

# ICAO Regional Workshop on Loss of Control in-Flight (LOC-I) and Upset Prevention and Recovery Training (UPRT)

Online Workshop 2020

17 & 18 November 2020

Explanatory note

## **Purpose**

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- To define strategy for implementing the five-year RASG-AFI Plan for UPRT in the RASG-AFI region, especially in the COVID-19 context
- To continue to sensitize and raise awareness of UPRT implementation to African Civil aviation sector;
- To build on the ICAO GASP to strengthen related guidance and plans
- To maintain the network within the RASG-AFI region for sharing information and experiences

## **Participant Groups**

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- Civil Aviation Authorities
- Air Operators (scheduled airlines, charter, freight, business, and helicopter)
- Flight training academies (ATO's, training schools)

## **Facilitators**

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Dr. Sunjoo Advani - President, International Development of Technology (IDT)

In 2009, Dr. Advani initiated the Royal Aeronautical Society working group ICATEE, a team of 75 members that defined the fundamental training and technology requirements for UPRT. This was supported by ICAO and led to the creation of ICAO 10011, the Manual on Aeroplane UPRT. He currently supports several airlines in implementing Competency-Based UPRT programs.

Dr. Jeffery Schroeder – Federal Aviation Administration (FAA)

Chief Scientific and Technical Advisor Simulation System

Mr. Papa Issa Mbengue, Coordinator, RASG-AFI Safety Support Group for LOC-I, ICAO ESAF

## **Summary of previous Workshop (2019)**

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Last of the last 4 session held since 2015 held in November 2019, in Lagos, Nigeria and hosted by the Nigerian Civil Aviation Authority covered the following subjects:

- a) Review of ICAO SARPs, FAA and EU regulatory provisions on UPRT
- b) Development of Competency-Based UPRT Scenarios (groups workshop)
- c) Relevant Upset Training Issues such as;
  - Module 1 – General certification assumptions and possible pitfalls
  - Module 2 – Effects of automation and flight envelope protection
  - Module 3 – Aircraft systems interactions
  - Module 4 – Developing training programs based on operational data

#### d) Related B737MAX Discussions

- Module 5 – FAA evaluations and international collaboration
- Module 6 – FAA Independent Technical Advisory Board Review
- Module 7 – FAA safety analysis
- Module 8 – Pilot training and simulator consideration

## **RASG LOC-I and UPRT WORKSHOP 2020**

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### **Background**

UPRT was developed through ICAO to mitigate aviation's biggest safety risk: LOC-I. While the ICAO SARPs relating to UPRT have been applicable since 13 November 2014, States needed some time to adapt their system and some of them have even set year 2021 for mandatory implementation of UPRT.

Nonetheless, the reality of the COVID-19 pandemic has triggered unprecedented challenges to the aviation industry. Consequently, many airlines have received alleviations to their UPRT implementation by their regional authorities.

However, there remains issues related to increased number of pilots grounded or inactive for extended periods due to the pandemic, and the risk of skills and knowledge degradation. Furthermore, training budgets are under tremendous pressure, requiring airlines to re-think on what specific areas they absolutely must train.

It is therefore important to critically look at what UPRT is possible in spite of these challenges, and to consider appropriate interim solutions.

The Workshop will help clarify:

- The minimum UPRT required for airline to implement in the interim
- The academic elements needed to be covered in the interim
- Possible UPRT that can be conducted in “unmodified” flight simulators, and provisions to ensure effective training
- Skills needed to prepare instructors to maintain safe and effective training
- Consideration or exploration of online UPRT and associated modalities
- The other factors which need to be taken into account to prevent LOC-I occurrences

## **ICAO Regional Workshop on Loss of Control in-Flight (LOC-I) and Upset Prevention and Recovery Training (UPRT)**

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### **Provisional Workshop Agenda (Nairobi time, GMT+3)**

<b>17 November 2020</b>		<b>18 November 2020</b>	
14.00	Introduction - Welcome remarks and opening- ICAO	14.00	Introduction
14.15	RASG-AFI LOC-I Champion presentation	14.15	Building on the ICAO Global Aviation Safety Plan (GASP) to strengthen related guidance and plans
14.30	Discussions-Issues and attendees wishes	14.45	Discussions-Issues and attendees wishes
15.00	Review of 2019 meeting	15.00	Instructor competencies - what is most important?
15.15	Lessons learned in UPRT	15.45	Regulators discussion - what next?
15.45	Key elements of academic training	16.45	Discussion - Q&A
16.30	Using flight simulators for UPRT	17.30	Wrap-up discussion
17.00	Discussion - Q&A	17.45	Requests for next year
18.00	Closing	18.00	Closing