

**NOTICE 730 OF 2014****INDEPENDENT COMMUNICATIONS AUTHORITY OF SOUTH AFRICA****PURSUANT TO SECTION 4 (1) OF THE ELECTRONIC COMMUNICATIONS ACT  
2005, (ACT NO. 36 OF 2005)****HEREBY ISSUES A NOTICE REGARDING THE DRAFT IMT ROAD MAP FOR  
CONSULTATION – INVITATION FOR COMMENT DOCUMENT.**

1. The Independent Communications Authority of South Africa ("the Authority"), hereby publishes **the Invitation for Comments document on the Draft IMT (International Mobile Telecommunication) Roadmap for Consultation** in terms of section 2 and 4, read with sections 30, 31(4), and 33 of the Electronic Communications Act (Act No. 36 of 2005).
2. Interested persons are hereby invited to submit a hard copy as well as an electronic version of their representation on the Draft IMT Roadmap by no later than 16h00 on Tuesday, 7 October 2014.
3. When compiling their representation in terms of (2) above, respondents are required to respond to the questions using the attached template which can be obtained on the ICASA website: [www.icasa.org.za](http://www.icasa.org.za).

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## IMT Roadmap

4. Written representations or enquiries may be directed to:

The Independent Communications Authority of South Africa

*Pinmill Farm Block A*

*164 Katherine Street*

*South Africa*

Private Bag X10002

Sandton

2146

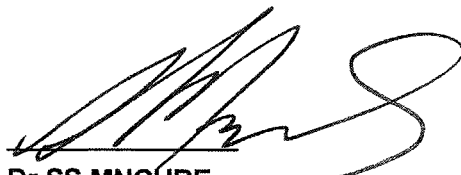
**Attention:**

Mr Manyapelo Richard Makgotlho

e-mail: [rmakgotlho@icasa.org.za](mailto:rmakgotlho@icasa.org.za)

5. All written representations submitted to the Authority pursuant to this notice shall be made available for inspection by interested persons from 8th of October 2014 at the ICASA Library or website and copies of such representations and documents will be obtainable on payment of a fee.

Where persons making representations require that their representation or part thereof be treated as confidential, then an application in terms of section 4D of the ICASA Act, 2000 (Act No. 13 of 2000) must be lodged with the Authority. Such an application must be submitted simultaneously with the representation on the draft IMT roadmap. Respondents are requested to ensure that any confidential material is marked clearly as confidential or placed in an annexure which is titled confidential. Kindly note that should the request for confidentiality be refused, the person making the request will be allowed to withdraw the representation or document in question.



**Dr SS MNCUBE**  
**CHAIRPERSON**

IMT Roadmap



# Invitation to Comment on the Draft IMT Roadmap

## August 2014

IMT Roadmap

# 1 Cover Sheet

Title

Given Name(s)

Surname

Representing (self /organisation)

Name of organisation (if applicable)

Contact telephone number

Contact email address

## 1.1 Confidentiality

See page 2 above.

## 1.2 Declaration

I confirm that the information supplied on the cover sheet may be incorporated into a formal consultation response: it can be published by ICASA, unless otherwise specified on this cover sheet, and I authorise ICASA to make use of the information in this response to meet its legal requirements.

Signed .....at.....

Date .....

## IMT Roadmap

## 2 Invitation to Comment

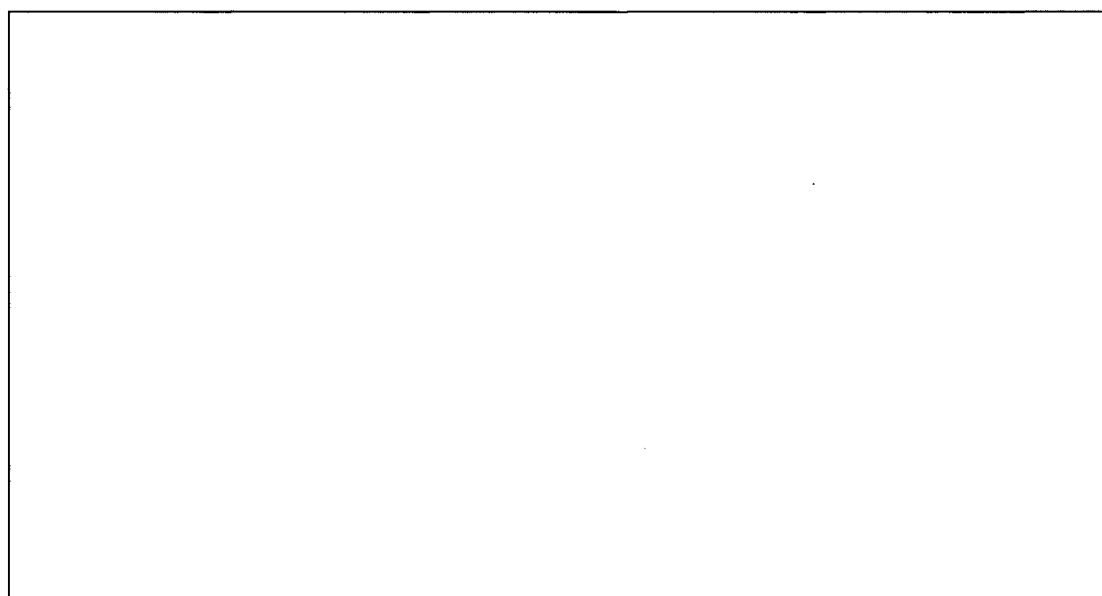
The Authority invites written comment from relevant stakeholders on the draft IMT Roadmap and Feasibility studies for IMT in 450-470 MHz and 880-960 MHz.

