Civil Air Patrol

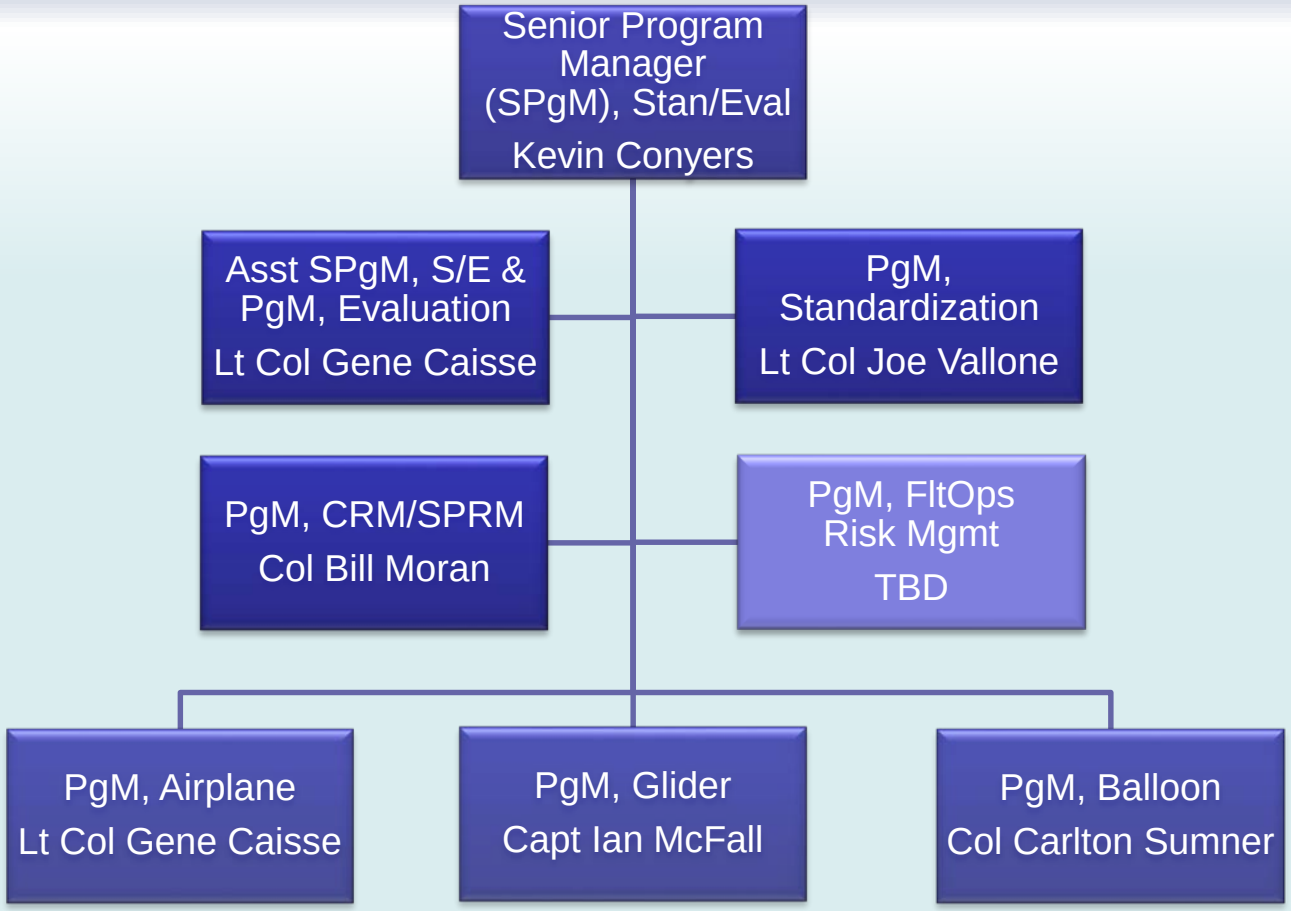


Pilot Flight Evaluation Process

Kevin Conyers
7 Aug 2019

ONE CIVIL AIR PATROL, EXCELLING IN SERVICE TO OUR NATION AND OUR MEMBERS!

