USEFUL SITES FOR INFORMATION ON TOWER LIGHTING REQUIREMENTS

PROPOSED CONSTRUCTION OR ALTERATION OF A TOWER SITE
http://forms.faa.gov/forms/faa7460-1.pdf

DATABASE OF FAA ADVISORY CIRCULARS
- AC70/7460-1K-Obstruction Marking & Lighting
- AC 150/5345-53C Lighting Equipment Certification Program

http://www.airweb.faa.gov/Regulatory_and_Guidance_Library/rgAdvisoryCircular.nsf/MainFrame?OpenFrameSet

RECENT ENFORCEMENT ACTIONS
http://www.fcc.gov/eb/broadcast/asml.html

FCC REGULATIONS FOR MONITORING
- 17.47 (24 hour tower lighting confirmation & 90 day inspection requirement)
- 17.48 (30 minute alarm notification)
- 17.49 (Tower lighting maintenance record requirements)
- 17.51 (Time when lights should be exhibited)

http://www.access.gpo.gov/nara/cfr/waisidx_04/47cfr17_04.html

FAA NOTICE CRITERIA TOOL
https://oeaaa.faa.gov/oeaaa/external/portal.jsp

FLASH TECHNOLOGY SERVICES
- Flash University – Component Level Training
- Monitoring and Call Center Solutions
- 24/7/365 National Operations Center
- Nationwide Certified Service Provider Program

FLASH TECHNOLOGY

The Leader In FCC/FAA Compliant

Eco-Friendly Lighting & Monitoring Solutions

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FLASH TECHNOLOGY

TOWER LIGHTING GUIDELINES

AS SPECIFIED BY THE FEDERAL AVIATION ADMINISTRATION

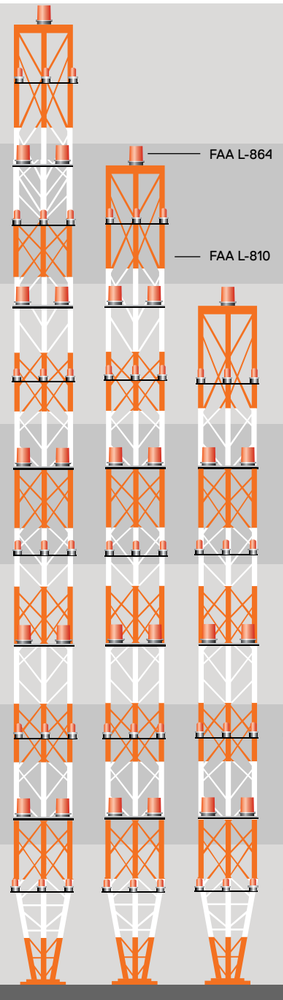
Around the World
Around the Clock
Always On

FLASH TECHNOLOGY

PAINT AND RED LIGHTING

Towers marked with paint for day and red lights for night.

AC 70/7460-1K



A-6
Over 1750' including any appurtenances
(11) L-864 red medium intensity beacons
(18) L-810 marker lights

A-5
Over 1400' but not more than 1750' including any appurtenances
(9) L-864 red medium intensity beacons
(15) L-810 marker lights

A-4
Over 1050' but not more than 1400' including any appurtenances
(7) L-864 red medium intensity beacons
(12) L-810 marker lights

A-3
Over 700' but not more than 1050' including any appurtenances
(5) L-864 red medium intensity beacons
(9) L-810 marker lights
(12) L-810 marker lights if square

A-2
Over 350' but not more than 700' including any appurtenances
(3) L-864 red medium intensity beacons
(6) L-810 marker lights
(8) L-810 marker lights if square

A-1
Over 150' but not more than 350' including any appurtenances
(1) L-864 red medium intensity beacon
(2) or more L-810 marker lights

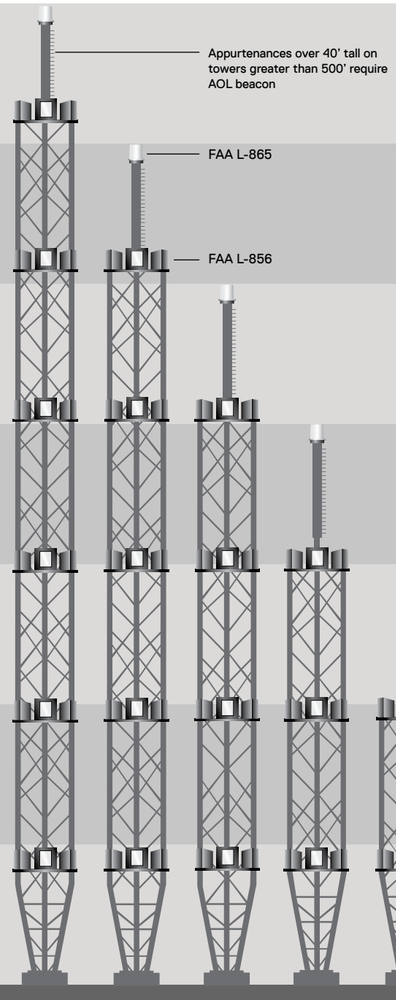
A-0
Less than 150' including any appurtenances
(1) OL-2 double obstruction fixture

A-6 A-5 A-4 A-3 A-2 A-1 A-0

WHITE LIGHTING

Towers marked with white lights for day and white lights for night.

AC 70/7460-1K



C-6
Over 1750' excluding any appurtenances
(1) L-865 AOL beacon
(18) L-856 high intensity beacons

C-5
Over 1400' but not more than 1750' excluding appurtenances
(1) L-865 AOL beacon
(15) L-856 high intensity beacons

C-4
Over 1050' but not more than 1400' excluding appurtenances
(1) L-865 AOL beacon
(12) L-856 high intensity beacons

C-3
Over 700' but not more than 1050' excluding appurtenances
(1) L-865 AOL beacon
(9) L-856 high intensity beacons

C-2
Over 500' but not more than 700' excluding any appurtenances
(1) L-865 AOL beacon
(6) L-856 high intensity beacons

D-2
Over 350' but not more than 500' including any appurtenances
(3) L-865 medium intensity beacons

D-1
Over 200', but not more than 350' including any appurtenances
(1) L-865 medium intensity beacon

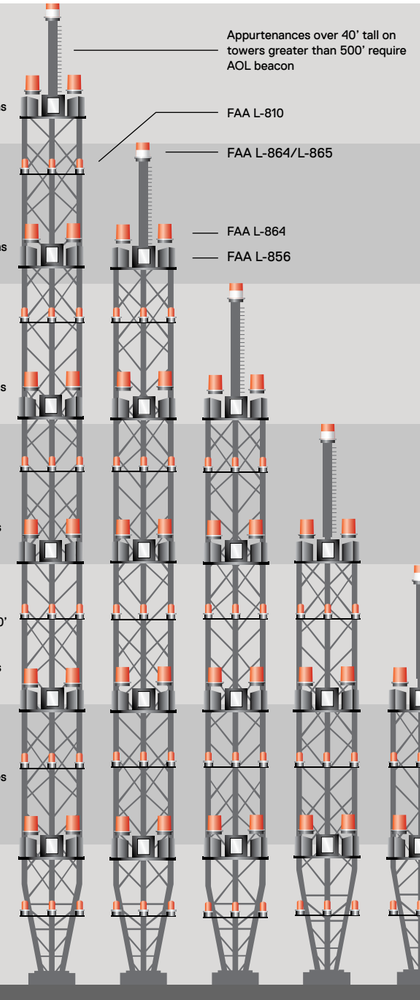
C-6 C-5 C-4 C-3 C-2 D-2 D-1

B TOWERS HAVE NO APPURTENANCES GREATER THAN 40' THEREFORE NO REQUIREMENT FOR AOL BEACON

DUAL LIGHTING

Towers marked with white lights for day and red lights for night.

AC 70/7460-1K



F-6
Over 1750' excluding any appurtenances
(1) L-864/L-865 AOL dual medium intensity beacon
(12) L-864 red beacons
(18) L-856 high intensity beacons
(18) L-810 marker lights

F-5
Over 1400' but not more than 1750' excluding any appurtenances
(1) L-864/L-865 AOL dual medium intensity beacon
(10) L-864 red beacons
(15) L-856 high intensity beacons
(15) L-810 marker lights

F-4
Over 1050' but not more than 1400' excluding any appurtenances
(1) L-864/L-865 AOL dual medium intensity beacon
(8) L-864 red beacons
(12) L-856 high intensity beacons
(12) L-810 marker lights

F-3
Over 700' but not more than 1050' excluding any appurtenances
(1) L-864/L-865 AOL dual medium intensity beacon
(6) L-864 red beacons
(9) L-856 high intensity beacons
(9) L-810 marker lights

F-2
Over 500' but not more than 700' including any appurtenances
(1) L-864/L-865 AOL dual medium intensity beacon
(4) L-864 red beacons
(6) L-856 high intensity beacons
(6) L-810 marker lights
(8) L-810 marker lights if square

E-2
Over 350' but not more than 500' including any appurtenances
(3) L-864/L-865 medium intensity beacons
(6) L-810 marker lights
(8) L-810 marker lights if square

E-1
Over 200' but not more than 350' including any appurtenances
(1) L-864/865 medium intensity beacon
(2) or more L-810 marker lights

F-6 F-5 F-4 F-3 F-2 E-2 E-1

G TOWERS HAVE NO APPURTENANCES GREATER THAN 40' THEREFORE NO REQUIREMENT FOR AOL BEACON

These guidelines are for reference only and are not to scale. Please contact **Flash Technology** or the **Federal Aviation Administration** for specific questions regarding obstruction marking. All heights are based on AGL (above ground level) measurements.