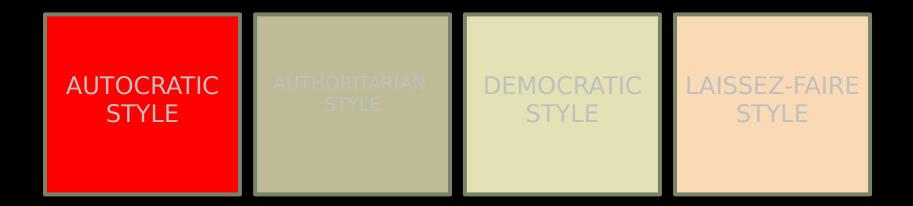
AERONAUTICAL DECISION MAKING

COMMAND AND LEADERSHIP COMMAND ? • Designated by Organization • Cannot be Shared

LEADERSHIP ?

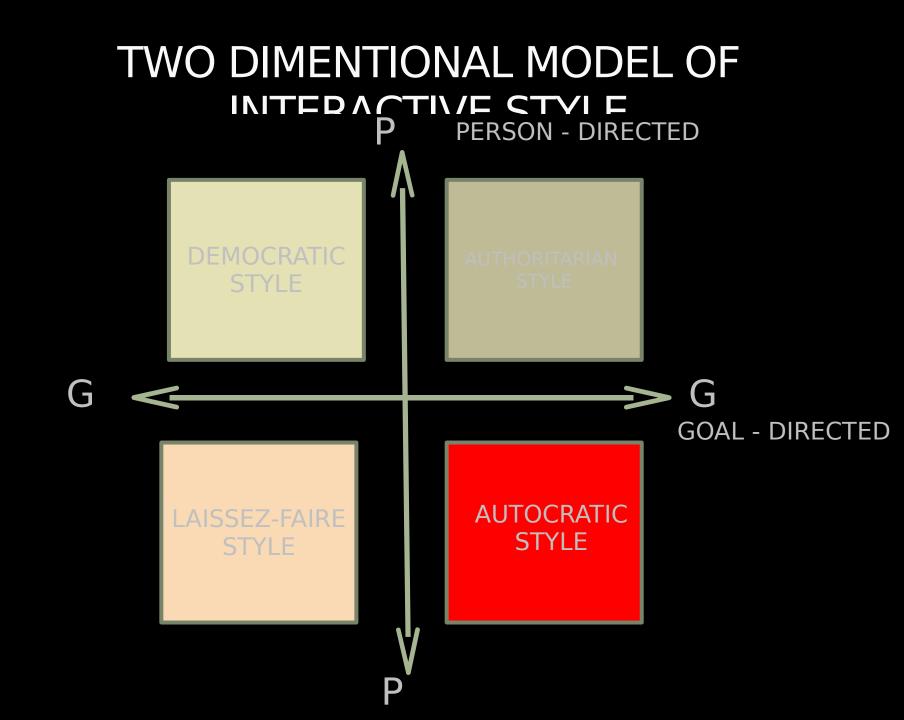
Shared among Crewmembers
Focuses on "What's right," not "Who's right"

LEADERSHIP STYLE



PARTICIPATION





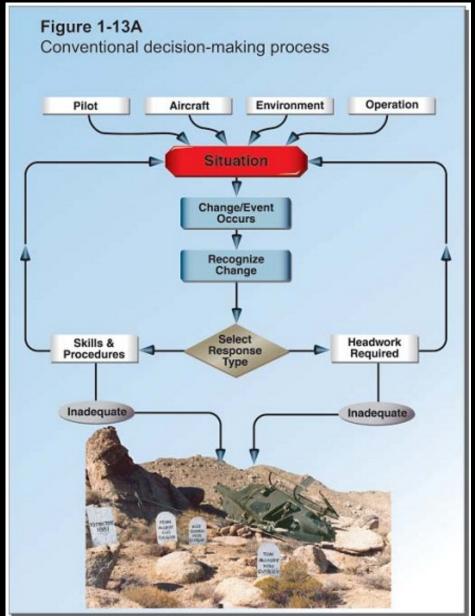
DECISION MAKING

The ability to use logical and sound judgment to make decisions based on available information

