



Commission for  
**Communications Regulation**

# **ComReg's Transition Project Plan for Time Slice 2 of the Multi-Band Spectrum Award (MBSA) process**

## **Information Notice**

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# 1: Introduction and Background

1. The purpose of this document is to set out the Commission for Communications Regulation's ("ComReg") Transition Project Plan ("TPP") for Time Slice 2 ("TS2")<sup>1</sup> in the 1800MHz band in respect of its Multi-Band Spectrum Award ("MBSA") Process.

## Background

2. Section 3.8 of the MBSA Information Memorandum (the "IM")<sup>2</sup> sets out the transition rules that all GSM Licensees and Winning Bidders (together the "Licensees") are obliged to comply with ("Transition Rules"). Amongst other things, the Transition Rules require that all transition activities<sup>3</sup> for TS2 are to be completed by 23:59 hrs, 12 July 2015 (the "Deadline Date").<sup>4</sup>
3. The Licensees are: Meteor Mobile Communications Limited ("Meteor"), Three Ireland (Hutchison) Limited ("3IHL"), Three Ireland Services (Hutchison) Limited ("3ISHL")<sup>5</sup> and Vodafone Ireland Limited ("Vodafone").<sup>6</sup>
4. The purpose of the TPP is to set out the transition activities required to be completed by the Licensees to comply with the Transition Rules by the Deadline Date, including identification of associated milestones and timeframes, and other matters (including the potential for Liquidated Damages to be applied) during this transition process.
5. The distribution of spectrum blocks in the 1800 MHz band in each time slice amongst the Licensees is shown in Table 1 below.

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<sup>1</sup> "Time Slice 2" is the period from 13 July 2015 until 12 July 2030.

<sup>2</sup> ComReg document 12/52 *Multi-band Spectrum Release - Information Memorandum*.

<sup>3</sup> I.e. activities required of the Licensees to alter their respective networks to operate using the spectrum assignments determined by the MBSA process.

<sup>4</sup> Specifically, paragraph 3.165 of the IM states that "*the deadline for the completion of all Transition activities, for the second time slice is 12 July 2015*"

<sup>5</sup> Formerly Telefonica Ireland Limited. Telefonica Ireland Limited was acquired by Hutchison 3G UK Holdings Limited in 2014 (with approval from the European Commission) and subsequently changed its name to Three Ireland Services (Hutchison).

<sup>6</sup> For the remainder of this document, the term "Licensees" excludes 3ISHL as it is not required to undertake any transition activities for TS2.

**Table 1: 1800 MHz bandplan – Time Slice 1<sup>7</sup> and Time Slice 2**

Spectrum Blocks	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
Operator TS1		3ISHL		3IHL		Vodafone				Fallow			Meteor		
Operator TS2		3ISHL				Vodafone			3IHL				Meteor		

### Transition Activities for the 1800 MHz band for Time Slice 2

6. From Table 1, ComReg observes that two transition activities in the 1800 MHz band are required to be completed by the Deadline Date:
  - 3IHL to transition from spectrum blocks D and E<sup>8</sup> to enable the use of these spectrum blocks by Vodafone; and
  - Meteor to transition from spectrum block L<sup>9</sup>, to enable the use of this spectrum block by 3IHL.

### Key interactions with Licensees leading up to the TS2 TPP

7. In June 2014, ComReg requested that 3IHL and Meteor provide details of their respective proposed TS2 transition activities. These initial proposals were received on 7 July 2014 and 25 July 2014, respectively.
8. On 23 February 2015, ComReg wrote to each of the Licensees for further details on their respective transition plans and also invited the Licensees to formulate a mutually agreed plan.
9. On 9 March 2015, ComReg received proposals from each of the Licensees and these are presented in Annex 1. ComReg notes that 3IHL discussed its proposal with the other Licensees with a view to forming an industry agreed TPP proposal.
10. On 8 April 2015, 3IHL provided a revised transition proposal to ComReg. ComReg subsequently sought clarification regarding this proposal and 3IHL responded by way of letter dated 22 April 2015, setting out its further revised proposal and

<sup>7</sup> “Time Slice 1” (“TS1”) is the period from 1 February 2013 to 12 July 2015.

<sup>8</sup> Spectrum Blocks D and E refer to 1725.0 - 1735.0 MHz / 1820.0 - 1830.0 MHz.

