Headquarters Air Combat Command

Air Combat Training Systems



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This Briefing is: UNCLASSIFIED



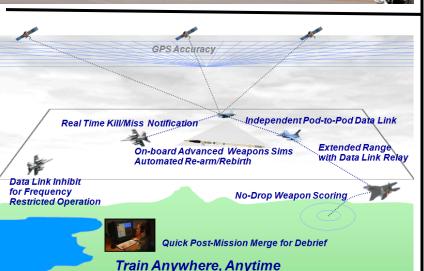
Overview

- P5CTS Overview
- Baseline Program Description
- Fielding Status
- Retired Systems
- Debriefing Capability



P5 Combat Training System





Specifications

Participant datalink:

80 nm (Air to Air)

125 nm (Air to Grd)

Data Link Relay: 200 nm

Accuracy:

10ft x 10ft x 15ft

Performance

GPS based

Rangeless

Live Monitoring

RTKN/Wpn Sims Interoperable

- Link 16

- FAA

Aircraft

F-15

F-16

A-10C

F-18

AV-8

EA-6B

F-5

Eurofighter

EPAF F-16s

Mirage

Tornado

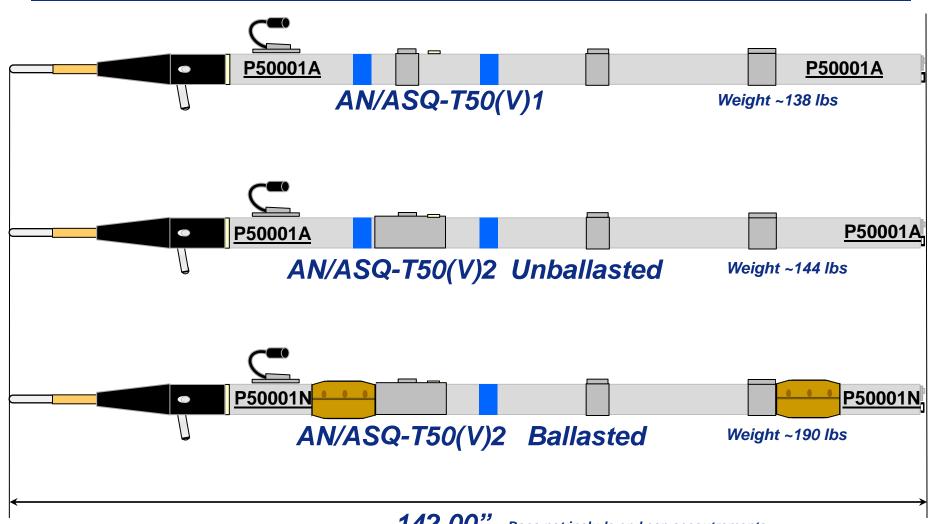
SU-30

AH-1

UH-1



P5CTS/TCTS Pods



142.00" Does not include end cap accoutrements



Ground Subsystem

Transportable Ground Subsystem (TGS)



Portable Ground Subsystem (PGS)

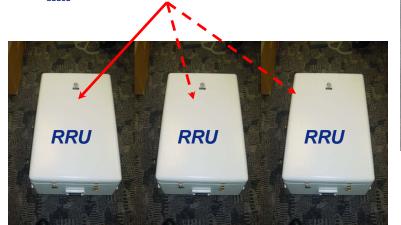


Transportable Ground Subsystem w/Live Monitor - TGS/LM



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TGS w/LM comes with 1 RRU however additional RRU's may be added

