



PUBLIC NOTICE

Federal Communications Commission
445 12th St., S.W.
Washington, D.C. 20554

News Media Information 202 / 418-0500
Internet: <https://www.fcc.gov>
TTY: 1-888-835-5322

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WIRELESS TELECOMMUNICATIONS BUREAU AND OFFICE OF ENGINEERING AND TECHNOLOGY ANNOUNCE THE APPROVAL AND REGISTRATION OF ENVIRONMENTAL SENSING CAPABILITY SENSORS OF THREE ESC OPERATORS FOR THE 3.5 GHZ BAND

GN Docket No. 15-319

With this *Public Notice*, the Wireless Telecommunications Bureau (WTB) and the Office of Engineering and Technology (OET) (collectively, WTB/OET) of the Federal Communications Commission (Commission or FCC) approve the Environmental Sensing Capability (ESC) sensor deployment and coverage plans (ESC Sensor Registrations) by the following three ESC operators: CommScope,¹ Federated Wireless, Inc. (Federated), and Google.² WTB/OET, in close consultation with the National Telecommunications and Information Administration (NTIA) and the Department of Defense (DoD), reviewed and approved the ESC Sensor Registrations, which sufficiently describe the proposed coverage for the dynamic protection areas (DPAs) listed below.³

CommScope, Federated, and Google are authorized to operate their ESC sensors consistent with the information—including sensor locations, configuration, and DPA coverage—submitted to, and

¹ CommScope announced in October 2018 that Google and CommScope entered into a joint partnership to operate an ESC. Press Release, CommScope, CommScope and Google Team Up to Drive CBRS Forward (Oct. 18, 2018), <https://www.commscope.com/NewsCenter/PressReleases/CommScope-and-Google-Team-Up-to-Drive-CBRS-Forward/>.

² CommScope, Federated, and Google are approved ESC operators. *Wireless Telecommunications Bureau and Office of Engineering and Technology Announce the Approval of Environmental Sensing Capabilities for the 3.5 GHz Band*, Public Notice, DA 19-352, 2019 WL 1930304 (WTB/OET Apr. 29, 2019) (*ESC Operator Approval Public Notice*). All three ESC operators submitted ESC Sensor Registrations to WTB/OET consistent with the process described in the *ESC Sensor Registration Public Notice*. *Wireless Telecommunications Bureau and Office of Engineering and Technology Establish Procedure for Registering Environmental Sensing Capability Sensors*, GN Docket No. 15-319, Public Notice, 33 FCC Rcd 10016 (WTB/OET 2018) (*ESC Sensor Registration Public Notice*). Each ESC operator requested confidentiality when they submitted their ESC Sensor Registrations and filed a list of dynamic protection areas covered by their ESC sensors into GN Docket No. 15-319. Pursuant to their joint partnership, CommScope and Google submitted a joint filing. See Letter from H. Mark Gibson, Director, Regulatory Policy, CommScope, to Marlene H. Dortch, Secretary, FCC, GN Docket No. 15-319 (filed June 21, 2019), <https://ecfsapi.fcc.gov/file/10726900214797/15-319.pdf> (CommScope and Google Joint DPA List); Letter from Jennifer M. McCarthy, Vice President, Legal Advocacy, Federated Wireless, Inc., to Marlene H. Dortch, Secretary, FCC, GN Docket No. 15-319 (filed Apr. 18, 2019), <https://ecfsapi.fcc.gov/file/10726354614828/15-319a.pdf> (Federated DPA List).

³ DPAs are pre-defined protection areas that extend beyond the coastline or that enclose a protected terrestrial radar facility, which may be activated or deactivated as necessary to protect DoD radar systems. *Promoting Investment in the 3550-3700 MHz Band*, GN Docket No. 17-258, Order, 33 FCC Rcd 4987 (WTB/OET 2018). NTIA depicts the
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approved by, WTB/OET.⁴ In addition, each certified ESC must operate in conjunction with at least one Spectrum Access System (SAS) that has been approved for commercial deployment by the Commission.⁵ Before providing commercial service for any given DPA, each ESC operator must file a notification in GN Docket No. 15-319. This notification must affirm that the approved sensors covering the DPA are constructed and operational and must list the approved SASs with which the ESC is communicating.

ESC Operator CommScope⁶ has satisfied the sensor coverage requirements for the following DPAs:

- East DPAs 1 through 26;
- East Mayport;
- East Norfolk;
- East Pascagoula Port;
- West DPAs 1 through 14;
- West Alameda;
- West Bremerton Everett;
- West Long Beach; and
- West San Diego Port.⁷

ESC Operator Federated has satisfied the sensor coverage requirements for the following DPAs:

- East DPAs 1 through 26;
- East Mayport;
- East Norfolk;
- East Pascagoula Port;
- West DPAs 1 through 14;
- West Alameda; and
- West Bremerton Everett.⁸

ESC Operator Google has satisfied the sensor coverage requirements for the following DPAs:

- East DPAs 1 through 26;
- East Mayport;
- East Norfolk;
- East Pascagoula Port;
- West DPAs 1 through 14;
- West Alameda;

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DPAs in Attachment A of a letter sent by Paige R. Atkins, NTIA, to Julius P. Knapp and Donald Stockdale of the FCC on May 17, 2018. This letter and the specific coordinates for the DPAs are available at <https://www.ntia.doc.gov/fcc-filing/2015/ntia-letter-fcc-commercial-operations-3550-3650-mhz-band>.

⁴ *ESC Operator Approval Public Notice*, 2019 WL 1930304 at *3 (citing *ESC Sensor Registration Public Notice*, 33 FCC Rcd at 10016). See also *Amendment of the Commission's Rules with Regard to Commercial Operations in the 3550-3650 MHz Band*, GN Docket No. 12-354, Report and Order and Second Further Notice of Proposed Rulemaking, 30 FCC Rcd 3959 at 4070-71, para. 386 (2015 Report and Order and 2015 FNPRM, respectively).

⁵ *ESC Operator Approval Public Notice*, 2019 WL 1930304 at *3 (citing *ESC Sensor Registration Public Notice*, 33 FCC Rcd at 10016). See also *2015 Report and Order*, 30 FCC Rcd at 4070-71, para. 386.

⁶ CommScope and Google jointly submitted their ESC sensor registrations with the Commission pursuant to their joint partnership. In the event they cease their joint partnership, they must submit a filing with the Commission in GN Docket 15-319 detailing how the approved DPA sites and their management responsibilities will be assigned.

⁷ CommScope and Google Joint DPA List.

⁸ Federated DPA List.

- West Bremerton Everett;
- West Long Beach; and
- West San Diego Port.⁹

Parties are permitted to update their ESC Sensor Registrations at any time in accordance with the process established in the *ESC Sensor Registration Public Notice* and must provide updates on an ongoing basis if any changes are made to the parameters of their approved ESC sensor deployments. WTB/OET will continue to approve ESC Sensor Registrations on a rolling basis as described in the *ESC Sensor Registration Public Notice*.¹⁰

By the Chief, Wireless Telecommunications Bureau, and the Chief, Office of Engineering and Technology.

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⁹ CommScope and Google Joint DPA List.

¹⁰ *ESC Sensor Registration Public Notice*, 33 FCC Rcd at 10017.