<sup>9</sup> Spectrum Block L refers to 1765.0 – 1770.0 MHz / 1860.0 – 1865.0 MHz.



confirming that its revised transition plan had been shared with Meteor and Vodafone, and both had confirmed that they had no objection to it.

11. On 23 April, ComReg sought clarifications on 3IHL's revised proposal to which 3IHL responded on same date.
12. Following these clarifications, ComReg presented the combined transition proposals of the Licensees (as a proposed TPP - inclusive of 3IHL's most recent clarifications and additional monitoring provisions) to the Licensees on 30 April 2015.
13. Each of the Licensees agreed to the proposed TPP (see Annex 3) on 1 May, inclusive of a minor suggestion provided by Meteor.
14. The TS2 TPP as agreed by the Licensees is set out in the following section.

## 2: TS2 Transition Project Plan Proposal from Licensees

15. The TS2 TPP proposal as agreed by the Licensees is set out below in Tables 2, 3 and 4 below for 3IHL, Meteor and Vodafone respectively.

**Table 2: 3IHL TS2 Transition Activities**

<b>Activity</b>	<b>Project Date</b>	<b>Deadline Date</b>
Perform band scan to ensure blocks J & K are clean	9th April 2015	9th April 2015
Wexford Trial (3 Sites): spectrum retune from block D & E to block J & K, and report to ComReg	6 May 2015	6 May 2015
Galway Trial (22 Sites): spectrum retune from block D & E to block J & K, and report to ComReg	11 May 2015	11 May 2015
Move entire LTE 1800 network from block D & E to block J & K, and report to ComReg	16th May 2015	16th May 2015
Perform band scan to ensure blocks I & L are clean. Subject to this, from 13 July, blocks I, J, K, and L are available for use by 3IHL.	13th July 2015	13th July 2015

**Table 3: Meteor TS2 Transition Activities**

<b>Activity</b>	<b>Project Date</b>	<b>Deadline Date</b>
Report to ComReg number of sites deactivated in 1800/L for April	30 April 2015	30 April 2015
Report to ComReg, number of sites deactivated in 1800/L for May	31 May 2015	31 May 2015
Report to ComReg number of sites deactivated in 1800/L for June	30 June 2015	30 June 2015
Completion of deactivation of sites in 1800/L	12 July 2015	12 July 2015
Meteor vacates block 1800/L		23.59:59 Hrs 12 July 2015

**Table 4: Vodafone TS2 Transition Activities**

<b>Activity</b>	<b>Project Date</b>	<b>Deadline Date</b>
Vodafone retune to include blocks 1800/D and 1800/E	13 July 2015	No Earlier than 00.00 Hrs 13 July 2015

### Liquidated Damages

16. ComReg notes that 3IHL and Meteor accept that Liquidated Damages (as per section 3.8.2 of the IM) apply in the case where their respective Transition Activities are not completed by 23.59.59 Hrs on 12 July 2015.

## 3: Conclusion

17. As the Licensees have agreed the proposed TS2 TPP as detailed above, and 3IHL and Meteor have accepted that Liquidated Damages (as per section 3.8.2 of the IM) apply in the case where Transition Activities are not completed by 23:59.59 Hrs on 12 July 2015, ComReg considers it appropriate to accept this proposal.
18. ComReg will monitor progress of the TS2 TPP between now and completion on 12 July 2015. In respect of 3IHL's and Meteor's reporting activities, ComReg requires that these parties notify ComReg and the other Licensees of any deviation from the TS2 TPP as soon as possible and preferably in advance of the specific deadline date.
19. Finally, and for the avoidance of doubt, ComReg will make such variations to relevant Licensee's Liberalised Use Licences as required to give effect to the TS2 TPP.

# Appendix 1: TS1 to TS2 Transition Rules

A 1.1 Transition Rules for the transition between TS1 and TS2, are set out in section 3.8.1 of the IM. Amongst other things, the Transition Rules set the deadline date for the completion of all Transition Activities as 12 July 2015.