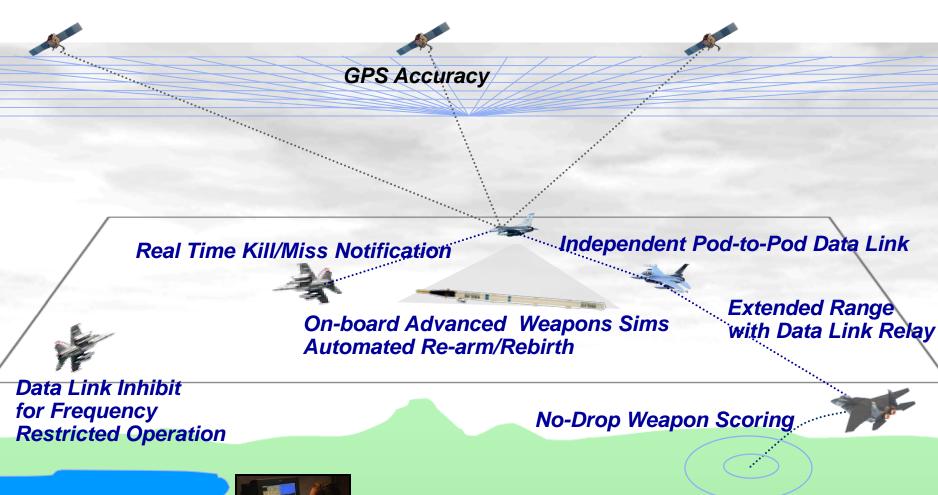




Remote Range Unit



Rangeless Operations P5CTS



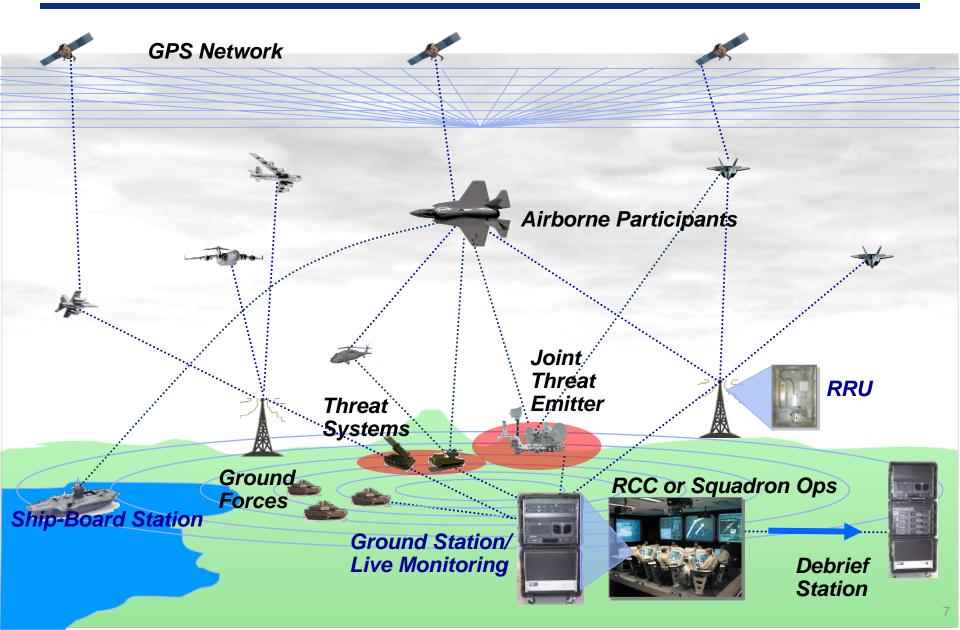


Quick Post-Mission Merge for Debrief

Train Anywhere, Anytime

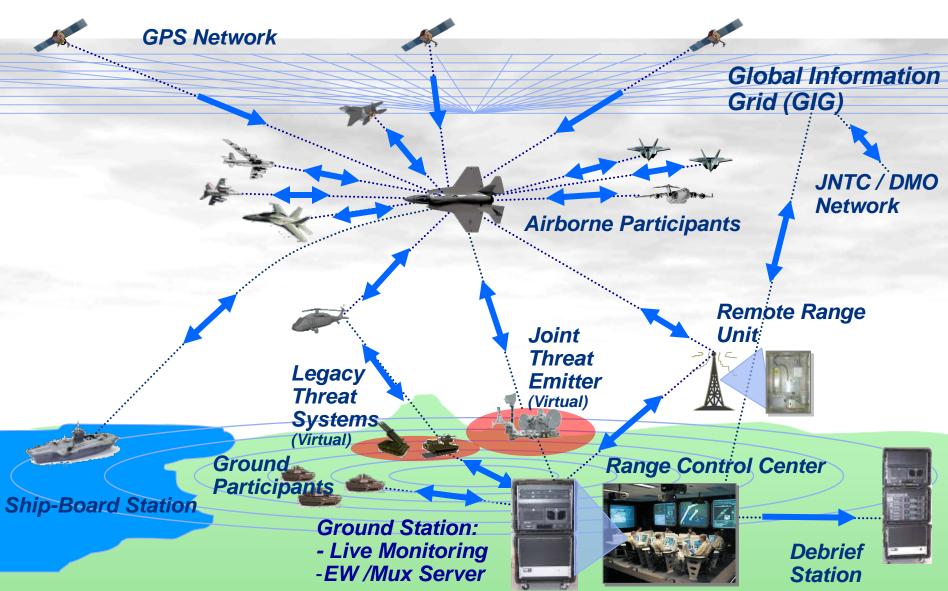


Integrated Operations





Integrated P5/LVC Operations





P5CTS Fielding Status - Oct 2011

- First Fielding at Luke AFB Oct 2006
- Fielded Units:

400	
ACC	
Eglin	COMP
Seymour-Johnson	COMP
Langley	COMP
Nellis/Ft Irwin (GF-W)	COMP
Mountain Home	COMP
Shaw	COMP
Barksdale	COMP
Hill	COMP
AFRC	
Homestead ARB	COMP
