.2	1472.1	561.5	0.0	1572	12.2	0.0	4	0	44.4	17	
Lay, Barry	3408.5	3408.5	3078.3	326.0	0.0	458	0.0	0.0	0	0	41.4	17	Other Service Time
Lohnes, Richard	4628.4	4425.6	2543.9	1734.5	133.8	2618	37.7	9.0	17	5	46.3	29	
Manifold, Matthew	2451.1	2231.6	1338.9	857.0	12.3	1539	368.7	2.0	83	1	76.6	12	
Massa, Anthony	3048.3	2850.3	1392.1	1410.6	34.8	2259	64.2	0.0	14	0	40.8	15	
Montecalvo, Anthony	3138.2	2961.0	1741.3	835.5	93.7	1939	0.0	0.0	0	0	82.9	21	
Moses, Timothy	2077.9	1867.3	1235.5	612.7	0.0	1281	70.5	4.4	22	2	109.7	13	
Roberts, Harry	4572.8	4388.2	2167.8	2019.7	198.2	3276	16.6	0.0	6	0	72.6	22	
Rudy, William	3439.0	3439.0	3213.8	219.3	0.0	408	0.0	0.0	0	0	55.2	19	Other Service Time
Schoettmer, John	2055.9	2055.9	1850.9	195.6	0.0	911	12.2	11.7	6	4	27.8	20	
Schulz, Joseph	2649.7	2455.7	1604.5	834.5	0.0	1781	215.3	0.9	59	1	56.0	16	
Simones, Donald	3465.1	2601.0	1542.5	909.4	143.3	2052	0.0	7.7	0	5	58.7	18	
Smith, George	3048.9	2137.1	1251.3	819.1	50.4	1592	0.0	0.0	0	0	25.8	18	Navigator
Thomas, Nathan	2760.4	2505.8	1072.9	1421.9	2.8	1789	8.7	0.0	3	0	57.8	16	
Thompson, John	3174.2	2991.5	851.8	1808.3	331.4	2175	87.5	3.1	43	2	22.6	19	
Wallace, Craig	3601.1	3427.1	2032.6	1220.2	166.5	2419	32.9	19.3	14	14	21.9	25	
Willis, Bernard	1703.9	1509.3	901.2	584.7	0.0	1099	95.5	17.8	32	5	66.5	13	Other Service Time
Unit Totals	79336.8	72134.9	45881.5	22929.4	1572.6	46848	1927.3	101.1	577	55	1397.2	491	
Unit Averages	2833.5	2576.2	1638.6	818.9	56.2	1673.1	68.8	3.6	20.6	2.0	49.9	17.5	

F016											
Total	Primary	Instructor	Evaluator	# Sorties	Combat	Combat Supt	Combat Sotrie	Combat Supt Sortie	NVG	Grand Total	Total
949.1	627.2	316.7	0.0	727	0.0	0.0	0	0	13.0	2906.7	2731.7
2419.0	1431.2	938.1	39.3	1794	0.0	0.0	0	0	71.1	3079.0	2900.7
2728.4	1613.0	1046.0	69.4	1955	249.2	4.4	86	3	82.2	3243.8	2767.4
1511.8	1101.7	331.3	71.9	1172	9.9	0.0	3	0	30.1	2114.2	1912.6
809.1	632.9	166.0	0.0	647	0.0	0.0	0	0	14.6	2578.5	2385.9
2130.2	1200.9	900.8	19.3	1607	71.8	0.0	28	0	31.6	3605.0	3435.4
1677.9	1025.0	567.1	82.3	1099	268.1	4.1	65	3	34.3	1930.5	1737.4
1792.3	1236.5	469.7	91.9	1330	15.3	6.9	9	5	90.2	2586.4	2392.2
1891.9	1060.2	695.2	31.3	1259	256.6	9.8	65	5	46.3	2146.9	1946.0
1547.1	1239.2	302.3	0.0	1264	0.0	0.0	0	0	41.4	2626.0	1844.2
1570.7	1001.7	561.5	0.0	1226	12.2	0.0	4	0	44.4	2237.3	2043.2
563.1	232.9	326.0	0.0	458	0.0	0.0	0	0	41.4	3408.5	3408.5
1688.5	898.0	677.5	107.5	1351	37.7	4.3	17	3	46.3	4628.4	4425.6
2211.8	1319.1	857.0	12.3	1517	368.7	2.0	83	1	76.6	2451.1	2231.6
377.2	236.1	132.8	0.0	305	0.0	0.0	0	0	29.3	3048.3	2850.3
2441.7	1487.9	835.5	93.7	1745	0.0	0.0	0	0	82.9	3138.2	2961.0
1841.1	1209.9	612.7	0.0	1253	69.3	4.4	21	2	109.7	2077.9	1867.3
2610.9	1093.2	1317.0	198.2	1956	16.6	0.0	6	0	72.6	4572.8	4388.2
620.0	394.8	219.3	0.0	408	0.0	0.0	0	0	55.2	3439.0	3439.0
1066.4	861.4	195.6	0.0	826	12.2	11.7	6	4	27.8	2055.9	2055.9
1370.4	655.6	711.9	0.0	1029	0.0	0.0	0	0	56.0	2649.7	2455.7
1821.5	792.3	884.6	143.3	1491	0.0	0.0	0	0	58.7	3465.1	2601.0
1533.9	648.1	819.1	50.4	1195	0.0	0.0	0	0	25.8	3048.9	2137.1
2469.7	1038.7	1421.9	2.8	1750	8.7	0.0	3	0	57.8	2760.4	2505.8
2962.2	822.5	1808.3	331.4	2144	87.5	3.1	43	2	22.6	3174.2	2991.5
1613.8	619.4	879.3	111.9	1232	32.9	7.5	14	5	21.9	3601.1	3427.1
1442.2	851.9	584.7	0.0	1047	95.5	4.7	32	4	66.5	1703.9	1509.3

45661.9	25331.3	18577.9	1456.9	33787	1612.2	62.9	485	37	1350.3	78277.7	71351.6
1691.2	938.2	688.1	54.0	1251.4	59.7	2.3	18.0	1.4	50.0	2899.2	2642.7

