

completion prior to delivery of the first UA or issuance of a standard airworthiness certificate, whichever occurs later.

Testing

D&R.300 Durability and Reliability

The UA must be designed to be durable and reliable when operated under the limitations prescribed for its operating environment, as documented in its CONOPS and included as operating limitations on the type certificate data sheet and in the UA Flight Manual. The durability and reliability must be demonstrated by flight test in accordance with the requirements of this section and completed with no failures that result in a loss of flight, loss of control, loss of containment, or emergency landing outside the operator's recovery area.

(a) Once a UA has begun testing to show compliance with this section, all flights for that UA must be included in the flight test report.

(b) Tests must include an evaluation of the entire flight envelope across all phases of operation and must address, at a minimum, the following:

- (1) Flight distances;
- (2) Flight durations;
- (3) Route complexity;
- (4) Weight;
- (5) Center of gravity;
- (6) Density altitude;
- (7) Outside air temperature;
- (8) Airspeed;
- (9) Wind;
- (10) Weather;
- (11) Operation at night, if requested;
- (12) Energy storage system capacity;

and

- (13) Aircraft to pilot ratio.

(c) Tests must include the most adverse combinations of the conditions and configurations in paragraph (b) of this section.

(d) Tests must show a distribution of the different flight profiles and routes representative of the type of operations identified in the CONOPS.

(e) Tests must be conducted in conditions consistent with the expected environmental conditions identified in the CONOPS, including electromagnetic interference (EMI) and high intensity radiated fields (HIRF).

(f) Tests must not require exceptional piloting skill or alertness.

(g) Any UAS used for testing must be subject to the same worst-case ground handling, shipping, and transportation loads as those allowed in service.

(h) Any UA used for testing must use AE that meet, but do not exceed, the minimum specifications identified under D&R.105. If multiple AE are

identified, the applicant must demonstrate each configuration.

(i) Any UAS used for testing must be maintained and operated in accordance with the ICA and UA Flight Manual. No maintenance beyond the intervals established in the ICA will be allowed to show compliance with this section.

(j) If cargo operations or external-load operations are requested, tests must show, throughout the flight envelope and with the cargo or external-load at the most critical combinations of weight and center of gravity, that—

- (1) The UA is safely controllable and maneuverable; and
- (2) The cargo or external-load are retainable and transportable.

D&R.305 Probable Failures

The UA must be designed such that a probable failure will not result in a loss of containment or control of the UA. This must be demonstrated by test.

(a) Probable failures related to the following equipment, at a minimum, must be addressed:

- (1) Propulsion systems;
- (2) C2 link;
- (3) Global Positioning System (GPS);
- (4) Flight control components with a single point of failure;
- (5) Control station; and
- (6) Any other AE identified by the applicant.

(b) Any UA used for testing must be operated in accordance with the UA Flight Manual.

(c) Each test must occur at the critical phase and mode of flight, and at the highest aircraft-to-pilot ratio.

D&R.310 Capabilities and Functions

(a) All of the following required UAS capabilities and functions must be demonstrated by test:

- (1) Capability to regain command and control of the UA after the C2 link has been lost.
- (2) Capability of the electrical system to power all UA systems and payloads.
- (3) Ability for the pilot to safely discontinue the flight.
- (4) Ability for the pilot to dynamically re-route the UA.

(5) Ability to safely abort a takeoff.

(6) Ability to safely abort a landing and initiate a go-around.

(b) The following UAS capabilities and functions, if requested for approval, must be demonstrated by test:

- (1) Continued flight after degradation of the propulsion system.
- (2) Geo-fencing that contains the UA within a designated area, in all operating conditions.

(3) Positive transfer of the UA between control stations that ensures only one control station can control the UA at a time.

(4) Capability to release an external cargo load to prevent loss of control of the UA.

(5) Capability to detect and avoid other aircraft and obstacles.

(c) The UA must be designed to safeguard against inadvertent discontinuation of the flight and inadvertent release of cargo or external load.

D&R.315 Fatigue

The structure of the UA must be shown to withstand the repeated loads expected during its service life without failure. A life limit for the airframe must be established, demonstrated by test, and included in the ICA.

D&R.320 Verification of Limits

The performance, maneuverability, stability, and control of the UA within the flight envelope described in the UA Flight Manual must be demonstrated at a minimum of 5% over maximum gross weight with no loss of control or loss of flight.

Issued in Washington, DC, on March 22, 2022.

Ian Lucas,

*Manager, Policy Implementation Section,
Policy and Innovation Division, Aircraft
Certification Service.*

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DEPARTMENT OF HOMELAND SECURITY

Coast Guard

33 CFR Part 100

[Docket No. USCG-2022-0183]

Special Local Regulations; Seventh Coast Guard District, Blessing of the Fleet—St. Augustine

AGENCY: Coast Guard, Department of Homeland Security (DHS).

ACTION: Notification of enforcement of regulation.

SUMMARY: The Coast Guard will enforce special local regulations for the Blessing of the Fleet—St. Augustine on April 10, 2022, to provide for the safety of life on navigable waterways during this event. Our regulation for marine events within the Seventh Coast Guard District identifies the regulated area for this event in St. Augustine, FL. During the enforcement periods, the operator of any vessel in the regulated area must comply with directions from the Patrol Commander or any Official Patrol displaying a Coast Guard ensign.

DATES: The regulations in 33 CFR 100.701, Table 1 to § 100.701, section (c), Item 8, will be enforced from 12:00 p.m. until 3:00 p.m., on April 10, 2022.

FOR FURTHER INFORMATION CONTACT: If you have questions about this notification of enforcement, call or email MST2 Shawn Keeman, Sector Jacksonville, Waterways Management Division, U.S. Coast Guard; telephone 904-714-7661, email Shawn.R.Keeman@uscg.mil.