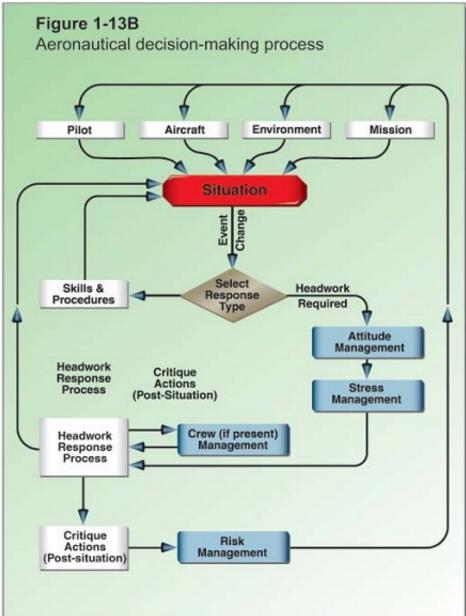
Effective DM includes

- Assessing the problem
- Verifying information
- Identifying solutions
- Anticipating consequences of decisions
- Informing others of decision and rationale
- Evaluating decisions

Decision Making Process



Decision Making Process



Hazardous Attitudes and Antidotes

Hazardous Attitude

Anti-authority: Don't tell me.

Impulsivity: Do something quicky.

Invulnerability: It won't happen to me.

Macho: I can do it.

Resignation: What's the use?

Antidote

Follow the rules. They are usually right.

Not so fast. Think first.

It could happen to me.

Taking chances is foolish.

I'm not helpless. I can make a difference.

DECISION MAKING

ODECISION MAKING WHEEL

OCLEAR MODEL

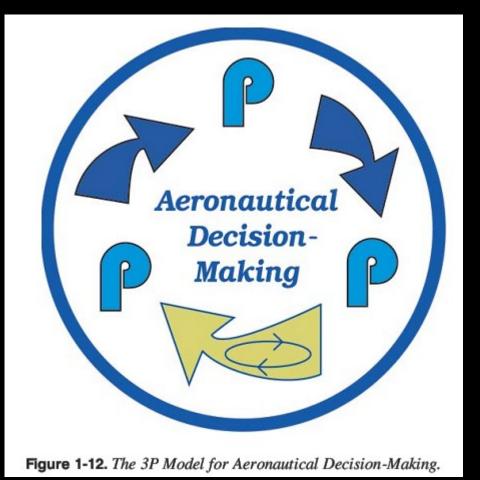
OBCIDE MODEL

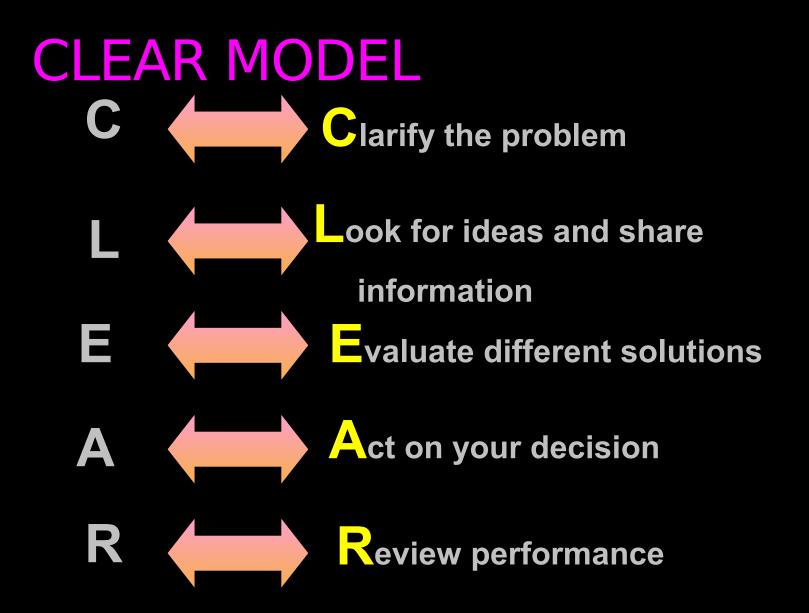


Perceive, Process, Perform

Perceive the given set of circumstances for a flight; Process by evaluating their impact on flight safety;

Perform by implementing the best course of action.