Career										
Primary	Instructor	Evaluator	# Sorties	Combat	Combat Supt	Combat Sortie	Supt Sortie	NVG	Years of EXP	
2014.1	316.7	0.0	1706	0.0	0.0	0	0	13.0	20	
1557.8	1286.9	39.3	2316	0.0	0.0	0	0	71.1	20	
1648.6	1046.0	69.4	1995	249.2	4.4	86	3	82.2	16	
1498.7	331.3	71.9	1460	9.9	0.0	3	0	30.1	15	
1336.3	469.5	0.0	1448	0.0	0.0	0	0	14.6	15	
2219.1	1074.2	19.3	2447	71.8	0.0	28	0	31.6	24	
1082.4	567.1	82.3	1156	268.1	4.1	65	3	34.3	13	
1811.4	469.7	91.9	1777	15.3	6.9	9	5	90.2	17	
1112.8	695.2	31.3	1311	256.6	9.8	65	5	46.3	14	
1532.9	302.3	0.0	1524	0.0	0.0	0	0	41.4	22	Navigator
1472.1	561.5	0.0	1572	12.2	0.0	4	0	44.4	17	
3078.3	326.0	0.0	458	0.0	0.0	0	0	41.4	17	Other Service Time
2543.9	1734.5	133.8	2618	37.7	9.0	17	5	46.3	29	
1338.9	857.0	12.3	1539	368.7	2.0	83	1	76.6	12	
1392.1	1410.6	34.8	2259	64.2	0.0	14	0	40.8	15	
1741.3	835.5	93.7	1939	0.0	0.0	0	0	82.9	21	
1235.5	612.7	0.0	1281	70.5	4.4	22	2	109.7	13	
2167.8	2019.7	198.2	3276	16.6	0.0	6	0	72.6	22	
3213.8	219.3	0.0	408	0.0	0.0	0	0	55.2	19	Other Service Time
1850.9	195.6	0.0	911	12.2	11.7	6	4	27.8	20	
1604.5	834.5	0.0	1781	215.3	0.9	59	1	56.0	16	
1542.5	909.4	143.3	2052	0.0	7.7	0	5	58.7	18	
1251.3	819.1	50.4	1592	0.0	0.0	0	0	25.8	18	Navigator
1072.9	1421.9	2.8	1789	8.7	0.0	3	0	57.8	16	
851.8	1808.3	331.4	2175	87.5	3.1	43	2	22.6	19	
2032.6	1220.2	166.5	2419	32.9	19.3	14	14	21.9	25	
901.2	584.7	0.0	1099	95.5	17.8	32	5	66.5	13	Other Service Time
45105.5	22929.4	1572.6	46308	1892.9	101.1	559	55	1361.8	486	
1670.6	849.2	58.2	1715.1	70.1	3.7	20.7	2.0	50.4	18.0	

# Reference

## Slide #53

**Lohnes Richard Col 178FW/CC 346-2155**

**From:** Lay Jeffery E Lt Col 178FW/XP 346-2129  
**Sent:** Wednesday, May 25, 2005 3:27 PM  
**To:** Lohnes Richard Col 178FW/CC 346-2155  
**Cc:** Roberts Mike Col 178FW/CV 346-2237  
**Subject:** ASA Notes  
**Sensitivity:** Personal

**Sir,**

**The ASA pursuit produced the following current status to date:**

- 1. We requested 5 aircraft sit alert for up to 30 days with 2 x 2 x G live.**
- 2. We requested courtesy storage of 12 AIM120C x 12 AIM9M x 3000 HEI.**
- 3. We requested operations for 24/7 alert personnel.**

**Mr. Pete Jacques at FFO confirmed the following:**

- 1. We would most likely be staged operationally out of the old 944 spaces.**
- 2. We would be given exclusive tenant rites.**
- 3. We would likely park on the hot pads until a safety survey could be conducted to explore blast patterns if parked in front of the old 944 spaces... they needed to explore where the funds for such a survey would come from, and specifically stated they would look to the ANG to fund the request.**
- 4. Parking on the hot pads displaces real world airlift operations ISO GWOT.**

**SMSGT Ryan Henry, 127MXS Munitions Flight Chief, Selfridge ANGB confirmed:**

- 1. We could truck / fetch / load munitions as required to support this mission.**
- 2. They have standing agreements with the 180MXS, which we could / would duplicate.**

**I contacted NORAD, et al, and pinpointed operational specifics on tasking, etc.**

**MSF has a plan to put folks on Title 10 when the shooting begins.**

**Diver did all the research on finding the necessary instructions applicable to the operations side of the mission.**

**Walt looked at all aspects of the maintenance side of the equation.**

**All agreed that we could do it out of trailers if necessary, but FFO confirmed that would not be necessary / they would support us. They're only concerns were:**

5/25/2005



# Reference

## Slide #59

**TRAINING REAL ESTATE**

<b>Unit</b>	<b>Location</b>	<b>Seating Capacity</b>
178 MSF	Bldg 118 Testing room	22
178 OG	Bldg 146 Auditorium	100
178 SFS	Bldg 131 Room 127/128	42
178 CF	Bldg 122 CF Computer Training Room	10
269 CBCS	Bldg 109 Classrooms	100
178 CES	Bldg 151 CES Classroom	65
178 CES	Bldg 151 CES Readiness Classroom	55
178 LRS	Bldg 150 LRS Training Room	64
178 FW	Bldg 122 HC Chapel	30
178 CEF	Bldg 153 CEF Classroom	25
178 LRS	Bldg 107 Transportation Classroom	25
178 MDG	Bldg 147 MDG Classroom	30
178 OG	Bldg 146 OG Classroom	18
178 MXG	Bldg 101 MXG Classroom	70



# Reference

## Slide #64

**Expedient Structural Evaluation Report  
 SPRINGFIELD-BECKLEY MUNICIPAL AIRPORT, OHIO  
 AIRFIELD PAVEMENT SUMMARY  
 14 JUNE 2004**

**SUMMARY**

At the request of OHANG 178<sup>th</sup> Fighter Wing, members from the ANG/CECC Pavement Maintenance Management Team conducted an expedient airfield pavement evaluation at Springfield-Beckley Municipal Airport, Ohio, on 14 June 2004. The purpose of the evaluation was to determine the structural capacity of the airfield. Available reports and data consisted of a 2003 ANG/CECC Pavement Condition Survey, a 1991 AFCEA Airfield Pavement Evaluation and as-builts of the airfield pavement. Dynamic Cone Penetrometer (DCP) tests were conducted throughout the airfield. These test locations are shown on the airfield layout included on page [redacted] in this report. DCP test results along with other referenced data were used to calculate the Allowable Passes or Allowable Gross Loads (AGLs) and Pavement Classification Numbers (PCNs) in this report.

