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STRAIGHT TALK ABOUT

AVIATION SAFETY

Presented by John and Martha King Co-Founders, King Schools





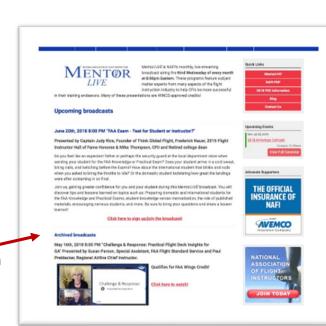




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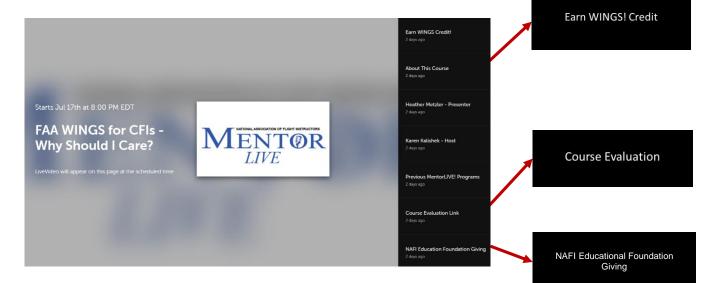
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Tonight's Presenters, John and Martha King Co-Founders, King Schools

STRAIGHT TALK ABOUT

AVIATION SAFETY

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HONEST DISCUSSIONS ABOUT SAFETY

• ARE PARTICULARLY IMPORTANT TO GENERAL AVIATION





DISCUSSIONS REGARDING SAFETY

- OFTEN AREN'T HELPFUL OR INSIGHTFUL
- CAN ACTUALLY BE COUNTER-PRODUCTIVE

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POST-ACCIDENT ASSURANCES

- "SAFETY IS OUR NUMBER ONE PRIORITY"
- "THERE CAN BE NO COMPROMISE WITH SAFETY"



GOING SOMEWHERE

- CONFIRMS MOVING THE AIRCRAFT RANKS AHEAD OF SAFETY
- IT WOULD ALWAYS BE SAFER TO STAY PUT
- DOING ANYTHING IN AN AIRCRAFT REQUIRES A TRADE-OFF BETWEEN DESIRED RESULT AND RISK

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A COMFORTING THOUGHT: ONE LEVEL OF SAFETY

- IT CAN'T BE TRUE
- SAFETY COSTS MONEY AND REQUIRES HEAVIER EQUIPMENT

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INTELLECTUAL DISHONESTIES

- TEND TO END DISCUSSION
- SUBSTITUTE FOR THOUGHTFULNESS

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DICK SMITH, CHAIRMAN OF CASA

- STEERED PEOPLE AWAY FROM DISINGENUOUS TALK ABOUT SAFETY
- ADVOCATED "AFFORDABLE SAFETY"

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Questions or Comments?





SAFETY ADVICE

- PREACHY, SMUG AND SUPERIOR
- DEMEANING, OFFENSIVE CRITICISM
- VERY LITTLE GUIDANCE
- NO STANDARDS



VOCABULARY NOT ACCEPTABLE

- AERONAUTICAL DECISION-MAKING
- JUDGMENT
- "5 HAZARDOUS ATTITUDES"



VOCABULARY NOT ACCEPTABLE

- AERONAUTICAL DECISION-MAKING
- JUDGMENT
- "5 HAZARDOUS ATTITUDES"
- PROVIDE NO
 GUIDANCE
 STANDARDS

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"AERONAUTICAL DECISION-MAKING"

- OFFENSIVE, DEMEANING, REACTIVE
 - IMPLIES YOU COME TO A DECISION POINT AND THEN MAKE A DECISION

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RISK MANAGEMENT

- A PROACTIVE HABIT OF
 - IDENTIFYING RISKS
 - MITIGATING RISKS



CLEAR AND HONEST LANGUAGE

- GIVE POSITIVE GUIDANCE—TALK ABOUT RISK MANAGEMENT
 - SAFETY IS AN OUTCOME
 - RISK MANAGEMENT IS HOW YOU GET THERE

• USAF, CAP: MISSION FIRST, SAFETY ALWAYS

RISKS IN FLYING IF LEFT UNMANAGED, ARE UNACCEPTABLE

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TAKE THE POLL AT: <u>PollEv.com/nafi</u>

Do you know someone personally who was killed in a General Aviation airplane?