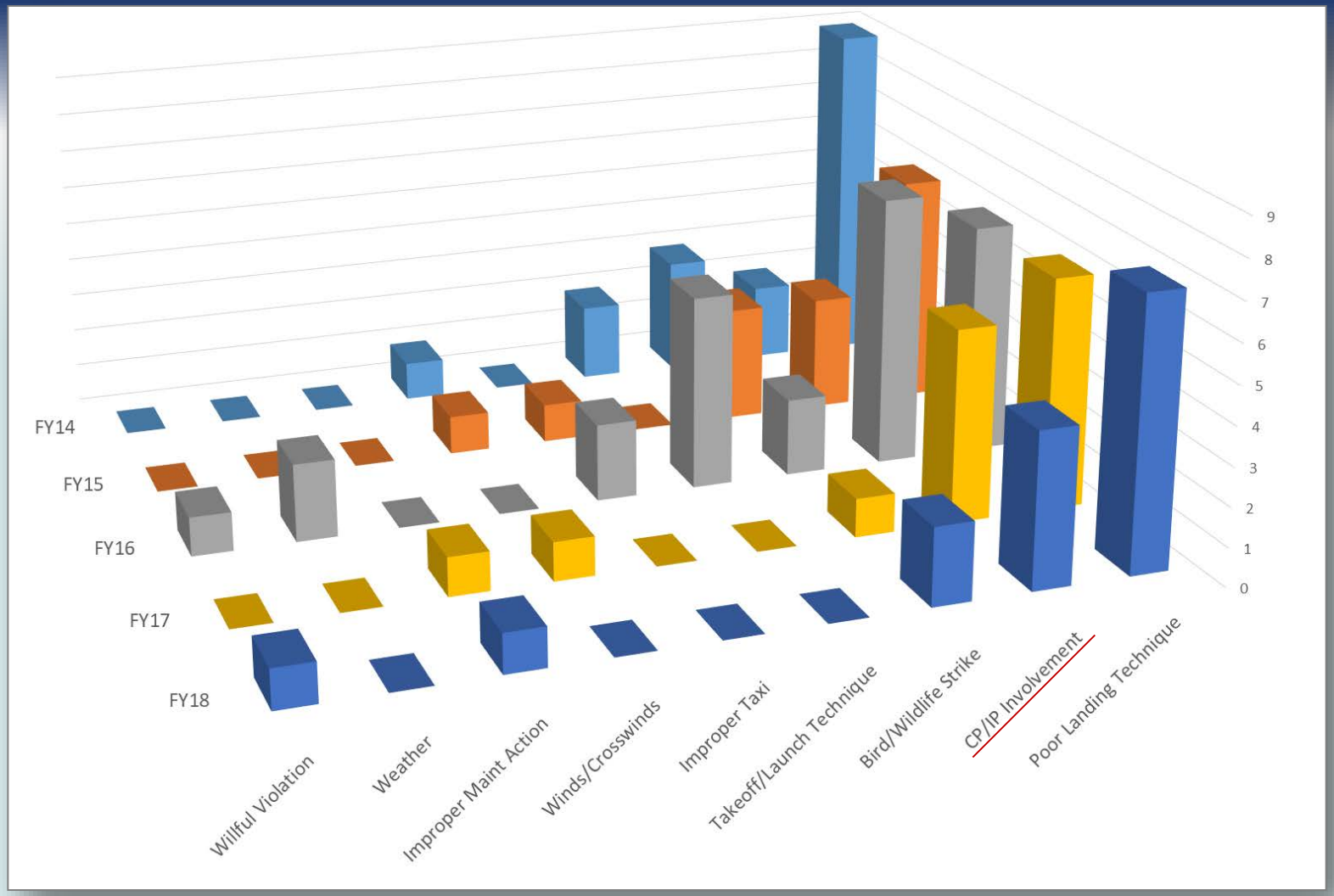
CAPNHQ Stan/Eval Organization



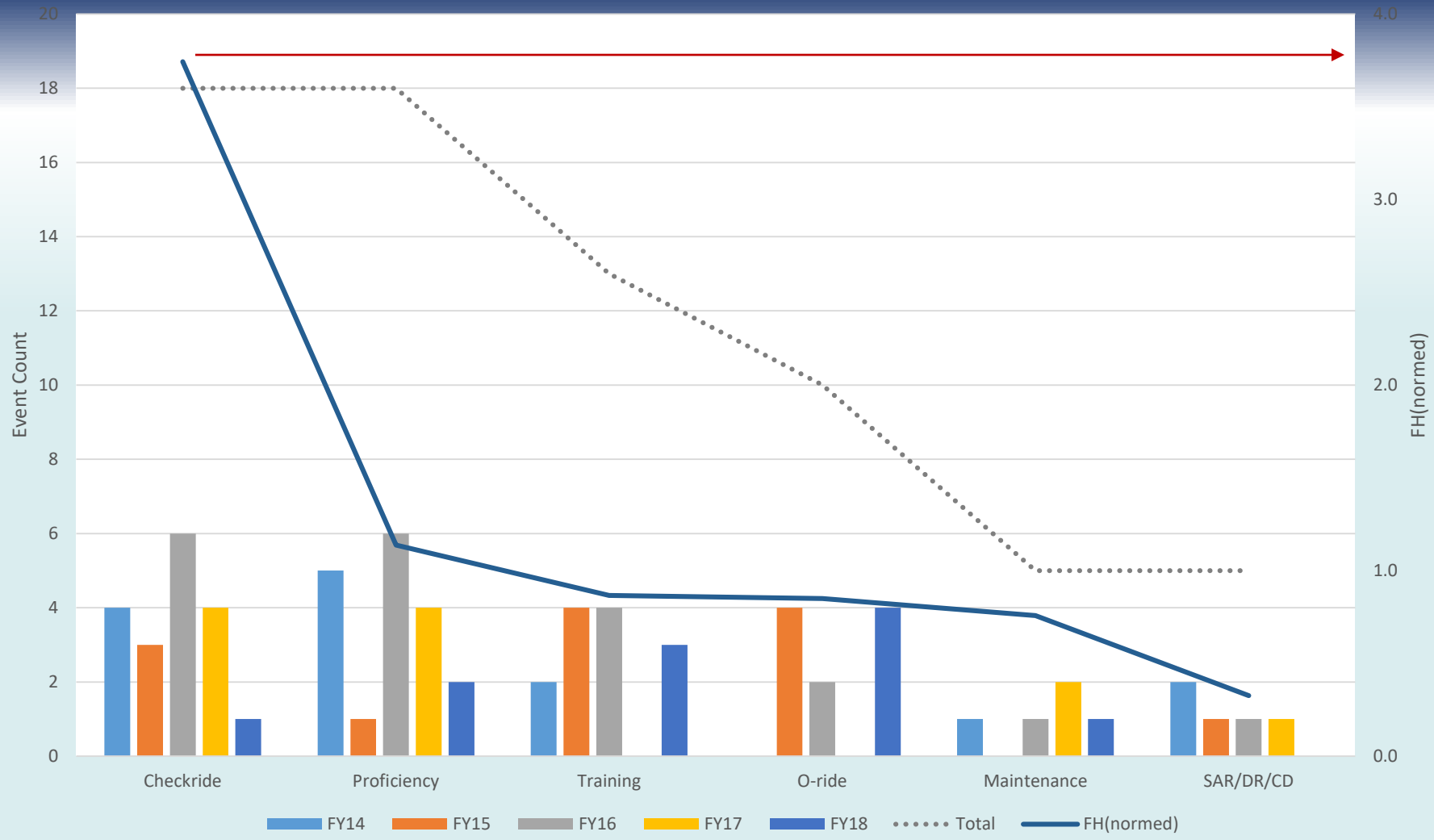
Agenda

- CAP Mishap History (FY14-18)
- The Aircrew Professionalism Initiative
