



PUBLIC NOTICE

Federal Communications Commission
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**OFFICE OF ENGINEERING AND TECHNOLOGY ANNOUNCES TRANSFER OF
OWNERSHIP AND ADMINISTRATION OF WHITE SPACE DATABASE FROM RED
TECHNOLOGIES TO EMERGENT SOLUTIONS, INC.**

ET Docket No. 04-186

By this *Public Notice*, the Office of Engineering and Technology (OET) announces that Emergent Solutions, Inc. (Emergent) is now the white space database administrator for the database previously administered by RED Technologies (RED). This change was precipitated by a transfer of ownership and control of the white space database from RED to Emergent. This transfer of control will not affect the way existing or future white space equipment connects to the white space database. In addition, there will be no change to the public's interaction in querying the database or registering protected entity locations.

Part 15 of the Commission's rules permits unlicensed intentional radiators to operate on available channels in the broadcast television bands, the 600 MHz service band, the 600 MHz duplex gap, and in channel 37.¹ The unused spectrum in these bands is commonly referred to as "white spaces." Unlicensed devices operating in the white spaces provide broadband data and other services for consumers and businesses. To prevent interference to protected users, white space devices must include a geo-location capability and the ability to access a database, which provides a list of available frequencies at the device's location.² The white space database also registers protected facilities' locations.³

The Commission can designate one or more entities to administer a white space database under part 15 of the rules.⁴ A white space database administrator is designated for a five-year term that can be renewed at the Commission's discretion.⁵ An administrator may transfer its database, along with the IP addresses and URLs used to access the database and a list of registered fixed white space devices, to another designated entity, and to charge a reasonable price for such conveyance.⁶

¹ 47 CFR § 15.701 *et seq.* The broadcast television bands consist of channels 2-36 (54-72 MHz, 76-88 MHz, 174-216 MHz and 470-608 MHz). The 600 MHz service band comprises downlink and uplink spectrum (617-652 MHz and 663-698 MHz) for licensed wireless services under part 27. The upper six megahertz of the duplex gap between the 600 MHz service bands (657-663 MHz) is available for use by unlicensed white space devices. Channel 37 (608-614 MHz) is used by the Wireless Medical Telemetry Service (WMTS) and radio astronomy. No white space devices currently operate in channel 37.

² 47 CFR §§ 15.711(a); 15.713(a)(1).

³ 47 CFR § 15.713(a)(3)-(4). Services not recorded in Commission databases, but that are subject to protection from white space device operations, include cable headend locations, low power television receive sites that are outside the protected contours of the television stations whose signals they receive, and the locations where licensed wireless microphones and other low power auxiliary devices are used on a regular or scheduled basis.

⁴ 47 CFR § 15.715.

⁵ 47 CFR § 15.715(h).

⁶ 47 CFR § 15.715(j).

The white space database previously operated by RED was originally developed by Nominet UK (Nominet), which OET designated as a white space database administrator in 2018.⁷ In 2020, Nominet transferred control of its white space database to RED.⁸ OET issued a *Public Notice* on August 26, 2020 announcing that RED would be the new administrator of Nominet’s white space database, subject to the same conditions originally imposed on Nominet.⁹

On December 1, 2025, representatives from RED and Emergent informed the Commission of their plans to transfer ownership and control of RED’s white space database to Emergent.¹⁰ They state that this transfer will not affect the way existing or future white space equipment connects to the database, and that public interaction with the database—including equipment queries and protected entity location registrations—will remain unchanged.¹¹ Additionally, Emergent committed to fulfilling all the responsibilities of a white space database administrator as well as all of the specific representations RED made when it became a white space database administrator.¹² Emergent subsequently informed the Commission that the knowledge transfer and operational transition from RED have been successfully completed.¹³

Emergent has experience operating a white space database system approved by Innovation, Science and Economic Development Canada (ISED).¹⁴ ISED has requirements for white space devices and database access which are similar to those of the Commission.¹⁵ We are therefore confident that Emergent will fulfill the conditions previously agreed to by RED and successfully administer its white space database going forward. Accordingly, we designate Emergent as a white space database administrator for a term ending five years from the date of this *Public Notice*, subject to the same conditions imposed on RED. The Commission can renew Emergent’s authority to operate as a white space database administrator at that time.

⁷ *Unlicensed Operation in the TV Broadcast Bands*, ET Docket No. 04-186, Order, 33 FCC Rcd 5966 (June 11, 2018), <https://docs.fcc.gov/public/attachments/DA-18-605A1.pdf>.

⁸ Letter from Pierre-Jean Muller, CEO, RED Technologies, and Adam Leach, CIO, Nominet UK, to Ronald Repasi, Acting Chief, Office of Engineering and Technology, FCC (June 4, 2020), <https://www.fcc.gov/ecfs/document/10605256108393/1>.

⁹ *Office of Engineering & Technology Announces Transfer of Ownership and Control of White Space Database From Nominet UK to RED Technologies*, ET Docket No. 04-186, Public Notice, 35 FCC Rcd 9610 (2020), <https://docs.fcc.gov/public/attachments/DA-20-904A1.pdf>.

¹⁰ Letter from Louis Lambert, CEO, Emergent Solutions, Inc., and Pierre-Jean Muller, CEO, RED Technologies, to Andy Hendrickson, Chief, Office of Engineering and Technology, and Ira Keltz, Deputy Chief, Office of Engineering and Technology, FCC, ET Docket No. 04-186, at 1 (Dec. 1, 2025), <https://www.fcc.gov/ecfs/document/120217980952/1>.

¹¹ *Id.*

¹² *Id.*

¹³ Letter from Rodney Cronin, VP Products and Systems Integration, Emergent Solutions, Inc., to Andy Hendrickson, Chief, Office of Engineering and Technology, and Ira Keltz, Deputy Chief, Office of Engineering and Technology, FCC, ET Docket No. 04-186, at 1 (Feb. 18, 2026), <https://www.fcc.gov/ecfs/document/10218244944427/1>.

¹⁴ <https://ised-isde.canada.ca/site/certification-engineering-bureau/en/list-of-designated-dynamic-spectrum-access-system-administrators>.

¹⁵ <https://ised-isde.canada.ca/site/spectrum-management-telecommunications/en/devices-and-equipment/radio-equipment-standards/radio-standards-specifications-rss/rss-222-white-space-devices-wsds>.

The WaveDB channel search and protected entity registration utilities previously offered by RED continue to be available by Emergent at: <https://usa.wavedb.com/>. The registration files continue to be available for download at: <https://csv.wavedb.com/>.

For technical or operational support with the white space database, users should use the following contact information:

Mail: Emergent Solutions, 3600 Steeles Ave. E, Suite C-107, Markham, ON, Canada L3R 9Z7
Contact Person: Rodney Cronin
Email: rcronin@emergent-sol.com

Finally, white space devices approved for use with a specific white space database may operate using the Emergent database or any other Commission-approved white space database. The database specification on the equipment grant is done for equipment approval testing only and white space device users may choose to use any approved white space database so long as the device can communicate with it successfully.

For additional information, please contact Mr. Hugh L. Van Tuyl, Office of Engineering and Technology, Hugh.VanTuyl@fcc.gov, (202) 418-7506.

By the Chief, Office of Engineering and Technology

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