A 1.2 Section 3.8.1 of the IM (as amended by answer 17 in ComReg 12/73) states:

*'3.164 A similar Transition Project Plan and process may be adopted by ComReg for Time Slice 2 where it appears possible that delays may be caused to the commencement date of Lots in Time Slice 2, by the Transition activities of Existing GSM Licensees or Winning Bidders of Lots in Time Slice 1. Depending upon the nature and extent of Transition activities required between Time Slice 1 and Time Slice 2, ComReg reserves the right to apply these Transition Rules to the Existing GSM Licensees and the Winning Bidders of Lots in Time Slice 1 in the 800 MHz, 900 MHz and 1800 MHz bands.*

*3.165 If it is necessary to adopt such a Transition Project Plan and process, it will be based upon the Transition Rules as set down for the period between the award of liberalised licences and the commencement date of liberalised licences in Time Slice 1, with the exception that:*

- *the deadline for the completion of all Transition activities, for the second time slice is 12 July 2015; and in order to give them the fullest consideration the:*
  - *Transition Project Proposal related to Relocation activities are to be submitted by 12 July 2014 (one year in advance); and*
  - *Transition Project Proposal related to Retuning activities are to be submitted by 12 July 2013 (two years in advance).'*

# Annex 1: Details of Licensee's Proposals

## Licensee's Replies to ComReg's Letter of 23 February 2015

A 1.1 Meteor Response of 09 March 2015 to ComReg.

From: William.McCoubrey@meteor.ie  
Sent: 09 March 2015 17:24  
To: David Thom  
Cc: David.Humphreys@meteor.ie; MBourke@eircom.ie  
Subject: RE: [Confidential] MBSA Time Slice 2 ("TS2") Transition Process

Dear David,

I refer to your letter of 23rd February 2015 in relation to Timeslice 2 Transition activities in the 1800MHz band.

- Identification of the Transition activities to be undertaken

Meteor must cease transmission in block 1800/L on or before 12th July 2015.

- The setting of milestone dates

The sole milestone date is 12th July 2015 for the purpose of Transition planning. Meteor will cease transmission in block 1800/L on or before 12th July 2015. Meteor is not dependent on the activities of any other operator in the 1800MHz band to complete its activities.

Meteor has for some months been operating an internal project to clear block 1800/L. At project commencement Meteor had a total of 291 sites transmitting in the block. To date 88 of these sites have been switched off. A further 78 will be switched off during March. The remaining 125 will be switched off during the next quarter following completion of activities to augment local capacity. All sites will be switched off on or before 12th July 2015.

- Robust and transparent measures to allow ComReg to monitor compliance

Meteor proposes that it will provide at the end of each month a summary of the total number of sites switched off in the month and the remaining number of sites to be switched off on or before 12th July 2015.

- Acceptance of liability for liquidated damages

Meteor is authorised to transmit in block 1800/L until 23.59hrs on 12th July 2015. Meteor will cease transmitting in the block 1800/L on or before 12th July 2015. Meteor acknowledges that if it was to continue transmissions beyond 12th July 2015 then liquidated damages may apply.

Please note I have spoken with representatives of Hutchison 3G and Vodafone who have agreed that Meteor's transition activities are not dependant on any activity on their part and consequently there is no requirement for a joint Transition Project Proposal to be developed.

Please do not hesitate to contact me if you would like to discuss in more detail.

Regards,  
William

A 1.2 3IHL Response of 09 March 2015 to ComReg, (Note, dated 04 February 2015)



Three Ireland (Hutchison) Limited

Registered office  
28/29 Sir John Rogerson's Quay  
Dublin 2, Ireland

t +353 (0) 1 5426300  
www.three.ie



4<sup>th</sup> February 2015

Mr. David Thom  
Commission for Communication Regulation  
Abbey Court, Irish Life Centre  
Lower Abbey Street  
Dublin 1

Dear Dave

### **MBSA TS 2 Transition**

I refer to your letter of 23<sup>rd</sup> February regarding the transition from Time Slice 1 to Time Slice 2. The following outlines Three's plan and proposal.

#### **Approach to Transition**

Three's approach to the 1800 MHz transition is driven by the requirement to clear block D & E for Vodafone and to deliver the capability to utilise the 2 x 20MHz of spectrum in the 1800MHz band using blocks I, J, K & L from 13<sup>th</sup> July. A key consideration will be to ensure that LTE services currently delivered for the Three customer base are not interrupted during the transition.