### 2.1 IMT450

2.1.1 The Authority invites industry views on IMT usage in general in 450-470MHz.

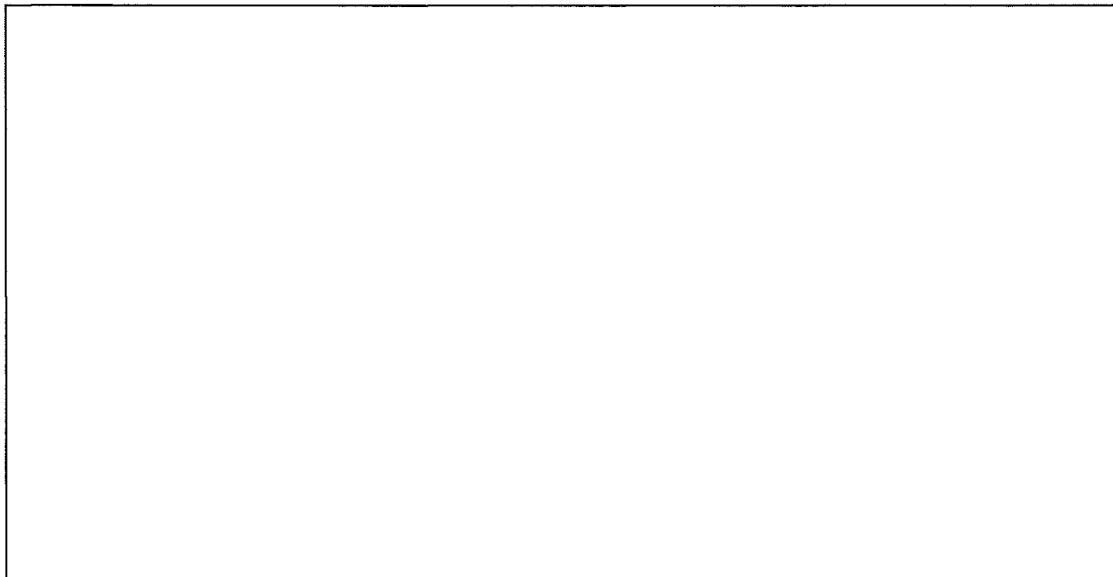


2.1.2 The Authority invites industry views on IMT paired spectrum usage for PPDR.

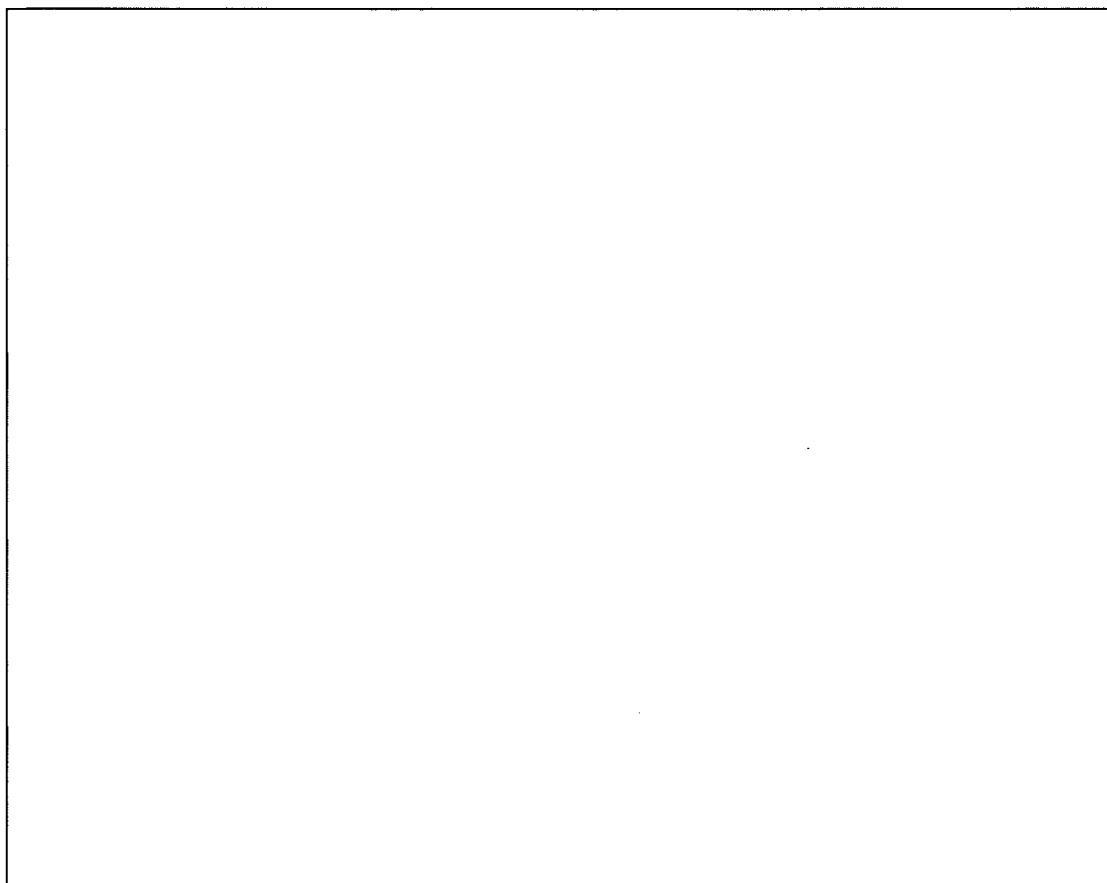


**IMT Roadmap**

**2.1.3** The Authority invites industry views on IMT paired spectrum usage for the SA connect initiative.



**2.1.4** The Authority invites industry views on IMT unpaired spectrum usage for M2M and smart energy/grid applications in South Africa.

