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*Safety Management Systems . . .  
. . . . the Road to Implementation*

Helen & Martin Kimmel Center  
Manhattan, New York  
24 Mar, 2006



# MISTAKES

IT COULD BE THAT THE PURPOSE OF YOUR LIFE IS  
ONLY TO SERVE AS A WARNING TO OTHERS.

## *What did SMS look like when ACTS began to get involved?*

- Transport Canada only had ideas of what they wanted
- They briefed us on the goals, and we started to build it
- Expertise from the branches all contributed to *“where we thought we needed to be”*
- But our world was really our worldS

## *Where are we today?*

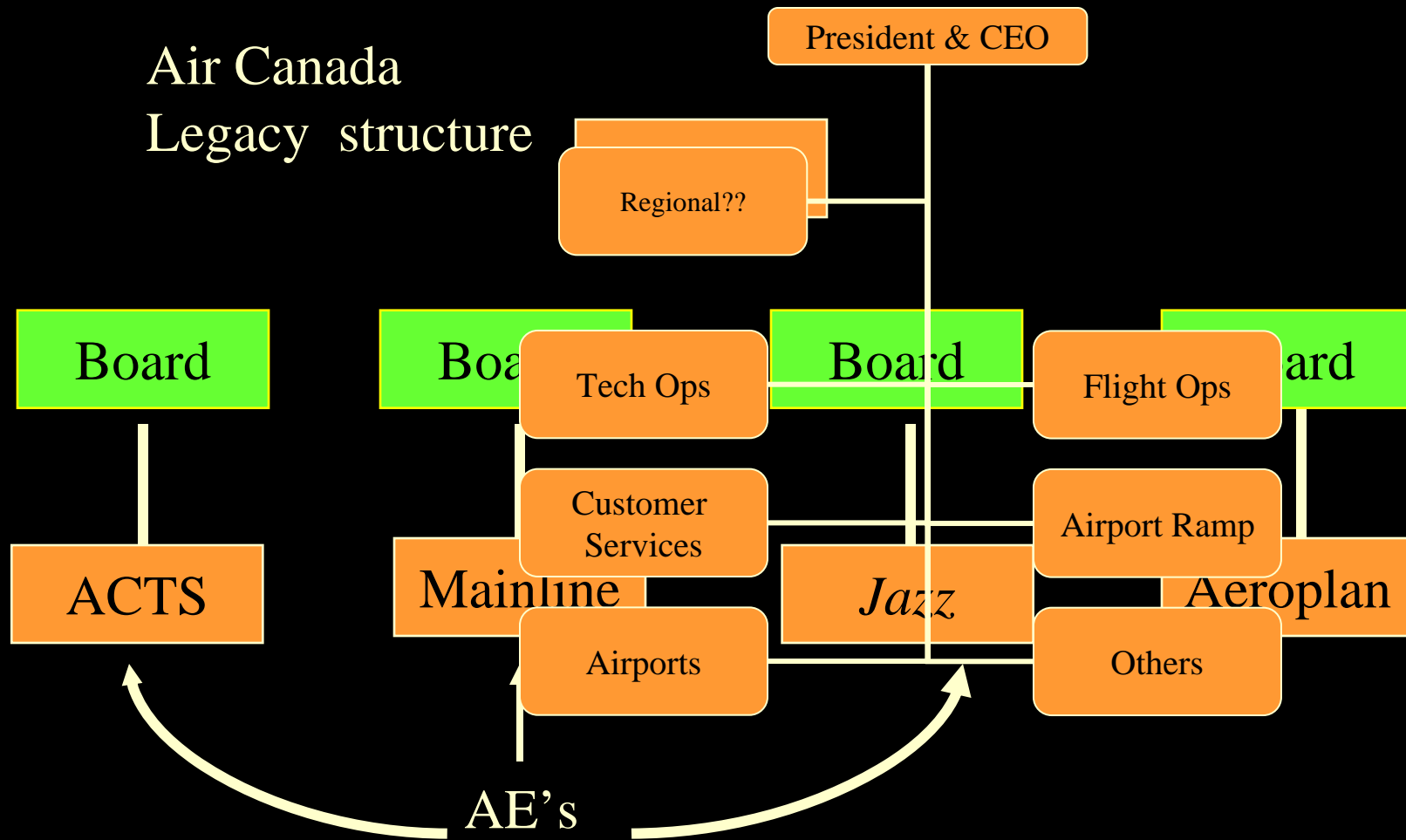
So far, as an independent within ACE we have:

- Re-aligned to match our new corporate structure
  - established a quality-safety monitoring team(s)
  - published our SMS manual(s)
  - defined the data collection system requirements
- In my opinion, we're about here:



# Corporate Structure ????

Air Canada  
Legacy structure



Legislation & guidance now caters to this – *it's the future of the industry*

# *What we're gonna do today*

- QA - AOSH & the rest
- Making it really work
- Group Mechanics
- Building Common Understanding

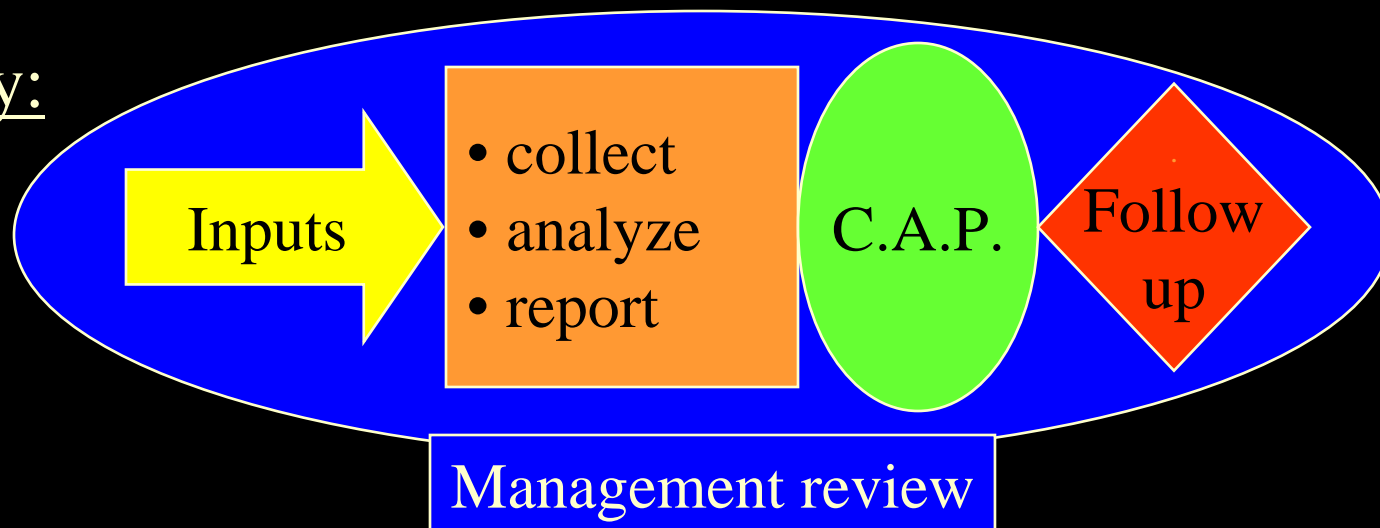


# *SMS - the Quality Assurance Piece*

## Common Misconception:

- Quality Assurance only deals with production quality issues

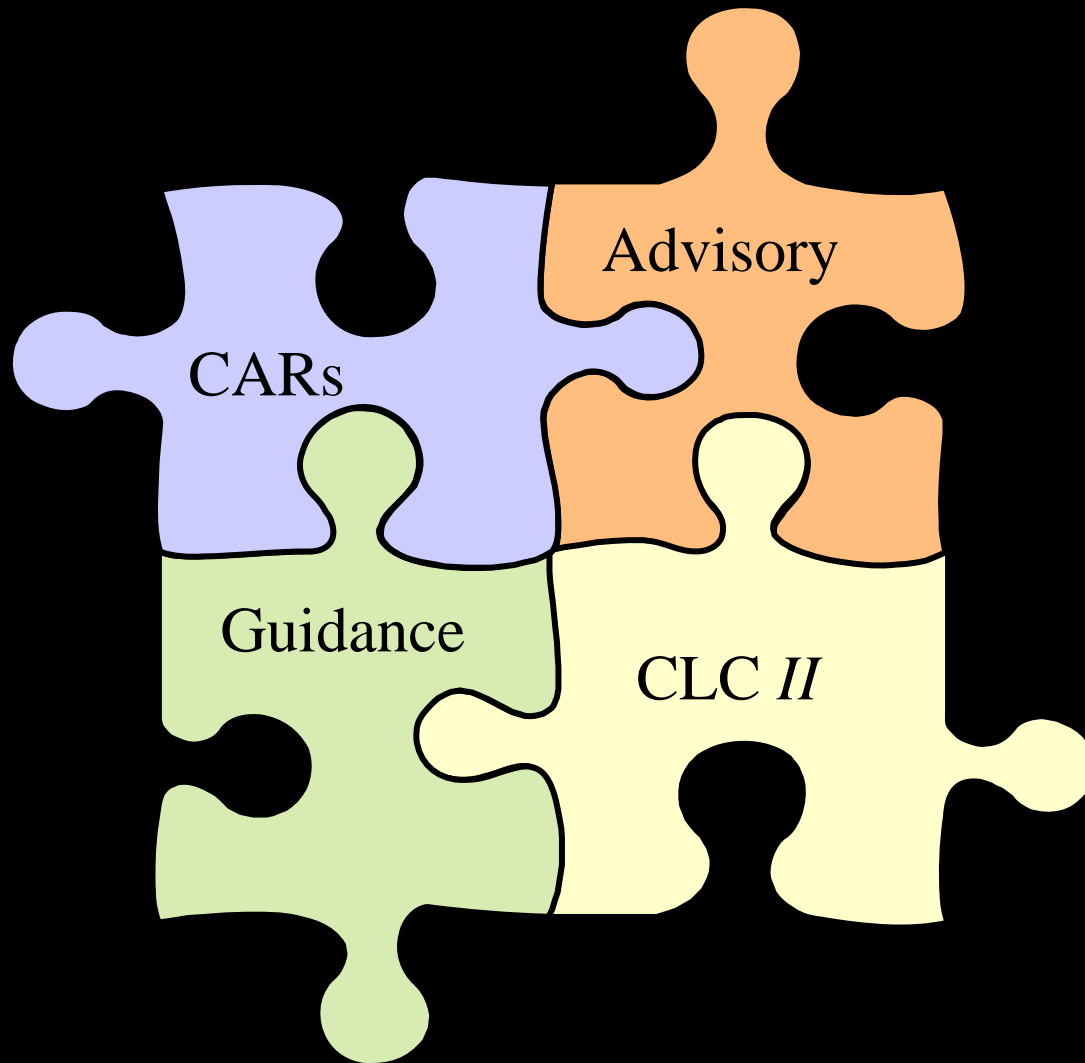
## Reality:



Any exception can be used as an input



# *AOSH & the rest*



Are you  
prepared to  
provide the  
answers?

# *SMS – OSH – where should we go*

Companies need to develop a want to strategy

- Managers need to understand these rules
- We need to get predictive in data collecting

We need to **DO SOMETHING** with the reports:

- reports should feed the SMS database to implement & track corrective actions

# *What we're gonna do today*

- QA - AOSH & the rest
- Making it really work
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## *So what's the real secret*