- The Pilot Flight Evaluation Process
- Process Deficiencies
- Planned Improvements
- Implementation Status

CAP Mishap History (FY14-18)



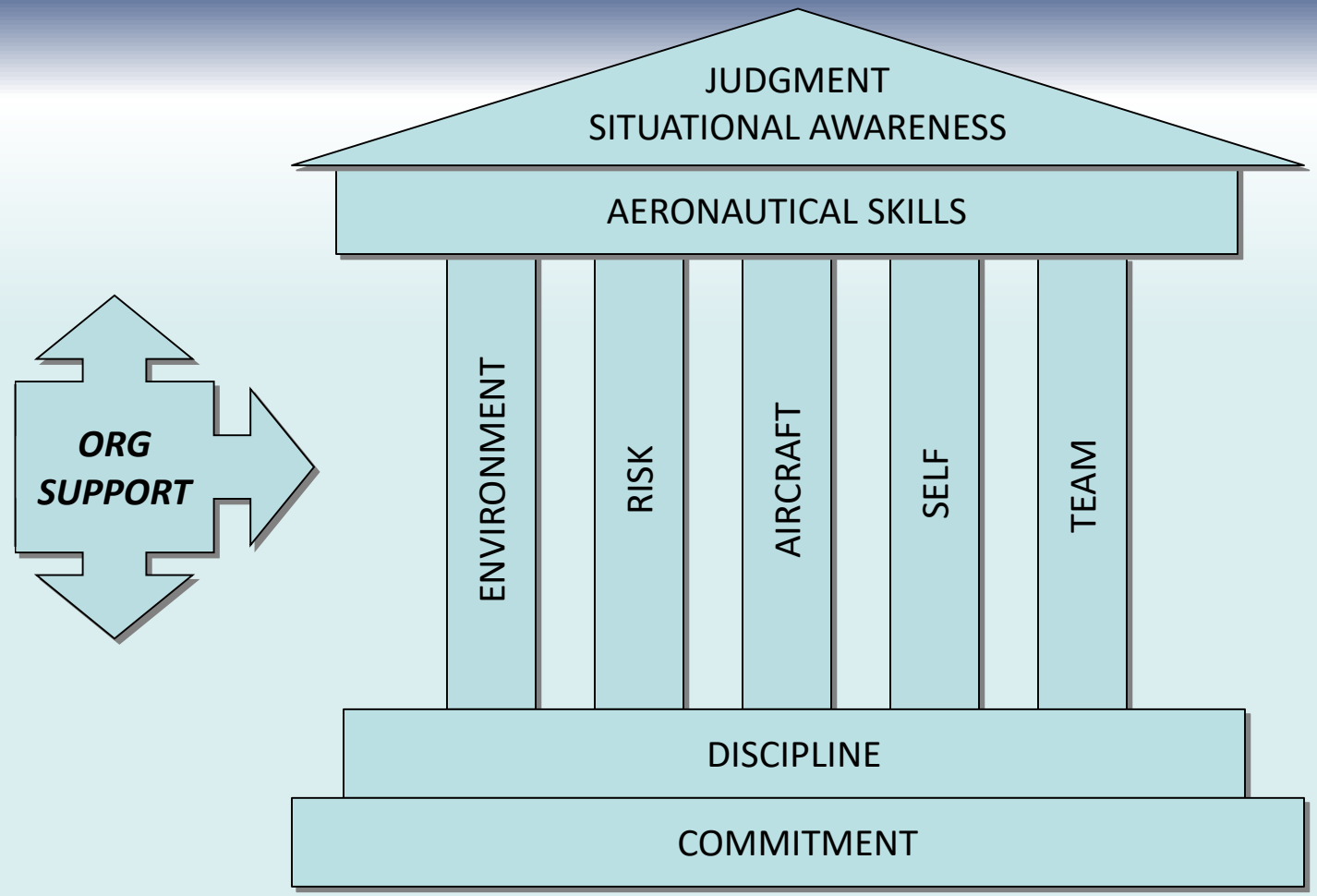
FR-I/A Events by Flight Purpose (FY14-18)