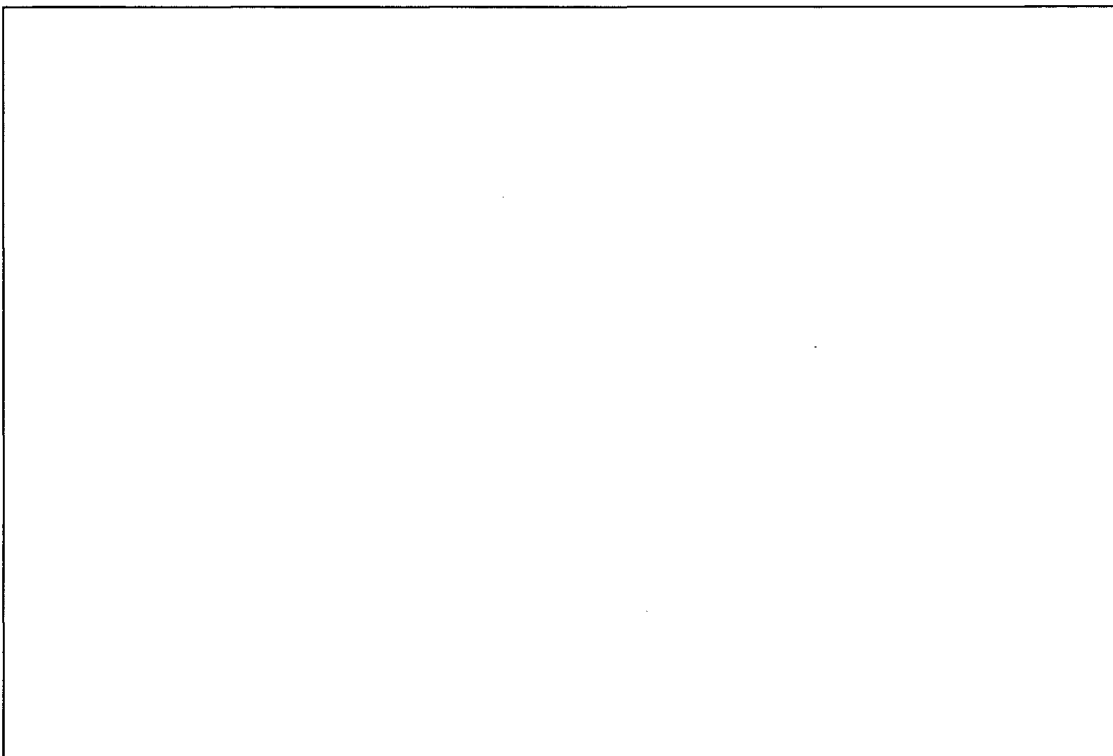


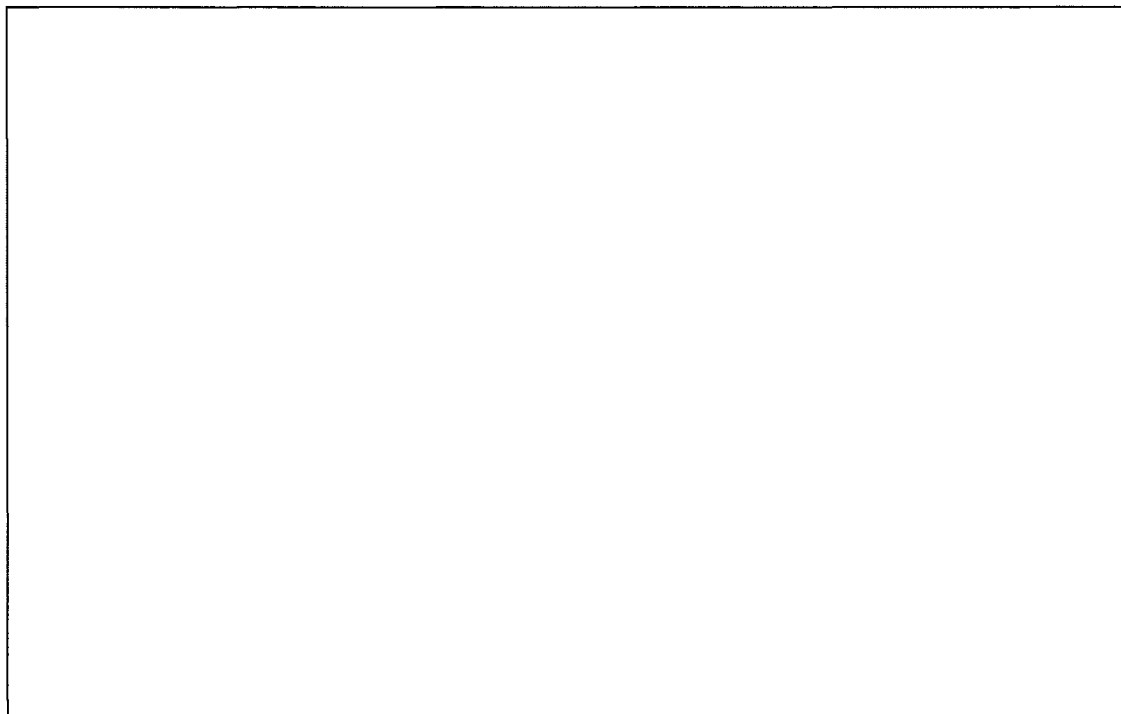
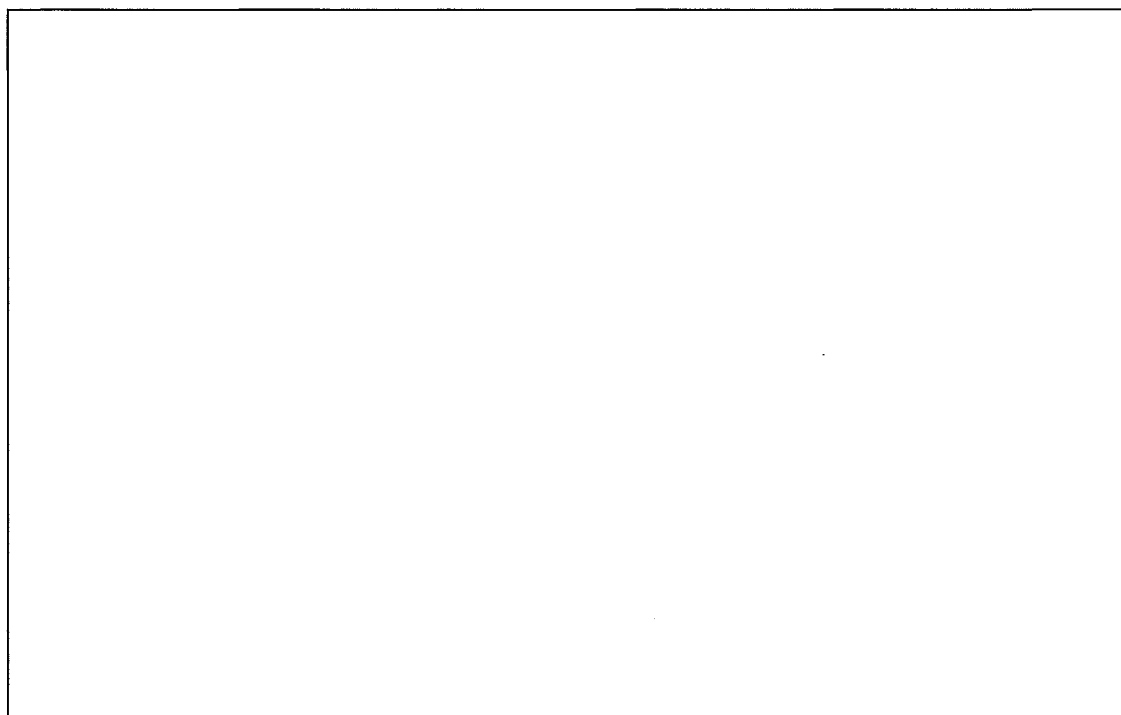
**IMT Roadmap**

**2.1.5** The Authority invites industry views on the migration of incumbents (Transnet, SAA, Telkom, etc.) out of the 450-470 MHz band.

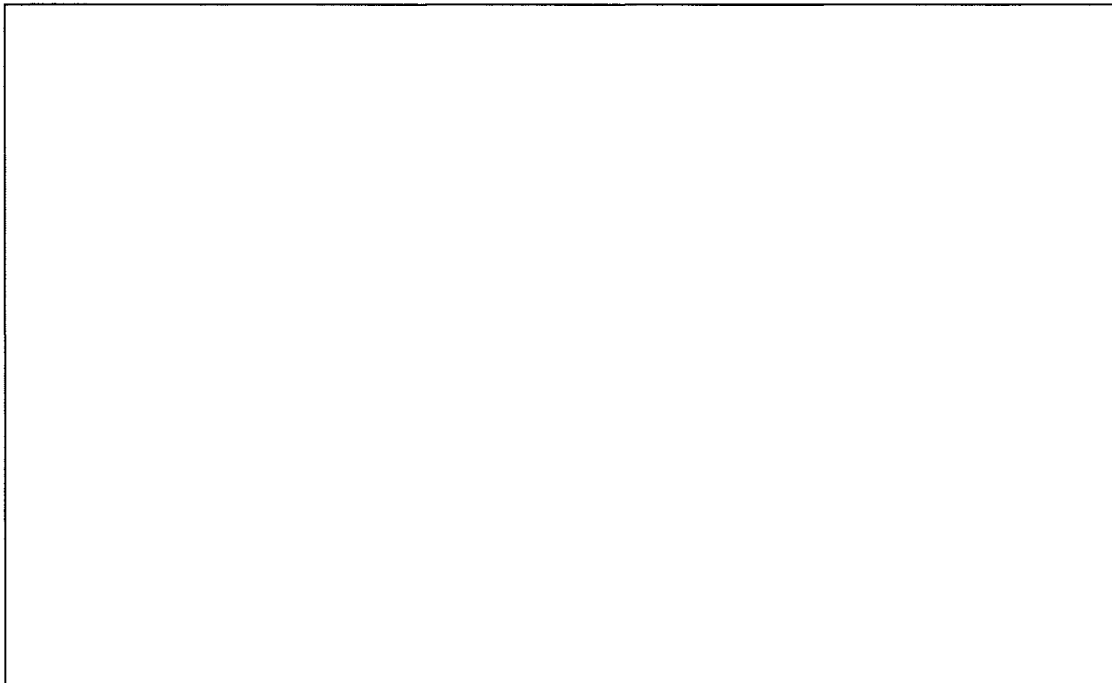
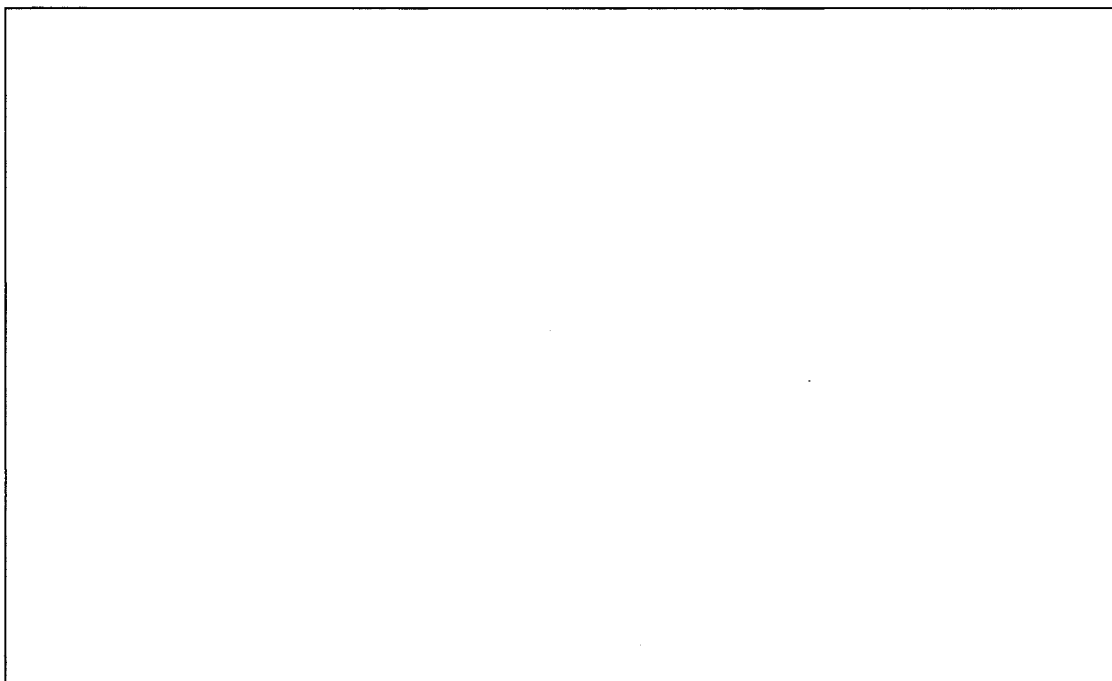