**CONCLUSIONS**

The reported PCNs for the airfield are as follows:

FEATURE	PCN*	ALLOWABLE PASSES	
		C-17**	F-16***
RUNWAY	60RBWT	631,241	No Limit
OLD APRON - WEST	49RCWT	19,838	No Limit
OLD APRON - EAST	39RBWT	3,729	38,931,507
NEW APRON	63RCWT	338,579	No Limit
TIGER RAMP	74RBWT	15,352,599	No Limit
RAIDER RAMP	106RAWT	No Limit	No Limit
TWY A	67FCWT	43,228	No Limit
TWY A - WIDENED	41FCWT	757	No Limit
TWY G	55FCWT	5,148	No Limit

\*based on the AF standard of 50,000 passes of a C-17 weighing 585,000 lbs.

\*\*number of passes at maximum weight of 585,000 lbs before 100% of the pavement design life is used.

\*\*\*number of passes at maximum weight of 37,500 lbs before 100% of the pavement design life is used.

AGL's for all pavement features can be found in Appendix D.

PCN's for all pavement features can be found in Appendix E.

## **1. Structural Capacity:**

**Runway 06/24:** This primary runway was found to be of adequate strength and capable of supporting currently assigned F-16 aircraft at Springfield-Beckley Municipal Airport. For occasional (less than 500 passes) heavy traffic, no limitations are necessary. See Appendix D for AGLs at given pass intensity levels. The standard PCN published in NGA references for U S Air Force airfields is based on the most restrictive primary runway feature and C-17 aircraft at 50,000 passes.

For Springfield-Beckley Municipal Airport, the recommended PCN for publication is

**Runway 06/24: 60/R/B/W/T.**

**Taxiways and Aprons:** For the vast majority, the taxiways and aprons are likewise structurally adequate for assigned F-16 aircraft, but several present potential limitations for heavier aircraft at greater than occasional pass intensity levels. For example, the widened portion of Taxiway A in the vicinity of the fire station was found to be structurally deficient for C-17 aircraft. Other locations within this same pavement feature were found to be adequate. The weakest result from this feature was reported above. See Appendix D for a summary of AGL's for all taxiway and apron features investigated.

## **2. Surface Condition:**

In April 2003, ANG/CECC published *AIRFIELD PAVEMENT CONDITION REPORT And Pavement Maintenance Plan* for the airfield pavements owned by the 178<sup>th</sup> Fighter Wing at Springfield-Beckley Municipal Airport. The 2003 report did not include the runway or majority of the taxiways on the airfield. The new ANG apron and Raider Ramp were not evaluated at that time due to on-going construction projects. Refer to that report for detailed information regarding the PCI for the ANG-owned pavements.

## **RECOMMENDATIONS**

The airfield pavements at Springfield-Beckley Municipal Airport are capable of supporting the currently assigned F-16 aircraft. No major repairs are required. Passes and allowable loads should be reduced on some airfield features for heavier aircraft. See Appendix D for details. See the April 2003 *AIRFIELD PAVEMENT CONDITION REPORT And Pavement Maintenance Plan* for specific maintenance recommendations.

# 178<sup>th</sup> Fighter Wing Apron and Arm/Dearm Pavement Classification Number (PCN)

PREPARED FOR: Norb Schertzer/CH2M HILL

PREPARED BY: Bill VanHercke/CH2M HILL

COPIES:

DATE:

In accordance with the FAA AC 150/5335-5, dated 03/06/87, a pavement condition classification number was developed for the Aircraft Parking Apron and Arm/Dearm pavement at the Ohio ANG, 178<sup>th</sup> Fighter Wing at Springfield-Beckley Municipal Airport. As is described in the referenced AC, the PCN provides a standard method in establishing pavement strength. This standard is used internationally as member countries of ICAO are required to adopt this method of classification.

## Aircraft Parking Apron and Arm/Dearm Pad

The PCN for any pavement is reported by a code consisting of five elements: PCN Numerical Value, Pavement Type, Subgrade Strength, Tire Pressure, and Evaluation Method. The PCN for the Aircraft Parking Apron and Arm/Dearm pavements is:

66/R/C/W/T

Where:

- 66 = PCN value which expresses the relative load carrying capacity of a pavement.
- R = Rigid Pavement Designation
- C = Subgrade Strength Categories (as defined in Table 2-1 of the above referenced FAA AC).
- W = Allowable Tire Pressure Categories (as defined in Table 2-3 of the above referenced FAA AC).
- T = Pavement Strength Evaluation Method

The above PCN was determined in accordance with the above referenced FAA AC as follows:

1. "66" equals the standard single wheel loading carrying capacity and is based on the critical aircraft design load, using Figure 2-6 from FAA AC 150/5335-5. It has been determined that the critical aircraft is the C-17 aircraft, having a dual tandem axle load of 331,400 pounds at minimum take off weight. The C-17 was used at 100 passes during initial pavement design investigations. The Apron and arm/dearm pavements were

constructed at a pavement section of 11-inch PCC, 6-inch drainable base, and 12-inch concrete stabilized sub-base.

2. "R" equals rigid pavement.
3. The "C" designation indicates a subgrade modulus (k-value) of between 100 and 200 pci (125 pci used in the pavement design analysis). It has been assumed that the subgrade strength of the pavements is the same for the Arm/Dearm pads and Aircraft Parking Apron, as the lowest value was used.
4. The "W" designation in the above PCN indicates the High Allowable Tire Pressure for a rigid pavement section versus "X", "Y", or "Z" designation for a flexible pavement section.
5. The "T" designation of the PCN indicates that the pavement carrying capacity has been determined using technical analysis, versus the "U" designation which means that the PCN was determined by selecting the highest aircraft classification number (ACN) among the aircraft currently using the facility and not causing pavement distress.

