

# UPRT During the Pandemic

## Deviations and some examples

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Administration



# Outline

- **A few deviations during pandemic**
- **Example UPRT session during pandemic**

# Exemptions during pandemic

- **There were no UPRT exemptions**
  - Scheduled carriers obtained other exemptions (donning oxygen masks, some recurrent proficiency check items, etc.)
  - See [faa.gov/coronavirus/regulatory\\_updates](https://www.faa.gov/coronavirus/regulatory_updates)

# **Example recurrent UPRT session during the pandemic (July 2021)**

- **A320**
- **Academic – 1 hr 20 mins**
- **Simulator – 2 hrs 30 mins**
- **Third or fourth recurrent UPRT session for each**
- **Both pilots completed proficiency check day before**

# Example content recurrent academic

- **Discuss manual flying proficiency practice**
  - One pilot flies with A/T off a couple times a month
  - Other pilot flies with A/T off once or twice a flight
  - Both noted common error of not matching thrust lever with N1 first
- **Review of A FLOOR → TOGA → TOGA LK → Getting out of it**
- **Re-automating techniques**

# Example content recurrent academic

- **Review of how sidestick takeover pushbutton work and lights**
- **Discussion of conditions causing autopilot to disconnect**
- **Bank angle limit reduction when in alpha prot**
- **Low speed stability differences in control law degradations**
- **Unreliable airspeed procedure (relevant review of AF447)**
  - Examples of unreliable airspeed events at the operator

# Example content recurrent simulator

1. **Freeplay**
2. **Practice automation recovery technique – attention to flight mode annunciators**
3. **A/T off & back on in various conditions...TOGA LK, etc**
  - Again focus on flight mode annunciators
  - Reminder on pushing instinctive disconnect button for 15 sec, then no more A/T rest of the flight
4. **Entry into Alpha Floor**
  - Review of appropriate CRM at operator for this
  - Observe transition to TOGA LK, and then steps for proper return to desired flightpath
5. **Sidestick takeover**
  - Review of procedure, appropriate CRM, lights

# Example content recurrent simulator

## 6. Flying in ALTERNATE LAW

- Demonstration of protections available
- Transitions in and out of DIRECT LAW with landing gear
- Showing that disconnecting A/T reduces trim workload

## 7. Low speed demonstration

- Manually fly below VLS in ALTERNATE LAW
- Finger on trim wheel for trim awareness
- Demonstrate that cannot engage A/P below VLS

## 8. One pilot flies to upset, other closes eyes, recovers at stall warning

- Pitch 15, roll 67; then pitch -15, roll 67; One pilot did not pull thrust on latter case

# Example content recurrent simulator

## 9. Approach to stall on final

- One pilot instinctively responded with thrust instead of AOA

## 10. Both pilots discuss the good and the bad

## BREAK

## 11. Set up for windshear recovery (but got a dual FMGC failure that caused initial misdiagnosis)

## 12. TCAS RA with an added distraction

## 13. Sidestick failure with other side taking over

## 14. High altitude full stall (dark and stormy conditions)

# Example content recurrent simulator

- 15. RA climb at FL350...caused going into VLS, which has happened in their operations
- 16. Both pilots discuss the good and bad

## BREAK

- 17. Windshear recovery (first time, cleaned up too early)
- 18. TCAS RA with an added distraction
- 19. Sidestick failure with other side taking over
- 20. High altitude full stall (dark and stormy conditions)
- 21. Bounced landing

# Summary

- **Operator takes UPRT very seriously and goes above regulatory requirements**
- **Allows for considerable practice in and out of automation**
- **My only criticism is, while their discussions are excellent, I would recommend repeating practical events to proficiency (they know this)**