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Aerodromes: definitions and aerodrome data: key figures

30 figures in 12 groups. Read the cue, say the figure, then check. Each group ends with a recap. Rules change: check the regulation in force.

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Paved instrument runway length for EU scope, with public use and commercial air transport

800 m

Together with public use and commercial air transport

Passenger limit for a Member State exemption

10 000 passengers per year

Together with the cargo limit

Cargo-related movement limit for a Member State exemption

850 movements per year

Together with the passenger limit

Who the rules cover: recap

CUE	FIGURE	DETAIL
Paved instrument runway length for EU scope, with public use and commercial air transport	**800 m**	Together with public use and commercial air transport
Passenger limit for a Member State exemption	**10 000 passengers per year**	Together with the cargo limit
Cargo-related movement limit for a Member State exemption	**850 movements per year**	Together with the passenger limit

Three conditions together: public use, commercial air transport, and 800 m paved instrument runway.

Averaging period for the aerodrome reference temperature

5 years

Mean of the daily maximum temperatures of the hottest month

Altimeter check location, distance from its published average elevation

3 m (10 ft)

Every part of the check location lies within this distance

Aerodrome data: recap

CUE	FIGURE	DETAIL
Averaging period for the aerodrome reference temperature	**5 years**	Mean of the daily maximum temperatures of the hottest month
Altimeter check location, distance from its published average elevation	**3 m (10 ft)**	Every part of the check location lies within this distance

Strip extension before the threshold and beyond the runway or stopway end, code number 2, 3 or 4

60 m

At least this length, before the threshold and beyond the runway end

Runway strip: recap

CUE	FIGURE	DETAIL
Strip extension before the threshold and beyond the runway or stopway end, code number 2, 3 or 4	**60 m**	At least this length, before the threshold and beyond the runway end

Minimum RESA length from the end of the strip

90 m

Measured from the end of the strip

RESA length as far as practicable, for code number 3 or 4.

240 m

Measured from the end of the strip

RESA width

2 × runway width

At least this width

RESA: recap

CUE	FIGURE	DETAIL
Minimum RESA length from the end of the strip	**90 m**	Measured from the end of the strip
RESA length as far as practicable, for code number 3 or 4.	**240 m**	Measured from the end of the strip
RESA width	**2 × runway width**	At least this width

> **RESA: 90 m long, twice the runway width wide, 240 m as far as practicable.**

Clearway length

at most ½ TORA

The clearway is no longer than half the take-off run available

Clearway width, each side of the extended centre line

75 m each side

Measured from the extended centre line

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Stopway width

same width as the runway

The stopway is as wide as the runway it serves

Clearway and stopway: recap

CUE	FIGURE	DETAIL
Clearway length	**at most ½ TORA**	The clearway is no longer than half the take-off run available
Clearway width, each side of the extended centre line	**75 m each side**	Measured from the extended centre line
Stopway width	**same width as the runway**	The stopway is as wide as the runway it serves

> **Clearway: climb over it. Stopway: stop on it. Neither is for landing.**

Runway designation number, from the magnetic bearing as seen on approach

2 digits

A single digit gets a leading zero

Runway designation: recap

CUE	FIGURE	DETAIL
Runway designation number, from the magnetic bearing as seen on approach	**2 digits**	A single digit gets a leading zero

Code number 1, aeroplane reference field length

less than 800 m

Element 1 of the aerodrome reference code

Code number 2, aeroplane reference field length

800 m to less than 1 200 m

Element 1 of the aerodrome reference code

Code number 3, aeroplane reference field length

1 200 m to less than 1 800 m

Element 1 of the aerodrome reference code

Code number 4, aeroplane reference field length

1 800 m and over

Element 1 of the aerodrome reference code

Code letter A, wingspan

less than 15 m

Element 2 of the aerodrome reference code

Aerodrome reference code: recap

CUE	FIGURE	DETAIL
Code number 1, aeroplane reference field length	**less than 800 m**	Element 1 of the aerodrome reference code
Code number 2, aeroplane reference field length	**800 m to less than 1 200 m**	Element 1 of the aerodrome reference code
Code number 3, aeroplane reference field length	**1 200 m to less than 1 800 m**	Element 1 of the aerodrome reference code
Code number 4, aeroplane reference field length	**1 800 m and over**	Element 1 of the aerodrome reference code
Code letter A, wingspan	**less than 15 m**	Element 2 of the aerodrome reference code

