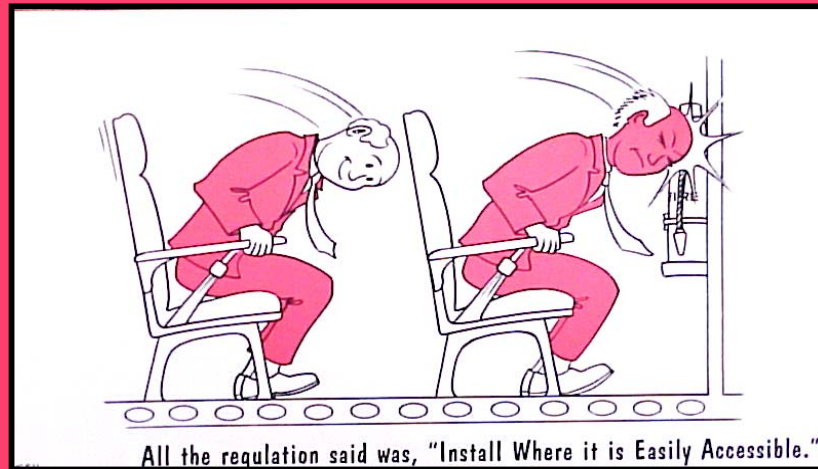


Loss of Situational Awareness.

Proud member of the DIRTY DOZEN

“The Dirty Dozen”

1. Lack of Communication
2. Complacency
3. Lack of Knowledge
4. Distraction
5. Lack of Teamwork
6. Fatigue
7. Lack of Resources
8. Pressure
9. Lack of Assertiveness
10. Stress
11. Lack of Awareness
12. Norms



Safety Nets



Think of what may occur in the event of an accident.



Check to see if your work will conflict with an existing modification or repair.



Ask others if they can see any problem with the work done.

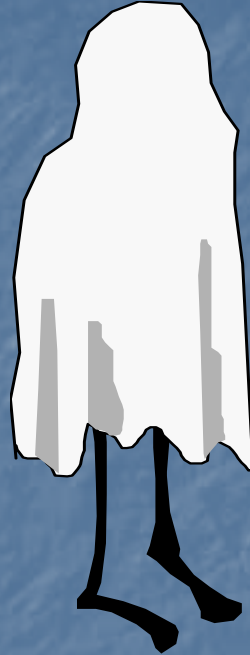
SITUATIONAL AWARENESS

***As much as 88% of human error is
due to problems with
Situational Awareness***

Human Error

Inadvertent action, inadvertently doing other than what should have been done, slip, lapse, mistake.

