FIGHTER PILOT DEBRIEF
PrtAF MAJOR JOEL PAIS
OVERVIEW

✓ INTRO
✓ MILITARY DEBRIEF EVOLUTION
✓ DAILY FIGHTER PILOT TIMELINE
✓ DEBRIEF
  ✓ PROCESS
  ✓ ENVIRONMENT
✓ CONCLUSION
✓ QUESTIONS

✓ UNCLASSIFIED
• WHO AM I?
  – 15 years F-16 Pilot
  – 2300 Flight Hrs
  – Instructor Pilot

• WHY FIGHTER PILOT DEBRIEF?
  – High Mission Success rates → #OnTimeOnTarget
  – Case study

• DOES IT REALLY APPLY TO ME?
  – Who doesn´t want to improve?

UNCLASSIFIED
DAILY FIGHTER PILOT TIMELINE

- REPORT IN
- MISSION PLANNING
- MISSION BRIEF
- STEP
- EXECUTION
- DEBRIEF
• Technical evolution → change in mindset
• Alpha Jet
  – B&W film (processing needed)
  – Very short clips (pickle / trigger)
  – No audio
• F-16 OCU
  – 8mm magnetic tape
  – HUD colour only + audio
  – All flight
• F-16 MLU
  – Digital recorder
  – Video → HUD+3 cockpit screens + helmet + audio
  – DATA → GPS tracker + A/C flight parameters + weapons solutions
DEBRIEF PROCESS

- Timeline setting
- Data Collection and Processing
- Get appropriate tools (books / A/C models /pens)
- (non) Missionized sorties
THE “WHAT”

ALL OBJECTIVES MET?

Debrief Focus Point 1
- Contributing Factors 1a
- Contributing Factors 1b
- Contributing Factors 1c
- Root Cause 1

Debrief Focus Point 2
- Contributing Factors 2a
- Contributing Factors 2b
- Contributing Factors 2c
- Root Cause 2

Learning Points

Adapted from PrtAF F-16 BEM
THE “WHY”

ROOT CAUSE
Pilot had correct info?

Input Error
- Misprion
- Misassess
- Task saturation
- No entry

Did pilot Execute as Intended

Output error
- Bad technique
- Inability

Decision error
- Bad Game Plan
- No Game Plan

NEW TECHNIQUE FOR EXECUTION OR IMPROVEMENT

GAME PLAN IMPROVEMENT

Adapted from PrtAF F-16 BEM
DEBRIEF ENVIRONMENT

- EAGERNESS TO IMPROVE
- LEADS NEED TO BE HUMBLE / FAIR / APPROACHABLE
- NO SHAME OR BLAME TO ADMIT FAIL / LACK OF KNOWLEDGE / SA
- NO RANKS – ALL DEBRIEF IS TASK / FUNCTION ORIENTED / CHECKLIST
- TECHNOLOGY PRECLUDES HIDDING / COVER UP
  → TRANSPARENCY → HONESTY
CONCLUSION

• Fighter Pilot Debrief has strong tie with technology.

• Fundamentals haven’t changed over time:
  – In a timely manner find the problems and fixes for the major problems precluding TASK/OBJECTIVE achievement
  – Rank / Criticism / Ego free environment
  – Ultimate goal is SELF / TEAM IMPROVEMENT
THANK YOU!