ONE CIVIL AIR PATROL, EXCELLING IN SERVICE TO OUR NATION AND OUR MEMBERS!

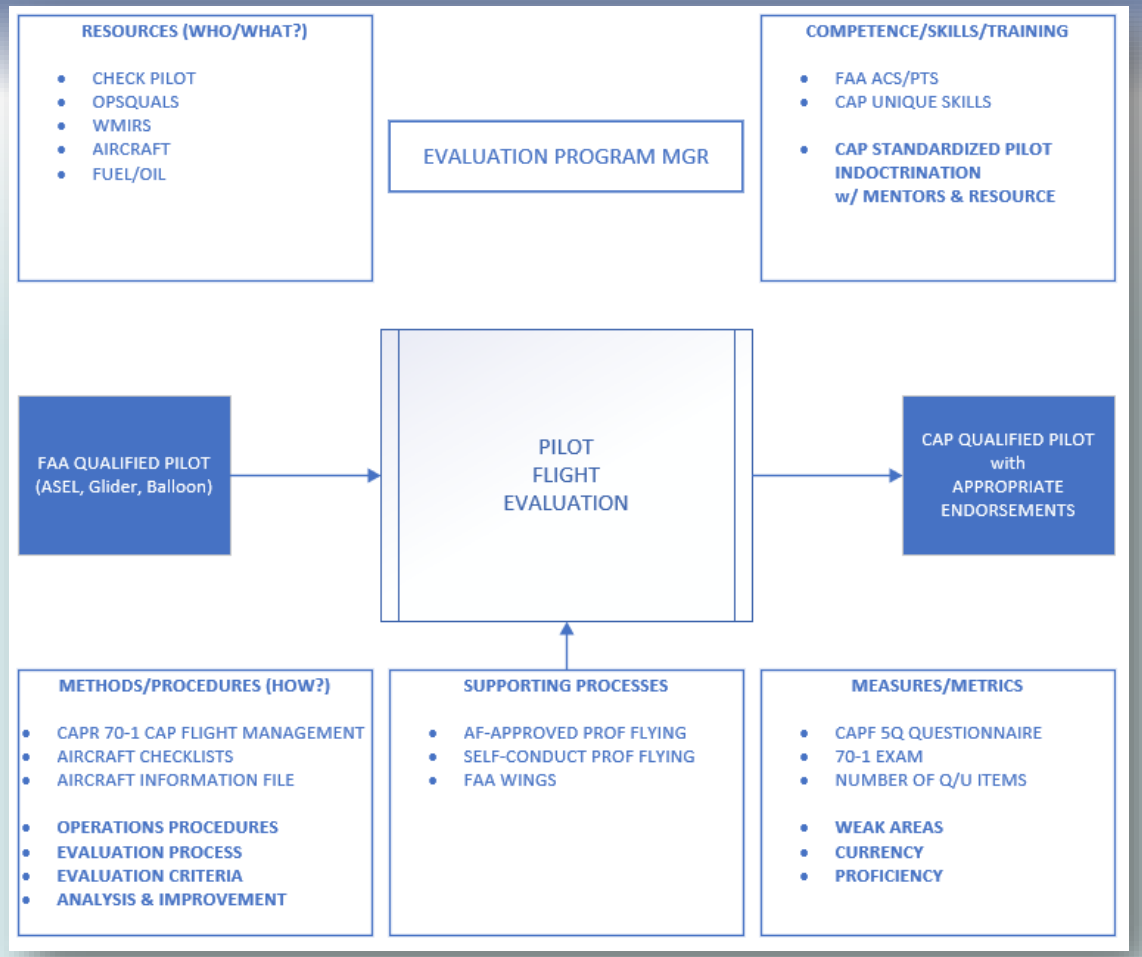
The Aircrew Professionalism Initiative

- **Phase One - Individual**
  - **Code of Conduct**
  - **Commitment**
  - **Discipline & Accountability**
- **Phase Two - Team**
  - ***Pilot Flight Evaluation Process***
  - **CRM/SPRM**
- **Phase Three - Organizational**
  - **Stan/Eval Program**
  - **RM Policy, Processes and Training**
  - **Knowledge Management**
  - **Qualifications & Endorsements**



Pilot Flight Evaluation Process

- Process performance
- Process Focus
  - Inputs
  - Resources
  - Methods
  - Training
  - Measures
  - Supporting Processes
