

Commission Directive (EU) 2015/996 of 19 May 2015 establishing common noise assessment methods according to Directive 2002/49/EC of the European Parliament and of the Council (Text with EEA relevance)

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ANNEX

Appendix A

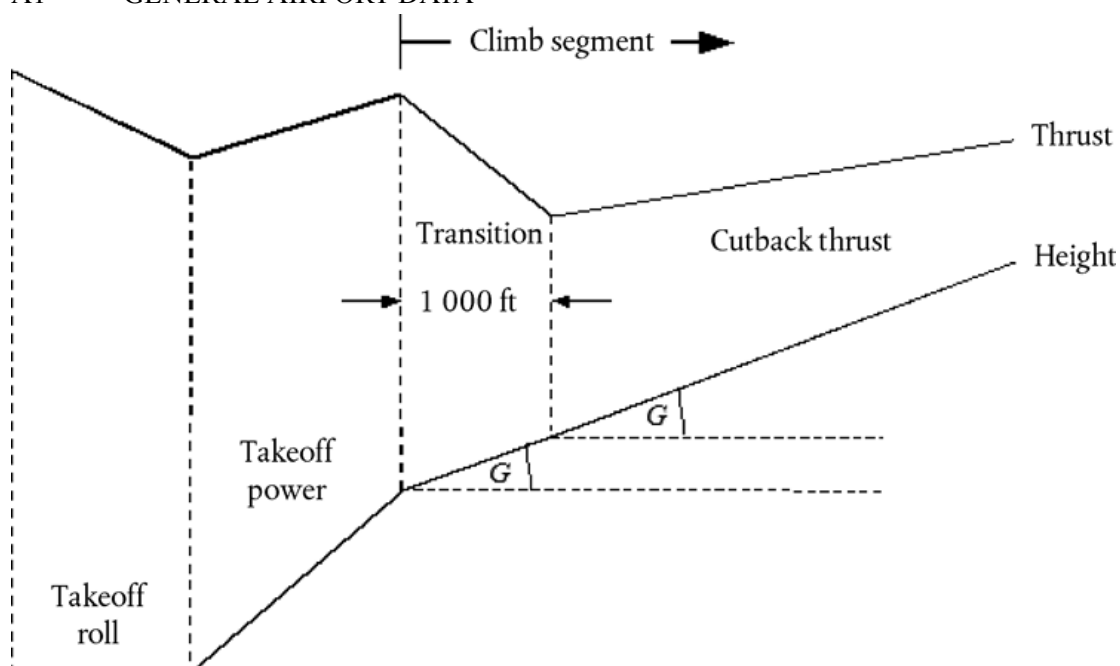
Data requirements

Section 2.7.6 of the main text describes in general terms the requirements for case-specific data describing an airport and its operations that are needed for noise contour calculations. The following datasheets are filled with example data for a hypothetical airport. Specific data formats will generally depend on the requirements and needs for the particular noise modelling system as well as the study scenario.

Note:

It is recommended that geographic information (reference points etc.) be specified in Cartesian coordinates. The choice of the particular coordinate system usually depends on the maps available.

A1 GENERAL AIRPORT DATA



A2 RUNWAY DESCRIPTION

$$g \left[N \cdot \overline{F_n / \delta} / \left(\overline{W / \delta} \right) - R / \cos \varepsilon \right]$$

For displaced thresholds, runway description may be repeated or displaced thresholds can be described in the ground track description section.

A3 GROUND TRACK DESCRIPTION

In the absence of radar data the following information is needed to describe particular ground tracks.

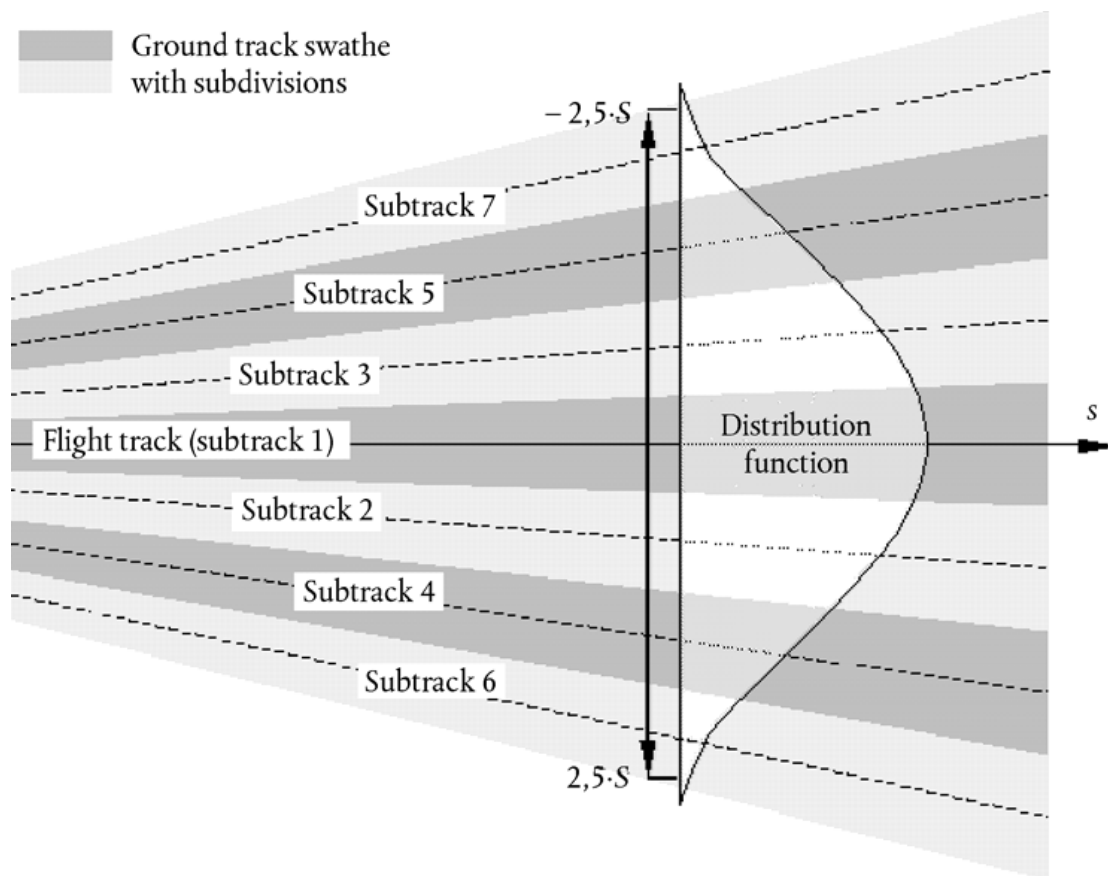
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$$\approx \frac{ROC}{60 \cdot k \cdot V_T}$$

