



Application Form for a Private Business Radio Speech and Data Systems Licence

IMPORTANT – Please note that the Radiocommunications Agency intends to embark on a major programme of frequency changes in the 450-470 MHz band. Customers using or intending to use this band are strongly advised to read information sheet RA410 for further information.

Please note, amendments or additions to existing PBR Speech and Data Systems licences should be made on application form RA1(A). For guidance see information sheet RA126.

1 What type of PBR licence are you applying for?

(tick as appropriate)

If you are taking over a licence and wish to apply for the same assignment(s) please quote the existing licence number e.g. 123456.

- On-site PBR Speech and Data System licence** For systems operating in a limited area, normally up to 3 km in radius from a specified location
- Wide area PBR Speech and Data System licence** For systems operating more than 3 km and typically up to 30 km in radius from a specified location
- National and Regional PBR licence** For national and regional exclusive systems
- PMR (Standard) licence** For UK general systems only

2 Who is the licence to be issued to?

A licence can only be issued to a legal entity. The Agency recognises the following: Individual or Sole Trader, Partnership, Public Limited Company, Limited Company or Incorporated Association.

For a partnership, give the full name of one partner (this partner must also sign the declaration on page 7) and supply a list of the full names of all other partners at the declaration.

For example Corporation/Local Authority, Registered Charity etc.

Individual or Sole Trader

Surname

Forenames

Partnership

Surname

Forenames

Public Limited Company *

Name

Limited Company *

Name

Incorporated Association *

Name

Other legal entities

*Please state company registration number

Registration number

<p>3 What is the trading name (if any) of the business which will operate and control the radio service?</p>	<hr/>
<p>4 Address to which the licence is to be sent</p> <p><i>For a Public Limited Company, Limited Company or Incorporated Association, this must be the registered office.</i></p>	<p>Address</p> <hr/> <hr/> <hr/> <hr/> <p>Postcode</p> <hr/> <p>Telephone</p> <hr/> <p>Fax</p> <hr/> <p>E-mail</p> <hr/>
<p>5 Contact name and address for licence renewals/accounts queries/ additional correspondence</p>	<p>Name</p> <hr/> <p>Address</p> <hr/> <hr/> <hr/> <hr/> <p>Postcode</p> <hr/> <p>Telephone</p> <hr/> <p>Fax</p> <hr/> <p>E-mail</p> <hr/>
<p>6 If the address in Q5 differs from Q4 do you wish to have additional copies of the licence sent to each location?</p>	<p><input type="checkbox"/> Please tick box if YES</p>
<p>7 Name and telephone number of the person(s) in your organisation who is responsible for the operation of the radio equipment, and who the Agency can contact in case of queries about your application and/or radio system</p>	<p>Non-technical contact</p> <p>Name</p> <hr/> <p>Telephone</p> <hr/> <p>Fax</p> <hr/> <p>E-mail</p> <hr/> <p>Technical contact (if different)</p> <p>Name</p> <hr/> <p>Telephone</p> <hr/> <p>Fax</p> <hr/> <p>E-mail</p> <hr/>

TECHNICAL CHARACTERISTICS

(You may need to consult your supplier to assist in completing this part of the form)

8 What type of transmission will be used?*(tick as appropriate)*

- Voice
- Data and voice
- Data

Data ID (in Hex)

Data modulation (e.g. Fast Frequency Shift Keying)

9 Do you require any of the following special facilities?*(tick as appropriate)*

Please note that all equipment currently used or to be purchased by licensees must comply with an appropriate Interface Requirement.

A list of the Interface Requirements is contained in the information sheet RA108. Licensees are also advised to read RA Information Sheets RA275 and RA279. The licensee must be in a position to produce appropriate documentary evidence for the equipment to be used.

- Controlled talkthrough
- Telephone interconnect
- Voice privacy

What type of voice privacy do you require?

- Frequency inversion
- Band inversion
- Band scrambling
- Rolling code inversion

Please specify below any other special facilities required and explain when and why you wish to use these

10 Channel spacing*(tick as appropriate)*

- 6.25 kHz
- 12.5 kHz

11 What callsign will you be using?

The callsign must not be more than twelve characters and must not be a place name. A callsign is a requirement of operation under the terms of the licence.