  - Outputs



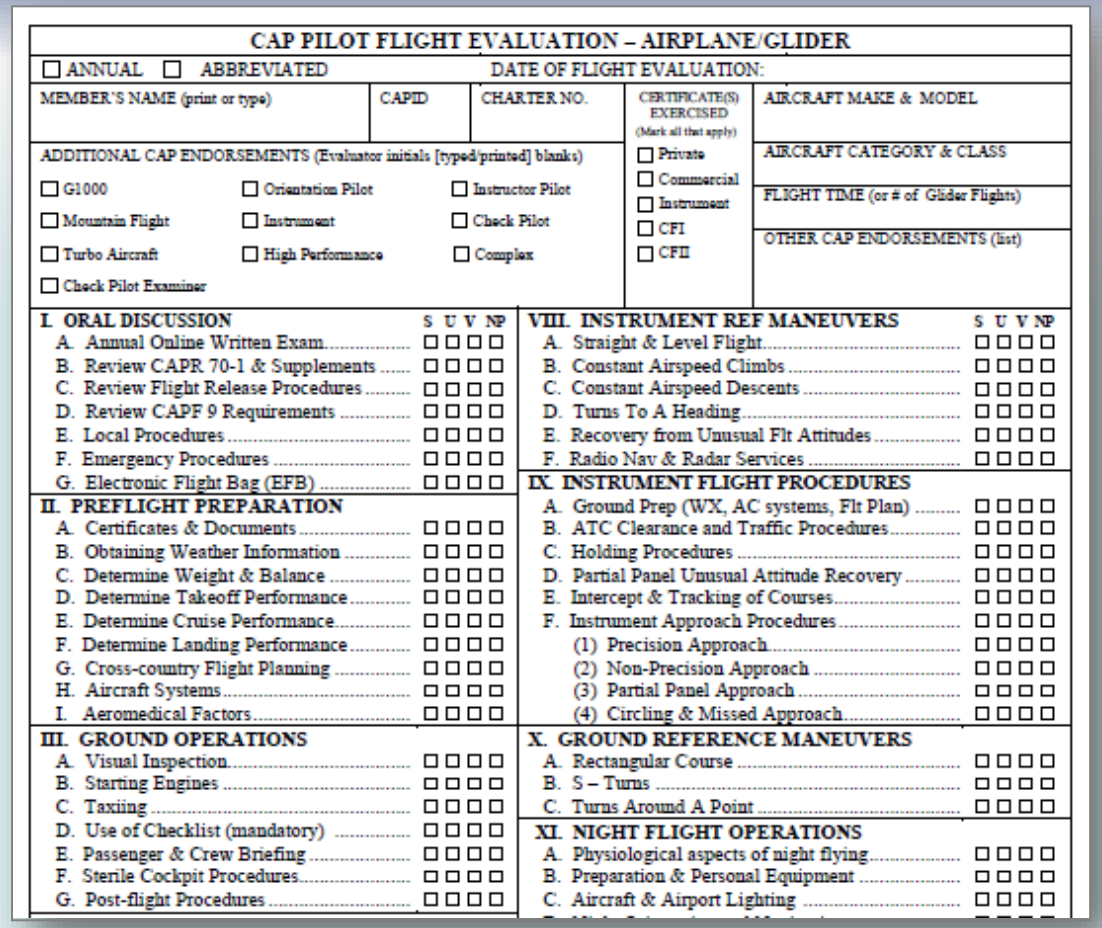
Deficient Process Areas

- Pilot preparedness – currency, proficiency, expectations
- CP preparedness – currency, right-seat proficiency, failure to xmonitor perf.
- Evaluation process policy & rules – ambiguous/lenient in some areas
- Evaluation process standards – absent
- Evaluation process training – adequate
- Risk management – mindset, preflight assessment, threat/error management

Deficient Process Areas (cont)

CAPR 70-1 Attachment 3 – "The current applicable FAA Practical Test Standards or Airman Certification Standards for the certificate being exercised define the level of satisfactory performance."