# Reference

## Slide #69, 70

**Lohnes Richard L Col 178FW/CC 346-2155**

**From:** Mann Anne MSgt 178MOF/MXOP 346-2250  
**Sent:** Friday, June 10, 2005 7:58 AM  
**To:** Walker Stephen Col 178MXG/CC 346-2245; Lohnes Richard L Col 178FW/CC 346-2155  
**Subject:** Guardian and Merlin Sortie UTE rate information

Guardian information From May 04 – Apr 05 (past 12 months)

12  
 Month  
 Sortie UTE Rate *BLK*

Avg	Unit	TAI	PAA	BAI	Geographic Location
15.49%	178FW 30	20	18	2	SPRGFLD BK APRT OH(TF)
15.48%	140WG 30	17	15	2	BUCKLEY ANGB CO
14.65%	122FW 25	17	15	2	FORT WAYNE IN
12.33%	180FW 47	17	15	2	TOLEDO EXPRESS APRT OH
12.20%	132FW 42	17	15	2	DES MOINES IAP IA

ANG F-16C/D overall average for the same time frame = 13.41%

\*Guardian formula Total Sorties Flown/Avg No. of Possessed Aircraft = Sortie UTE Rate

- Merlin information from May 04 – Apr 05 (past 12 months)

Active Duty Air Force F-16C/D block 30 Sortie UTE Rate = 15.58%

Air Force Reserve F-16C/D block 30 Sortie UTE Rate = 15.27%

\*Merlin formula Total Sorties Flown/Avg No. of Possessed Aircraft = Sortie UTE Rate

Raw data attached

15.58 USAF *BLK* 30  
 • 2.5 shifts maintenance Personnel

MDS	UNIT	Metric	FY2001	FY2002	FY2003	FY2004	FY2005 t
F-16C/D	149FW	Maint Cancels	0	59	65	25	5
	178FW	Maint Cancels	8	31	70	55	14
	149FW	Pilot Reported Discrepancy	209	1,430	1,265	1,192	1,046
	178FW	Pilot Reported Discrepancy	616	886	926	1,024	568
	149FW	Sorties Flown	2,996	3,300	3,054	3,231	2,287
	178FW	Sorties Flown	3,407	3,488	3,397	3,403	2,036
	149FW	Avg No. of Possessed Acft	18.68	19.84	19.25	19.08	19.21
	178FW	Avg No. of Possessed Acft	17.86	18.91	19.14	18.57	18.62
	149FW	Cann Rate Per 100 Sorties	1.80%	9.40%	8.50%	7.60%	7.20%
	178FW	Cann Rate Per 100 Sorties	4.80%	7.10%	6.70%	7.10%	4.70%
	149FW	Code-3 Break Rate	0.50%	9.20%	11.90%	8.00%	9.30%
	178FW	Code-3 Break Rate	6.70%	7.70%	7.70%	7.80%	6.80%
	149FW	FMC Rate	56.00%	57.00%	56.00%	58.20%	44.60%
	178FW	FMC Rate	73.10%	70.70%	61.60%	57.50%	62.90%
	149FW	Ground Abort Rate	1.20%	6.70%	5.90%	4.80%	5.10%
	178FW	Ground Abort Rate	3.10%	5.00%	4.40%	4.40%	4.30%
	149FW	MC Rate	70.40%	68.10%	70.50%	70.70%	69.30%
	178FW	MC Rate	74.40%	71.40%	65.00%	64.00%	72.70%
	149FW	Monthly Attrition Rate	0.00%	8.10%	12.10%	9.20%	9.00%
	178FW	Monthly Attrition Rate	13.20%	10.80%	19.80%	14.00%	22.10%
	149FW	Repeat Rate	1.90%	3.10%	2.50%	2.50%	2.90%
	178FW	Repeat Rate	6.20%	3.60%	5.10%	4.60%	3.00%
	149FW	Sortie UTE Rate	13.40%	13.90%	13.20%	14.10%	14.90%
	178FW	Sortie UTE Rate	15.90%	15.40%	14.80%	15.30%	14.75%

Data from Guardian

MDS	UNIT	Metric	FY2001	FY2002	FY2003	FY2004	FY2005 t
	149FW	Sortie UTE Rate	13.40%	13.90%	13.20%	14.10%	14.90%
	178FW	Sortie UTE Rate	15.90%	15.40%	14.80%	15.30%	14.75%
	149FW	Sorties Flown	2,996	3,300	3,054	3,231	2,287
	178FW	Sorties Flown	3,407	3,488	3,397	3,403	2,036

Average Possessed Aircraft data check

F-16C/D	UNIT	Metric	20.3	19.3	19.6	19.6
F-16C/D	149FW	Avg No. of	20.3	19.3	19.6	19.6
F-16C/D	178FW	Avg No. of	19.2	17.2	17.6	17.6

MDS	UNIT	Metric	Oct-03	Nov-03	Dec-03	Jan-04
F-16C/D	149FW	Avg No. of	19.6	18.6	19	19.3
F-16C/D	178FW	Avg No. of	19.6	18.5	18.6	19.4

MDS	UNIT	Metric	Oct-02	Nov-02	Dec-02	Jan-03
F-16C/D	149FW	Avg No. of	19.6	18.7	19.6	19.6
F-16C/D	178FW	Avg No. of	19.7	19.9	20.7	20.1

<b>MDS</b>	<b>UNIT</b>	<b>Metric</b>	<b>Oct-01</b>	<b>Nov-01</b>	<b>Dec-01</b>	<b>Jan-02</b>
F-16C/D	149FW	Avg No. of	19.1	19	19.7	20.6
F-16C/D	178FW	<b>Avg No. of</b>	19.8	19.4	19.2	18.9