ANG	
Savannah CRTC	COMP
Gulfport CRTC	COMP
Alpena CRTC	COMP
Montana (Great Falls)	COMP
Volk Field CRTC	COMP
AETC	
Luke	COMP
Tyndall	COMP
USAFE	
RAF Lakenheath	COMP
Spangdahlem*	COMP
Aviano*	COMP

- On the Horizon:

2012 - Eielson	TBD
2013 - Holloman (F-16 move from Luke), Nellis (Red Flag-N)	
2014/15 - PACAF	

^{*} Awaiting European frequency approval



P5CTS Air Force Fielding

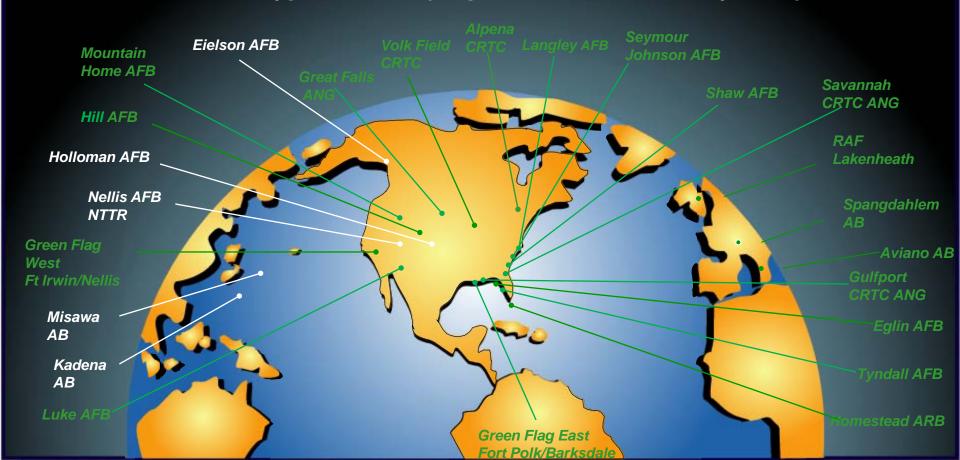
Fielded: 779 Pods

AF TOTAL: 1464 Pods

Contracted: 152 pods delivered in FY11

Programmed: 165 Baseline Pods purchase in FY12 (del FY13)

