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Rialáil Cumarsáide
Commission for
Communications Regulation

Guidelines and Application Form

Guidelines and Application for a Railway Mobile Radio Licence

Application Form

Reference: ComReg 25/60

Date: 10/09/2025

1 Notes for Applicants

1. The granting by the Commission for Communications Regulation (“ComReg”) of a Railway Mobile Radio Licence (“Licence”) is governed by the Wireless Telegraphy (Railway Mobile Radio Licence) Regulations 2025, S.I. No. 417 of 2025 (the “Regulations”).¹ In particular, the Regulations detail the form and duration of, and the restrictions and conditions subject to which, Licences are granted by ComReg.
2. Persons applying for a Licence (“Applicants”) are also referred to Section 2 of this document, for background on the licensing framework under the Regulations and for interpretation of the defined terms used herein.
3. In line with Regulation 5 of the Regulations, the application form (“Application Form”) included in this document sets out the information required from Applicants in an application for a Licence (“Application”).
4. A Licence is a “non-exclusive” licence and allows the Licensee to keep and have possession of, install, maintain, work and use, at a specified location in the State, Apparatus to facilitate the operation of a Railway Mobile Radio System.
5. A completed Application Form (including a separate document as required under Parts 3 and 4 below) must be submitted to the Commission by email licensing@comreg.ie. Following this, an invoice will be provided to the Applicant for the payment of the relevant Licence fee.

¹ [The Wireless Telegraphy \(Railway Mobile Radio Licence\) Regulations 2025 \(S.I. 417 of 2025\)](#)

2 Guidelines

2.1 Introduction

6. The Commission for Communications Regulation (“ComReg”) has introduced a new licensing scheme for Railway Mobile Radio (RMR) Licences.
7. Railway Mobile Radio (“RMR”) is the term used to refer to GSM-R and its successors such as the Future Railway Mobile Communication System (FRMCS)². It constitutes a non-public communications network for use by European railway operators to provide service applications such as emergency calls and driver communications. The RMR licensing regime replaces the current licensing regime for GSM-R which expires on the 26 November 2025.
8. This document sets out ComReg’s guidelines for applying for a RMR Licence and also the application form.
9. These guidelines provide information on:
 - Spectrum Allocation;
 - Licence Duration;
 - Licence Fees;
 - Technical Conditions;
 - Coexistence with Adjacent Bands; and
 - the application process.
10. ComReg encourages prospective applicants to read these guidelines carefully if considering the submission of a RMR Licence application. Queries regarding these guidelines or the licensing process can be directed to ComReg’s Licensing Team at licensing@comreg.ie.
11. ComReg may revise these guidelines from time to time and will publish any such revisions on its website.
12. Section 3 of this document contains the application form.

² In 2012, the UIC launched a project called Future Railway Mobile Communication System, which aims to find a new Radio Access Technology (RAT) for RMR, such as 4G LTE or 5G NR [[TR 103 333 - GSM-R networks evolution](#)]. The first FRMCS trials began in 2023 and a parallel operation of GSM-R and FRMCS will continue across Europe until 2035 [[FRMCS | UIC - International union of railways](#)], with an expected shutdown of GSM-R after 2035.

2.2 Railway Mobile Radio Licensing Requirements

Radio Spectrum Allocation

13. The spectrum for use in RMR networks is the paired frequency bands 874.4 - 880.0 MHz and 919.4 - 925.0 MHz, and the unpaired frequency band 1 900 - 1 910 MHz, as allocated by the European Commission Implementing Decision (EU) 2021/1730³.

14. The band plans for the paired and unpaired frequency bands as identified in the Decision, with adjacent services, are set out as follows in Figures 1 and 2.