It is necessary for Three to deploy a software upgrade to its LTE network prior to 13<sup>th</sup> July in order to be able to enable the 20MHz channel. It will be necessary to roll-out this upgrade and carry out tests on a limited number of sites prior to the general network-wide roll-out. Three has planned a programme to re-tune the existing two operational blocks and apply the software upgrade incorporating the necessary testing prior to 13<sup>th</sup> July.

To avoid any risk of delay relating to the movement of spectrum while performing LTE software upgrades, Three proposes to move 1800MHz carriers from blocks D & E to blocks J & K on the 6<sup>th</sup> of May 2015. This move will free up blocks D & E for Vodafone, thereby removing the dependency on Three to vacate this spectrum. It will also enable us to occupy the central 10MHz frequency on blocks J & K which can be expanded to 20MHz after 13<sup>th</sup> of July, subsequent to software upgrades and testing.

We have identified a suitable trial area in Killarney where there are no Meteor 1800 MHz services. Meteor has agreed that Three can perform an 1800MHz 20MHz trial in Killarney from the 1<sup>st</sup> of June 2015. Three will separately apply for a trial licence for 6 sites to cover this testing. These sites will be restricted to prevent consumer access using Access Class selection.

**Registered Number: 316982**  
**Place of Registration: Republic of Ireland**

**Directors. Canning Fok: British. Frank Sixt: Canadian. Christian Salbaing: French**  
**Robert Finnegan: Irish. Simon Henry: British. David Hennessy: Irish**

Finally, Three require Meteor to clear block L by the 13<sup>th</sup> of July. Once band scans have confirmed that block I & L are clean 3 will commence the national roll-out of 20 MHz LTE services in the 1800MHz band from 15<sup>th</sup> of July.

### LTE 1800 MHz Transition Plan

The following table shows 3's timetable to prepare and complete transition in the 1800MHz band. Implementation is contingent on (i) early relocation from D&E to J&K; (ii) trial of upgraded software for four lots in Killarney; and finally the release of Lot L by Meteor.

Activity	Project Date	Deadline Date
Perform band scan to ensure blocks J & K are clean	23 <sup>rd</sup> March 2015	23 <sup>rd</sup> March 2015
3 moves LTE 1800 from block D & E to block J & K. Note: Block D & E are then free for VF.	6 <sup>th</sup> May 2015	6 <sup>th</sup> May 2015
<b>TRIAL:</b> 3ROI performs band scan to ensure blocks I, J, K & L are clean in Killarney	1 <sup>st</sup> June 2015	1 <sup>st</sup> June 2015
<b>TRIAL:</b> LTE 20MHz trial in Killarney (6 Site) on Block I, J, K & L. Note: Meteor has confirmed that there is no 1800 spectrum usage in Killarney.	8 <sup>th</sup> June 2015	8 <sup>th</sup> June 2015
<b>Milestone:</b> Time Slice 2 spectrum allocation	13 <sup>th</sup> July 2015	13 <sup>th</sup> July 2015
Meteor confirm that block L is vacated	13 <sup>th</sup> July 2015	13 <sup>th</sup> July 2015
Perform band scan to ensure blocks I & L are clean	13 <sup>th</sup> July 2015	13 <sup>th</sup> July 2015
3ROI roll-out 20 MHz 1800 LTE on Block I, J, K & L	15 <sup>th</sup> July 2015	15 <sup>th</sup> July 2015

Yours Sincerely




---

Tom Hickey

A 1.3 Clarification from 3IHL regarding all the provisions of Section 3.8 including Liquidated Damages

1<sup>st</sup> May 2015

Mr. David Thom  
Manager General Authorisations and Radio Services  
Commission for Communications Regulation  
Abbey Court  
Lower Abbey Street  
Dublin 1

Dear David

I refer to your letter of 23<sup>rd</sup> February regarding the Time Slice 2 transition in the Multiband Spectrum Award.

Your letter seeks confirmation of acceptance of Section 3.8 of the Information Memorandum (ComReg Document 12/52), which sets out the Transition Rules, including requirements regarding Liquidated Damages. I can confirm that Three Ireland (Hutchison) Ltd accepts the provisions of this section 3.8 of the Information Memorandum.