Planned: 368 Encrypted Pods (required FY 12, delivery TBD)





Transition Update - Retirement

Retired Pods

- HAIS POD Apr 06
- P4A (TACTS) retired 2010
- P4AM retired Jun 07
- P4AW retired Aug 07
- P4BX retired Dec 08
- P4G retired Jun 09

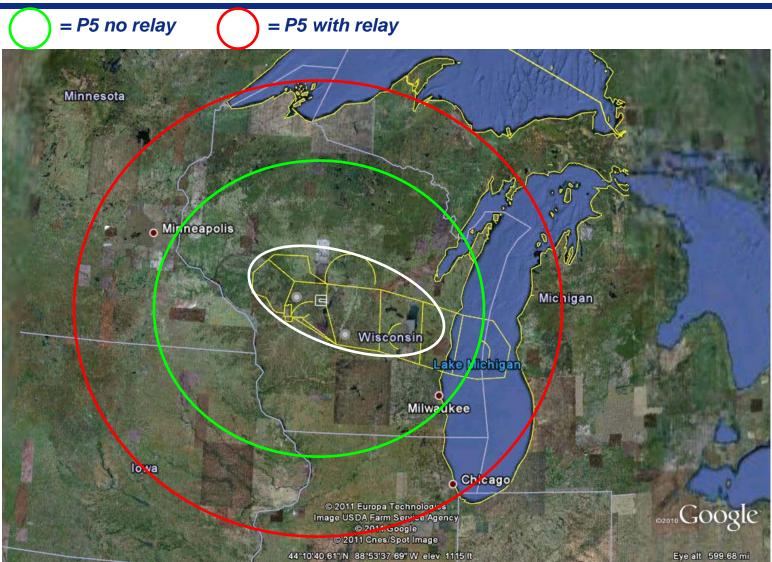
Retiring Pods

- URITS NLT FY 12 (Projected to retire Jan 2012)
- P4B NLT FY12 (Projected to retire Jan 2012)
- P4NS NLT FY13/14
- P4BE NLT FY 14/15