> **Code number 1 below 800 m, code number 4 from 1 800 m. Letter A below 15 m.**

Apron mass dividing the five-part ACN-PCN report from the maximum-mass report

5 700 kg

Above this mass, the five-part report applies

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Pavement strength: recap

CUE	FIGURE	DETAIL
Apron mass dividing the five-part ACN-PCN report from the maximum-mass report	**5 700 kg**	Above this mass, the five-part report applies

Movement area inspection, code number 1 or 2

at least once a day

Minimum inspection frequency for the movement area

Movement area inspection, code number 3 or 4

at least twice a day

Minimum inspection frequency for the movement area

Movement area condition: recap

CUE	FIGURE	DETAIL
Movement area inspection, code number 1 or 2	**at least once a day**	Minimum inspection frequency for the movement area
Movement area inspection, code number 3 or 4	**at least twice a day**	Minimum inspection frequency for the movement area

Water depth for a WET runway

up to and including 3 mm

Visible dampness or water within this depth

Water depth for STANDING WATER

more than 3 mm

Deeper water is standing water

RWYCC scale

0 to 6

Effect of the surface on deceleration and directional control

Runway surface condition: recap

CUE	FIGURE	DETAIL
Water depth for a WET runway	**up to and including 3 mm**	Visible dampness or water within this depth
Water depth for STANDING WATER	**more than 3 mm**	Deeper water is standing water
RWYCC scale	**0 to 6**	Effect of the surface on deceleration and directional control

Wet: up to 3 mm. Standing water: more than 3 mm. Codes run from 0 to 6.

Outside air temperature dividing COMPACTED SNOW RWYCC 4 from RWYCC 3

–15 °C

At this temperature and below, compacted snow gives RWYCC 4

Depth dividing RWYCC 5 from lower codes for snow, slush and standing water

3 mm

Up to 3 mm of slush, dry snow or wet snow gives 5; deeper gives 3 for snow and 2 for slush and water

RCAM: recap

CUE	FIGURE	DETAIL
Outside air temperature dividing COMPACTED SNOW RWYCC 4 from RWYCC 3	**–15 °C**	At this temperature and below, compacted snow gives RWYCC 4
Depth dividing RWYCC 5 from lower codes for snow, slush and standing water	**3 mm**	Up to 3 mm of slush, dry snow or wet snow gives 5; deeper gives 3 for snow and 2 for slush and water

Coverage in a third that gives RWYCC 6 with nothing reported

less than 10 %

Under this coverage, nothing is reported

Coverage in a third that gives RWYCC 6 with the contaminant reported at 25 %

10–25 %

The contaminant is reported at 25 %

Coverage in a third above which the contaminant sets the RWYCC

more than 25 %

The RWYCC is that of the contaminant

Minimum reported depth of STANDING WATER

04 (4 mm)

Shallower water makes the third WET

Coverage and depth: recap

CUE	FIGURE	DETAIL
Coverage in a third that gives RWYCC 6 with nothing reported	**less than 10 %**	Under this coverage, nothing is reported
Coverage in a third that gives RWYCC 6 with the contaminant reported at 25 %	**10–25 %**	The contaminant is reported at 25 %
Coverage in a third above which the contaminant sets the RWYCC	**more than 25 %**	The RWYCC is that of the contaminant
Minimum reported depth of STANDING WATER	**04 (4 mm)**	Shallower water makes the third WET

> **Under 10: nothing reported. 10 to 25: report 25. Over 25: the contaminant's code.**