

Air Education and Training Command

Develop America's Airmen Today ... for Tomorrow



2007 Corrosion Control Briefing

U.S. AIR FORCE

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Integrity - Service - Excellence



Overview



Develop America's Airmen Today ... for Tomorrow



- Demographics
- Columbus GPX Conversion



MAJOR FLYING OPERATIONS

- Randolph AFB TX
12 TFW (T-1, T-6, T-37, T-38, T-43)
- Columbus AFB MS
14 TFW (T-1, T-6, T-37, T-38)
- Laughlin AFB TX
47 FTW (T-1, T-6, T-38)
- Luke AFB AZ
56 FW (F-16)



DEMOGRAPHICS



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MAJOR FLYING OPERATIONS (Continued)

- Altus AFB OK
97 AMW (C-5, C-17, C-135)
- Little Rock AFB AR
314 AW (C-130)
- Tyndall AFB FL
325 FW (F-15, F-22)
- Moody AFB GA (BRAC Summer 2007)
479 FTG (T-6, T-38)



DEMOGRAPHICS



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MAJOR FLYING OPERATIONS (Continued)

- Kirtland AFB NM
58 SOW (H-53 retire summer 07, H-60, UH-1N, C-130, CV-22)
- Vance AFB OK
71 FTW (T-1, T-6, T-38)
- Sheppard AFB TX
80 FTW (T-37, T-38)
- Ft Rucker
(UH-1H)
- USAFA
(T041D, TG010, TG014, TG015, UV018)



DEMOGRAPHICS



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- 1600 Acft Assigned / 21 Different Airframes



DEMOGRAPHICS



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TYPE OF OPERATIONS

Civil Service

- Randolph
- Laughlin
- Altus

Defense Contractor

- Columbus
- Vance
- Sheppard
- Moody (BRAC 07)
- Ft Rucker
- USAFA



TYPE OF OPERATIONS (continued)

Active Military

- Luke
- Kirtland
- Little Rock
- Tyndall
- Backshop Defense Contractor
- Flightline/Phase Active Military



