Aerodrome lights
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QUESTION

What does a PAPI show on the approach slope?

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ANSWER

Two red and two white lights.

CS ADR-DSN.M.645(b)(2)(i); CS ADR-DSN.M.645(b)(2); ICAO Annex 14 5.3.5 (same)

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QUESTION

What does a PAPI show when the aircraft is slightly low?

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ANSWER

Three red and one white light.

CS ADR-DSN.M.645(b)(2)(iii); M.650(b)(1); CS ADR-DSN.M.645(b)(2); ICAO Annex 14 5.3.5 (same)

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QUESTION

What does a PAPI show when the aircraft is slightly high?

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ANSWER

One red and three white lights.

CS ADR-DSN.M.645(b)(2)(ii); CS ADR-DSN.M.645(b)(2); ICAO Annex 14 5.3.5 (same)

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QUESTION

How many light units does a PAPI wing bar have?

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ANSWER

Four units. An APAPI has two units.

CS ADR-DSN.M.645(b)(1); CS ADR-DSN.M.645(b)(1),(b)(4), installation tolerances (a),(f),(g); Figure M-4

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QUESTION

What does a pilot who sees one white and three red PAPI lights still clear?

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ANSWER

All objects in the approach area, by a safe margin.

CS ADR-DSN.M.650(a)(2),(b)(1),(b)(2)

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QUESTION

Which colour do threshold lights show toward the approach?

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ANSWER

Green.

CS ADR-DSN.M.680(e)(1); ICAO Annex 14 5.3.10.9 (same)

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QUESTION

Which colour do runway end lights show toward the runway?

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ANSWER

Red.

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QUESTION

At a runway extremity, what does one shared row of lights show toward the runway?

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ANSWER

Red toward the runway. Green toward the approach.

GM1 ADR-DSN.M.685; Figure M-7

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QUESTION

Which colour do runway edge lights show?

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ANSWER

Variable white.

CS ADR-DSN.M.675(c)(1); Figure M-8

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QUESTION

Which runway edge lights show yellow?

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ANSWER

The last 600 m or one-third of the runway length, whichever is less, at the far end.

CS ADR-DSN.M.675(c)(1)(ii); CS ADR-DSN.M.675(c)(1); Figure M-8

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QUESTION

Which colour do edge lights show before a displaced threshold, seen from the approach?

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ANSWER

Red.

CS ADR-DSN.M.675(c)(1); Figure M-8

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QUESTION

Which colour do taxiway centre line lights show?

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ANSWER

Green.

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QUESTION

Which colour do taxiway edge lights show?

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ANSWER

Blue.

CS ADR-DSN.M.720; Figure M-10

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QUESTION

On an exit taxiway near the runway, how do centre line lights alternate?

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ANSWER

Green and yellow, alternating.

CS ADR-DSN.M.710(c)(2); ICAO Annex 14 5.3.17.7 (same)

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QUESTION

What does a lit stop bar tell a pilot to do?

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ANSWER

Stop and hold. Do not cross a lit stop bar.

SERA.3210(d)(3); GM1 SERA.3210(d)(3)

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QUESTION

How far apart must stop bar lights be?

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ANSWER

Not more than 3 m apart.

CS ADR-DSN.M.730(c)(1); CS ADR-DSN.M.730(b),(c)(1),(c)(2); Figure M-10

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QUESTION

Which colour and pattern do runway guard lights show?

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ANSWER

Yellow, flashing.

CS ADR-DSN.M.745(c),(d)(1)–(3),(d)(10)–(12); Figure M-12

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QUESTION

Where do the red and white centre line lights alternate on a runway?

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ANSWER

From 900 m to 300 m before the runway end.

CS ADR-DSN.M.690(d)(1); CS ADR-DSN.M.690(d)(1); Figure M-8; ICAO Annex 14 (same)

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QUESTION

Which colour do the last 300 m of runway centre line lights show?

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ANSWER

Red.

CS ADR-DSN.M.690(d)(1); CS ADR-DSN.M.690(d)(1); Figure M-8; ICAO Annex 14 (same)

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QUESTION

How many flashes per minute does an aerodrome beacon give in total?

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ANSWER

20 to 30 flashes per minute.

CS ADR-DSN.M.620(b)(3)(ii); CS ADR-DSN.M.620(b)(2),(b)(3)(i)–(iii); ICAO Annex 14 Vol I 5.3.3.6

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QUESTION

Which colours does an aerodrome beacon show at a land aerodrome?

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ANSWER

White only, or white mixed with green (the ICAO standard names the colour).

CS ADR-DSN.M.620(b)(2),(b)(3)(i)–(iii); ICAO Annex 14 Vol I 5.3.3.6

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QUESTION

What does an identification beacon send at a land aerodrome?

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ANSWER

Identification characters in Morse code, green at a land aerodrome under the ICAO standard, at 6 to 8 words per minute.

CS ADR-DSN.M.620(c)(3)(v); CS ADR-DSN.M.620(c)(1),(c)(3)(iii)–(v); ICAO Annex 14 Vol I 5.3.3.12–5.3.3.14

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QUESTION

Where does obstacle clearance for a PAPI apply?

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ANSWER

Only within the obstacle protection surface and the lateral limits of the light beam.

CS ADR-DSN.M.650(b)(3); CS ADR-DSN.M.655(a),(d); Reg. (EU) No 139/2014 Art. 2(15)

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