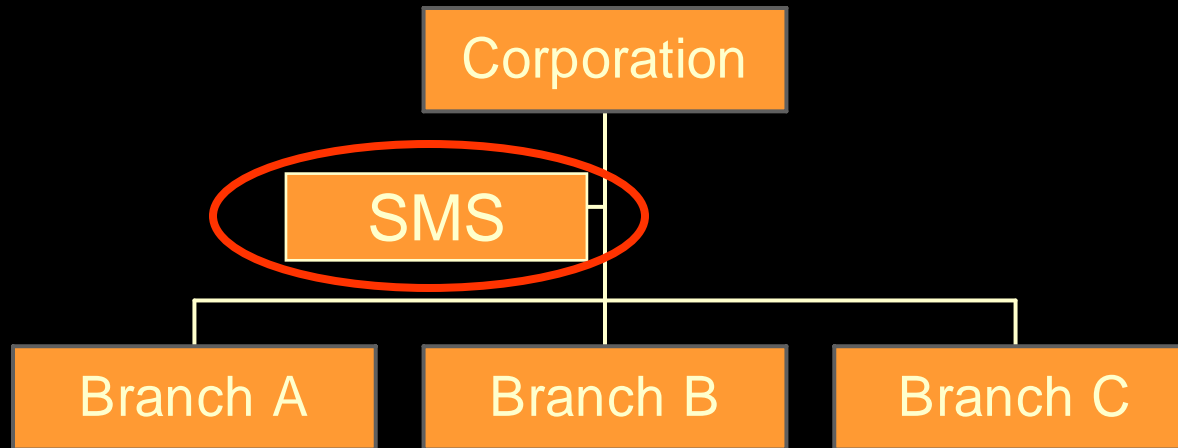
- Keeping the principles straight, and allowing for variances as needed.
- So what is the key principal:
  - the production areas must be accountable and responsible for safety

# *What is one thing SMS is not?*

An excuse to build a corporate safety committee (*spelled **e-m-p-i-r-e***) that:

- usurps accountability from established management channels
- acts as the “safety cops”
- dictates policy downwards