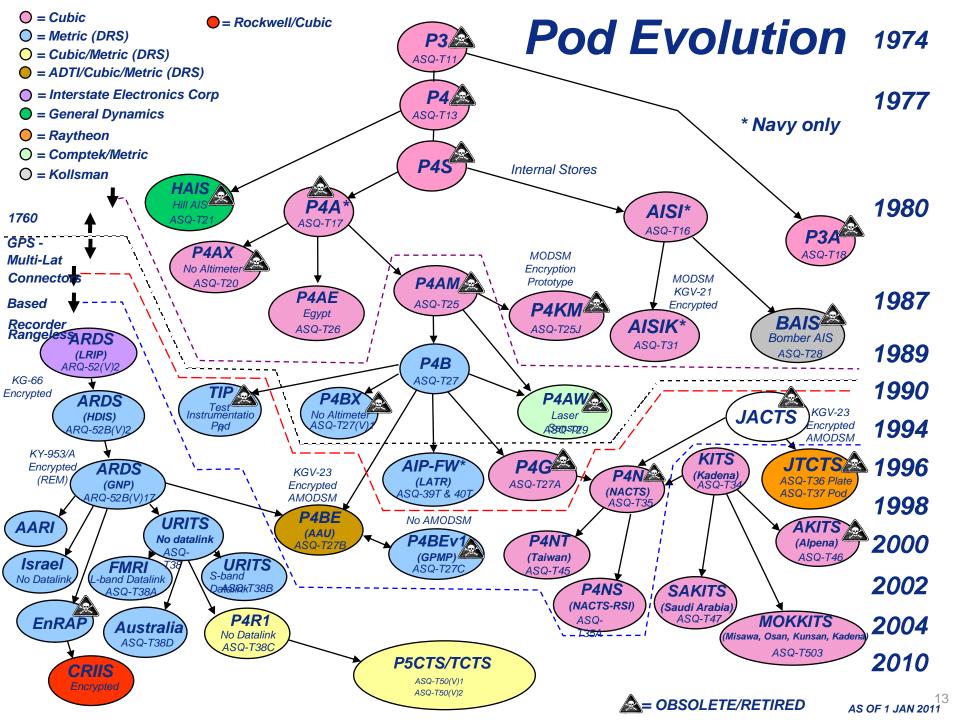
Down to 8 AF pod system baselines



Ground Infrastructure Reduction



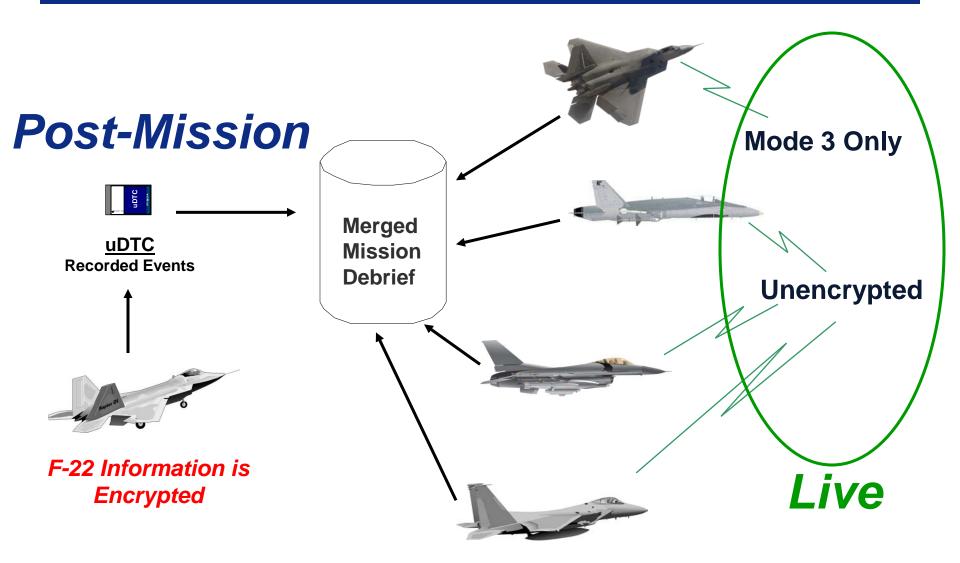
Old tethered range needed 18 TIS towers to cover the area in white. P5 covers the area in red with only 2.





F-22 ACTS Short-Term Solution

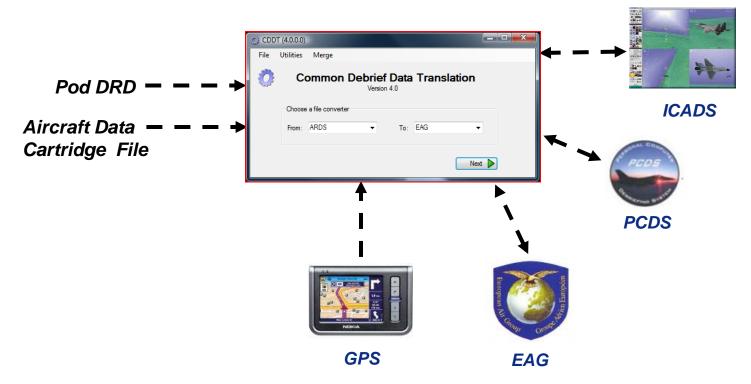
Post-Mission Merge Debrief - Fall 08



F-22 long-term solution is an encrypted data link



CDDT System Overview



Plus one-way conversions for:

- ITAS
- JDS
- ARDS
- 4 GPS variants