- No evaluation criteria:
  - CAP-unique endorsements
  - CAP-unique tasks
- Measurement, analysis and improvement - inadequate



CAP PILOT FLIGHT EVALUATION – AIRPLANE/GLIDER

☐ ANNUAL ☐ ABBREVIATED DATE OF FLIGHT EVALUATION:

MEMBER'S NAME (print or type)	CAPID	CHARTER NO.	CERTIFICATE(S) EXERCISED (Mark all that apply)	AIRCRAFT MAKE & MODEL
			☐ Private ☐ Commercial ☐ Instrument ☐ CFI ☐ CFII	AIRCRAFT CATEGORY & CLASS
				FLIGHT TIME (or # of Glider Flights)
				OTHER CAP ENDORSEMENTS (list)

ADDITIONAL CAP ENDORSEMENTS (Evaluator initials [typed/printed] blanks)

☐ G1000 ☐ Orientation Pilot ☐ Instructor Pilot
☐ Mountain Flight ☐ Instrument ☐ Check Pilot
☐ Turbo Aircraft ☐ High Performance ☐ Complex
☐ Check Pilot Examiner

I. ORAL DISCUSSION	S	U	V	NP
A. Annual Online Written Exam	☐	☐	☐	☐
B. Review CAPR 70-1 & Supplements	☐	☐	☐	☐
C. Review Flight Release Procedures	☐	☐	☐	☐
D. Review CAPF 9 Requirements	☐	☐	☐	☐
E. Local Procedures	☐	☐	☐	☐
F. Emergency Procedures	☐	☐	☐	☐
G. Electronic Flight Bag (EFB)	☐	☐	☐	☐
II. PREFLIGHT PREPARATION				
A. Certificates & Documents	☐	☐	☐	☐
B. Obtaining Weather Information	☐	☐	☐	☐
C. Determine Weight & Balance	☐	☐	☐	☐
D. Determine Takeoff Performance	☐	☐	☐	☐
E. Determine Cruise Performance	☐	☐	☐	☐
F. Determine Landing Performance	☐	☐	☐	☐
G. Cross-country Flight Planning	☐	☐	☐	☐
H. Aircraft Systems	☐	☐	☐	☐
I. Aeromedical Factors	☐	☐	☐	☐
III. GROUND OPERATIONS				
A. Visual Inspection	☐	☐	☐	☐
B. Starting Engines	☐	☐	☐	☐
C. Taxiing	☐	☐	☐	☐
D. Use of Checklist (mandatory)	☐	☐	☐	☐
E. Passenger & Crew Briefing	☐	☐	☐	☐
F. Sterile Cockpit Procedures	☐	☐	☐	☐
G. Post-flight Procedures	☐	☐	☐	☐

VIII. INSTRUMENT REF MANEUVERS	S	U	V	NP
A. Straight & Level Flight	☐	☐	☐	☐
B. Constant Airspeed Climbs	☐	☐	☐	☐
C. Constant Airspeed Descents	☐	☐	☐	☐
D. Turns To A Heading	☐	☐	☐	☐
E. Recovery from Unusual Flt Attitudes	☐	☐	☐	☐
F. Radio Nav & Radar Services	☐	☐	☐	☐
IX. INSTRUMENT FLIGHT PROCEDURES				
A. Ground Prep (WX, AC systems, Flt Plan)	☐	☐	☐	☐
B. ATC Clearance and Traffic Procedures	☐	☐	☐	☐
C. Holding Procedures	☐	☐	☐	☐
D. Partial Panel Unusual Attitude Recovery	☐	☐	☐	☐
E. Intercept & Tracking of Courses	☐	☐	☐	☐
F. Instrument Approach Procedures	☐	☐	☐	☐
(1) Precision Approach	☐	☐	☐	☐
(2) Non-Precision Approach	☐	☐	☐	☐
(3) Partial Panel Approach	☐	☐	☐	☐
(4) Circling & Missed Approach	☐	☐	☐	☐
X. GROUND REFERENCE MANEUVERS				
A. Rectangular Course	☐	☐	☐	☐
B. S – Turns	☐	☐	☐	☐
C. Turns Around A Point	☐	☐	☐	☐
XI. NIGHT FLIGHT OPERATIONS				
A. Physiological aspects of night flying	☐	☐	☐	☐
B. Preparation & Personal Equipment	☐	☐	☐	☐
C. Aircraft & Airport Lighting	☐	☐	☐	☐