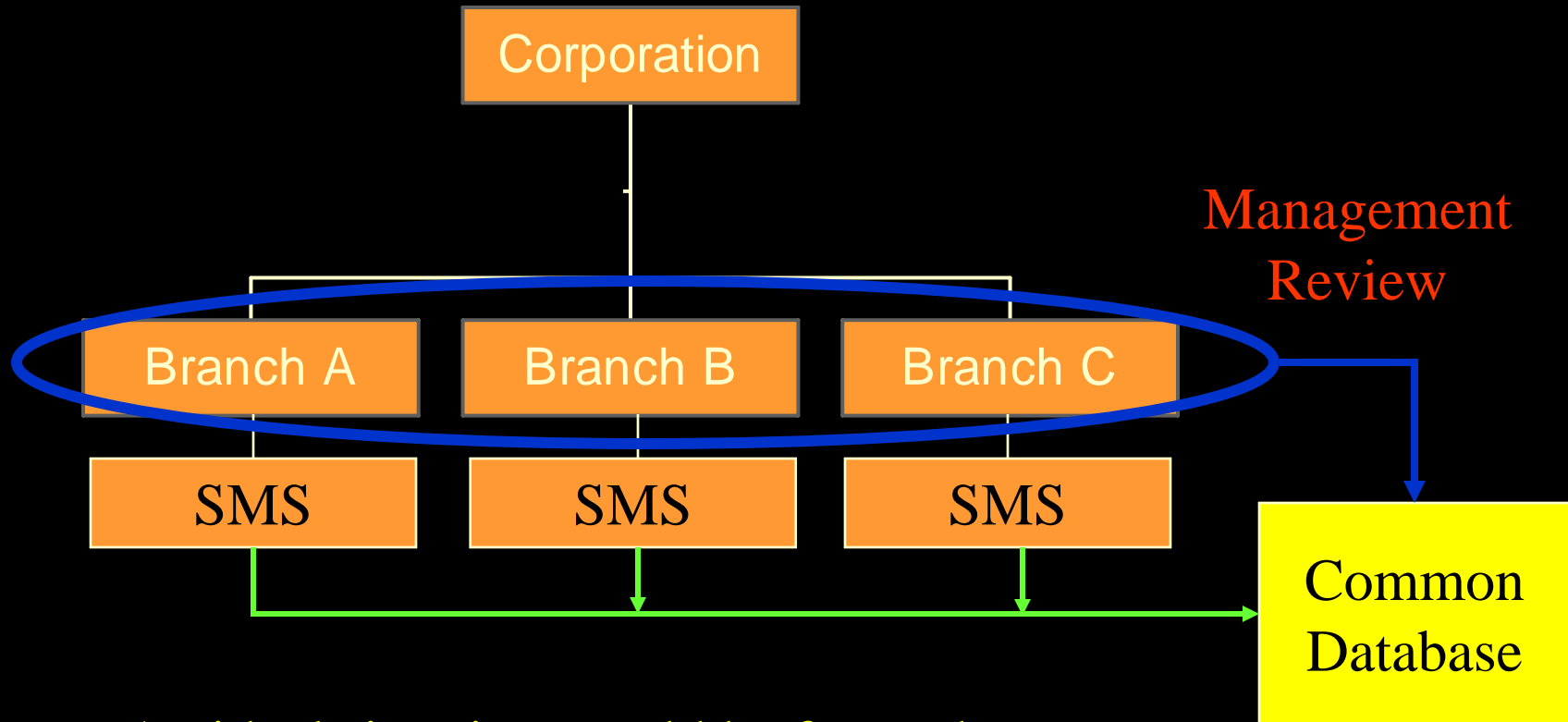
# *What's Acceptable*



SMS can be here only if :

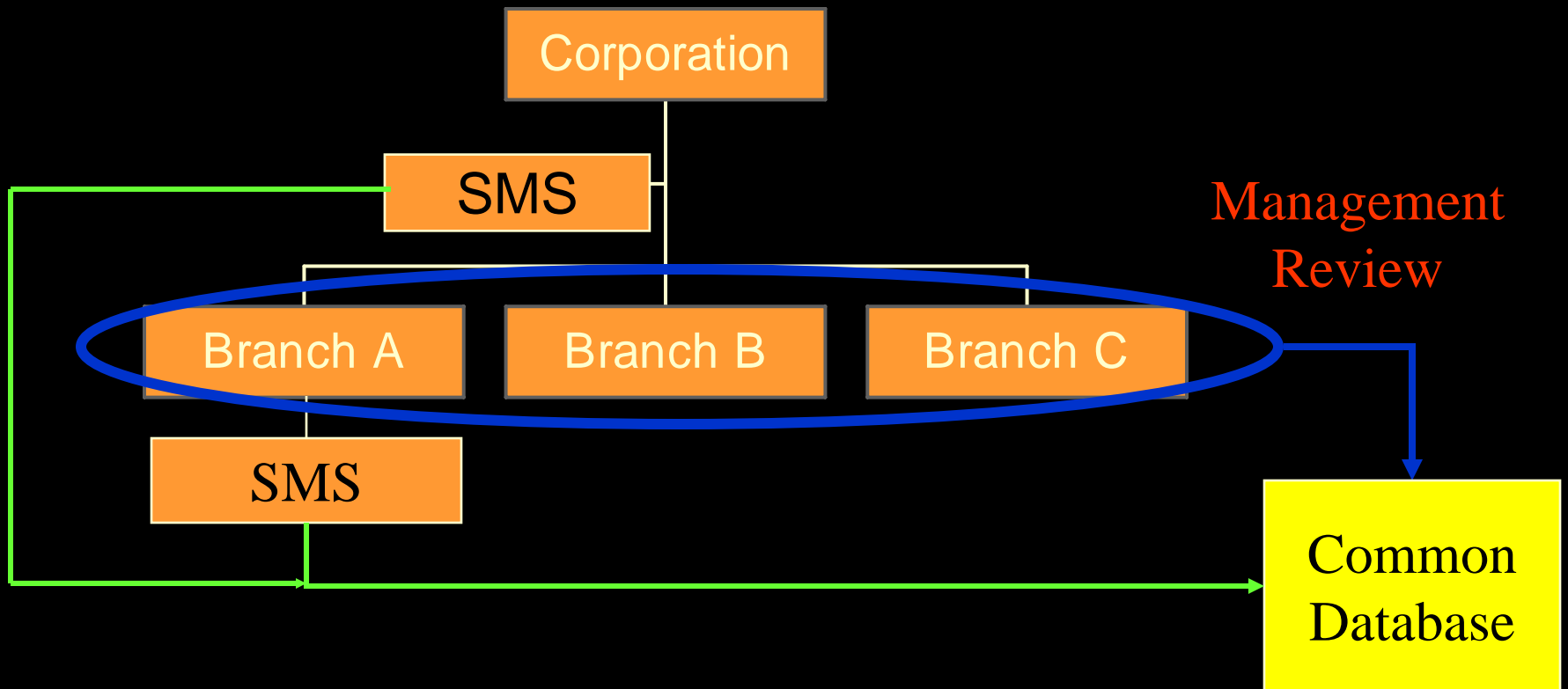
- a) it's role is limited to data collection & reporting
- b) all reports are filed with branch management for handling
- c) other than trends, nothing gets to the corporation unless all attempts to fix it within the branch have been exhausted.