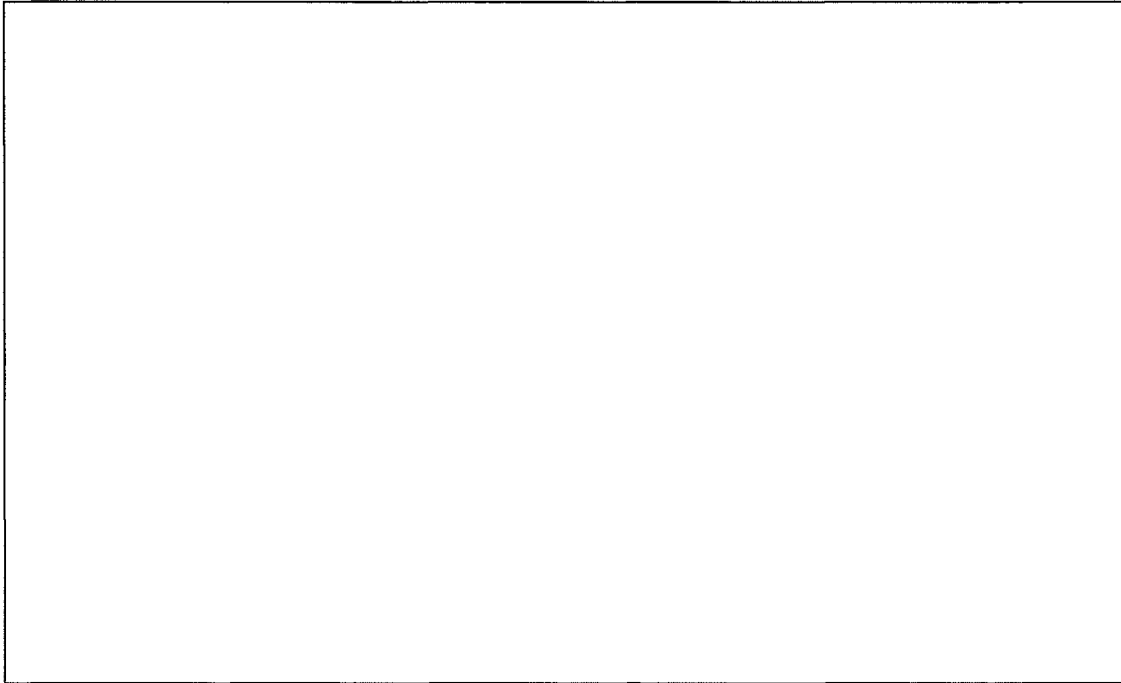
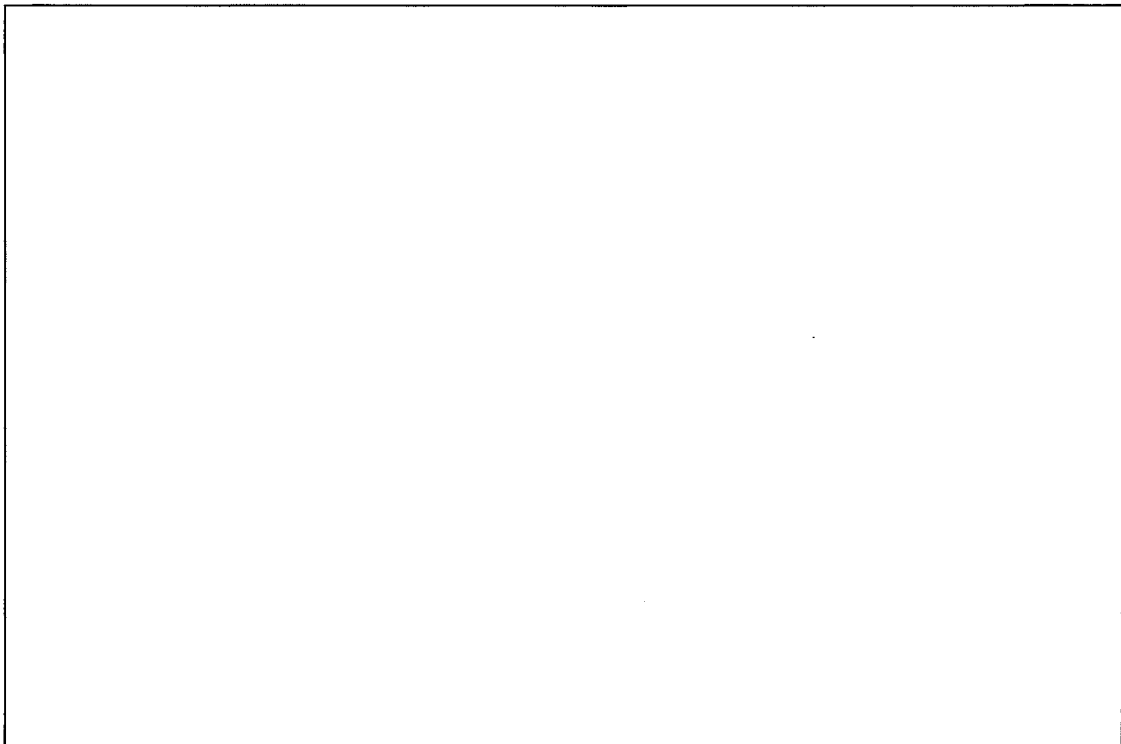
**2.1.6** The Authority invites industry views on the migration time line.

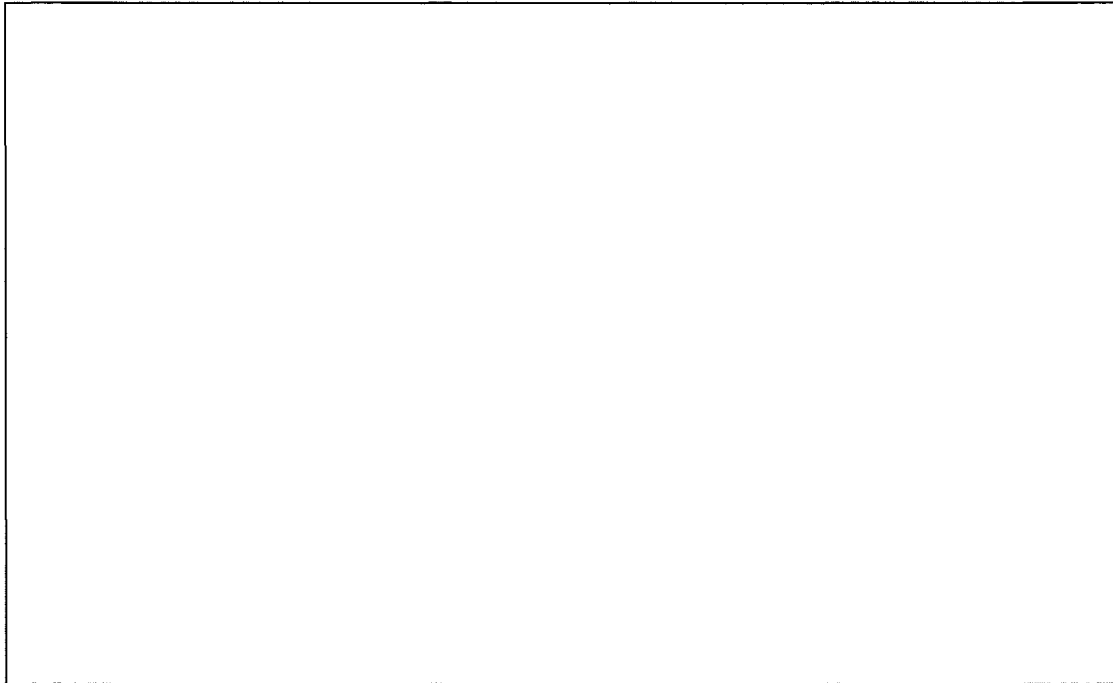
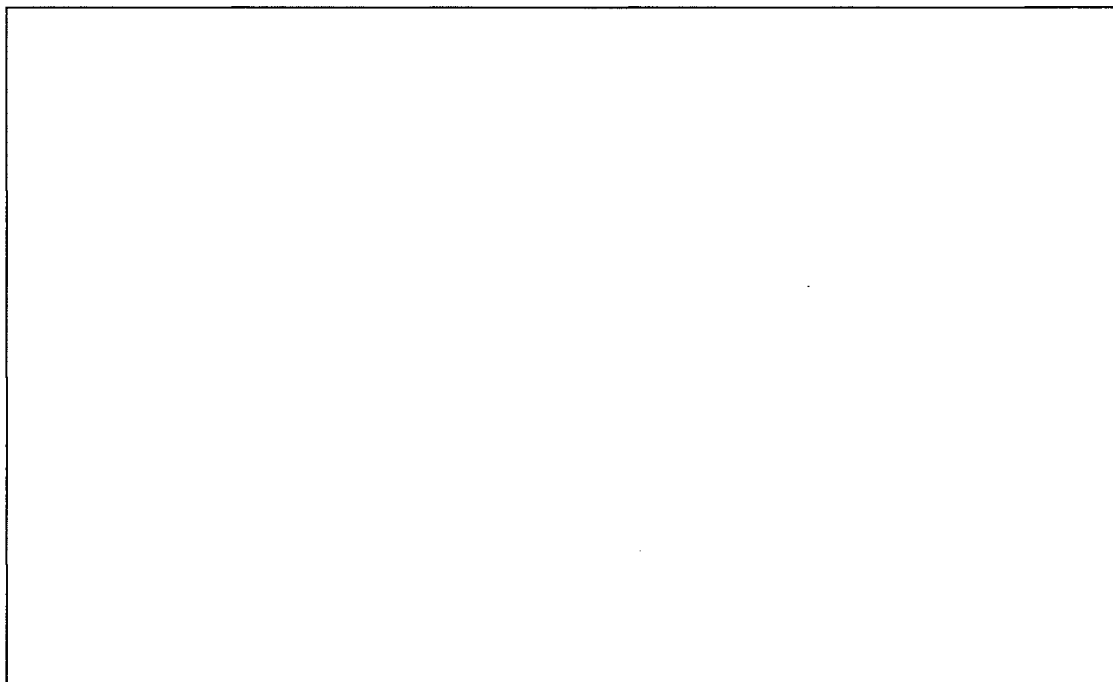