Yours Sincerely



---

Tom Hickey

A 1.4 Vodafone Response of 09 March 2015 to ComReg



9 March 2015 2015

Mr Dave Thom  
Commission for Communication Regulation  
Abbey Court  
Irish Life Centre  
Lower Abbey St

Dublin1

**RE: Multi-band Spectrum Award -Time Slice 2 transition in the 1800 MHz band**

Dear David

Thank you for your letter of the 23 February 2015. Since this date we have spoken to representatives of 3 Ireland and Meteor to discuss the transition arrangements required in the 1800MHz band at the beginning of Time-slice 2 of the periods defined in the 2012 Multi-band Spectrum Auction ( taking due note of compliance with Competition Law requirements) .

We understand from these discussions that the existence of currently unused blocks in the 1800 band will allow the transition to be carried out in a series of moves spaced in time so that complex fall-back processes involving more than one operator will not be required.

Our understanding is that 3 will move their traffic from blocks D and E to two of blocks IJK not more than two weeks before 13 July 2015.

Meteor will cease to use block L before the 13 July 2015.

At 00:00 on the 13 July 3 Ireland will have use of blocks IJKL and Vodafone will begin to use blocks DEFGH.

As Vodafone are not required to cease use of any blocks during this process we understand that there is no requirement for us to offer acceptance of liability for liquidated damages in accordance with the provisions of section 3.8 of the IM.

**Vodafone Ireland Limited**

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Registered Office: MountainView, Leopardstown, Dublin 18. Registered in Ireland No. 326967

## **Annex 2: 3IHL Revised proposal following clarification of timescales and agreement of other Licensees.**

A 2.1 Letter from 3IHL to ComReg dated 22 April 2015

Three Ireland (Hutchison) Limited

Registered office  
28/29 Sir John Rogerson's Quay  
Dublin 2, Ireland

t +353 (0) 1 5426300  
www.three.ie



22<sup>nd</sup> April 2015

Mr. David Thom  
Commission for Communication Regulation  
Abbey Court, Irish Life Centre  
Lower Abbey Street  
Dublin 1

Dear Dave

### **MBSA Time Slice 2 Transition**

I refer to previous correspondence regarding the transition from Time Slice 1 to Time Slice 2. As the detail of the proposed activities for the transition has changed since my letter of 4<sup>th</sup> February, I am sending this revised proposal.

Three's approach to the 1800 MHz transition is driven by the requirement to clear block D & E for Vodafone and to ensure that LTE services currently delivered for the Three customer base are not interrupted during the transition. In order to minimise the risk of service disruption, it has been recommended that Three carry out the transition in two small areas in advance of the main re-tune, so that it can be seen that there are no harmful impacts.

For this reason, it is proposed to move 4 sites in Wexford first, followed by 38 sites in Galway in advance of the main re-tune. The details of the change and the timetable are set-out in the table attached to this letter, which would see Lots D and E cleared by 16<sup>th</sup> May (presuming no problems are encountered). In all cases, the relevant sites will provide service using only 2 Lots of 1800MHz in advance of 13<sup>th</sup> July.

This revised transition plan has been shared with Meteor and Vodafone, and both have confirmed that they have no objection to it.

Yours Sincerely



---

Tom Hickey

Registered Number: 316982  
Place of Registration: Republic of Ireland

Directors. Canning Fok: British. Frank Sixt: Canadian. Christian Salbaing: French  
Robert Finnegan: Irish. Simon Henry: British. David Hennessy: Irish

### Three Ireland - MBSA Time Slice 2 Transition – 1800MHz

22<sup>nd</sup> April 2015

Activity	Project Date	Deadline Date
Perform band scan to ensure blocks J & K are clean	9 <sup>th</sup> April 2015	9 <sup>th</sup> April 2015
Wexford Trial (4 Sites): Spectrum retune from block D & E to block J & K.	27 <sup>th</sup> April 2015	27 <sup>th</sup> April 2015
Galway Trial (38 Sites): Spectrum retune from block D & E to block J & K.	29 <sup>th</sup> April 2015	29 <sup>th</sup> April 2015
3 moves entire LTE 1800 network from block D & E to block J & K.	16 <sup>th</sup> May 2015	16 <sup>th</sup> May 2015
Meteor confirm that block L is vacated.	13 <sup>th</sup> July 2015	13 <sup>th</sup> July 2015
Perform band scan to ensure blocks I & L are clean. Subject to this, from 13 <sup>th</sup> July, blocks I, J, K, and L are available for use by three.	13 <sup>th</sup> July 2015	13 <sup>th</sup> July 2015



## **A 2.2 E-mail detailing Vodafone's agreement to 3IHL's transition proposal**

Dave

As requested, the attached e-mails show the correspondence between myself and Eamon Farrell regarding the Transition Plan, and confirming that Vodafone does not have an objection.