# *What's Acceptable*



An ideal situation would be for each branch to handle its own SMS issues

*Or maybe a hybrid is required*





# *What we're gonna do today*

- QA - AOSH & the rest
- Making it really work
- Group Mechanics
- Building Common Understanding



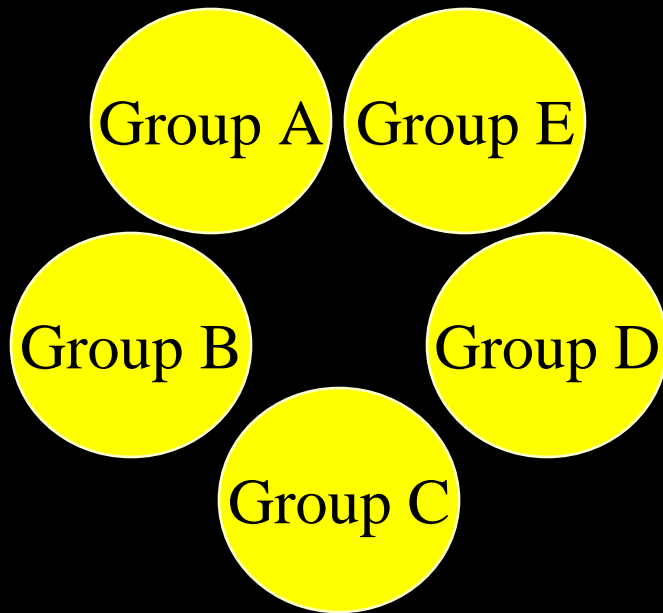
*The Need*

?

