



Commission for
Communications Regulation

Release of additional spectrum in the 3.6 GHz band for FWALA Licensing.

Comparative Evaluation Process and Application Form

Information Notice

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An Coimisiún um Rialáil Cumarsáide

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1 Introduction

1. The Fixed Wireless Access Local Area ('FWALA') scheme, which underpins the wireless provision of fixed broadband access, was initiated in 2003 and to date accounts for 176 FWALA licences over the 3 available bands of 3.5, 10.5 and 26 GHz. The FWALA scheme services 71,458 broadband subscriptions, which makes up 4% of the total broadband market¹.
2. In document 11/89 "Strategy for Managing the Radio Spectrum: 2011-2013" ComReg set out its intention to release additional spectrum in the 3.6 GHz FWALA band following the:
 3. expiry of eircom's transitional licences on 15 June 2012; and
 4. identification of any additional spectrum previously assigned as guard bands in the 3.6 GHz band.
5. This document sets out the process for applying for this new spectrum.
6. In addition the FWALA Guidelines have been revised and updated to reflect the availability of this radio spectrum².
7. These licences will be issued under the existing FWALA Licence Regulations S.I. 79 of 2003³. ComReg is in the process of finalising, subject to the consent of the Minister for Communications, Energy and Natural Resources, the legislative framework to introduce mobility into the 3.6 GHz band. It is anticipated provision will be made in these new Regulations to enable existing FWALA licence holders to avail of licences under the new legislative framework.
8. In April 2010 ComReg published an Information Notice⁴ announcing that the current FWALA licensing scheme in the 3.6 GHz band would be terminated by 31 July 2017, allowing all existing 3.6 GHz licences to run for their full 7-year duration. Therefore any licences issued as part of the comparative evaluation process, as set out in this Information Notice will be for a maximum period of 5 years and shall expire on 31 July 2017 and shall not be renewed.

¹ ComReg quarterly Review Q4 2011, ComReg Document 12/20.

² ComReg document 06/17R7 "Revised Guidelines to applicants for Fixed Wireless Access local Area (FWALA) Licences"

³ Wireless Telegraphy (Fixed Wireless Access Local Area) Regulations 2003. S.I. 19 of 2003

⁴ ComReg 10/29 – Fixed Wireless Access Local Area Licensing: End date of the FWALA licensing scheme in the 3.6 GHz band – 8 April 2010. http://www.comreg.ie/_fileupload/publications/ComReg1029.pdf

2 Spectrum in the 3.6 GHz Band

9. ComReg has identified 2 channels in the 3.4 GHz – 3.6 GHz part of the spectrum which will be made available under the existing FWALA licensing scheme. The channels are labelled Channel K/K' and Channel L, in Figure 1 below. Channel L consists of 10 MHz of unpaired spectrum in 3600 – 3610 MHz part of the band. Channel K/K', consists of two asymmetric blocks of 11 MHz and 16 MHz each. Both blocks can be used to deploy either FDD or TDD duplex modes⁵. Applicants must indicate in their application form what duplex mode they intend to deploy (FDD or TDD).
10. Applicants deploying TDD technology must indicate in their application if they will require both blocks of spectrum. This will enable ComReg to make any unrequired spectrum available to another TDD applicant. TDD applicants should note that ComReg does not favour a spectrum configuration which would leave one 10 MHz carrier centred in each spectrum block, as this could be incorporated in a single 25 MHz block. If, at the date of licence renewal or following a licence compliance audit, a TDD operator was found to be only utilising one of the two spectrum blocks licensed to that operator, then ComReg would, in line with its mandate to optimise spectrum efficiency, take appropriate action.

⁵ All equipment deployed in this band using both FDD and TDD technologies in this band must comply with the Radio and Telecommunications Terminal Equipment Directive 1999/5/EC (the R&TTE Directive).