**IMT Roadmap****2.1.7** The Authority invites industry views on destination bands.**2.1.8** The Authority invites industry to give any other inputs that must be taken into consideration when finalising plans for the IMT 450 band**2.2 IMT700**

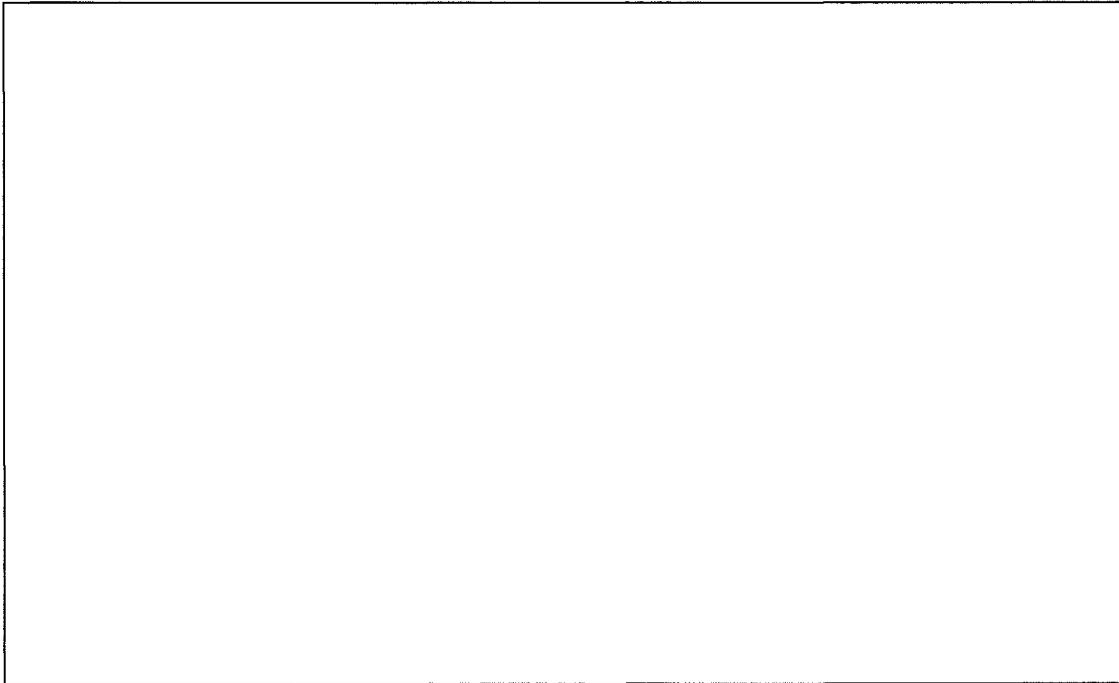
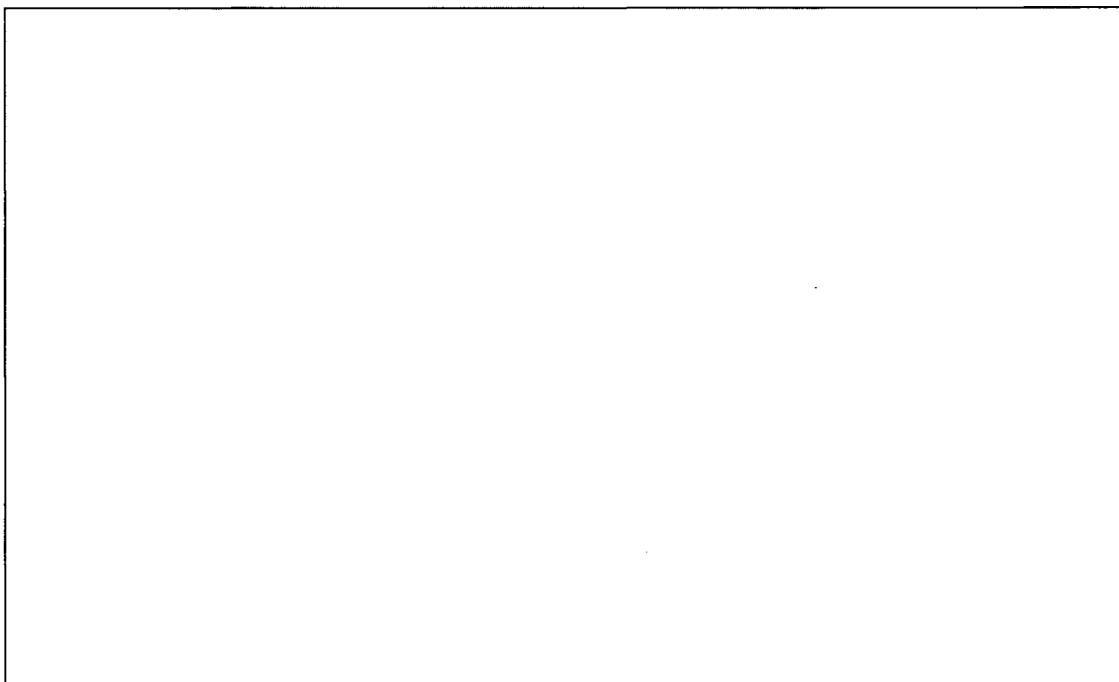