Figure 1: RMR and adjacent spectrum services in 800/900 MHz

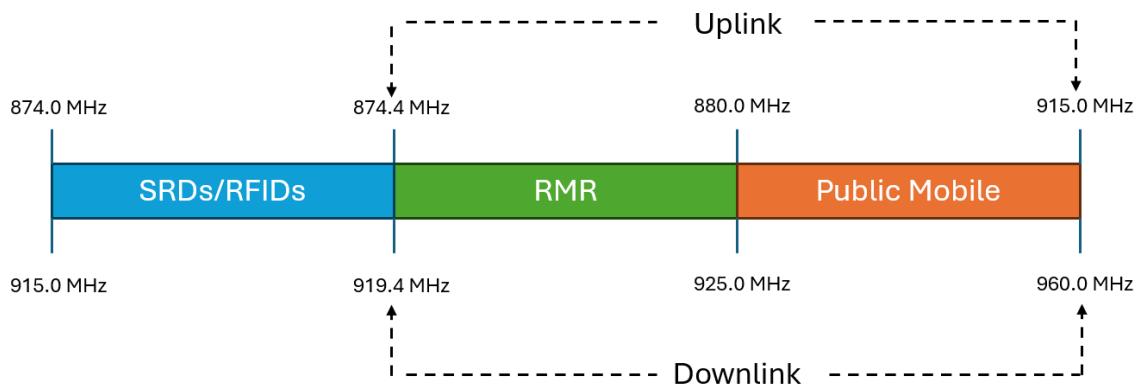


Figure 2: RMR and adjacent spectrum services⁴ in 1800/1900 MHz



15. In order to ensure the efficient use of the radio spectrum, ComReg intends to only assign the quantum of spectrum which an applicant can justify for the efficient operation of its railway network. In that regard, applicants are required to provide a network rollout plan and justification for the quantum of spectrum requested.

Licence Duration

16. A RMR Licence will be a national licence with a maximum duration of 20 years, which will expire on the 27 November 2045.

Licence Fees

³ [Implementing decision - 2021/1730 - EN - EUR-Lex](#)

⁴ UAS means unmanned aircraft systems

17. The annual licence fees payable on the grant and each anniversary of the date of first granting the licence, to be adjusted for Consumer Price Index (CPI), shall be as follows:

- €28,005 base fee per MHz (to be adjusted for CPI) in the 900 MHz band.
- €14,733 base fee per MHz (to be adjusted for CPI) in the 1900 MHz band.

Technical Conditions

18. The Licensee will comply with the technical conditions derived from those laid out in the EC Decision which were informed by CEPT Reports 74⁵ and 76⁶.

Coexistence with adjacent bands

19. To ensure coexistence between RMR and MFCN services, ComReg has identified a number of guard bands in line with the conclusions of CEPT Report 80⁷.

20. These guard bands are for use in scenarios where the adjacent services are operating in an uncoordinated manner, and a guard band may not be required if the operation of those systems are coordinated and agreed by the relevant licensees.

21. ComReg refers readers to ComReg Document 24/100⁸, Section 3.7, for more information.

2.3 Applying for a Licence

22. A licence to possess and operate apparatus for wireless telegraphy is required under Section 3 of the Wireless Telegraphy Act 1926. Possessing or operating radio equipment without such a licence is an offence which renders the offender liable to prosecution and, on conviction, fines and confiscation of equipment.

23. This document, ComReg 25/60 contains an application form which sets out the information that must be provided to ComReg as part of the licence application. In certain cases, ComReg may seek further information or clarification from an applicant.

⁵ [CEPT Report 74](#) - Report from CEPT to the European Commission in response to the Mandate on spectrum for the future railway mobile communications system Report A: Spectrum needs and feasibility (tasks 1 to 4).

⁶ [CEPT Report 76](#) - Report from CEPT to the European Commission in response to the Mandate on spectrum for the future railway mobile communications system Report B: EU-harmonised technical conditions for the future railway mobile radio communications system (Task 5).

⁷ [CEPT Report 80](#) This Report provides the response (Report B) to Task 2 of the Mandate from the European Commission “to review the harmonised technical conditions for certain EU-harmonised frequency bands and to develop least restrictive harmonised technical conditions suitable for next-generation (5G) terrestrial wireless systems”, addressing the 900 MHz and 1800 MHz frequency bands.

⁸ [ComReg-24100.pdf](#) - Proposed Licensing Framework for Railway Mobile Radio Consultation (with Draft Decision and Draft Regulations)

24. To submit a valid application, it is necessary to:

- complete all sections of the form; and
- submit the full licence fee with your application.

25. If there is insufficient space available on the application form, please attach any additional information on a separate sheet(s).

26. Applications for a RMR Licence must be submitted to licensing@comreg.ie.

3 Application Form

Part 1: Applicant Details

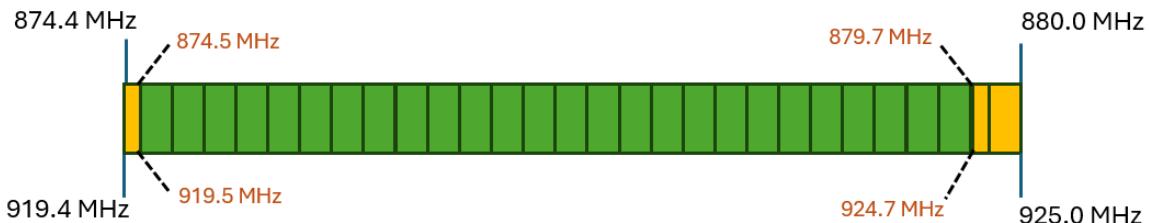
Full Name of the company, firm or person in whose name the Licence is sought	
Trading name (If different from above)	
ComReg eLicensing account number (If already registered)	
Company Registration Number (If limited company)	
Registered Business address	
Contact name	
Contact phone number	
Contact e-mail for invoicing and payment of fees relating to the Licence	
Contact e-mail for general matters relating to the Licence	