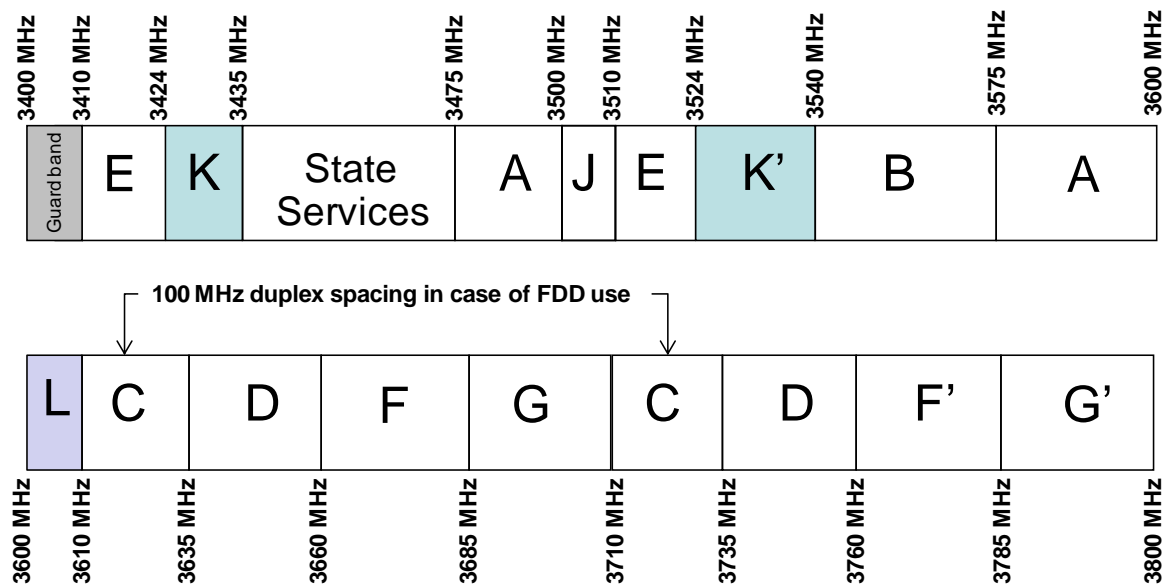


Figure 1: 3.4 GHz – 3.8 GHz frequency band

3.4 GHz – 3.8 GHz band Channels	Channel Bandwidth	Mode of Operation	Transmit centre frequency (MHz)	
			Base Station	CPE
K/K'	1 x 11 MHz and 1 x 16 MHz	FDD or TDD	3459.5	3529
L	1 x 10 MHz	TDD	3605	

Table 1: Additional spectrum being released in 3.5GHz FWALA band

2.1 Channel E

11. Channel E, consists of 2 x 14 MHz which was made available in a limited of locations and on a restricted basis. This was done to ensure the protection of existing services operated by Eircom in the adjacent geographic areas. As Eircom is no longer using spectrum in the 3.6 GHz band to serve these areas ComReg is now lifting these restriction on Channel E such that the service area radius and field strength thresholds are the same for each spectrum block in the 3.6 GHz band as set out in Table 2 below. In addition, as Eircom's transitional licences expire on 15 June 2012 Channel E is no longer limited to specific geographic locations but is available throughout the country and as such ComReg will be accepting applications for Channel E as set out in Section 3 below.

Frequency Band (GHz)	Maximum Service Area Radius (km)	Interference Contour Radius (km)	Field Strength (dB μ V/m)
3.6	20	30	33

Table 2: 3.6 GHz FWALA Parameter Limits

3 Application Process

12. The 'Revised Guidelines to Applicants for Fixed Wireless Access Local Area (FWALA) Licences' (ComReg Document 06/17R7) ("the FWALA Guidelines") provide guidance on the general terms and conditions associated with the FWALA licensing process. All applications should be in compliance with the FWALA Guidelines unless indicated otherwise in this Information Memorandum.
13. As demand for Channels L and K/K' may exceed supply, the application process for this spectrum is divided into two phases:
14. Phase 1: Comparative Evaluation for applications received by ComReg before 5 pm on 25 May 2012.
15. Phase 2: First Come First Served for applications received subsequently.