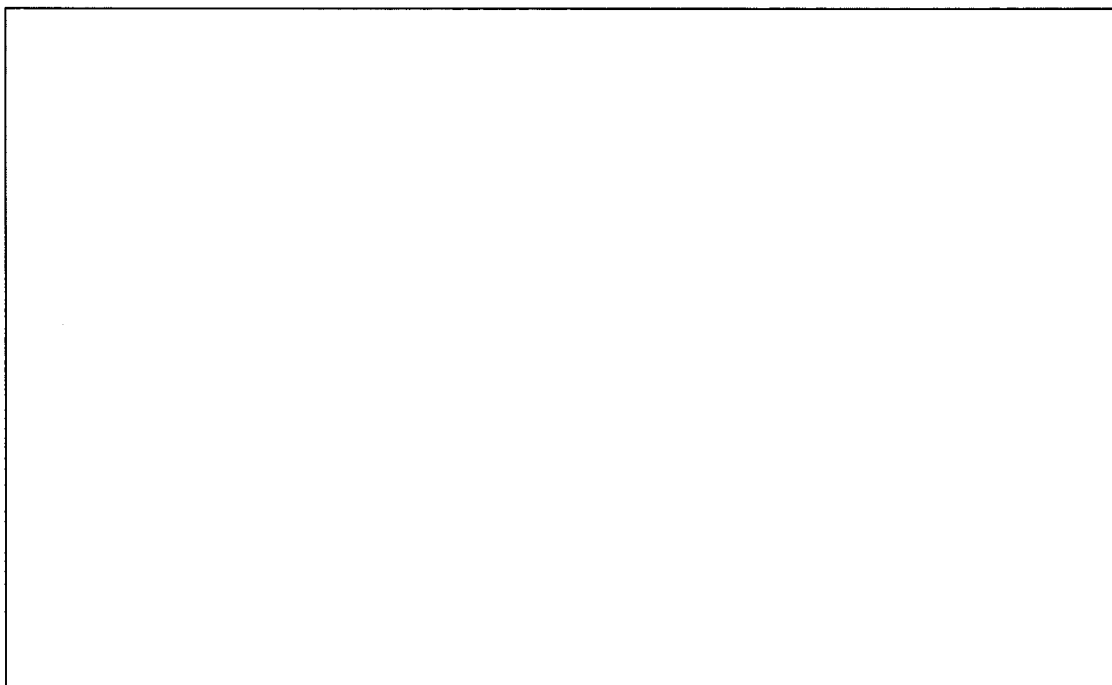
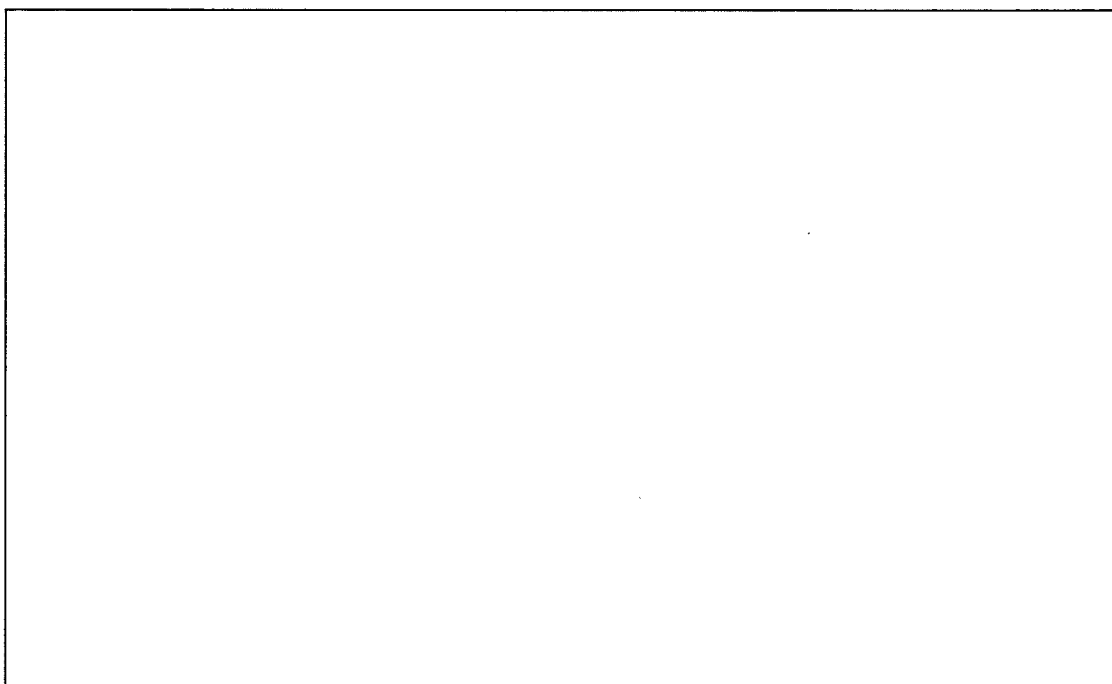
**IMT Roadmap****2.2.1** The Authority invites industry views on Option 1 (ITU Region 3).**2.2.2** The Authority invites industry views on Option 2 (ITU Region 1).

**IMT Roadmap****2.2.3 The Authority invites industry views on Option 3 (ITU Region 1).****2.2.4 The Authority invites industry views on 2×3 MHz IMT band of ITU Region 1 solution.**

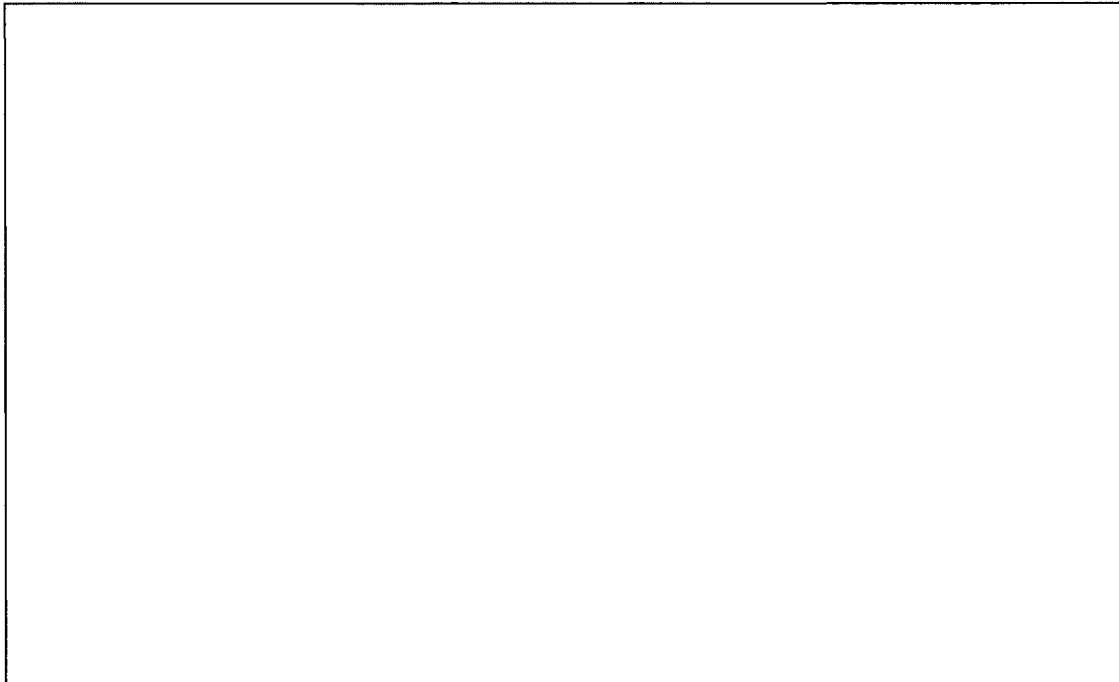
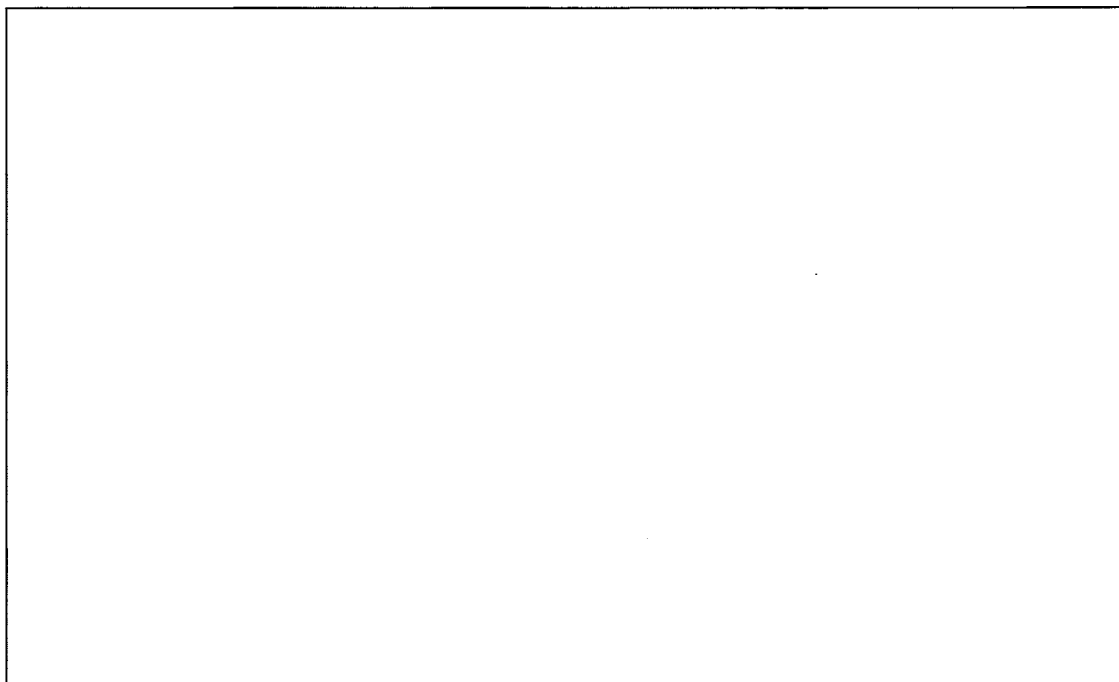
**IMT Roadmap****2.2.5** The Authority invites industry views on other ITU Region 1 based suggestions.**2.3 IMT750****2.3.1** The Authority invites industry views on IMT unpaired spectrum in the coverage band of 750 MHz.