SOLUTION CENTRED GROUP

SOLUTION DEFINED

An aircraft is on normal routine flight. About 30 min after take off, No.1 Engine Oil Pressure Caution Light On. What will be the crew sequence of action?

Master Caution Light On

- Engine oil Pressure Caution Light On
- Two caution light on
- Oil pressure gauge zero
- Engine oil temperature rise
- What happened
- Engine oil system failure
- Action

С

Ε

A

R

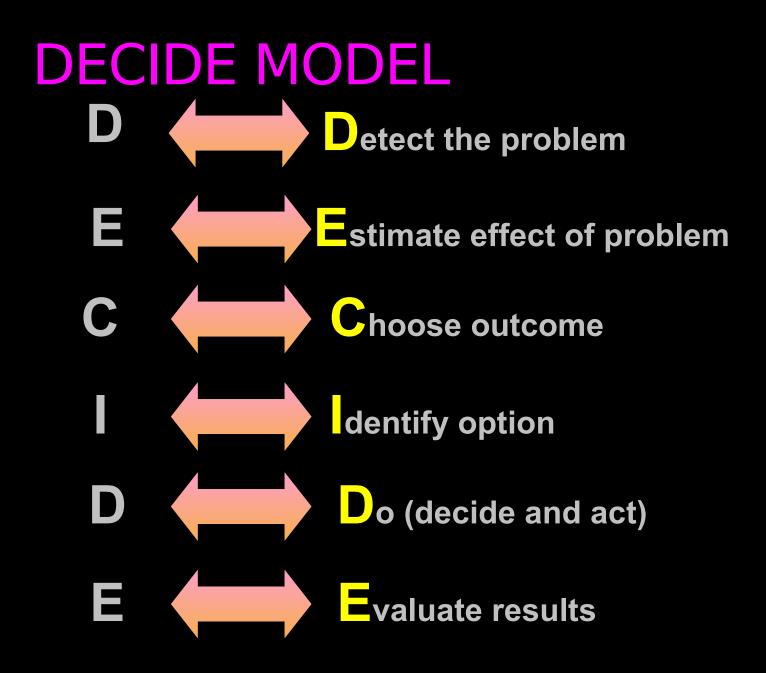
- Immediate action (secure engine)
- Return to base
- Have one done the correct action and procedures



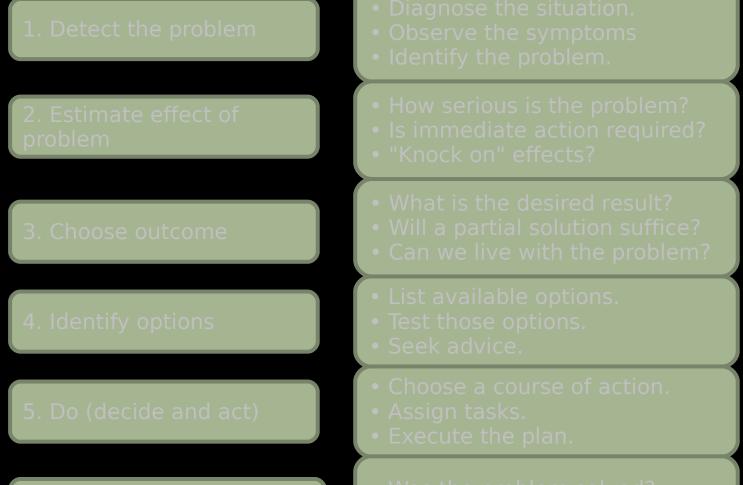
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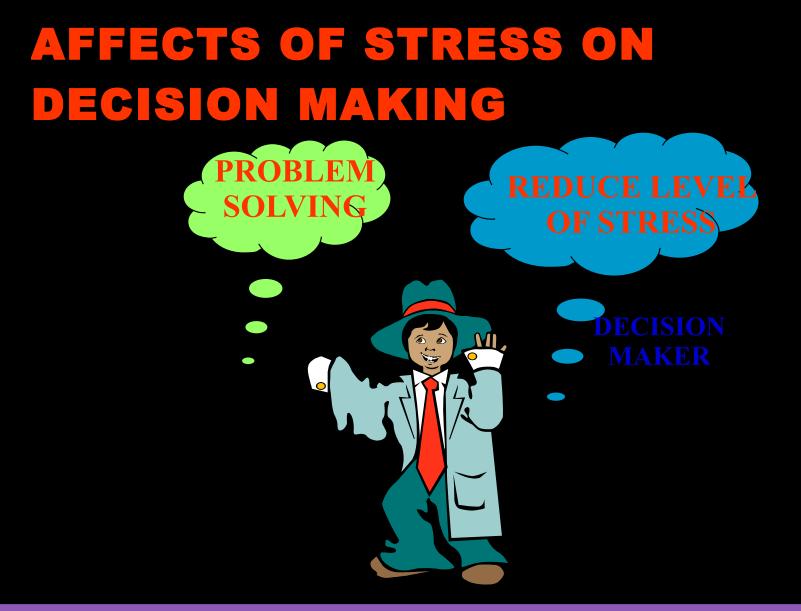