3.1 Phase 1: Comparative Evaluation

16. All valid applications for Channels L and Channel K/K' received by ComReg before 5 pm on 25 May 2012 will be assessed through a comparative evaluation process.
17. ComReg will maintain the parameters that were introduced in the previous comparative evaluation, i.e. the introduction of a "Speed to Market" evaluation criterion, revised characteristics for the residential and business offers and the issues of the "Temporary Licence". Appendix 2 provides more detailed guidance on the comparative evaluation and licence offer process.
18. Connected persons of an applicant or applicant group must not be connected persons of another applicant or applicant group as defined in Appendix 1 below. Applicants and applicant groups may not be connected to each other. Applicants which are found to have such relationships will not have their applications processed.
19. To submit a valid application for the comparative evaluation stage of this process it is necessary:

- to submit a completed Comparative Evaluation Application Form as set out in Appendix 2 to this document (please submit a separate application form for each channel required);
- to submit the full “temporary” licence fee as set out in Section 5A of Appendix 2; and
- that ComReg receives this complete Comparative Evaluation Application Form and the full "temporary" licence fee by 25 May 2012

3.2 Phase 2: First Come First Served

20. All applications for FWALA spectrum received after 5 pm on 25 May 2012 shall be considered on a “first come first served” basis, in accordance with the FWALA Guidelines Section 4.2.

Appendix: 1 Connected Persons

A 1.1 “Connected person” means a Person who controls an Applicant or is controlled by an Applicant.

A 1.2A Person shall be deemed to control a body corporate if

- they have a controlling interest in it;
- they have a controlling interest in a body corporate which has a controlling interest in the body corporate; or
- although they do not have such an interest in the body corporate, or in any body corporate with a controlling interest in the body corporate, it is reasonable, having regard to all the circumstances, to expect that they will be able, by whatever means and whether directly or indirectly, to achieve the result that the affairs of the body corporate are conducted in accordance with its wishes

A 1.3 and for this purpose a Person has a controlling interest in a body if he holds, or is beneficially entitled to, 50% or more of the equity share capital in the body corporate, or possesses 50% or more of the voting power in it and a Person shall be deemed to control a body corporate where that Person controls another Person which controls that body corporate.

A 1.4 “Person” means an individual, a body corporate or an unincorporated body of persons.

A 1.5 “Group” means for the purposes of this information memorandum, in relation to the Applicant/Licensee:

- any parent undertaking of the Applicant/Licensee;
- any subsidiary undertaking of the Applicant/Licensee;
- any subsidiary undertaking of any parent undertaking referred to in a);

- a shareholder or partner in the Applicant/Licensee which beneficially owns (directly or indirectly) shares in the Applicant/Licensee in circumstances where there is one other shareholder or partner in the Applicant/Licensee which beneficially owns (directly or indirectly) the remaining shares in circumstances where neither shareholder or partner has control;
- any undertaking of which the Applicant/Licensee beneficially owns (directly or indirectly) shares in circumstances where there is one other shareholder or partner in that undertaking which beneficially owns (directly or indirectly) the remaining shares in circumstances where neither shareholder nor partner has control;
- any undertaking in circumstances where two or more of its shareholders or partners which acting in concert together beneficially own (directly or indirectly) more than 50% of the shares or voting rights in that undertaking, acting in concert together beneficially own (directly or indirectly) more than 50% of the shares, or voting rights of the Applicant/Licensee; and
- any undertaking of which the Applicant/Licensee beneficially owns (directly or indirectly) together with one or more undertakings acting in concert more than 50% of the shares or voting rights of that undertaking.

Appendix: 2 Comparative Evaluation Application Form for Channels E, L, K/K'.