Planned Process Improvements

- Publications
  - Terminology changes: the “Form 5”
  - Must be conducted in corporate aircraft
  - CP must be current and qualified in CAP acft
  - CP must be qualified to act as PIC (14 CFR)
  - CP must hold endorsements to be evaluated
  - Required tasks (complete within 30 days)
  - CP records makes/models to renew
  - CAPR 70-1 Exam – still in four parts
  - Quizzes (CAPF 70-5Q-A/B/G)
  - Forms (CAPF 70-5A/B/G)
  - Program Analysis & Improvement
- AF-Approved Proficiency Profiles
  - Introductory Proficiency
  - Basic Aircraft Proficiency
  - *Check Pilot/Instructor Pilot Right Seat*
- Program Analysis and Improvement
  - Event-based (CP > DOV > CAP/DOV)
  - CAP/DOV random sample surveying
  - CAP/DOV performs analysis

CAP-Unique Evaluation Criteria

- **Endorsements**

Section 9. CAP Instructor and Check Pilot Endorsements											
XXII. Instructor Pilot Endorsement	**Q**	**QT**	**U**	**V**	**N/A**	**XXIII. Check Pilot Endorsement**	**Q**	**QT**	**U**	**V**	**N/A**
A. Knowledge of FAA ACS	☐	☐	☐	☐	☐	**A.** Risk Management for Evaluations	☐	☐	☐	☐	☐
B. Knowledge of CAPP 72-6 Evaluation Criteria	☐	☐	☐	☐	☐	**B.** Evaluation Plan of Action	☐	☐	☐	☐	☐
C. Knowledge of CAP operations guidance	☐	☐	☐	☐	☐	**C.** Evaluate the left seat check pilot flying one inflight maneuver and one landing.	☐	☐	☐	☐	☐
D. POH familiarity and depth of knowledge	☐	☐	☐	☐	☐						
E. Brief instructional scenario.	☐	☐	☐	☐	☐						
F. Demonstrate an instructional scenario for the briefed maneuver.	☐	☐	☐	☐	☐						

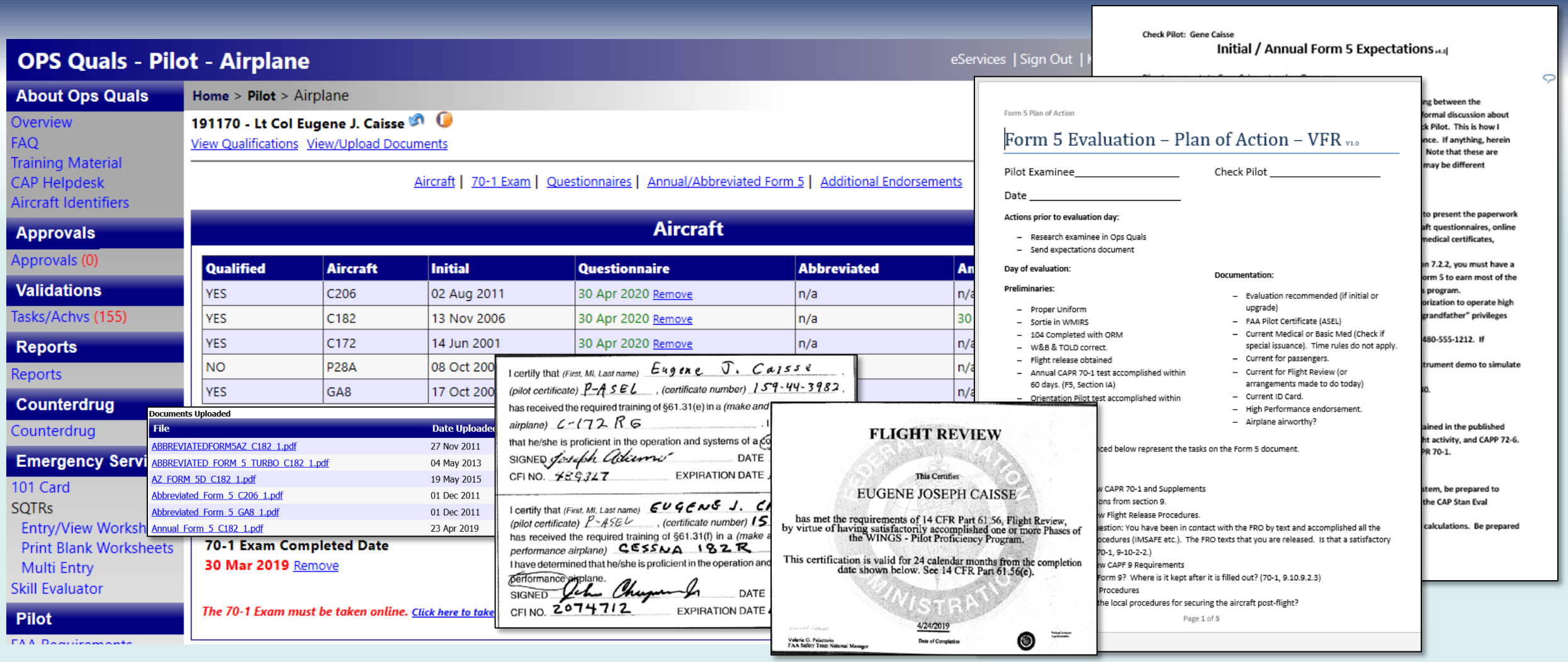
Task ID	Task	Q	QT	U
XXII. A	Knowledge of FAA ACS	Knowledgeable of FAA ACS standards for Private, Commercial and Instrument Ratings.	Knowledgeable of FAA ACS standards for Private, Commercial and Instrument Ratings with minor gaps not affecting safety of flight.	Not knowledgeable of FAA ACS standards for Private, Commercial and Instrument Ratings and does not have copies of the ACS at hand.
XXII.B	Knowledge of CAPP 72-6 Evaluation Criteria	Knowledgeable of CAP Evaluation Criteria for tasks not contained in the FAA ACS.	Knowledgeable of CAP Evaluation Criteria for tasks not contained in the FAA ACS with minor gaps not affecting safety of flight.	Not knowledgeable of CAP Evaluation Criteria for tasks not contained in the FAA ACS and does not have a copy at hand.
XXII.C	Knowledge of CAP Operations Guidance	Familiar, at the instructional level, with CAP operations guidance as presented on the Operations webpages and applicable CAP publications.	Familiar, at the instructional level, with CAP operations guidance as presented on the Operations webpages and applicable CAP publications with minor gaps not affecting flight safety.	Unfamiliar, at the instructional level, with CAP operations guidance as presented on the Operations webpages and applicable CAP publications.
XXII.D	POH Familiarity and Depth of Knowledge	Sound knowledge of the POH at the instructional level.	N/A	Does not exhibit knowledge of the POH at the instructional level.