UNDERGROUND

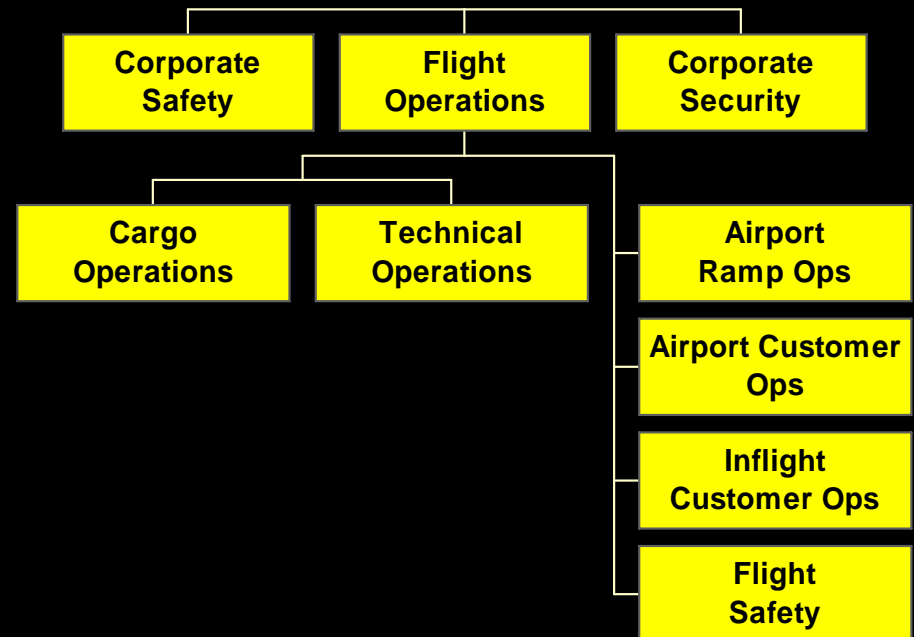
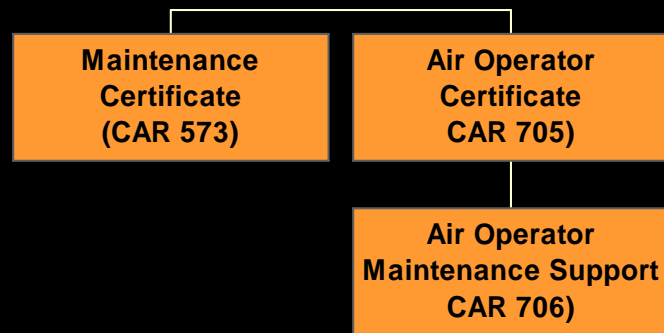
MIND THE GAP

# *Group Mechanics*



- perceived hierarchies
- sub-group dynamics
- degree of exposition
- areas of expertise

# *Group Mechanics - perceived hierarchies*



# *Group Mechanics - degree of exposition*

<b>Flight Ops</b>			
<b>Technical Ops</b>	<b>Flight Safety</b>	<b>Corporate Security</b>	<b>Airport Ramp Ops</b>
<b>Corporate Safety</b>	<b>Inflight Ops</b>	<b>Cargo Ops</b>	<b>Airport Counter Ops</b>
highly regulated	moderately regulated	Becoming <sup>Note 1</sup> regulated	not regulated
highly documented	moderately documented	slightly documented	little documentation

Note 1: this requirement changed dramatically following 9/11

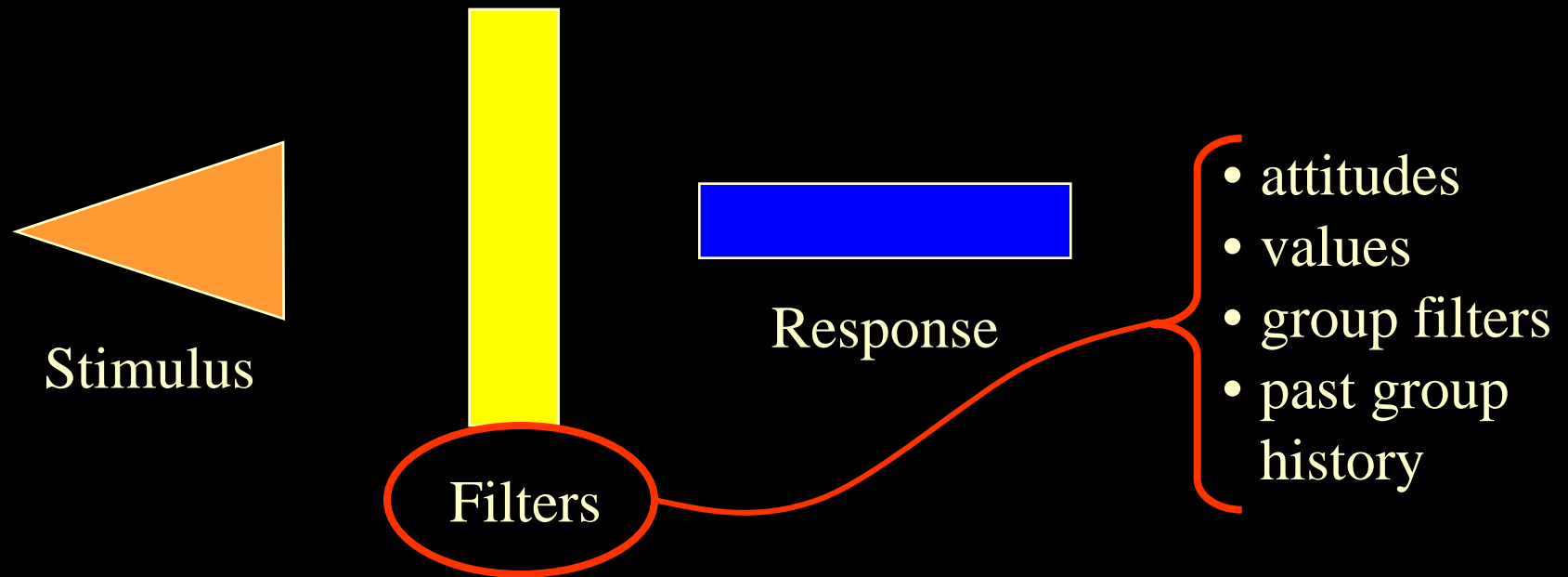
# *Group Mechanics - sub-group dynamics*