Notes for Applicants

A 2.1 In accordance with the Wireless Telegraphy Acts, 1926 to 1988, a licence must be held to possess or use radio equipment. Possession or use of radio equipment without a licence is an offence which renders the offender liable to prosecution and, on conviction, fines and confiscation of equipment.

A 2.2 A Fixed Wireless Access Local Area (FWALA) licence allows the licensee to offer telecommunications services by means of a local area fixed wireless access network in a defined service area. A separate FWALA application is required for each service area.

A 2.3 The FWALA application form sets out the information that is required of a licence applicant. The FWALA Comparative Evaluation Application Form is to be completed in line with the comparative evaluation information set out in Annex 1 of this Appendix and the “Revised Guidelines to applicants for Fixed Wireless Access local Area (FWALA) Licences” (Document No. 06/17R7). The Commission for Communications Regulation reserves the right to seek further information or clarification from the applicant

A 2.4 Applications for a FWALA licence must be submitted along with the appropriate fee to:

The Commission for Communications Regulation
Licensing Section (Ref: FWALA Licensing Scheme),
Abbey Court,
Irish Life Centre,
Lower Abbey Street,
Dublin 1.

A 2.5 A valid licence application must include:

A 2.6 A completed Comparative Evaluation Application Form as set out in this Appendix.

- A 2.7 The full “temporary” licence fee as per Section 5A of this form.
- A 2.8 Application forms not properly completed cannot be considered as valid applications and will be returned to the applicant.
- A 2.9 If there is insufficient space on the application form, please attach any additional information on a separate sheet(s), indicating the appropriate section and question.
- A 2.10 A separate application form must be submitted for each Channel that is being applied for.
- A 2.11 Every effort will be made to process applications quickly so that operations can start at the earliest possible date. To facilitate speed of processing, please ensure that your application is legible i.e. typed or completed in block capitals.
- A 2.12 While ComReg makes every effort to accommodate each applicant’s requirements, it should be appreciated that this may not be possible in all cases.

**COMPARATIVE EVALUATION APPLICATION FORM FOR FWALA CHANNELS
E, L and K/K'**

Section 1: Contact Details

1A: Applicant Details

Full Name of the Company, Firm or Person in whose name the Licence is sought:		
Registered Number in the Companies Registration Office:		
Trading Name: (If different from above)		
ComReg Account Number ⁶ : (If applicable)		
Business Address:	Address: County or Postcode: Country:	
Contact Name ⁷ :		
Phone No:		
Fax No:		
E-Mail:		

⁶ This is the account number allocated to you by ComReg; it is unique for you/your company. You generally have an account number if you applied in the past to ComReg for any type of licence. This account number is printed on ComReg correspondence such as invoices, renewal notices etc.

⁷ Generally this is the person in your organisation to contact in relation to the licence application.

Information Notice/Additional Spectrum for FWALA licensing

Name and Address to which the Licence / Correspondence is to be sent: (if different from address given above)	Name: Address: County or Postcode: Country:	
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1B: Technical Contact Details⁸

Name:		
Address:	Address: County or Postcode: Country:	
Phone No:		
Fax No:		
E-Mail:		

⁸ If the technical contact person is not the same as the person(s) in the Applicant Details section, the applicant should nominate a technical contact who will be in a position to act for the applicant and to furnish information about the application if called upon to do so.

Section 2: Application Details

Frequency channel for which this application should be considered ⁹	Please tick the appropriate box <input type="checkbox"/> Channel E <input type="checkbox"/> Channel L <input type="checkbox"/> Channel K/K'
Type of Technology to be Deployed	Please tick the appropriate box <input type="checkbox"/> FDD <input type="checkbox"/> TDD
Both Spectrum Block will be Required	Please tick the appropriate box <input type="checkbox"/> Yes <input type="checkbox"/> No
FWALA Service Area ¹⁰ Name & Location	Name: Location (e.g. town, county)
Service Area Centre Point Co-ordinates	Site Co-ordinates: Easting: ----- AND Northing: -----
Radius of Service Area Requested (km)	<input type="checkbox"/> Maximum for Band <input type="checkbox"/> Other, please specify in km

⁹ Note: The channel plans and bandwidths for each of the FWALA frequency bands are set out in the Revised Guidelines to Applicants for FWALA Licences, ComReg Document 06/17R4.