Regards

Tom

From: Farrell, Eamon, Vodafone Ireland [mailto:Eamon.Farrell@vodafone.com]  
Sent: 22 April 2015 13:00  
To: Tom Hickey  
Cc: Healy, Gary, Vodafone Ireland  
Subject: RE: Transition Plan in the 1800MHz Band

Thanks Tom,

Sorry - my mail should have read "3 to confirm that blocks I and L will not be used for commercial traffic before the 13th July 2015."

Vodafone are in agreement with the proposal in light of your clarification.

Regards

Eamon

From: Tom Hickey [mailto:Tom.Hickey@three.ie]  
Sent: 22 April 2015 12:37  
To: Farrell, Eamon, Vodafone Ireland

Cc: Healy, Gary, Vodafone Ireland  
Subject: RE: Transition Plan in the 1800MHz Band

Hi Eamon

Thanks for coming back with the confirmation, I think we lost a point in the communication though which needs to be clarified. Just to make sure there is no confusion:

at the moment Three uses Lot D and E for commercial traffic serving customers on several hundred sites;

in Time Slice 2, those sites will need to switch from D and E to two out of lots I, J, K, or L;

the transition plan allows for an orderly switchover that minimises disruption to operational services, and we had proposed to do this ahead of 13th July. This means Lots D and E would be vacated and clear for Vodafone in advance of Time Slice 2 commencing. It would involve the switching of live cells that are carrying customer traffic in advance of 13th July though. There is no way to achieve this in advance of 13th July without continuing service on sites that are already operational, so Lots I and J would be used in place of Lots D and E as sites are transitioned over. It would be disruptive to customers to discontinue the existing service while carrying out the transition;

What is proposed is a straight 2 Lots for 2 Lots switchover – there's no proposal that the sites involved would expand their bandwidth to provide service on 4 lots in advance of 13th July.

Our engineers have advised that it is prudent in the interest of service continuity that we carry out the transition in the phased basis as described – first the 4 sites in Wexford, then 38 sites in Galway, and then all the remaining sites in a single move. If we cannot do this in advance of 13th July, then it will need to be carried out on a phased basis after the commencement of Time Slice 2. This would mean that Vodafone would be delayed in being able to use Lots D and E.

Can you confirm that Vodafone is still in agreement with the plan in the light of the above clarification, as the first bullet point in your e-mail doesn't seem to accord with this.

Regards

Tom

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### **A 2.3 E-mail from Meteor confirming agreement to 3IHL's transition proposal**

Dave

As requested, please see below the e-mail received from William confirming that Meteor has no objection to the proposed transition plan.

Regards

Tom

**From:** [William.McCoubrey@meteor.ie](mailto:William.McCoubrey@meteor.ie) [<mailto:William.McCoubrey@meteor.ie>]

**Sent:** 20 April 2015 17:03

**To:** Tom Hickey

**Cc:** [David.Humphreys@meteor.ie](mailto:David.Humphreys@meteor.ie)

**Subject:** RE: Transition Plan in the 1800MHz Band

Hi Tom,

Thank you for the call. You confirmed that Three's activities will not impact on Meteor's enjoyment of the L block prior to the expiry of Meteor's licence on 12<sup>th</sup> July 2015. As such Meteor has no objection to the Plan set out in the table below.

Regards,

William

**From:** Tom Hickey [<mailto:Tom.Hickey@three.ie>]

**Sent:** 17 April 2015 12:02

**To:** McCoubrey, William (Meteor)

**Subject:** Transition Plan in the 1800MHz Band

Hi William

I will give you a call on this, but we have a requirement to trial relocation in the 1800MHz band using a small number of sites before we shift the entire network. It doesn't really affect Meteor at all and there is no gain for Three in it (other than reducing the risk of a problem with the re-tune), however ComReg will want to know that everybody is happy with it before giving the go-ahead.