ALL INNOVATIONS SEEM SIMPLE AND OBVIOUS IN HINDSIGHT

WHEELS ON LUGGAGE





RISK MANAGEMENT TOOLS

A VOCABULARY FOR SITUATIONAL AWARENESS

- PAVE
- C-CARE

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PLANNING SITUATIONAL AWARENESS

- PAVE, FOR PUTTING RISKS INTO THE CATEGORIES OF
 - **P** ILOT
 - **A** IRCRAFT
 - EN V IRONMENT
 - **E** XTERNAL/INTERNAL PRESSURES



MAINTAINING SITUATIONAL AWARENESS

- C-CARE, FOR AWARENESS OF
 - C HANGES –
 - C ONSEQUENCES
 - A LTERNATIVES
 - **R** EALITY
 - **E** XTERNAL/INTERNAL PRESSURES





Poll Results

Questions or Comments?





GOAL-ORIENTATION

- WONDERFUL IN ALMOST ALL OF LIFE
- A RISK FACTOR IN A PILOT





GOAL-ORIENTATION

- TENDS TO MAKE US KEEP ON GOING
- WHEN GOOD RISK MITIGATION SAYS WE SHOULD CHANGE OUR PLAN

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AIRMAN CERTIFICATION STANDARDS (ACS)

- REQUIRE EVALUATION OF RISK
 MANAGEMENT
- ARE THE CONTROLLING GUIDANCE FOR:
 - EVERYTHING A PILOT IS REQUIRED TO KNOW, CONSIDER, DO
 - THE FAA HANDBOOKS

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THE ACS, FOR THE FIRST TIME

- PROVIDES STANDARDS FOR KNOWLEDGE
- REQUIRES APPLICANTS TO DEMONSTRATE THE ABILITY TO IDENTIFY, ASSESS AND MITIGATE RISKS





AIRMAN CERTIFICATION STANDARDS (ACS)

- A NEW WAY OF THINKING ABOUT MANAGING THE RISKS OF FLIGHT
- A RICHER, EXPANDED, MORE SPECIFIC VOCABULARY



STANDARDS FOR RISK MANAGEMENT

- PROVIDE NEEDED GUIDANCE TO INSTRUCTORS AND EVALUATORS
- CONVERT FORMERLY SUBJECTIVE AREAS INTO OBJECTIVE ONES
- ESTABLISH RISK MANAGEMENT AS A HABITUAL PROCESS



HABITS

- EASIER TO TEACH AND EVALUATE THAN ATTITUDES
- HABITS THEN CHANGE ATTITUDES





EXAMPLES OF AVIATION HABITS

- METICULOUSLY INSPECTING OUR AIRCRAFT BEFORE TAKING IT INTO THE AIR
- USING CHECKLISTS
- FASTENING SEATBELTS
- CHECKING FLIGHT CONTROLS
- MANY, MANY MORE

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RISK MANAGEMENT

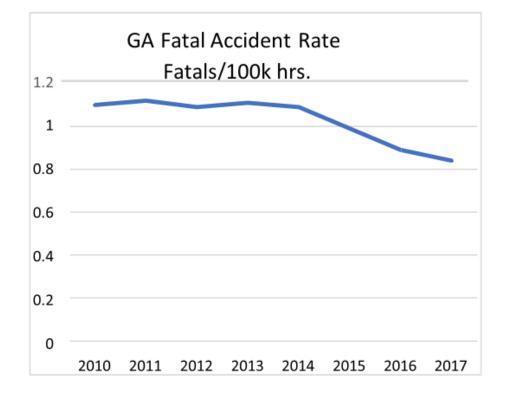
• ANOTHER HABIT THAT WILL SERVE PILOTS WELL FOR THE REST OF THEIR FLYING





SCENARIO-BASED TRAINING

- IS THE IDEAL WAY FOR A LEARNING PILOT TO DEVELOP THE HABITS OF
 - MAINTAINING SITUATIONAL AWARENESS
 - ACTIVE RISK IDENTIFICATION



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Questions or Comments?





EXERCISE LEADERSHIP

• ENSURE PILOTS LEARN HOW TO DEVELOP THE HABIT OF IDENTIFYING THE RISKS OF FLIGHT





EXERCISE LEADERSHIP

• HELP PILOTS BE INTROSPECTIVE ABOUT WHY THEY MIGHT BE RESISTANT TO MITIGATING RISKS

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THE FUTURE OF OUR COMMUNITY DEPENDS ON IT





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Thanks for Watching!



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