¹⁰ The service area for a licence is defined by a centre point and a maximum permitted radius from that point. The centre point is normally the geographic location of the base station.

Section 3: Comparative Evaluation Commitments

Guidance on the Comparative Evaluation process is provided in Annex 1 to this document. Applicants are advised to read this guidance before completing this section.

Each applicant is invited to make voluntary commitments in respect of the following;

Speed to Market	<p>_____ Full Months</p> <p>(Minimum Speed to Market – 2 Months) (Maximum Speed to Market – 12 months)</p>
Maximum Residential Charge per month (including VAT and all charges)	€ _____ per month
Maximum Business Charge per month (including VAT and all charges)	€ _____ per month
Value of Performance Bond	€ _____

Section 4: Declaration Form – Fixed Wireless Access Local Area

I have read the “Revised Guidelines to applicants for Fixed Wireless Access local Area (FWALA) Licences” (Document No. 06/17R7) and the guidance notes associated with each question in the application form.

I accept that ComReg may publish information relating to licensed radio systems and that certain information relating to any licence issued pursuant to this application may be contained in any such publication.

I agree to comply fully with all the terms and conditions of the licence, if granted, in accordance with the Wireless Telegraphy (Fixed Wireless Access Local Area Licence) Regulations, 2003.

I agree to comply with the Field Strength Limits as detailed in the Revised Guidelines to Applicants 06/17R7 (and its revisions) and which will be condition of the licence, if granted.

I certify that all equipment to be used under this FWALA licence, if granted, will comply with the essential requirement of the R&TTE directive (S.I. 240 of 2001¹¹)

ComReg will endeavour to minimise the potential for interference. I accept that ComReg will not be liable for any interference caused and that I will comply with all requests made by ComReg to me regarding any interference being caused by my licensed apparatus to other licensed users of radio spectrum.

I accept that a licence does not confer any right of ownership of the frequency spectrum. It allows the assigned frequency channel to be used during the term of the licence in accordance with the conditions of the licence.

I certify that all information provided on this form, including all documentation attached, is true and accurate.

Signature of Applicant: _____

On behalf of (Company): _____

Name in Block Letters: _____

Date: _____

(If applicant is part of a company, please state position held):

¹¹ S.I. No. 240 of 2001: European Communication (Radio Equipment and Telecommunications Terminal Equipment) Regulations 2001

Section 5: Fees and Method of Payment

5A: FWALA Licence Fee

The annual licence fees payable for all new applications are as set out in the following table.

Bandwidth (Paired channel)	Licence Fee (€)
Up to 7MHz	1500
Over 7 MHz and up to 14 MHz	2000
Over 2 x 14 MHz and up to 2 x 28 MHz	2800

The “temporary” licence fee is calculated on a pro rata basis to the annual licence fee using the “speed to market” commitment (in months) as the duration of the licence. The formula is given below:

$$\text{Temporary Licence Fee (€)} = \text{Annual fee} \times \frac{\text{“Speed to Market (months)”}}{12 \text{ (months)}}$$

5B: Method of Payment:

<input type="checkbox"/> Cheque / Postal Order	Cheques / Postal Orders should be crossed and made payable to The Commission for Communications Regulation
<input type="checkbox"/> Bank Transfer / Electronic Funds Transfer (EFT)	<p>Transfers to ComReg’s account should be made to: Bank of Ireland, 6 Lower O’Connell Street, Dublin 1. Account Number: 17806887 Sort Code: 90-00-33 BIC Code: BOFIIIE2D IBAN No: IE62 BOFI 9000 3317 8068 87.</p> <p>If making a bank transfer/EFT, please ensure that: Your Bank quotes your Name and “FWALA Application” in making the transfer to ComReg. You forward details of the date of and amount of payment to our Accounts Department (accounts@comreg.ie).</p>

