



ICAO

UNITING AVIATION

Revision 3 to Airplane Upset Prevention and Recovery training Aid

Henry Defalque

TO/PEL

HIGH LEVEL SEMINAR ON LOC-I AND UPRT

(Johannesburg, 19 October 2017)

Outline

- Development process
- Outcome
- Main new features
- Access & Demonstration
- Update to Doc 10011 - Manual on Aeroplane Upset Prevention and Recovery Training
- On-going UPRT workshops



Development process

- **Why:**

- ❖ Revision 2 is arduous to use (440 pages) and not read by line pilots
- ❖ In 2012, LOSS OF CONTROL AVOIDANCE AND RECOVERY TRAINING meetings:
 - ❖ Regulators, OEMs, SMEs > 100 participants – 6 meetings
 - ❖ OEM break-out → new harmonized recovery techniques + need to amend the Airplane Upset Recovery Training Aid (updates/

- **How:**

- ❖ Meetings of OEM test pilots and ICAO to develop the revision and test scenarios
- ❖ Fully supported by the OEMs

- **Timeline:**

- ❖ May 2014: first meeting
- ❖ Published on-line February 2017
- ❖ Apps available for iPad and other mobiles since September 2017

Outcome

- **Available on-line at:**
<https://www.icao.int/safety/LOCI/Pages/default.aspx>
- **The version for laptop/desktop is for interactive use and not for download**
- **A version for download to mobiles (iPad...) is available:**

Tablets and Smartphones: “I am pleased to inform you that this application “**AUPRTA**” is now available on iTunes and APPLE STORE for IOS devices, and on Google Play and Play Store for Android devices.”

iTunes application

The banner features the 'iTunes Preview' title on the left. On the right, there are navigation links: 'Overview', 'Music', 'Video', and 'Ch'. The main content area has a light gray background. On the left side of this area is a screenshot of the iTunes application window, showing a music library with a 'Killers' album cover. To the right of the screenshot, the text reads: 'iTunes is the world's easiest way to organize and add to your digital media collection.' Below this, a message states: 'We are unable to find iTunes on your computer. To download the free app AUPRTA by Airbus SAS, get iTunes now.' At the bottom left, it says 'Already have iTunes? Click I Have iTunes to open it now.' and includes a button labeled 'I Have iTunes'. At the bottom right is a large blue button labeled 'Free Download' with a download icon.

AUPRTA

By Airbus SAS

This app is only available on the App Store for iOS devices.

[View More by This Developer](#)

 This app is designed for both iPhone and iPad

Free

Category: **Business**

Released: Sep 18, 2017

Version: 1.0.1

Size: 145 MB

Language: English

Seller: Airbus SAS

©

AIRBUS,ATR,BOEING,BOMBARDIER

Description

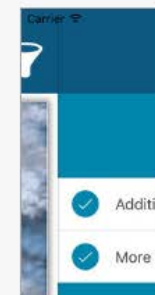
The application AUPRTA displays the manual "Airplane Upset Prevention and Recovery Training Aid" Revision 3. AUPRTA Rev 3 has been written by Flight Test, Training and Safety Department Pilots and Engineers from AIRBUS, BOEING, BOMBARDIER, EMBRAER and ATR with the support of ICAO.

[AUPRTA Support ▶](#)

[...More](#)

Screenshots

iPhone | iPad



Main new features

- **Expansion/change of scope:**
 - includes turbo-propeller aeroplanes
 - Emphasizes **prevention** of upsets over recovery
 - Immediate intervention to correct any divergence from desired flight path
 - **New definition of upset to prevent misuse in training:** An airplane upset is an undesired airplane state characterized by unintentional divergences from parameters normally experienced during operations.
 - Use of many videos/pictures to illustrate described concepts
 - Harmonized recovery techniques: nose high & nose low conditions
 - Updated FSTD training scenarios – **new: demo of rudder use**

Access & Demonstration

- **Access:** <https://www.icao.int/safety/LOCI/Pages/default.aspx>
- **Demonstration of use**

Update to Doc 10011

- Consequential to Amendment 5 to PANS-TRG: definitions, text where CBT is used and revised appendix on competency-based UPRT
- Consequential to Revision 3 to the AUPRTA: definitions, reference to AUPRTA paragraphs, updated training scenarios, alignment of recovery techniques
- An adapted competency model can be developed based on the **ICAO Competency framework for aeroplane pilots** – replacing the example of core competencies in current Doc 10011
- Update to other references: FAA AC, etc.
- Editorial improvements

On-going UPRT Workshops

Upcoming Training and workshops

Date	Location	Training-Type
16-19-Oct-2017	JNB, South-Africa	UPRT-Training-for-Inspectors
		UPRT-Training-for-Instructors
28-30-Nov-2017	Lima, Peru	UPRT-Workshop

Workshops Delivered

Date	Location
28-May-2015	Lima, Peru
5-6-August-2015	Istanbul, Turkey
15-16-May-2016	Seoul, Republic of Korea
18-19-May-2016	Singapore
7-8-September-2016	Toulouse, France
7-9-November-2016	Guangzhou, China
13-14-December-2016	Moscow, Russian Federation
19-21-December-2016	Addis Ababa, Ethiopia

