Implementation
Lessons Learned
Main points

• Need focus on trim understanding, awareness, and use

• Have to control instructor mutations

• Need the RIGHT attitude
Top 10 lessons learning in 2016
Summary of lessons learned in 2016

#10 – “Stall warning has a definition; not ‘AIRSPEED LOW’”
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# 3 – “Rudder in upsets is often hazardous and unpredictable”
# 2 – “The stall recovery template applies to all altitudes”
# 1 – “Reducing angle of attack is the most important action”
Top 10 (I mean 17) lessons learning in 2018
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# 1 – “The simulator is where we get everyone’s attention”
Summary of lessons learned in 2018

# 0 – “Some not respecting sim envelope limits”
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# -5 – “The community is short on good surprise scenarios”
# -6 – “Seeing too much push too often”
What have we learned in the last year?
Lessons learned in the last year

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#22 – Had challenges with operators flying less-common aircraft
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#21 – Wikipedia does not have a monopoly on knowledge
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#11 – Struggles with defining proficiency, namely in ‘return to desired flightpath’
Lessons learned in the last year

# 10 – Some not doing full stall training in all flight control modes
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#  9 – Many questions on best way to reduce pitch
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#  6 – Pilots need to understand and experience feel system changes at some point
Lessons learned in the last year

# 5 – “Reduce AOA” (i.e., the guidance) still wins over “unload” or “push”
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# 2 – Trim understanding, awareness, and use needs more focus
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# 2 – Trim understanding, awareness, and use needs more focus
# 1 – Have to control instructor mutations
   - Not noticing getting outside simulator envelope
   - Not diagnosing significant errors (e.g., rolling pullouts, steps out of order)
   - Not understanding the new instructor operating station
   - Not training to proficiency
   - Not understanding what proficiency is
Math: Central Limit Theorem
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Average

Below average
Above average
Psychology: Central Limit Theorem application

People in this room

Pilot judgement
Psychology: Central Limit Theorem application

People in this room

Below average

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People in this room

Raise your hand if you think you are here

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Need the right attitude!

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Conclusions

• Need focus on trim understanding, awareness, and use

• Have to control instructor mutations

• Need the RIGHT attitude