<input type="checkbox"/> Credit Card	Credit card payments can be accepted By completing the Credit Card payment form below For existing ComReg account holders, payments can made Over the telephone - contact accounts at 01 8049618 On-Line, using www.elicensing.comreg.ie
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Credit Card Payment Form:

Type of Card: Visa Access / MasterCard Laser

Card Number : _ _ _ _ / _ _ _ _ / _ _ _ _ / _ _ _ _
_ _

Cardholder's Name:

Cardholder's Address:

Expiry Date: ____ ____ / ____ ____

Signature: _____ Date:

Annex 1: Guidelines on Comparative Evaluation and Licence Offer Process

Any reference in this Annex to a “licence” should be construed as a reference to both a “temporary licence” and a “12 month licence”, unless indicated otherwise.

Comparative Evaluation Criteria

Four criteria are included in the Comparative Evaluation Process, namely:

1. Speed to Market Offering;
2. Maximum Monthly Charge for Residential Service Offering;
3. Maximum Monthly Charge for Business Service Offering;
4. Performance Bond Offering.

The applicant’s voluntary offerings will form part of the licensee’s licence text. An example of the licence text is provided in Section A1.5.

The following provides guidance on each of the Comparative Evaluation Criteria.

1. Speed to Market Offering

The applicant is invited to make a speed to market offering by stating the maximum number of full months from the date of licence issue that the applicant requires to make meaningful FWALA services available to all end users within coverage in the licensed area.

”Meaningful FWALA services” in this context means the provision of actual broadband services to all end users, within coverage in the licensed area, who request such services. Anything that falls short of providing actual services is unacceptable and may result in revocation or non-renewal of a licence. For example, setting up a base station or transmitter in a licensed area would not of itself constitute providing meaningful services or using a licence, nor would providing services to a token number of customers while turning away numerous others.

2. Maximum Monthly Charge for Residential Service Offering

An unbundled and stand-alone FWALA service having the attributes as set out in Table 2 is to be made available on request to all of residential (“non-commercial”) end users within coverage in the licensed service area.

Table 2: Residential Offering Characteristics

Residential Offering Characteristics	
Nominal data transmission rate, network to subscriber:	<i>2 Mbit/s</i>
Nominal data transmission rate, subscriber to network:	<i>256 kbit/s</i>
Maximum contention ratio:	<i>24:1</i>
<i>Inclusive data allowance in monthly tariff:</i>	<i>10 GByte per month</i>

The applicant is invited to make a voluntary offering in respect of the maximum monthly charge, including VAT, for such a residential service. The maximum monthly charge must be clear, unambiguous and all inclusive, with no hidden extras. The charge shall include the monthly tariff and any additional charges, such as installation charge and equipment rental, averaged over a 12 monthly period.

For an uninterrupted period of 12 months from date of service launch, the applicant shall make its residential service offering available to all end users in the licensed area at a monthly charge not exceeding the maximum monthly charge committed to by the applicant.

For the avoidance of doubt, licensees will be free to offer additional services beyond those to which their committed charge relate.

3. Maximum Monthly Charge for Business Service Offering

An unbundled and stand-alone fixed wireless access service having the attributes as set out in Table 3 is to be made available on request to all commercial end users within coverage in the licensed service area.

Table 3: Business Offering Characteristics

Business Offering Characteristics	
Nominal data transmission rate, network to subscriber:	<i>2 Mbit/s</i>
Nominal data transmission rate, subscriber to network:	<i>2 Mbit/s</i>
Maximum contention ratio:	<i>10:1</i>
<i>Inclusive data allowance in monthly tariff:</i>	<i>Unlimited</i>

The applicant is invited to make a voluntary offering in respect of the maximum monthly charge, including VAT, for such a business service.