What is proposed is to try 4 sites in Wexford first, followed by 38 sites in Galway. If this is successful, then we would carry out the move for the main network on 16<sup>th</sup> May. Assuming there is no roll-back this would leave Lots D & E vacated from that point on. It's just a straight 2-Lot for 2-Lot swap-over.

The table below sets out our proposal with dates, location, and number of sites. Can you take a look at it please, and confirm that Meteor has no objections. If there are any concerns, please let me know and I will see if we can address them.



# Annex 3: Agreement of Licensees to TPP

## A 3.1 Agreement of Meteor to the Transition Project Plan

Hi Dave,

Meteor agrees with the plan. From a presentational perspective I think the activity in currently Table 2 - Meteor confirm that block L is vacated – should be in Table 3.

Regards,

William

**From:** David Thom [<mailto:david.thom@comreg.ie>]

**Sent:** 30 April 2015 14:43

**To:** 'Farrell, Eamon, Vodafone Ireland'; 'Tom Hickey'; McCoubrey, William (Meteor)

**Subject:** Confirmation of Transition Project Proposal for Time Slice 2 of the MBSA as per section 3.8 of the Information Memorandum

Dear Eamon, Tom and William,

For the avoidance of all doubt I am writing to you to confirm that the following Transition Project Proposal has been discussed and subsequently agreed between all of your respective organisations, namely; Vodafone Ireland Limited (“Vodafone”), Three (Hutchison) Ireland Limited (“3IHL”) and Meteor Mobile Communications Limited. The Transition Project Proposal is from your letters, subsequent discussions and e-mails received in response to my Letter of 23 February. This includes the updated dates and timescales provided over the last week by 3IHL. The Transition Project Proposal is shown in tabular form for each organisation and is as follows;

20. 1. **Table 2: 3IHL TS2 Transition Activities**

Activity	Project Date	Deadline Date
Perform band scan to ensure blocks J & K are clean	9th April 2015	9th April 2015
Wexford Trial (3 Sites): spectrum retune from block D & E to block J & K, and report to ComReg	6th May 2015	6 <sup>th</sup> May 2015
Galway Trial (22 Sites): spectrum retune from block D & E to block J & K, and report to ComReg	11th May 2015	11th May 2015
Move entire LTE 1800 network from block D & E to block J & K and report to ComReg	16th May 2015	16th May 2015
Meteor confirm that block L is vacated.	13th July 2015	13th July 2015
Perform band scan to ensure blocks I & L are clean. Subject to this, from 13 July, blocks I, J, K, and L are available for use by 3IHL.	13th July 2015	13th July 2015



**Table 3: Meteor TS2 Transition Activities**

<b>Activity</b>	<b>Project Date</b>	<b>Deadline Date</b>
Report to ComReg number of sites deactivated in 1800/L for April	30 April 2015	30 April 2015
Report to ComReg, number of sites deactivated in 1800/L for May	31 May 2015	31 May 2015
Report to ComReg number of sites deactivated in 1800/L for June	30 June 2015	30 June 2015
Completion of deactivation of sites in 1800/L	12 July 2015	12 July 2015
Meteor vacates block 1800/L		23.59:59 Hrs 12 July 2015

**Table 4: Vodafone TS2 Transition Activities**

<b>Activity</b>	<b>Project Date</b>	<b>Deadline Date</b>
Vodafone retune to include blocks 1800/D and 1800/E	13 July 2015	No Earlier than 00.00 Hrs 13 July 2015

Note, that once we receive confirmation from yourselves, then we will seek to publish this industry agreed Transition Project Proposal and this will be published as the Transition Project Plan for Time Slice 2

All the best

Dave

David Thom

Manager General Authorisations and Radio Services  
Commission for Communications Regulation

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## A 3.2 Agreement of 3IHL to the Transition Project Plan

Dave

I can confirm Three's agreement with the plan.