DECIDE MODEL

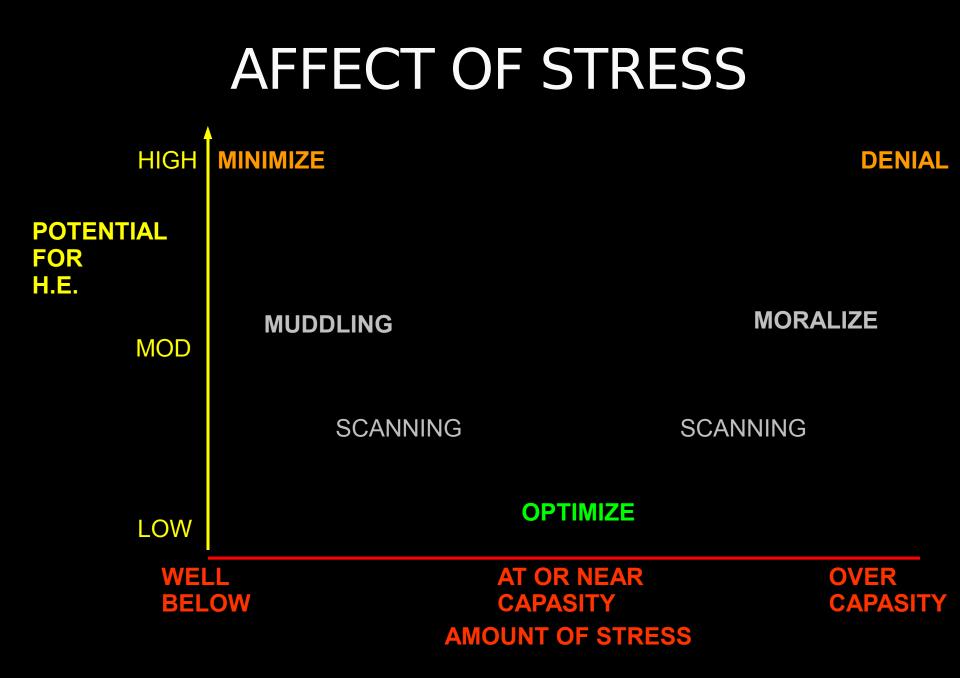


6. Evaluate results

Was the problem solved?If no, repeat the process.



REDUCE STRESS + SOLVE PROBLEM = GOOD DECISION



Factors which promote good Decision Making

Teamwork

- Extra time to make decision
- Alert crew members
- Decision strategies and experience

Remember

- Good decisions optimize risk management and minimize errors, while poor decisions increase them
- Each decision affects your future options
- Poor judgement or decision making is a leading cause of failure to complete missions and of mishaps

Thank

Congratulations, here is what you've just accomplished;

Decision Making in Aviation

To know more shout now exciting subject

Hazani Razalli 3