	Union	Relationship	Qualifications	Leadership
Branch A	Yes	Cordial	Licensed	Command
Branch B	Yes	Partnership	Licensed	Collaborative
Branch C	No	N/A	Professional	Limited Consultation
Branch D	No	N/A	Licensed	Advisory
Branch E	Yes	Strained	Highly Trained	Command
Branch F	Yes	Strained	Some Training	Limited Consultation

# *Group Mechanics - areas of expertise*

<b>Flight Ops</b>	<b>Documented SOPs</b>
<b>Technical Ops</b>	<b>Quality Assurance &amp; Quality Systems</b>
<b>Corporate Safety</b>	<b>AOSH and environmental compliance</b>
<b>Flight Safety</b>	<b>Voluntary, non-punitive reporting</b>

# *Group Mechanics - the result*



Lots of room for misunderstandings



# *What we're gonna do today*

- SMS - what it is
- QA - AOSH & the rest
- Making it really work
- Group Mechanics
- Building Common Understanding



# *Building Common Experience*

- Try to get to know the players, and determine how they think.
- This will require trust:
  - ask for it, until you're proven wrong
  - explain the process you'll be using
  - explain how things will be approved

# *Building Common Experience*

- Use Covey: start with the end in mind
  - If you don't know the end, share the principles with the team and develop the end
  - Do a GAP analysis
  - design the hole fillers
  - implement
- But what do you do about old history that they won't let go?



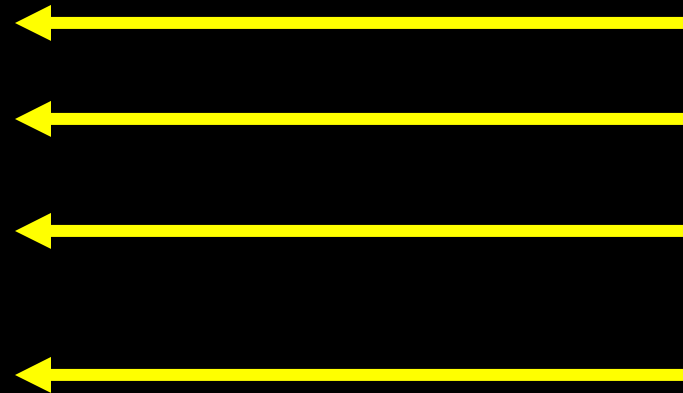
Consider adopting a Parking Lot

# *Building Common Experience*

- Put all controversial issues into the Lot
  - legitimate concerns that need to be fixed
  - “baggage” about how things went wrong before
- deal with legitimate items as your process develops
- at the end of the session, go to the Parking Lot & confirm all issues were handled.

# *Review - Here's what we did today*

- QA - AOSH & the rest
- Making it really work
- Group Mechanics
- Building Common Understanding



## *One last thing:*

- For real safety to work, it must start at the very top & work its way down



True



False

*Thank You*