<b>MDS</b>	<b>UNIT</b>	<b>Metric</b>	<b>Oct-00</b>	<b>Nov-00</b>	<b>Dec-00</b>	<b>Jan-01</b>
F-16C/D	149FW	Avg No. of	17.3	18.1	19.6	19
F-16C/D	<b>178FW</b>	<b>Avg No. of</b>	<b>16.5</b>	<b>16</b>	<b>16.1</b>	<b>16.4</b>

**Lohnes Richard L Col 178FW/CC 346-2155**

**From:** Mann Anne MSgt 178MOF/MXOP 346-2250  
**Sent:** Friday, June 10, 2005 9:14 AM  
**To:** Lohnes Richard L Col 178FW/CC 346-2155  
**Cc:** Walker Stephen Col 178MXG/CC 346-2245  
**Subject:** 149FW and 178FW past info (more research to come)

Data from Guardian (Please see expanded comparison data attached):

UNIT	Metric	FY2001	FY2002	FY2003	FY2004	FY2005 to date
149FW	Sortie UTE Rate	13.40%	13.90%	13.20%	14.10%	14.90%
178FW	Sortie UTE Rate	15.90%	15.40%	14.80%	15.30%	14.75%
149FW	Sorties Flown	2,996	3,300	3,054	3,231	2,287
178FW	Sorties Flown	3,407	3,488	3,397	3,403	2,036

I double checked, this is correct.  
 They show **4384 hours**  
 allocated for FY 05. We have  
**4201.**

6/10/2005

**Lohnes Richard L Col 178FW/CC 346-2155**

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**From:** Feucht, Harry W Maj Gen NGOH [harry.feucht@oh.ngb.army.mil]  
**Sent:** Friday, June 10, 2005 7:35 AM  
**To:** LOHNES, Richard Col  
**Subject:** Briefing

MG Wayt would like slides that show BRAC question # to say what the question was so analyst doesn't have to look it up. More comparison with 149th stats. Will probably need your updated brief Sunday morning so he can approve it before he goes TDY Sunday evening. Good luck, aj

178 <sup>461</sup>

149 <sup>46</sup>

FY 02/03/04

Sortis

WTE

**Lohnes Richard L Col 178FW/CC 346-2155**

**From:** Mann Anne MSgt 178MOF/MXOP 346-2250  
**Sent:** Friday, June 10, 2005 10:19 AM  
**To:** Lohnes Richard L Col 178FW/CC 346-2155  
**Subject:** Past 12 months Sortie UTE rate averages

I had to use May 04- Apr 05 because some Units didn't have their May 05 in the Guardian yet.

**12 Month  
Sortie UTE**

<b>Rate Avg</b>	<b>Unit</b>	<b>Geographic Location</b>	<b>TAI</b>	<b>PAA</b>	<b>BAI</b>
15.49%	178FW	SPRGFLD BK APRT OH(TF)	20	18	2
15.48%	140WG	BUCKLEY ANGB CO	17	15	2
14.65%	122FW	FORT WAYNE IN	17	15	2
14.44%	149FW	KELLY AFB TX (TF)	20	18	2
12.33%	180FW	TOLEDO EXPRESS APRT OH	17	15	2
12.20%	132FW	DES MOINES IAP IA	17	15	2

6/10/2005

**Lohnes Richard L Col 178FW/CC 346-2155**

**From:** Mann Anne MSgt 178MOF/MXOP 346-2250  
**Sent:** Friday, June 10, 2005 9:59 AM  
**To:** Lohnes Richard L Col 178FW/CC 346-2155  
**Cc:** Walker Stephen Col 178MXG/CC 346-2245  
**Subject:** RE: 149FW and 178FW past info (more research to come)

Unit	MDS	Metric	FY2001	FY2002	FY2003	FY2004
122FW	F-16C/D	Sorties Flown	2,501	2,682	2,687	2,431
132FW	F-16C/D	Sorties Flown	2,272	2,421	<del>2,100</del>	2,499
140WG	F-16C/D	Sorties Flown	2,605	3,046	3,092	2,816
149FW	F-16C/D	Sorties Flown	2,996	3,300	3,054	3,231
178FW	F-16C/D	Sorties Flown	3,407	3,488	3,397	3,403
180FW	F-16C/D	Sorties Flown	2,267	2,307	2,732	2,497

The 132FW that says n/a for FY03 means they did not input their data for that entire year. We have a good contact there (Craig Herrick), and I will see what I can do for that number. Good call for data!

-----Original Message-----

**From:** Lohnes Richard L Col 178FW/CC 346-2155  
**Sent:** Friday, June 10, 2005 9:44 AM  
**To:** Mann Anne MSgt 178MOF/MXOP 346-2250  
**Subject:** RE: 149FW and 178FW past info (more research to come)

GOOD STUFF—I NEED SOTIE TOTALS FY 2001-2004 FOR 149<sup>TH</sup>, 178, 140, 122, 180, 132.

TX

RLL

THEN I'M ABOUT DONE.

RICHARD L. LOHNES, COL, OHANG  
 178th Fighter Wing Commander  
 Comm: (937) 327-2178  
 DSN: 346-2178

-----Original Message-----

**From:** Mann Anne MSgt 178MOF/MXOP 346-2250  
**Sent:** Friday, June 10, 2005 9:14 AM  
**To:** Lohnes Richard L Col 178FW/CC 346-2155  
**Cc:** Walker Stephen Col 178MXG/CC 346-2245  
**Subject:** 149FW and 178FW past info (more research to come)

Data from Guardian (Please see expanded comparison data attached):

UNIT	Metric	FY2001	FY2002	FY2003	FY2004	FY200
149FW	Sortie UTE Rate	13.40%	13.90%	13.20%	14.10%	
178FW	Sortie UTE Rate	15.90%	15.40%	14.80%	15.30%	
149FW	Sorties Flown	2,996	3,300	3,054	3,231	

6/10/2005

**Lohnes Richard L Col 178FW/CC 346-2155**

**From:** Mann Anne MSgt 178MOF/MXOP 346-2250  
**Sent:** Friday, June 10, 2005 9:59 AM  
**To:** Lohnes Richard L Col 178FW/CC 346-2155  
**Cc:** Walker Stephen Col 178MXG/CC 346-2245  
**Subject:** RE: 149FW and 178FW past info (more research to come)

Unit	MDS	Metric	FY2001	FY2002	FY2003	FY2004
122FW	F-16C/D	Sorties Flown	2,501	2,682	2,687	2,431
132FW	F-16C/D	Sorties Flown	2,272	2,421	n/a	2,499
140WG	F-16C/D	Sorties Flown	2,605	3,046	3,092	2,816
149FW	F-16C/D	Sorties Flown	2,996	3,300	3,054	3,231
178FW	F-16C/D	Sorties Flown	3,407	3,488	3,397	3,403
180FW	F-16C/D	Sorties Flown	2,267	2,307	2,732	2,497

The 132FW that says n/a for FY03 means they did not input their data for that entire year. We have a good contact there (Craig Herrick), and I will see what I can do for that number. Good call for data!