Part 2: Channel Details

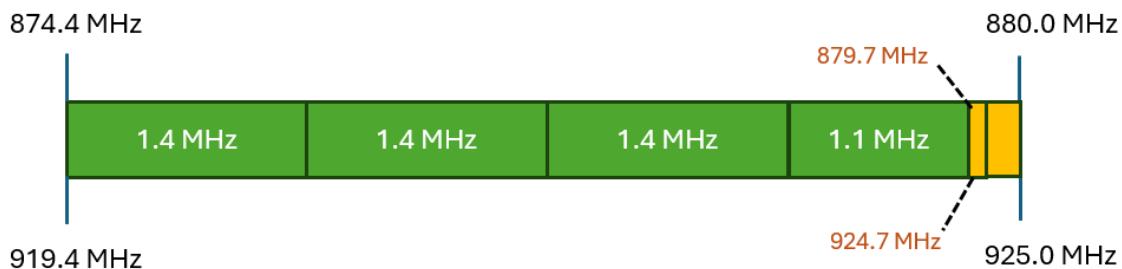
900 MHz Band – 200 kHz channel band plan

RMR Spectrum Allocation ⁹			
Tick if Required	Channel Number	Centre frequency Mobile TX (MHz)	Centre Frequency Base Tx (MHz)
	1	874.6000	919.6000
	2	874.8000	919.8000
	3	875.0000	920.0000
	4	875.2000	920.2000
	5	875.4000	920.4000
	6	875.6000	920.6000
	7	875.8000	920.8000
	8	876.0000	921.0000
	9	876.2000	921.2000
	10	876.4000	921.4000
	11	876.6000	921.6000
	12	876.8000	921.8000
	13	877.0000	922.0000
	14	877.2000	922.2000
	15	877.4000	922.4000
	16	877.6000	922.6000
	17	877.8000	922.8000
	18	878.0000	923.0000
	19	878.2000	923.2000
	20	878.4000	923.4000
	21	878.6000	923.6000
	22	878.8000	923.8000
	23	879.0000	924.0000
	24	879.2000	924.2000
	25	879.4000	924.4000
	26	879.6000	924.6000
Guard Band 879.7 – 880 MHz / 919.5 – 924.7 MHz			

⁹ In the band 876-880 MHz (mobile station transmit) paired with 921-925 MHz (base station transmit) with a duplex separation of 45 MHz for duplex operation

Figure 3: GSM-R 200 kHz channel band plan in 900 MHz**900 MHz – 1.4 MHz channel band plan**

RMR Spectrum Allocation ¹⁰			
Tick if Required	Channel Number	Centre frequency Mobile TX (MHz)	Centre Frequency Base Tx (MHz)
	1	874.4000	919.4000
	2	875.8000	920.8000
	3	877.2000	922.2000
	4	878.6000	923.6000
	5	879.7000	924.7000
Guard Band 879.7 – 880 MHz / 924.7 – 925.0 MHz			

Figure 4: RMR 1.4 MHz channel band plan in 900 MHz**900 MHz – 5 MHz channel band plan**

RMR Spectrum Allocation ¹¹			
Tick if Required	Channel Number	Centre frequency Mobile TX (MHz)	Centre Frequency Base Tx (MHz)
	1	874.4000	919.4000
	2	879.4000	924.4000

¹⁰ In the band 876-880 MHz (mobile station transmit) paired with 921-925 MHz (base station transmit) with a duplex separation of 45 MHz for duplex operation

¹¹ In the band 876-880 MHz (mobile station transmit) paired with 921-925 MHz (base station transmit) with a duplex separation of 45 MHz for duplex operation

RMR Spectrum Allocation ¹¹			
	3	879.6000	924.6000
	4	879.7000	924.7000
Guard Band 879.7 – 880 MHz / 924.7 – 925.0 MHz			