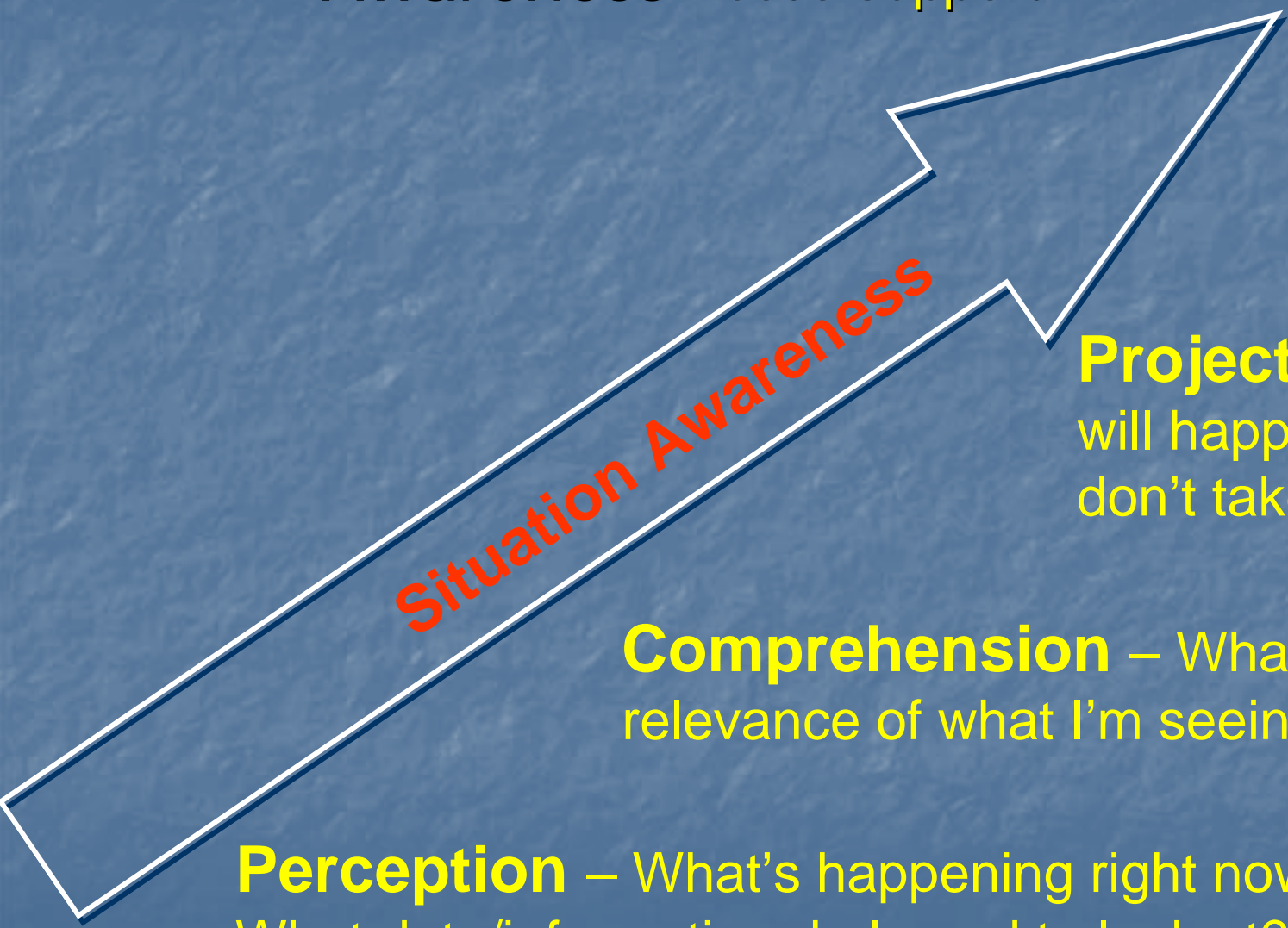
Situation Awareness



Situation Awareness - The ability to maintain awareness of what is happening on the aircraft, ramp, or the hangar, as well as what is happening on the task.

Refers to the degree of accuracy by which one's perception of his/her current environment mirrors reality.

Know What Stage of **Situational Awareness** Needs Support



Situation Awareness

Projection – What will happen if I do or don't take action?

Comprehension – What is the relevance of what I'm seeing?

Perception – What's happening right now?
What data/information do I need to look at?

Situation Awareness

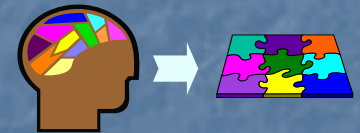
Is the Ability of...

- **Perception:** elements (e.g., people and equipment) in the work environment



- Where they are now
- Whether they are moving or stationary

- **Comprehension:** the importance of what you see, especially with regard to hazards/problems



- **Projection:** the status of the elements for the near future (i.e., determine future implications) in order to detect situations requiring action



Situational Awareness

- Knowledge of all pertinent aspects of your surroundings as it applies to the safe accomplishment of a task.
- **Some Elements of Situational Awareness**
 - Weather, Aircraft Condition and Capabilities
 - Stated Goals or Objectives
 - Your Physical, Mental and Emotional State
 - Crew Tasking and Available Resources

1982

What is Situational Awareness?



"I've got it, too, Omar ... a strange feeling like we've just been going in circles."

SITUATIONAL AWARENESS

SEEING THE BIG PICTURE



Situational Awareness Summary

- Seeing *The BIG PICTURE!*
 - The more informed you are about what is supposed to happen, the better you can evaluate the safety and effectiveness of your situation.
 - A person's state of knowledge or mental model of the situation around him or her.