



## **The Jacobson Flare CD**

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**The files on this CD will run faster, and the video clips smoother, if the entire folder is uploaded into your hard drive into a suitable directory.**

#### **DISCLAIMER**

This original presentation is believed to be accurate at the time of preparation, but no warranty of accuracy or reliability is given and no liability is accepted for errors or omissions, of the source data (from any source) or of the calculations based on the source data or loss or damage (including but not limited to special, incidental, consequential, or other damages) suffered as a result of a person acting in reliance thereon. It is designed to stimulate discussion on a subject which has been taken for granted for too long, with the industry still using techniques which have not developed markedly from those used in 1915 while everything else has progressed.

The files and presentations contained on this CD are for illustrative and explanatory purposes only. They are not intended as a training course. Pilots should have the sense not to attempt to utilise the information here in flight operations without detailed briefing and flight training. Like anything in aviation, a thorough training program is considered essential.

While all attempts have been made to ensure the accuracy of these notes, please refer to Company Manuals, ERSA, Jeppesen and current Notams to ensure compliance with current QANTAS procedures.

## Contents

**File 1 The Jacobson Flare CD Contents – this file**

**File 2 The Jacobson Flare CASA 1997 Flight Safety Seminar Series Notes Pages accompanying Presentation.**

These could be printed first to provide bullet-point commentary for the following file:

**File 3 The Jacobson Flare CASA 1997 Flight Safety Seminar Series Presentation**

This presentation provides a non type-specific overview of the basic concepts and principles upon which the ‘Jacobson Flare’ is based. It includes several Quicktime©\* movie clips demonstrating the ‘Flare’. (\*See below)

**Files 4 & 5 Deleted**

**File 6 ILS\_T-VASIS\_PAPI & The 1000FT+300m Visual Aim Point Comparison**

Vertical TCH / MEHT is virtually unusable for pilots without some consideration of their longitudinal effect in relation to the nominated visual aim point for a given aircraft. Simply flying a navaid glideslope without this consideration may mislead the pilot into following a path which is at odds with the correct visual path required.

This spreadsheet simply converts the ILS TCH, and PAPI and T-VASIS MEHT’s into longitudinal aim points, so that they be compared with the required 1000 ft / 300 m visual aim point for the B737 (and similar-sized aircraft). The ILS and PAPI paths may need to be discontinued in favour of the visual aim point which takes precedence.

In the case of the T-VASIS, the last (right-hand) column includes a guide as to which T-VASIS indication (STD, 1 HIGH, or 1 LOW etc) could be flown to better align with the visual aim point.

**File 7 The Jacobson Flare Paper - Where To Flare**

This file contains the full discussion paper, developed since its first publication in November, 1987. It includes definitions, development of ideas and formulae, and several appendices, detailing application of the Jacobson Flare to specific aircraft types.

**File 8 JF for B737 (QF)**

This file has been produced specifically for the B737 CG/NG. It is a PowerPoint presentation, and is best viewed as a slide-show. Notes pages provide additional information.

## Other Files

The two movie files, LANDING1 and LANDING2 play automatically on cue from the presentation in File 3. However, they require the program Quicktime.

Acrobat Reader is included for downloading, as is QuickTime Movie Player. These programs need to be installed on your computer, if not already present. Updated versions may be downloaded from the internet.

**Note: These files were produced in 1987, using a much earlier version of Acrobat. In order for the imbedded video clips to play (automatically) on the latest versions of Acrobat Reader, during the course of the presentation contained in File 3, the following adjustments may have to be made:**

In *Acrobat Reader* Select:

1. **Edit / Preferences / Multimedia Trust (legacy)**
2. In Trust Options, **select Display Permissions for: Other Documents**
3. **Tick** check box to **Allow multimedia operations**
4. **Select**, then **change each** of the 4 **Permissions** to **Always**
5. **Tick each** of the 3 **Allow** (playback) check boxes
6. **Select OK**

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