SUPPLEMENTARY INFORMATION: The Coast Guard will enforce special local regulations in 33 CFR 100.701, Table 1 to § 100.701, section (c), Item 8, for the Blessing of the Fleet—St. Augustine regulated from 12:00 a.m. until 3:00 p.m., on April 10, 2022. This action is being taken to provide for the safety of life on navigable waterways during the event. Our regulation for recurring marine events within the Seventh Coast Guard District, § 100.701, Table 1 to § 100.701, section (c), Item 8, specifies the location of the regulated area for the Blessing of the Fleet—St. Augustine which encompasses portions of the Matanzas River at the St. Augustine Municipal Marina. During the enforcement periods, as reflected in in § 100.701, if you are the operator of a vessel in the regulated area you must comply with directions from the Patrol Commander or any Official Patrol displaying a Coast Guard ensign.

In addition to this notification of enforcement in the **Federal Register**, the Coast Guard plans to provide notification of this enforcement period via the Local Notice to Mariners, marine information broadcasts, local radio stations and area newspapers.

Dated: March 22, 2022.

M.R. Vlaun,

Captain, U.S. Coast Guard, Captain of the Port Jacksonville.

[FR Doc. 2022-06431 Filed 3-25-22; 8:45 am]

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DEPARTMENT OF HOMELAND SECURITY

Coast Guard

33 CFR Part 100

[Docket No. USCG-2022-0162]

Special Local Regulations; Seventh Coast Guard District, Mug Race

AGENCY: Coast Guard, Department of Homeland Security (DHS).

ACTION: Notification of enforcement of regulation.

SUMMARY: The Coast Guard will enforce the special local regulations for the Mug Race on May 7, 2022, to provide for the safety of life on navigable waterways during this event. Our regulation for marine events within the Seventh Coast Guard District identifies the regulated area for this event on the St Johns River from Palatka, FL, to Jacksonville, FL. During the enforcement periods, the operator of any vessel in the regulated area must comply with directions from the Patrol Commander or any Official Patrol displaying a Coast Guard ensign.

DATES: The regulations in 33 CFR 100.701, Table 1 to § 100.701, section (c), Item 14, will be enforced from 7:00 a.m. until 9:00 p.m. on May 7, 2022.

FOR FURTHER INFORMATION CONTACT: If you have questions about this notification of enforcement, call or email MST2 Shawn Keeman, Sector Jacksonville, Waterways Management Division, U.S. Coast Guard; telephone 904-714-7661, email Shawn.R.Keeman@uscg.mil.

SUPPLEMENTARY INFORMATION: The Coast Guard will enforce special local regulations in 33 CFR 100.701, Table 1 to § 100.701, section (c), Item 14, for the 68th Mug Race regulated from 7:00 a.m. until 9:00 p.m., on May 7, 2022. This action is being taken to provide for the safety of life on navigable waterways during the event. Our regulation for recurring marine events within the Seventh Coast Guard District, § 100.701, Table 1 to § 100.701, section (c), Item 14, specifies the location of the regulated area for the Mug Race which encompasses portions of the St Johns River from Palatka, FL, at the U.S. 17 Bridge, to Jacksonville, FL, near the I-295 Bridge. During the enforcement periods, as reflected in in § 100.701, if you are the operator of a vessel in the regulated area you must comply with directions from the Patrol Commander or any Official Patrol displaying a Coast Guard ensign.

In addition to this notification of enforcement in the **Federal Register**, the Coast Guard plans to provide notification of this enforcement period via the Local Notice to Mariners and/or marine information broadcasts.

Dated: March 11, 2022.

M.R. Vlaun,

Captain, U.S. Coast Guard, Captain of the Port Jacksonville.

[FR Doc. 2022-06430 Filed 3-25-22; 8:45 am]

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FEDERAL COMMUNICATIONS COMMISSION

47 CFR Parts 64 and 76

[GN Docket No. 17-142; FCC 22-12; FR ID 76238]

Improving Competitive Broadband Access to Multiple Tenant Environments

AGENCY: Federal Communications Commission.

ACTION: Final rule.

SUMMARY: In this document, the Federal Communications Commission (Commission or FCC) adopts final rules to improve competition for communications services in multi-tenant environments. The rules prohibit telecommunications carriers and covered multichannel video programming distributors (MVPDs) from entering into certain revenue sharing agreements with a building owner that keep competitive providers out of buildings. The rules also require providers to inform tenants about the existence of exclusive marketing arrangements in simple, easy-to-understand language that is readily accessible. The Commission adopted the Report and Order in conjunction with a Declaratory Ruling in GN Docket No. 17-142 in which the Commission clarifies that existing Commission rules regarding cable inside wiring prohibit so-called sale-and-leaseback arrangements that block competitive access to alternative providers.

DATES:

Effective date: This rule is effective April 27, 2022.

Compliance dates: See paragraph 77 of the **SUPPLEMENTARY INFORMATION** for information on the compliance dates for 47 CFR 64.2500(c), (d), and (e) and 76.2000(b), (c), and (d).

FOR FURTHER INFORMATION CONTACT: For further information, please contact Benjamin (Jesse) Goodwin, Competition Policy Division, Wireline Competition Bureau, at (202) 418-0958 or Benjamin.Goodwin@fcc.gov. For additional information concerning the Paperwork Reduction Act proposed information collection requirements contained in this document, send an email to PRA@fcc.gov or contact Nicole Ongele at (202) 418-2991.

SUPPLEMENTARY INFORMATION: This is a summary of the Commission's Report and Order in GN Docket No 17-142, FCC 22-12, adopted on February 11, 2022, and released on February 15, 2022. The full text of this document is available for public inspection at the