-----Original Message-----

**From:** Lohnes Richard L Col 178FW/CC 346-2155  
**Sent:** Friday, June 10, 2005 9:44 AM  
**To:** Mann Anne MSgt 178MOF/MXOP 346-2250  
**Subject:** RE: 149FW and 178FW past info (more research to come)

GOOD STUFF—I NEED SOTIE TOTALS FY 2001-2004 FOR 149<sup>TH</sup>,178,140,122,180,132.

TX

RLL

THEN I'M ABOUT DONE.

RICHARD L. LOHNES, COL, OHANG  
 178th Fighter Wing Commander  
 Comm: (937) 327-2178  
 DSN: 346-2178

-----Original Message-----

**From:** Mann Anne MSgt 178MOF/MXOP 346-2250  
**Sent:** Friday, June 10, 2005 9:14 AM  
**To:** Lohnes Richard L Col 178FW/CC 346-2155  
**Cc:** Walker Stephen Col 178MXG/CC 346-2245  
**Subject:** 149FW and 178FW past info (more research to come)

Data from Guardian (Please see expanded comparison data attached):

UNIT	Metric	FY2001	FY2002	FY2003	FY2004	FY200
149FW	Sortie UTE Rate	13.40%	13.90%	13.20%	14.10%	
178FW	Sortie UTE Rate	15.90%	15.40%	14.80%	15.30%	
149FW	Sorties Flown	2,996	3,300	3,054	3,231	

6/10/2005

178FW	Sorties Flown	3,407	3,488	3,397	3,403
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I double checked, this is correct.  
They show

4384 hours  
allocated for FY 05. We have  
4201.

6/10/2005

# Reference

## Slide #71

# Master Plan Update Ohio Air National Guard

Seventh Annual  
Mid-Year Report

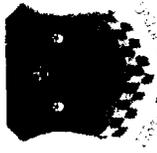
Wilmington, Ohio

December



WOOLPERT

FIGURE 1-6

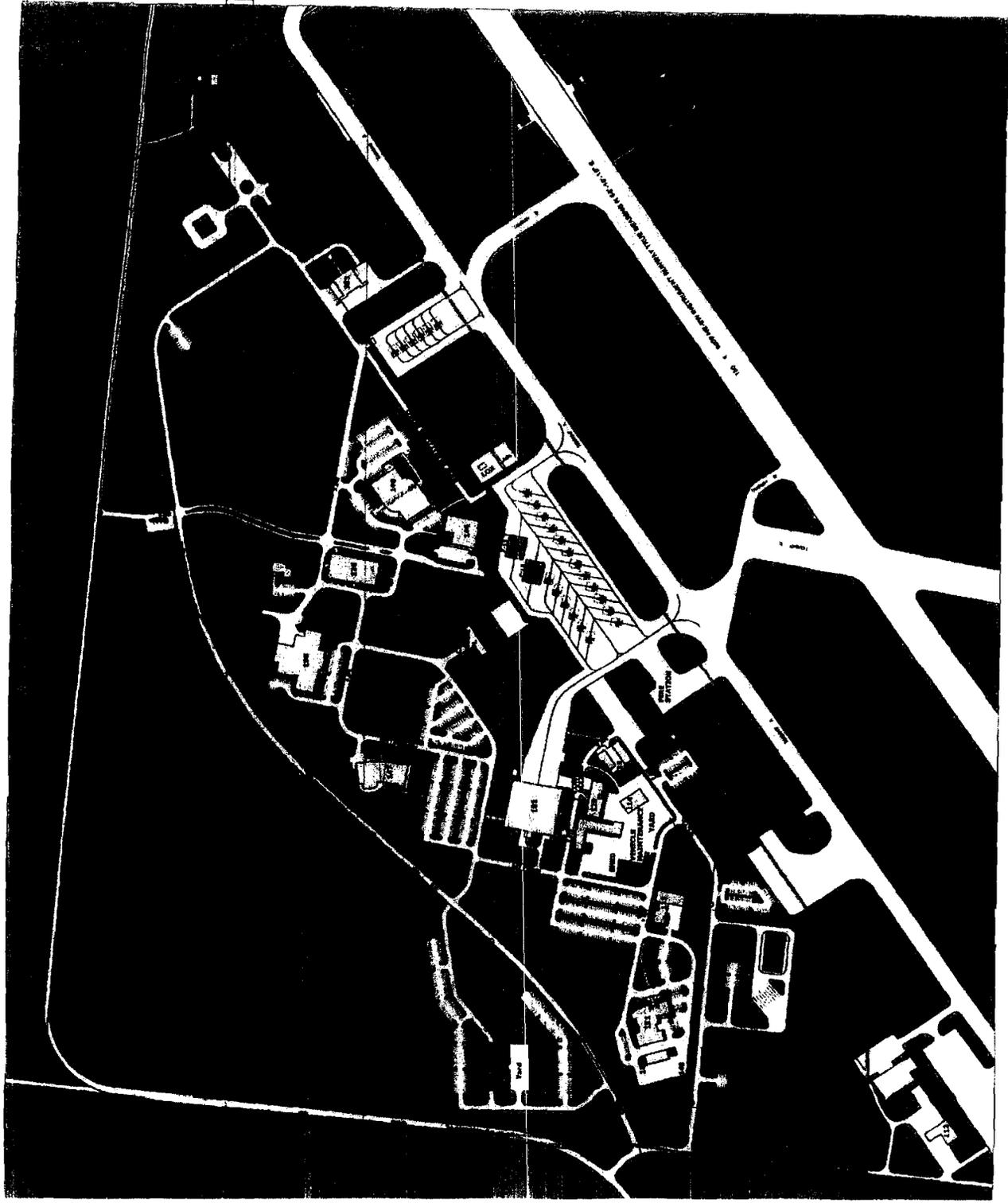


# SHORT-RANGE DEVELOPMENT PLAN

Ohio Air National Guard  
Springfield-Beckley Municipal Airport  
Springfield, Ohio

## LEGEND

- Existing Facilities
- Short-Range Development



Graphic Scale in Feet



Table 1-1. Short-Range Project List.