## IMT Roadmap

**2.4 IMT800****2.4.1** The Authority invites industry views on Option 1 (ITU Region 3).**2.4.2** The Authority invites industry views on the 2×3 MHz IMT band of Option 1 (ITU Region 3).

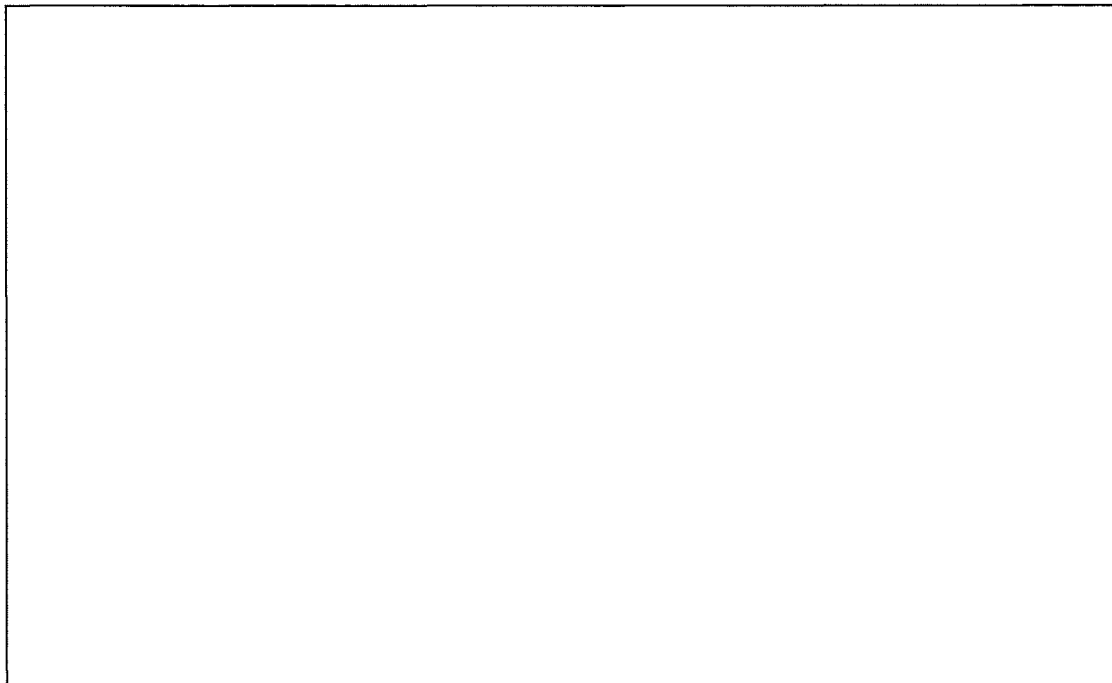
**IMT Roadmap****2.4.3 The Authority invites industry views on Option 2 and 3 (ITU Region 1)****2.5 IMT850****2.5.1 The Authority invites industry views on the migration of incumbents (Neotel, etc.) out of the band.**

## IMT Roadmap

**2.6 GSM900 spectrum consolidation****2.6.1** The Authority invites industry views on spectrum consolidation.**2.6.2** The Authority invites industry views on guard bands.

**IMT Roadmap**

- 2.6.3** The Authority invites industry views on the time line of spectrum consolidation, i.e. when it should be done.



- 2.6.4** The Authority invites industry views on demand for IMT migration of 5 MHz taking into consideration the spectrum for IMT available in the 700 and 800 MHz bands.



**IMT Roadmap**

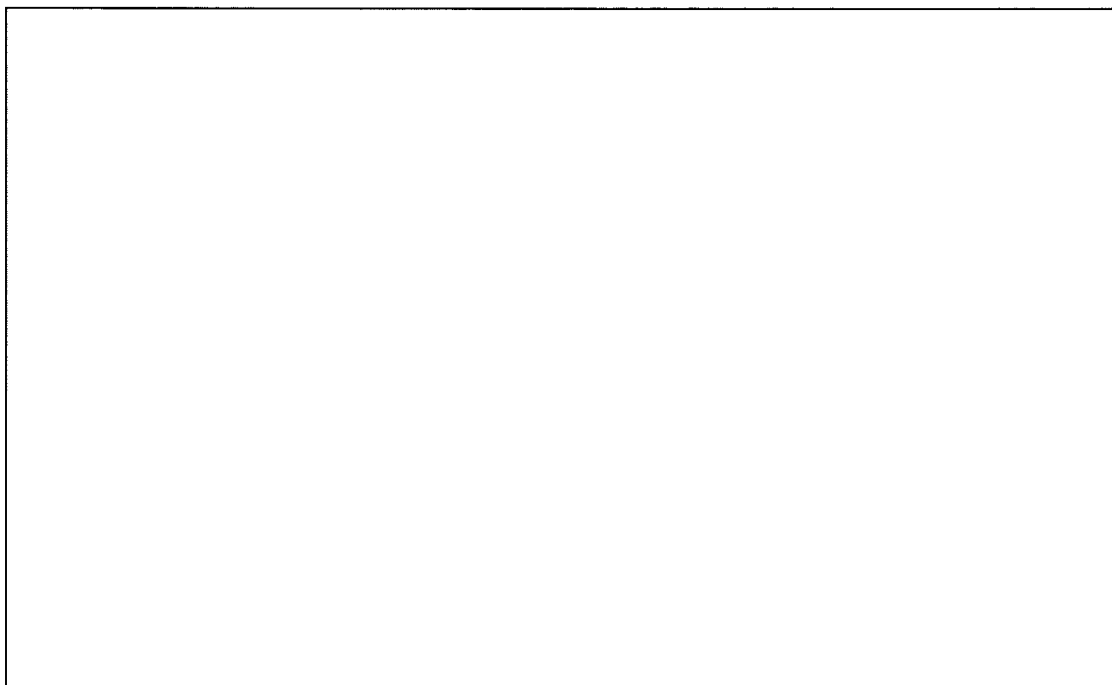
**2.6.5** The Authority invites industry views on need-based differentiated spectrum assignments in the 880-915 MHz (paired with 935-960 MHz).

