



# PUBLIC NOTICE

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## WIRELESS TELECOMMUNICATIONS BUREAU AND OFFICE OF ENGINEERING AND TECHNOLOGY ANNOUNCE THE APPROVAL AND REGISTRATION OF ADDITIONAL ENVIRONMENTAL SENSING CAPABILITY SENSORS 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 new Environmental Sensing Capability (ESC) sensor deployment and coverage plans (ESC Sensor Registrations) for Federated Wireless, Inc. (Federated Wireless).<sup>1</sup> WTB/OET, in close consultation with the National Telecommunications and Information Administration (NTIA) and the Department of Defense (DoD), have reviewed and approved the updated ESC Sensor Registrations, which sufficiently describe the proposed coverage for the dynamic protection areas (DPAs)<sup>2</sup> listed below.

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<sup>1</sup> Federated Wireless is an approved ESC operator. *Wireless Telecommunications Bureau and Office of Engineering and Technology Announce the Approval of Environmental Sensing Capabilities for the 3.5 GHz Band*, GN Docket No. 15-319, Public Notice, 34 FCC Rcd 2792 (WTB/OET 2019) (*2019 ESC Operator Approval Public Notice*). WTB/OET have established procedures for submitting ESC Sensor Registrations for approval. *See 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*); *Wireless Telecommunications Bureau and Office of Engineering and Technology Announce the Approval and Registration of Additional Environmental Sensing Capability Sensors of ESC Operators for the 3.5 GHz Band*, GN Docket No. 15-319, Public Notice, 34 FCC Rcd 11048, 11050 (WTB/OET 2019) (*November 2019 ESC Sensor Registration Public Notice*). Federated Wireless submitted ESC Sensor Registrations to WTB/OET consistent with the process described in the *ESC Sensor Registration Public Notice*, as updated in the *November 2019 ESC Sensor Registration Public Notice*. Federated Wireless requested confidentiality when it submitted its ESC Sensor Registration and filed a list of dynamic protection areas covered by its ESC sensors consistent with the filing instructions in the *ESC Sensor Registration Public Notice*. *See* Letter from Jennifer M. McCarthy, Vice President, Legal Advocacy, Federated Wireless, Inc. to Marlene H. Dortch, Secretary, FCC, GN Docket No. 15-319 (filed September 21, 2022); Letter from Jennifer M. McCarthy, Vice President, Legal Advocacy, Federated Wireless, Inc. to Marlene H. Dortch, Secretary, FCC, GN Docket No. 15-319 (filed September December 13, 2022); Letter from Jennifer M. McCarthy, Vice President, Legal Advocacy, Federated Wireless, Inc. to Marlene H. Dortch, Secretary, FCC, GN Docket No. 15-319 (filed December 20, 2022) (Federated Wireless December 20, 2022 ESC Sensor Registration).

<sup>2</sup> 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 DPAs in Attachment A of a letter sent by Paige R. Atkins, NTIA, to Julius P. Knapp and Donald K. Stockdale Jr. 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>.

Federated Wireless is authorized to operate its ESC sensors consistent with the information—including sensor locations, configuration, and DPA coverage—submitted to, and approved by, WTB/OET.<sup>3</sup> In addition, Federated Wireless must operate in conjunction with at least one Spectrum Access System (SAS) that has been approved for commercial deployment by the Commission.<sup>4</sup> Before providing commercial service for any given DPA, Federated Wireless must file a notification in GN Docket No. 15-319, which 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 Federated Wireless has satisfied the sensor coverage requirements for the following DPA:

- Alaska 38.<sup>5</sup>

Federated Wireless is permitted to update its ESC Sensor Registrations at any time in accordance with the process established in the *ESC Sensor Registration Public Notice*, and it must provide updates on an ongoing basis if any changes are made to the parameters of its 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*.<sup>6</sup> We remind ESC operators that, going forward, they must file ESC Sensor Registrations and any supplements with the Commission using the Commission's Electronic Comment Filing System.<sup>7</sup> See *Electronic Filing of Documents in Rulemaking Proceedings*, 63 FR 24121 (1998). ESC operators may request confidential treatment of information contained in their filings consistent with Section 0.459 of the Commission's rules.<sup>8</sup> All such filings should refer to **GN Docket 15-319**. These modified procedural requirements supersede those set forth in the *ESC Sensor Registration Public Notice*.<sup>9</sup>

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

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<sup>3</sup> 2019 *ESC Operator Approval Public Notice*, 34 FCC Rcd at 2794, para. 5 (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).

<sup>4</sup> 2019 *ESC Operator Approval Public Notice*, 34 FCC Rcd at 2794, para. 5 (citing *ESC Sensor Registration Public Notice*, 33 FCC Rcd at 10016).

<sup>5</sup> Federated Wireless made three filings which included possible ESC sensor configurations for the Alaska 38 DPA. This approval applies only to the ESC Sensor configurations included in Federated Wireless's December 20, 2022 filing. See Federated Wireless December 20, 2022 ESC Sensor Registration.

<sup>6</sup> *ESC Sensor Registration Public Notice*, 33 FCC Rcd at 10017.

<sup>7</sup> November 2019 *ESC Sensor Registration Public Notice*, 34 FCC Rcd at 11050; *Key Bridge ESC Operator Approval Public Notice*, 35 FCC Rcd at 7004, para. 5.

<sup>8</sup> See 47 CFR § 0.459.

<sup>9</sup> *ESC Sensor Registration Public Notice*, 33 FCC Rcd at 10018.