Order of Accomplishment			Description	Scope	Unit
General Order	Special Order	Land Acquisition			
1			<b>Construct Fire Station (130-142)</b> Demolish Building 130 (Existing Fire Station) Construct apron, taxiway access road	19,000 6,731 5,222	SF SF SY
2			<b>Construct Aircraft Shelters</b>	2	EA
3		LA #1	<b>Construct Air Traffic Control Tower (149-962)</b> Demolish Building 111 (Existing ATCT)	5,800 1,872	SF SF
4	1a, 5b		<b>Construct Munitions Complex</b> Construct Conventional Munitions Shop (216-642) Construct Segregated Magazine Storage (422-258) Construct Igloo Storage (422-264) Construct Munitions Administration Building Construct Munitions Access Roadway Construct Munitions Access Road to Ramp Demolish Buildings 132, 143, and 160 (Existing Munitions Complex)	12,100 2,200 3,600 2,000 2,025 760 7,720	SF SF SF SF LF LF SF
5			<b>Construct Headquarters Facility</b> Reserve Forces Operations and Training (Wing Headquarters)(171-445) Communications and Information Management (131-111) Audio/Visual Services (141-743) Demolish Buildings 104, 116, 122 (Existing Reserve Forces Operations and Training)	32,100 18,000 10,600 3,500 16,096	SF SF SF SF SF
6	2a, 3b, 4b	LA #2	<b>Construct 251st CCG/269th CCS Complex</b> Construct Reserve Forces Communications and Electronics Training (269th CCS HQ) Construct Storage Shed Construct Maintenance Shed Construct Communications Power Pad Demolish Buildings 109, 121, and 133 (Existing 251/269 Facilities)	21,120 20,000 17,500 10,000 29,147	SF SF SF SF SF
7			<b>Relocate State Route 794</b> Relocate Gatehouses Reuse Existing Road for Cross-Base Roadway	7,850	LF
8			<b>Construct Fuel Cell/Corrosion Control Facility</b> Fuel Cell (211-179) Corrosion Control (211-159) Demolish Building 129 (Existing Fuel Cell/Corrosion Control)	34,000 17,000 17,000 9,327	SF SF SF SF

Table 1-1. Short-Range Project List. Continued

Order of Accomplishment			Description	Scope	Unit
General Order	Special Order	Land Acquisition			
9			<b>Construct POL Operations Complex</b>		
			Construct POL Operations Facility (121-111)	3,000	SF
			Construct Jet Fuel Storage (124-135)	2,400	BBL
			Construct Loading/Unloading Stands	2	EA
			Construct Refueler Vehicle Parking (852-269)	1,572	SY
			Demolish Buildings 106 and 113, and Existing POL Facilities	2,040	SF
10			<b>Construct Vehicle Operations Parking Shed (214-428)</b>	8,500	SF
			(Demolish Building 114 (Gym))	6,000	SF
11	3a		Construct Base Civil Engineering Open Storage (219-946)	8,500	SF
12			<b>Construct Deployment Processing Center (141-786)</b>	8,000	SF

Source: Woolpert LLP, 2003

FIGURE 1-7



# LONG-RANGE DEVELOPMENT PLAN

Ohio Air National Guard  
Springfield-Beckley Municipal Airport  
Springfield, Ohio

## LEGEND

-  Existing Facilities
-  Short-Range Development
-  Long-Range Development



**Table 1-2. Long-Range Project List**

Order of Accomplishment			Description	Scope	Unit
General Order	Special Order	Land Acquisition			
12	2b, 4a		<b>Construct Avionics/Weapons Release and AGE Facility</b>	<b>27,850</b>	<b>SF</b>
			Avionics (217-712)	16,000	SF
			Weapons Release (215-552)	11,850	SF
			Demolish Building 128 (Existing Avionics Facility)	22,591	SF
			Demolish Building 119 (AGE)	5,730	SF
13	1b, 5a, 6b		<b>Construct Jet Engine Inspection/Maintenance Shop (211-157)</b>	<b>16,000</b>	<b>SF</b>
			Demolish Building 144 (Existing Engine Shop)	12,000	SF
14			<b>Construct Aircraft Maintenance Complex</b>	<b>54,520</b>	<b>SF</b>
			Hangar (211-111)	28,000	SF
			General Purpose Shops (211-152)	18,600	SF
			Organization Maintenance Shops (211-154)	7,920	SF
			Demolish Building 101 (Existing Maintenance Hangar)	62,769	SF
15	7a		<b>ADAL Vehicle Maintenance Complex</b>		
			Construct Vehicle Maintenance Shop (214-425)	8,600	SF
			Construct Vehicle Operations Parking Shed (214-428)	6,000	SF
			ADAL Building 107 (Existing Vehicle Maintenance Shop)	9,706	SF
16		LA #3	<b>Construct Army Guard/Reserve Armory Facility</b>	<b>20</b>	<b>AC</b>
17			<b>Construct Aircraft Shelters</b>	<b>4</b>	<b>EA</b>