The maximum monthly charge must be clear, unambiguous and all inclusive, with no hidden extras. The charge shall include the monthly tariff and any additional charges, such as installation charge and equipment rental, averaged over a 12 monthly period.

For an uninterrupted period of 12 months from date of service launch, the applicant shall make this business service offering available to all end users in the licensed area at a monthly charge not exceeding the maximum monthly charge committed by the applicant.

For the avoidance of doubt, licensees will be free to offer additional services beyond those to which their committed charge relate.

4. Performance Bond Offering

The applicant is invited to submit a voluntary offering in respect of the value of the performance bond that is to be attached to the licence. The maximum value applicable to the performance bond is €15,000.

The performance bond shall have effect for a period of 24 months from the date of licence issue and will be forfeit in the event of a failure by the licensee to comply with any of the conditions of its FWALA Licence. A performance bond that is not forfeited will be returned to the licensee after the 24-month period has elapsed.

A performance bond must be secured by means of a cash deposit or by means of a guarantee provided by a reputable bank or bonding agency.

The performance bond shall apply to any “temporary” and subsequent “12 month” FWALA licence issued to the applicant. For example, if a temporary licence is issued for 9 months and a 12 month licence is subsequently issued, then the 24 month performance bond would apply to the 9 months of the initial temporary licence, the 12 months of the subsequent “12 month” licence, and the first 3 months of the second 12-month licence.

3.3 Guidance on Comparative Evaluation Scoring Mechanism

Where the number of valid applications received exceeds the number of available licences, the comparative evaluation criteria will apply. All applications will be evaluated in accordance with the procedure set out in Regulation 11 of the European Communities (Electronic Communications Networks and Services) (Authorisation) Regulations, 2011(S.I. 335 of 2011).

The maximum points available to each of the criteria are set out in Table 4.

Table 4: Summary of evaluation criteria and associated marks

Evaluation Criteria	<i>Maximum Marks</i>
Speed to Market Offering	25
Residential Service Offering	25
Business Service Offering	25
<i>Performance Bond</i>	25

Guidance on the scoring mechanism for each of the criteria is set out below:

1. Speed to Market Offering

Marks will be awarded to applicants who commit to providing meaningful services in a time period shorter than 12 months. Maximum marks will be awarded to offerings within 2 months.

2. Maximum Monthly Charge for Residential Service Offering

Marks will be awarded to applicants based upon the maximum monthly charge for the residential service offering.

3. Maximum Monthly Charge for Business Service Offering

Marks will be awarded to applicants based upon the maximum monthly charge for the business service offering.

4. Performance Bond Offering

Marks will be awarded to applicants who commit to providing a performance bond. Maximum marks will be awarded to the applicant who commits the highest performance bond. The maximum value of the performance bond that an applicant can commit to is €15,000.

Upon completion of the process each applicant will be informed of the outcome and presented with a summary of the evaluation result regarding its application.

3.4 Outcome of Competition & Temporary Licence Offers

A temporary licence will be offered to the applicant who meets the minimum admittance criteria and is ranked highest following a comparative evaluation.

The duration of the temporary licence will be matched to the “speed to market” voluntary offering of the applicant. e.g. if an applicant states that it will provide meaningful FWALA services within 6 months of being granted a licence, then the temporary licence will run for 6 months.

Any remaining temporary licence(s) in that geographical area will then be offered to the next highest ranked, eligible applicant, and so on. In the event that the first successful applicant does not accept the temporary licence, or fails to meet its' temporary licence conditions within the term of the licence, the licence will then be offered to the next highest ranked applicant, and so on.

If two or more applications cannot be differentiated by comparative evaluation, then the available temporary licence(s) shall be awarded by drawing of lots.