12 Total number of mobile radios to be used?

*Include all vehicle mounted and hand held equipment. **Do not include the base station if one is in use.***

<p>13 Which frequency band do you wish the Agency to consider first when making an assignment?</p> <p><i>Please indicate your first and second preferences by writing 1 and 2 in the appropriate boxes.</i></p> <p><i>For Band I and Band III frequencies you must use the application form RA130.</i></p> <p><i>You will automatically be assigned a CTCSS tone and DCS code.</i></p>	<p><input type="checkbox"/> VHF Low 68.00 - 87.50 MHz</p> <p><input type="checkbox"/> VHF Mid 138.00-165.0375 MHz</p> <p><input type="checkbox"/> VHF High 165.05-174.00 MHz</p> <p><input type="checkbox"/> UHF 1 420.00-450.00 MHz</p> <p><input type="checkbox"/> UHF 2 450.00-470.00 MHz</p> <ul style="list-style-type: none"> • VHF High - technical restrictions may apply within the M25. • UHF 1 - geographically restricted. • UHF 2 - congested in urban areas.
<p>14 Method of operation</p> <p><i>(tick as appropriate)</i></p>	<p><input type="checkbox"/> Single frequency operation</p> <p><input type="checkbox"/> Dual frequency operation</p>
<p>15 Indicate any preferred requirement for a specific channel and/or CTCSS tone/DCS code</p> <p><i>Please note: It may not be possible to assign this frequency/tone/code</i></p>	<p>Base transmit _____ MHz</p> <p>Mobile transmit _____ MHz</p> <p>CTCSS/DCS _____</p> <p>Please explain why you would like to utilise this channel:</p> <p>_____</p> <p>_____</p>
<p>16 If you are taking over an existing licence are all the technical details the same?</p> <p><i>(tick as appropriate)</i></p>	<p><input type="checkbox"/> Yes</p> <p><input type="checkbox"/> No</p> <p>If No, what changes have been made</p> <p>_____</p> <p>_____</p> <p>_____</p>

OPERATIONAL SITE DETAILS

For UK General services Q17-31 do not apply please go to Q32.

17 Will you be using a base station?

*A base station is defined as a radio transceiver attached to a permanently fixed antenna located permanently at one site connected to an appropriate external power source.
(tick as appropriate)*

- Yes
 No - operational area only

(Please note you **must** complete Q18 below)

18 What is the address of the base station or operational area?

Address

Postcode

Telephone

Fax

E-mail

Contact at this location

19 What is the national grid reference (NGR) of this location?

Two letters followed by six figures, e.g. NJ 935 044, one letter and six figures in Northern Ireland (obtainable from an Ordnance Survey Map).

Grid letters Eastings Northings

OPERATIONAL COVERAGE AREA

IMPORTANT: Before completing this section please read the section entitled "Operational Coverage Area" in the information sheet RA126

20 Describe the nature of your business giving as full a description as possible of what the mobile radios will be used for.

21 Base station antenna

You should not purchase any equipment including the antenna until you have received your licence schedule. The Agency may require you to use a specific type of antenna to ensure minimum interference is caused to other co-channel operators.

Height of the top of the base station antenna above ground level in metres

Note: For on-site systems this should not normally be greater than 10 metres

22 What type of antenna would you like to use with your base station?

The RA frequency assignment officer will take into account the frequency band and operational conditions when deciding the type of antenna to be used.

- Omni-directional antenna
- Downtilt antenna
- Downfire antenna
- Radiating cable
- Directional antenna

Angle of tilt below the horizontal plane in degrees

Direction of antenna in degrees east of north

What is the gain of your chosen antenna?

dB-relative to a dipole

23 Describe the geographical area you wish to cover with your radio service?

24 What base ERP level do you or your supplier consider is required?

The Agency normally assigns base ERP levels of 2 Watts for on-site systems and 10 Watts for wide area systems. Sometimes however, applicants may require a higher ERP level in order to provide satisfactory coverage of their business area. In such cases increases in ERP up to a maximum of 5 Watts for on-site and 25 Watts for wide area may be acceptable.