Regards

Tom

**From:** David Thom [<mailto:david.thom@comreg.ie>]

**Sent:** 30 April 2015 14:43

**To:** 'Farrell, Eamon, Vodafone Ireland'; Tom Hickey; 'William.McCoubrey@meteor.ie'

**Subject:** Confirmation of Transition Project Proposal for Time Slice 2 of the MBSA as per section 3.8 of the Information Memorandum

Dear Eamon, Tom and William,

For the avoidance of all doubt I am writing to you to confirm that the following Transition Project Proposal has been discussed and subsequently agreed between all of your respective organisations, namely; Vodafone Ireland Limited ("Vodafone"), Three (Hutchison) Ireland Limited ("3IHL") and Meteor Mobile Communications Limited. The Transition Project Proposal is from your letters, subsequent discussions and e-mails received in response to my Letter of 23 February. This includes the updated dates and timescales provided over the last week by 3IHL. The Transition Project Proposal is shown in tabular form for each organisation and is as follows;

21. 1. **Table 2: 3IHL TS2 Transition Activities**

<b>Activity</b>	<b>Project Date</b>	<b>Deadline Date</b>
Perform band scan to ensure blocks J & K are clean	9th April 2015	9th April 2015
Wexford Trial (3 Sites): spectrum retune from block D & E to block J & K, and report to ComReg	6th May 2015	6 <sup>th</sup> May 2015
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Move entire LTE 1800 network from block D & E to block J & K and report to ComReg	16th May 2015	16th May 2015
Meteor confirm that block L is vacated.	13th July 2015	13th July 2015
Perform band scan to ensure blocks I & L are clean. Subject to this, from 13 July, blocks I, J, K, and L are available for use by 3IHL.	13th July 2015	13th July 2015

**Table 3: Meteor TS2 Transition Activities**

Activity	Project Date	Deadline Date
Report to ComReg number of sites deactivated in 1800/L for April	30 April 2015	30 April 2015
Report to ComReg, number of sites deactivated in 1800/L for May	31 May 2015	31 May 2015
Report to ComReg number of sites deactivated in 1800/L for June	30 June 2015	30 June 2015
Completion of deactivation of sites in 1800/L	12 July 2015	12 July 2015
Meteor vacates block 1800/L		23.59:59 Hrs 12 July 2015

**Table 4: Vodafone TS2 Transition Activities**

Activity	Project Date	Deadline Date
Vodafone retune to include blocks 1800/D and 1800/E	13 July 2015	No Earlier than 00.00 Hrs 13 July 2015

Note, that once we receive confirmation from yourselves, then we will seek to publish this industry agreed Transition Project Proposal and this will be published as the Transition Project Plan for Time Slice 2

All the best

Dave

David Thom

Manager General Authorisations and Radio Services

Commission for Communications Regulation

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### A 3.3 Agreement of Vodafone to the Transition Project Plan

Thank you David,

I can confirm Vodafone's agreement with the plan

Regards

Eamon



**Eamon Farrell**

Strategic Network Programmes Manager

Vodafone Ireland Limited

Mobile: +353 87 250 2010

Email: [eamon.farrell@vodafone.com](mailto:eamon.farrell@vodafone.com)

Vodafone Ireland Limited, Registered Office: MountainView, Leopardstown, Dublin 18, Registered in Ireland: No. 326967

**From:** David Thom [<mailto:david.thom@comreg.ie>]

**Sent:** 30 April 2015 14:43

**To:** Farrell, Eamon, Vodafone Ireland; 'Tom Hickey'; 'William.McCoubrey@meteor.ie'

**Subject:** Confirmation of Transition Project Proposal for Time Slice 2 of the MBSA as per section 3.8 of the Information Memorandum

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Meteor confirm that block L is vacated.	13th July 2015	13th July 2015
Perform band scan to ensure blocks I & L are clean. Subject to this, from 13 July, blocks I, J, K, and L are available for use by 3IHL.	13th July 2015	13th July 2015

**Table 3: Meteor TS2 Transition Activities**

Activity	Project Date	Deadline Date
Report to ComReg number of sites deactivated in 1800/L for April	30 April 2015	30 April 2015
Report to ComReg, number of sites deactivated in 1800/L for May	31 May 2015	31 May 2015
Report to ComReg number of sites deactivated in 1800/L for June	30 June 2015	30 June 2015
Completion of deactivation of sites in 1800/L	12 July 2015	12 July 2015
Meteor vacates block 1800/L		23.59:59 Hrs 12 July 2015

**Table 4: Vodafone TS2 Transition Activities**

Activity	Project Date	Deadline Date
Vodafone retune to include blocks 1800/D and 1800/E	13 July 2015	No Earlier than 00.00 Hrs 13 July 2015

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All the best

Dave

David Thom

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