Where a temporary licence is offered, whether by comparative evaluation or not, ComReg will incorporate conditions into the licence based on the voluntary commitments contained in the application submitted.

Successful applicants will be notified in writing by ComReg. From the date of notification the applicant will have 14 days to accept the licence and 30 days to lodge its committed performance bond with ComReg. A performance bond must be secured by means of a cash deposit or by means of a guarantee provided by a reputable bank or bonding agency. The temporary licence offer will be deemed to have lapsed if it is not accepted within 14 days or if the performance bond is not lodged with ComReg within 30 days.

3.5 Application for a 12 month Licence

Prior to the expiration of the temporary licence, the licensee may apply to ComReg for a 12 month licence. In applying for a 12 month licence, the onus is on the licensee to prove that it has complied with its licence commitments.

Where the licensee has satisfied ComReg that it has met its licence conditions, ComReg may grant a 12 month licence to the licensee.

Where the licensee has not satisfied ComReg that it has met its licence conditions ComReg will either refuse to issue a 12 month licence, thereby rendering the spectrum available for re-allocation.

3.6 Example of Part VIII FWALA Licence Text

The following is an example of Part VIII of a FWALA Licence which may be issued following this comparative evaluation.

Part VIII - Commitments which the licensee made in the course of a competitive or comparative evaluation process

1. Commitment regarding Speed to Market

Within _____ full months from the date of licence issue, the licensee shall make meaningful FWALA services available to all end users within coverage in the licensed service area.

Meaningful FWALA services are defined as the provision of actual broadband services to end customers.

2. Commitment regarding Maximum Monthly Charge for Residential Service Offering

For an uninterrupted period of 12 months from date of service launch, the licensee shall make available on request to all of its residential (“non-commercial”) end users within coverage an unbundled and stand-alone fixed wireless access service having the following attributes:

Nominal data transmission rate, network to subscriber:	<i>2 Mbit/s</i>
Nominal data transmission rate, subscriber to network:	<i>256 kbit/s</i>
Maximum contention ratio:	<i>24:1</i>
<i>Inclusive data allowance in monthly tariff:</i>	<i>10 GByte per month</i>

For an uninterrupted period of 12 months from date of service launch, the licensee shall make such a service available at a maximum charge of € _____ per month, including VAT.

The maximum monthly charge must be clear, unambiguous and all inclusive, with no hidden extras. The charge shall include the monthly tariff and any additional charges, such as installation charge and equipment rental, averaged over a 12 monthly period.

3. Commitment regarding Maximum Monthly Charge for Business Service Offering

For an uninterrupted period of 12 months from date of service launch, the licensee shall make available on request to all of its commercial end users within coverage an unbundled and stand-alone fixed wireless access service having the following attributes:

Nominal data transmission rate, network to subscriber:	<i>2 Mbit/s</i>
Nominal data transmission rate, subscriber to network:	<i>2 Mbit/s</i>

Maximum contention ratio:	10:1
<i>Inclusive data allowance in monthly tariff:</i>	<i>Unlimited</i>

For an uninterrupted period of 12 months from date of service launch, the licensee shall make such a service available at a maximum charge of € _____ per month, including VAT.

The maximum monthly charge must be clear, unambiguous and all inclusive, with no hidden extras. The charge shall include the monthly tariff and any additional charges, such as installation charge and equipment rental, averaged over a 12 monthly period.

4. Performance Bond

Where the licensee fails to comply with any of the conditions of its licence, within the time period of 24 months from the date of issue of its licence, then the licensee shall pay to ComReg by way of a performance bond, the amount of € _____.

In order to discharge its performance bond, the licensee must satisfy ComReg that it has complied with its licence conditions. The licensee shall provide ComReg with such information as may be requested. The performance bond shall remain valid for 24 months from the date of issue of the licence as stated in Part VII.

Collection or payment of the performance bond set out above shall not affect ComReg's powers to take such other measures as it deems necessary to ensure compliance with the licence conditions.