Source: Woolpert LLP, 2003

**Table 1-1. Short-Range Project List**

General Order	Project Number	Description	Scope	Cost (\$Millions)
1	WAAR 019180	Construct Fire Station	19,000 SF	\$5.5
2	WAAR 039118	Construct Aircraft Shelters	2 ea	\$1.5
3	WAAR 979768	Construct Air Traffic Control Tower	5,800 SF	\$8.0
4	WAAR 889650	Construct Munitions Complex	12,100 SF	\$5.7
5	WAAR 979766	Construct Headquarters Facility	32,100 SF	\$8.1
6	WAAR 009098	Construct 251st CCG/269th CCS Complex	58,620 SF	\$5.5
7	TBD	Relocate State Route 794	7,850 LF	\$2.0
8	TBD	Construct Fuel Cell/Corrosion Control Facility	34,000 SF	\$7.0
9	WAAR 889644	Construct POL Operations Complex	2,400 BBL	\$5.0
10	TBD	Construct Vehicle Operations Parking Shed	8,500 SF	\$1.5
11	TBD	Construct Base Civil Engineering Open Storage Shed	8,500 SF	\$1.5
12	TBD	Construct Deployment Processing Center	8,000 SF	\$1.3
			<b>TOTAL</b>	<b>\$52.6</b>

**Table 1-2. Long-Range Project List**

General Order	Project Number	Description	Scope	Cost (\$Millions)
12	WAAR 009111	Construct Avionics/Weapons Release and ASE	27,850 SF	\$4.0
13	TBD	Construct Jet Engine Inspection/Maintenance Shop	16,000 SF	\$3.5
14	WAAR 009110	Construct Aircraft Maintenance Shop	54,520 SF	\$10.0
15	TBD	Addition/Alteration Vehicle Maintenance Shop	8,600	\$3.0
16	TBD	Construct Army Guard/Reserve Armory Facility	TBD	\$9.0
17	WAAR 039118B	Construct Aircraft Shelters	4 ea.	\$2.3
			<b>TOTAL</b>	<b>\$31.8</b>

# Reference

## Slide #73

REPORT DATE: 05/15/2015 20:55

CIVILIAN PAY ACCOUNTING INTERFACE SYSTEM

RCS DD-COMP(AR)1092

REPORT TYPE:

CIVILIAN MANPOWER AND FUNDING REPORT

MONTH ENDING 05 MAY

OAC 41 OASDI 503000 FUND CODE 58 OBAN/ASN H3

BA	PEC	QU ID	DESCRIPTION	EEIC	GEN SCH	WAGE EMP	GEN MGR	SES	NON-US DIRECT	NON-US INDIRECT	NON CHARGE	OTHER	TOTAL
			LUMP SUM LV PAY	396	26,552	26,490							53,042
			PERS	393	532,131	853,124							1,385,255
			THRIFT SAV PLAN	393	157,947	264,607							422,554
			FEHB PREMIUMS	393	4,135	6,285							10,420
			MEDICARE-CSR	393	70,784	100,311							171,095
			FED HEALTH BEN	393	377,343	690,876							1,068,219
			FEGLI	393	6,714	10,917							17,631
			CIVIL SVC RETIRE	393	65,381	54,988							120,369
			OASDI	393	253,497	384,171							637,668
			TOTAL EMPLOYEES		141	209							350
			MAN YEARS		134.78								219.50
			BASIC AVG SAL		52,957.31								55,010.27
			OVERALL AVERAGE		53,665.16								55,874.12
			<b>TOTAL</b>		<b>71,214.34</b>								<b>73,456.90</b>

**Lohnes Richard Col 178FW/CC 346-2155**

**From:** Schulz Joseph Maj 162FS/DOS 346-2324  
**Sent:** Friday, May 20, 2005 11:58 AM  
**To:** Lohnes Richard Col 178FW/CC 346-2155  
**Cc:** Carpenter Scott S Lt Col 162FS/ADO 346-2252  
**Subject:** 3-yr PFT Plan  
**Sensitivity:** Personal

Col Lohnes,

Ref your request for PFT info –

The PFT plan goes for 3 years. The table below is what we are signed up for through FY 08. The meeting for the next 3 years (FY 07-09) will probably be in December.

Below the chart is a link to the web page that shows the F-16 training requirements, allocations and shortfalls.

FY06		Springfield			
CLASS	COURSE	STUDS	CSD	SFD	CGD
06A1S	TX1	10	24-Oct-05	21-Nov-05	28-Apr-06
06AQS	SOC 1B	6	6-Mar-06	16-Mar-06	29-Mar-06
06ABS	B	12	3-Apr-06	1-May-06	8-Dec-06
06BQS	SOC 1B	4	29-May-06	8-Jun-06	21-Jun-06

FY07		Springfield			
CLASS	COURSE	STUDS	CSD	SFD	CGD
07A1S	TX1	8	8-Nov-06	11-Dec-06	18-May-07
07AIS	Ops IP	1	4-Dec-06	11-Dec-06	9-Mar-07
07BIS	Ops IP	2	5-Mar-07	12-Mar-07	8-Jun-07
07AQS	SOC 1B	6	19-Mar-07	2-Apr-07	13-Apr-07
07ABS	B	12	23-Apr-07	21-May-07	28-Dec-07
07BQS	SOC 1B	4	18-Jun-07	9-Jul-07	20-Jul-07

FY08		Springfield			
CLASS	COURSE	STUDS	CSD	SFD	CGD
08A1S	TX1	8	28-Nov-07	2-Jan-08	6-Jun-08
08AIS	Ops IP	1	20-Dec-07	2-Jan-08	21-Mar-08
08BIS	Ops IP	2	17-Mar-08	24-Mar-08	13-Jun-08
08AQS	SOC 1B	6	5-May-08	19-May-08	30-May-08
08ABS	B	12	12-May-08	9-Jun-08	16-Jan-09
08BQS	SOC 1B	4	1-Jul-08	14-Jul-08	25-Jul-08

[https://www.xo.hq.af.mil/xoo/xoot/xoota/Prod\\_Dist/FY06-08%20PFT%20CAF%20v2.1.xls](https://www.xo.hq.af.mil/xoo/xoot/xoota/Prod_Dist/FY06-08%20PFT%20CAF%20v2.1.xls)

V/R  
**Maj Joe Schulz**  
**(Woodstock)**

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