

ICAO Action

ICAO agrees with the Swedish Accident Investigation Authority that from the point of the approach at 1 000 ft until the runway threshold, *Procedures for Air Navigation Services — Aircraft Operations*, Volume I — *Flight Procedures* (Doc 8168) (PANS-OPS) states that a stabilized approach shall be defined by the operator's standard operating procedures (SOPs), including speed ranges and crossing altitude deviation tolerances (e.g. when crossing the runway threshold). The SOPs should state that if an approach is not stabilized or has become destabilized at any subsequent point during an approach, a go-around is required.

The landing part begins when crossing the runway threshold and is described by the aircraft manufacturer in the aircraft flight manual approved by the State of Design and updated as required by the State of Registry. During the landing part, the flight crew must use the technique(s) prescribed by the aircraft flight manual (or the aircraft operating information contained in the operations manual). This is type-specific and adequately covered in the manuals.

Annex 6 — *Operation of Aircraft*, Part I — *International Commercial Air Transport — Aeroplanes*, Attachment B, 7.4 further states that the operator should provide the flight crew with a method to ensure that a full stop landing, with a safety margin acceptable to the State of the Operator, that is at least the minimum specified in the Type Certificate holder's aircraft flight manual (AFM), or equivalent, can be made on the runway to be used in the conditions existing at the time of landing and with the deceleration means that will be used.

As described in the aforementioned, the intent of the safety recommendation directed to ICAO has been implemented in existing ICAO provisions. Adding a term such as "safe landing concept" can create confusion and be detrimental to safety. The application of procedures is a competency that pilots should have to ensure safety during landings. These are covered in the *Manual on Evidence-based Training* (Doc 9995).