MISSION-RELATED TASK OPERATIONS

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REGIONALIZED PMB OPERATIONS



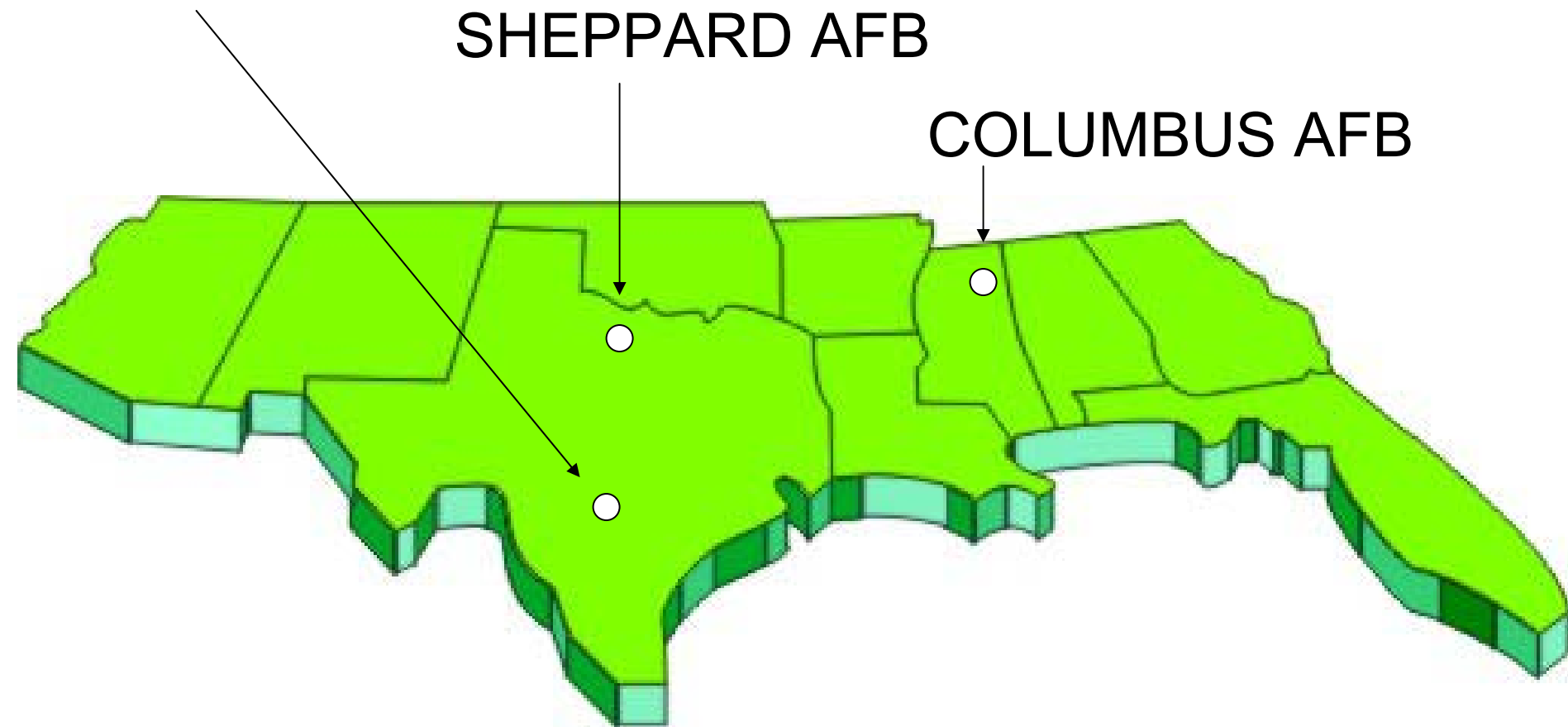
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RANDOLPH AFB

SHEPPARD AFB

COLUMBUS AFB





REGIONALIZED PMB OPERATIONS



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- Sheppard
- Randolph (Laughlin / Luke)
- Columbus (Vance)



Columbus GPX Conversion



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- GPX Media Evaluation
- Results
- “Way Ahead”





GPX/E-Strip Media Evaluation



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- 3-5 Oct 06, AETC evaluated new GPX/E-Strip media to strip aircraft
- Media was used to strip a T-38C aircraft at Columbus AFB, MS
- GPX was a dropped in a 19/20 yr old PMBU w/ minor modifications
 - Shaker screens were changed to accommodate new type VII media
 - New venturi blast nozzles were installed to enhance performance



GPX/E-Strip Media Evaluation



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- Aircraft was prep/masked IAW T.O. 1A-T38C-23
- Aircraft had been top coated 3 times since last complete strip (1998)
- Three blast guns/nozzles were used
- Actual blast operation was observed by members from HQ AETC staff, 14th FTW safety/CEV/MX personnel and GPX vendor



Evaluation Results



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- The GPX media effectively removed three top-coats and primer without damage to the aircraft's OML surfaces/substrates.
- Strip rate was approx. the same as Type V/plastic media
- No media induced equipment problems
- Received positive comments from user
 - “Surface of the aircraft is smoother/cleaner”
- Spent media will be recycled by vendor



“Way Ahead”



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- Recommend to AETC A4M that all PMB facilities switch to GPX
- Will be AETC’s preferred option for stripping all aircraft/SE
- Explore feasibility of stripping T-6s from other units at Columbus AFB
- Continue effort to get GPX recycle program approved in TX
- Share success story with T-6 OEM/SPO and Navy



T- 6 Strip



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T- 6 Strip



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T- 6 Strip



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Current T-6 Paint Scheme



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T-6 Gray Conversion



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SUMMARY



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QUESTIONS?



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