_____ Watts

REMOTE CONTROL

(The method of control required may not be available, dependent on the location of intended operation. Where the preferred method is not available a suitable alternative will need to be considered by the applicant.)

25 Will your base station be remotely controlled?

(tick as appropriate)

Yes - please complete Q26-31

No - go to Q32

26 How many remote control points will the base station have?

*If more than **one** control point please complete **Q27-31** on a separate piece of paper for each additional control point.*

27 What is the address of the remote control point?

Address

Postcode

Telephone

Fax

E-mail

Contact at this location

28 What method of control do you wish to use from the remote control point?

If you ticked RFW complete Q29-31. Microwave links must be separately licensed by the Agency. See information sheet RA164.

Landline

Landline and microwave

Dial up landline

Microwave only

Reverse Frequency Working (RFW)

Please explain why you require RFW.

2.4 GHz low power device compliant with ETS 300 328

29 What is the NGR of the location of the RFW remote control point?

Grid letters

Eastings

Northings

30 What is the height of the top of the RFW control point antenna above ground level in metres?

The top of the antenna must not exceed 10 metres above ground level. You will normally be required to use either a 3, 4, 6 or 8, element directional antenna. This is dependent upon the frequency band and operational conditions.

metres

31 What is the direction of maximum radiation from the RFW control point antenna in degrees east of north?

degrees east of north

32 Please tick if you wish the Agency to accept all future technical applications/amendments direct from your supplier

Please enclose a power of attorney

A power of attorney is a written authority given by one person to another to act on their behalf in their absence, signed in the presence of a solicitor.

DECLARATION

I declare that all the details given in this application form are correct to the best of my knowledge.

The information on this application form is being collected on the authority of the Secretary of State for Trade and Industry. The point of contact is the Enquiry Point at the:

Radiocommunications Agency

Wyndham House, 189 Marsh Wall, London E14 9SX. Tel: 020 7211 0211

Signature of applicant

For self and partners (tick if applicable)

Date of application

Full name in CAPITAL LETTERS

Position in organisation

Partnerships must be applied for by one partner signing 'For self and partners'. A director or authorised person must sign for Public Limited Companies, Limited Companies and other legal entities.

Partnership members

Name	Signature
Name	Signature
Name	Signature
Name	Signature

If the number of partners exceeds the space provided above, additional partners details should be provided on a separate sheet of paper in the format given above and attached to this form.

Please note the space below is not for use as there is a tear off slip overleaf.

CHECKLIST

Failure to complete this form fully or provide any additional information requested, may result in a delay to the processing of your application.

- Have you enclosed payment for the licence fee? Details are contained on the insert RA123. Cheques or Postal Orders payable to "Radiocommunications Agency".
If you are unable to calculate the licence fee payable, the Agency will inform you upon receipt of the application form.
- For a partnership, have you listed all of the partners in the declaration?
- Details of all the remote control points?
- If this application is to takeover an existing assignment, have you enclosed a letter from the existing licensee authorising the takeover?
- Have you signed the declaration on page 9?

Please note that any false information provided may, at the Secretary of State's discretion, invalidate the licence after it has been granted.

Where to send your form

Details of where to send your form and the fee payable are enclosed on the separately inserted information sheet RA123. If the sheet is missing or you are unsure where to send your form contact the Agency's Enquiry Point on 020 7211 0211.

If you require any advice on completing this form please contact your RA Local Office. Details of Local Offices' areas of responsibility can be found on RA123.

SUPPLIERS DETAILS

It can be helpful for your radio supplier to be notified of the frequency assignment made to you. Complete the following if you would like a copy of your licence and additional or revised schedules to be sent to your supplier

Contact name _____

Telephone _____

Fax _____



Supplier's name and address

Please find enclosed a copy of your customer's licence schedule as requested on the RA1 application form

Radiocommunications Agency



