TAG GROUND COURSES
UPSET PREVENTION & RECOVERY TRAINING – MODULE 2

The objective of this course is to help flight crews acquire the required knowledge, skills and attitudes to prevent or recover from a developing or developed upset. Crews need to understand the danger of ignoring these signs, as well as the importance of taking immediate and appropriate action to mitigate the threat.

Training to prevent, recognise and recover from airplane upsets is about developing knowledge and the skill sets that make pilots aware of the threat and prompt them to initiate timely action. Prevention training prepares flight crews to avoid incidents whereas recovery training prepares flight crews to prevent an accident once an upset condition has occurred.

SYLLABUS

SECTION 1 – General
• Introduction
• Energy management (kinetic, potential, chemical)
• Aerodynamics low altitudes.
• Aeroplane performance at low altitudes
• Environmental
• Icing conditions and contamination effects
• Aircraft Systems – generic
• Manual and automatic inputs for guidance and control
• Management of Automation
• Pilot induced event
• Criteria for identifying stalls and upsets
• Positive and negative increasing and decreasing forces
• Lateral g awareness (steady heading sideslip)
• G load management

SECTION 2 – Skills
• Introduction
• Awareness
• Prevention
• Recovery

SECTION 3 – Procedures
• Introduction
• Safety review of accidents and incidents related to in flight loss of control.
• Effective scanning and monitoring
• Mechanical causes and contributing factors to upsets – generic.
• Use of rudder
• Management of go arounds in various stages of flight
• Timely & appropriate intervention in recovery from developed upsets
• Recovery from nose high at various bank angles
• Recovery from nose low at various bank angles
• Consolidated Summary of aeroplane recovery techniques – generic

This training is in accordance with: ICAO amendments to Annex 1, Annex 6 and PANS TRAINING, EASA issued an EASA ED (Executive Director) Decision mandating UPRT for all operators as of May 04, 2016.