$$\overline{F_n / \delta} = \frac{W / \delta}{N} \cdot \left(R + \frac{\sin \gamma}{1,03} \right)$$

A4 AIR TRAFFIC DESCRIPTION

$$\left(\overline{F_n / \delta} \right)_w = \overline{F_n / \delta} + 1,03 \cdot \overline{W / \delta} \cdot \frac{\sin \gamma \cdot (w - 8)}{N \cdot V_{CA}}$$

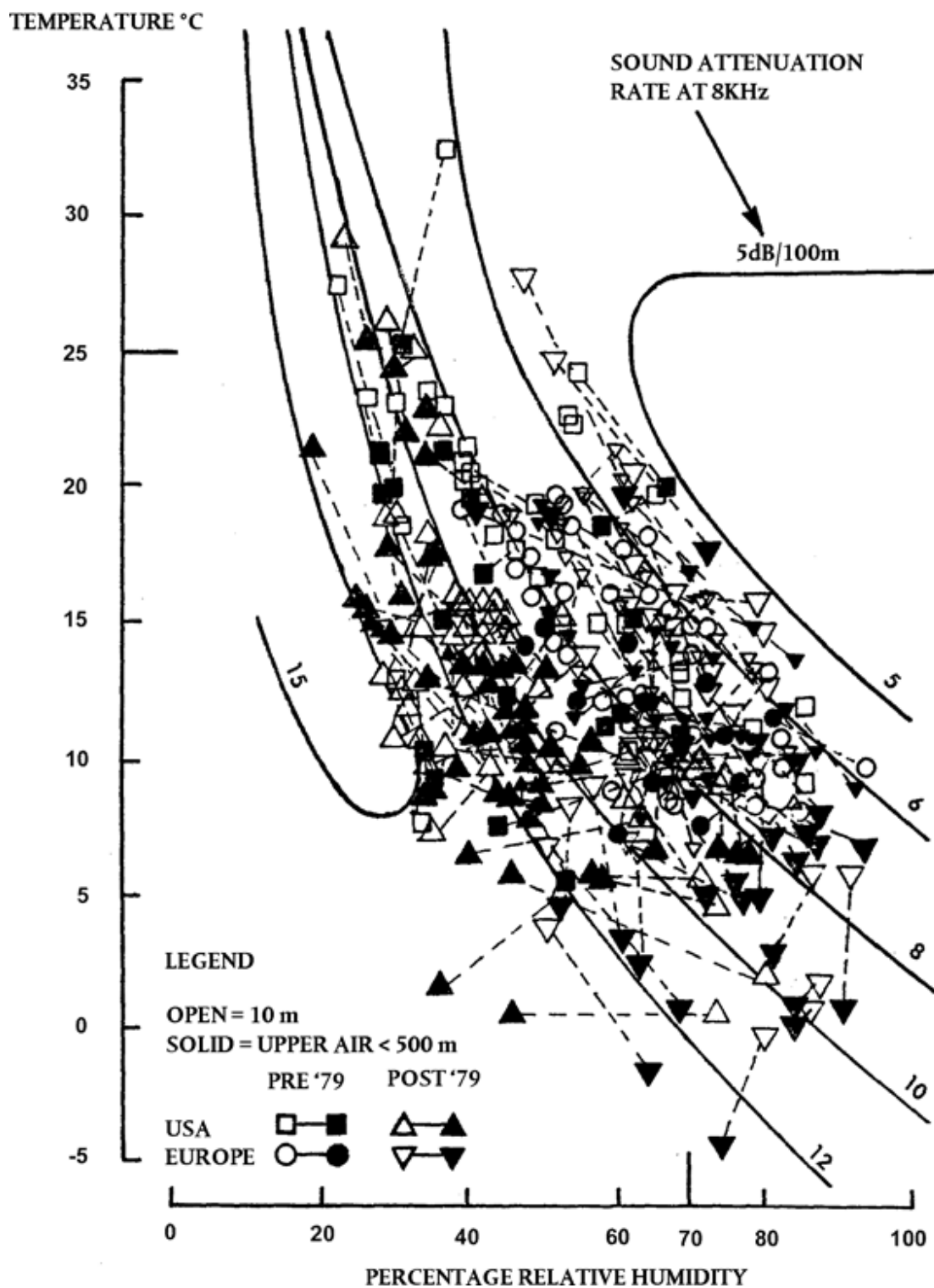


A5 FLIGHT PROCEDURE DATA SHEET

Example aircraft for a Chapter 3 Boeing 727-200 as derived from radar using the guidance set out in Section 2.7.9 of the main text.

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ACTUAL DAY CONDITIONS RECORDED DURING CERTIFICATION TESTING



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Example for a procedural profile based on A/C-data stored in ANP database:

