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Title 14 —Aeronautics and Space

Chapter I —Federal Aviation Administration, Department of Transportation

Subchapter F —Air Traffic and General Operating Rules

Part 89 —Remote Identification of Unmanned Aircraft

Subpart B —Operating Requirement

Authority: 49 U.S.C. 106(f), 106(g), 40101(d), 40103(b), 44701, 44805, 44809(f); Section 2202 of Pub. L. 114–190, 130 Stat. 629.

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§ 89.115 Alternative remote identification.

A person operating an unmanned aircraft that is not a standard remote identification unmanned aircraft may comply with the remote identification requirement of § 89.105 by meeting all of the requirements of either paragraph (a) or (b) of this section.

(a) **Remote identification broadcast modules.** Unless otherwise authorized by the Administrator, a person may operate an unmanned aircraft that is not a standard remote identification unmanned aircraft if all of the following conditions are met:

(1) **Equipage.**

- (i) The unmanned aircraft used in the operation must be equipped with a remote identification broadcast module that meets the requirements of § 89.320 and the serial number of the remote identification broadcast module must be listed on an FAA-accepted declaration of compliance.
- (ii) The Certificate of Aircraft Registration of the unmanned aircraft used in the operation must include the serial number of the remote identification broadcast module, as per applicable requirements of parts 47 and 48 of this chapter, or the serial number of the unmanned aircraft must be provided to the FAA in a notice of identification pursuant to § 89.130 prior to the operation.

(2) **Remote identification operating requirements.** Unless otherwise authorized by the Administrator, a person may operate an unmanned aircraft under this paragraph (a) only if all of the following conditions are met:

- (i) From takeoff to shutdown, the person operating the unmanned aircraft must ensure that the remote identification broadcast module broadcasts the remote identification message elements of § 89.315 directly from the unmanned aircraft.
- (ii) The person manipulating the flight controls of the unmanned aircraft system must be able to see the unmanned aircraft at all times throughout the operation.

(3) **Pre-flight requirement.** Prior to takeoff, the person manipulating the flight controls of the unmanned aircraft system must ensure the remote identification broadcast module is functioning in accordance with this subpart.

(4) ***In-flight loss of remote identification broadcast.*** The person manipulating the flight controls of the unmanned aircraft system must land the unmanned aircraft as soon as practicable if the unmanned aircraft is no longer broadcasting the message elements of § 89.315.

(b) ***Operations at FAA-recognized identification areas.*** Unless otherwise authorized by the Administrator, a person may operate an unmanned aircraft without remote identification equipment only if all of the following conditions are met:

(1) The unmanned aircraft and the person manipulating the flight controls of the unmanned aircraft system remain within the boundaries of an FAA-recognized identification area throughout the operation; and

(2) The person manipulating the flight controls of the unmanned aircraft system must be able to see the unmanned aircraft at all times throughout the operation.