Situational Awareness – A Key to Being Safe
•Then came the wings……

•Now What ????
What have I gotten myself into ?????
Let’s Talk Situational Awareness

Situational Awareness ...

Is the **perception** of the elements in the environment within a volume of time and space, the **comprehension** of their meaning, and the **projection** of their status in the near future.

*Endsley (1995)*
Aviation Industry Definition

“Continuous extraction of environmental information, integration of this information with previous knowledge to form a coherent mental picture, and use that picture in directing further perception and anticipating future events”    Dominguez 1994
Simple Definition
Knowing what is going on around you

Tools:
Peripheral vision; direct vision is not always enough
Automatic Scan; but are we focused on the right thing?
Visualization; practice safety; a 30 second review is always a good practice
Intuition; pay attention to your “GUT INSTINCTS”
PROaction versus Reaction
Workload Management requires planning and preparation

CRM  !!!
Our knowledge, experience and education enable us to understand what is going on around us and helps us to determine if it is safe. This means that everyone's situational awareness is individually and potentially different. Situational awareness enables an individual to make the most appropriate decision to ensure their own safety and that of others. It requires an individual to have:

- an awareness/perception of the environment in which they work and the consequent hazards/threats
- the comprehension to evaluate the situation and potential risks from hazards/threats
- the ability to respond in an appropriate manner to avoid the risks or reduce their impact ahead.
Look for opportunity to include situational awareness best practices in training and scenarios

How to develop, how to maintain, how you lose it and how to get it back

Increased technology doesn't increase situational awareness.
Safety Management System
systematic approach to managing safety

- Training to support a safety culture
- Proactive approach to better managing your workload
- Best choice: no matter how much experience; try to contemplate the best choice(s) for a given situation
- Recognize avenues for support/be open learn from others
• Situational Awareness provides for an increased awareness of risk which in turn allows for the development of precautions and strategies to better manage the risk. An effective safety culture is dependent on an understanding of risk factors and effective mitigation of those risks.
RISK ANALYSIS → SITUATIONAL AWARENESS

It is most effective when both RA & SA can be built into what you have to do anyway....Procedures, Checklists and Training

Workload Management is a basic responsibility for all Cabin Crew; who should monitor workload, recognize overload in themselves and others and to raise concern(s) when needed. Being distracted and rushed are frequent indicators of overload faced daily by crews.

Look for the “greater payoff”; the old 80/20 rule (Pareto Principle) this rule says that 20% of your activities will account for 80% of your results.

Easier said than done....realizing that by eliminating the distractions and keeping your focus; you will minimize errors.
You can always improve your SA

Learn to predict events
Take time to recognize your surroundings, to evaluate and understand the situation
Trust your feelings; continually assess your situation
Avoid complacency
Prevent fatigue
Monitor the performance of others; limit situational overload
If you have trained for a situation, you are more likely to execute the correct actions when it occurs in real life. This is partly because you know what the situation looks like and can anticipate what is going to happen. This is why in flight training, we repeat exercises where a critical response is required.

When you train; look for every opportunity to include situational awareness in your program; in your scenarios and in your procedures.

Call attention to how improved situational awareness provides more effective response in all we do.