- **Tasks**

Section 2. CAP Standards for VFR Evaluation											
XIII. CAP-specific Items for VFR	**Q**	**QT**	**U**	**V**	**N/A**		**Q**	**QT**	**U**	**V**	**N/A**
A. CAPR 70-1 Knowledge	☐	☐	☐	☐	☐	**F.** Check Pilot Authority	☐	☐	☐	☐	☐
B. Flight Release Procedures	☐	☐	☐	☐	☐	**G.** Positive Exchange of Flight Controls	☐	☐	☐	☐	☐
C. CAP Form 9 Requirements	☐	☐	☐	☐	☐	**H.** Knowledge of CAP-unique Equipment	☐	☐	☐	☐	☐
D. Electronic Flight Bag	☐	☐	☐	☐	☐	**I.** Passenger and Crew Safety Briefing	☐	☐	☐	☐	☐
E. WMIRS Compliance	☐	☐	☐	☐	☐						

Task ID	Task	Q	QT	U
XIII. A	Review CAPR 70-1 and Supplements	Exhibits a sound knowledge of the regulation. Answers questions factually.	Good knowledge of the regulation with minor errors not affecting flight safety.	Poor knowledge of the regulation or factual errors that would affect safety of flight.
XIII. B.	Review Flight Release Procedures	Good understanding of all flight release requirements.	Understands that the FRO and pilot must speak in person or telephone, and that any change in conditions requires the FRO to be notified. Otherwise, minor gaps in understanding of the requirements.	Poor understanding of the FRO requirements.
XIII. C.	Review CAPF 9 Requirements	Understands non-CAP passenger requirements and procedures.	N/A	Poor understanding of non-CAP passenger requirements and procedures.
XIII. D.	Electronic Flight Bag	Good understanding of published CAP Electronic Flight Bag guidance.	Does not know of CAP guidance, however does have a backup system (electronic or paper) and if VFR, data to be used is current. If IFR, navigation database is current.	Does not have a backup system, or data to be used is not current. If IFR, navigation database is not current.
XIII. E.	WMIRS Knowledge and Compliance	Sound WMIRS system knowledge. Sortie satisfactorily entered.	Sortie satisfactorily entered but some gaps in knowledge of the system.	Sortie entered with incomplete information. Poor knowledge of the system.

Preparing the Playing Field



Standup Training for Check Pilots

- Purpose and Overview
- Risk Management for Flight Evaluations
- Aircrew Evaluation Criteria
- Aircrew Evaluation



Will be integrated into NCPSC at implementation


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