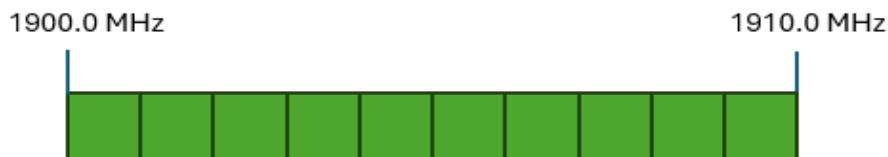
Figure 5: RMR 5 MHz channel band plan in 900 MHz



1900 MHz Band – 1 MHz channel band plan

Tick if Required	Channel Number	Centre frequency TX/RX (MHz)
	1	1900.5
	2	1901.5
	3	1902.5
	4	1903.5
	5	1904.5
	6	1905.5
	7	1906.5
	8	1907.5
	9	1908.5
	10	1909.5

Figure 6: RMR 1 MHz TDD channel band plan in 1900 MHz



Part 3: Schedule of Apparatus

Please complete the Table below in respect of the apparatus types in use on the RMR network, in Microsoft Excel format, under the following headings:

Part 4: Apparatus Location and Details

Please provide details of the locations of the Apparatus which the Applicant seeks to be authorised to keep and have possession of, in Microsoft Excel format, under the following headings:

Site Identity	Latitude (decimal degrees)	Longitude (decimal degrees)	Equipment Index Reference	ERP

Part 5: Fees and Methods of Payment

Part 4A: Fee Calculation

The annual fee payable for a RMR Licence (“Licence Fee”) is equal to the fee for that RMR Licence in the base year of 2025 (the “Base Fee”), indexed to the annual rate of inflation since 2025 using the Consumer Price Index. The inflation adjustment is set in the following formula as follows:

$$\text{Indexing Multiplier} = \frac{CPI_t}{CPI_{2025}} * 100$$

Where CPI_t represents the 12-month Consumer Price Index published by the Central Statistics Office, for year t , the year immediately preceding the application. CPI_{2025} represents the 12-month Consumer Price Index figures published by the Central Statistics Office for 2025. The first indexation shall take place on the 1st of August 2025 and shall occur annually thereafter on that same date.

The annual fee indexed to the Consumer Price Index is equal to:

$$C = A \times B$$

Where:

- A is the base fee for an annual Licence; and
- B is the CPI adjustment for the relevant period.

The Base Fees for a RMR Licence are set out in table 1 and table 2 below.

Table 1: Base Fee for a RMR Licence in the 900 MHz Band

Frequency Band	Base Fee for per MHz (to be adjusted for CPI)
900 MHz	€28,005

Table 2: Base Fee for a RMR Licence in the 1900 GHz RMR Band

Frequency Band	Base Fee per MHz (to be adjusted for CPI)
1900 MHz	€14,733

Part 4B: Method of Payment

For new applicants:

To pay by credit card:

Please log into www.licensing.comreg.ie to create an account. You will receive an email to activate that account and to create a PIN. Once the account has been activated, log on to the account and “Top Up” the account with the relevant fee.

To pay by EFT:

Payments can be made to:

Bank of Ireland, 6 Lower O'Connell Street, Dublin 1

Account Number: 17806887

Sort Code: 90-00-33

BIC Code: BOFIIE2D

IBAN No: IE62BOFI90003317806887

If making a bank transfer/EFT, please ensure that:

- Your Bank quotes **your Account Number** in making the transfer to ComReg.
- You forward details of the date of and amount of payment to ComReg's Accounts Department (accounts@comreg.ie).

For existing account holders:

To pay by credit card:

Please log into www.licensing.comreg.ie and “Top Up” the account with the relevant fee.

To pay by EFT:

Payments can be made to:

Bank of Ireland, 6 Lower O'Connell Street, Dublin 1

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Part 6: Application Declaration Form

Declaration by Applicant

I hereby certify that the information provided in this Application is, to the best of my knowledge, true and complete and I accept that the provision of incorrect or misleading information, or mis-declarations in this form, may render this Application, and any Licence granted on foot of this Application, null and void.

In accordance with the Wireless Telegraphy Act of 1926, as amended, I accept responsibility for the installation and maintenance of the Apparatus.

I accept that the grant of a Licence does not confer any right of ownership of the frequency spectrum to which the Licence relates and agree to abide by all conditions of the Licence and any direction made by the Commission for Communications Regulation ("ComReg") from time to time.

I confirm that no change will be made in any of the foregoing without the prior approval of ComReg.

I certify that I am duly authorised by _____
(*Applicant name*) to make this declaration and to sign on behalf of
_____ (*Applicant name*).

Signature: _____

Name in Capital Letters Only: _____

Position: _____

Date: _____