**2.6.6** The Authority invites industry views on demand for IMT migration of 10 MHz, taking into consideration the new spectrum for IMT in 700 MHz and 800 MHz.

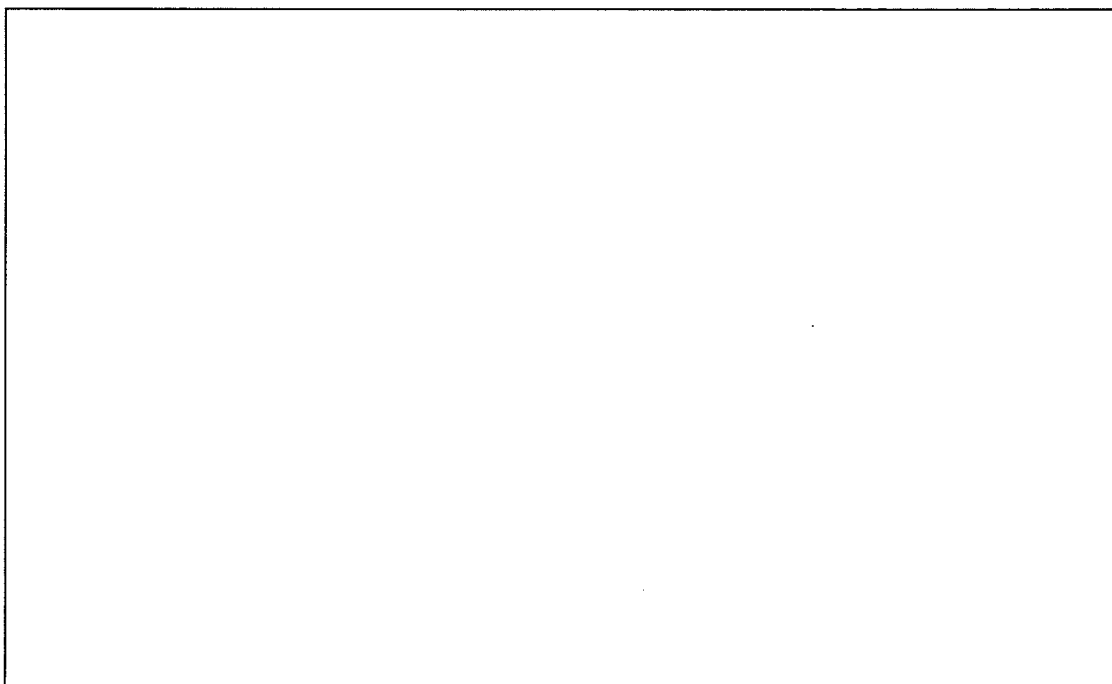


**IMT Roadmap****2.7 IMT2300 unpaired spectrum TDD**

**2.7.1** The Authority invites industry views on usage of 2380-2400 MHz.



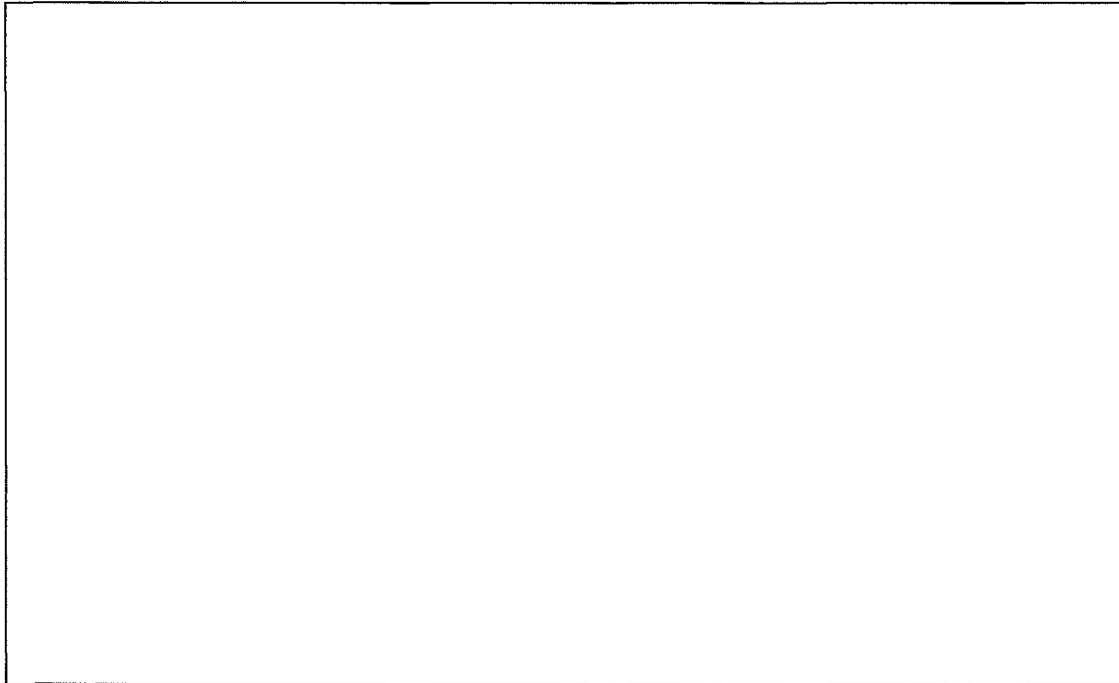
**2.7.2** The Authority invites industry views on usage of 2290-2300 MHz for IMT.



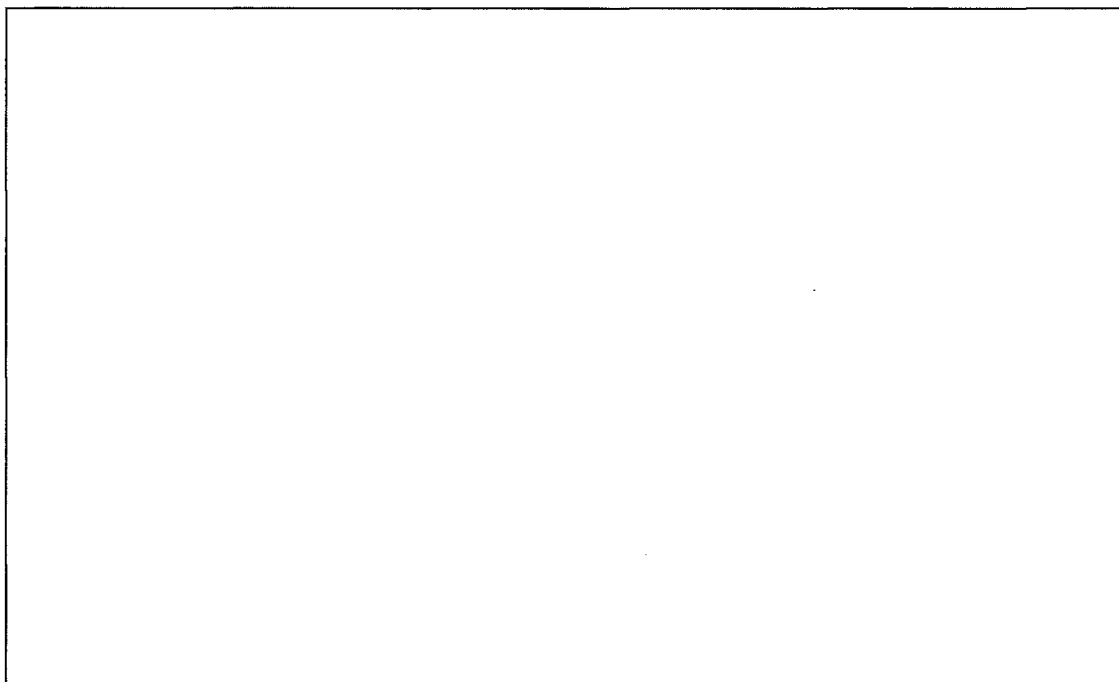
## IMT Roadmap

**2.8 IMT2600 paired FDD spectrum**

**2.8.1** The Authority invites industry views on demand in the IMT2600 FDD band.

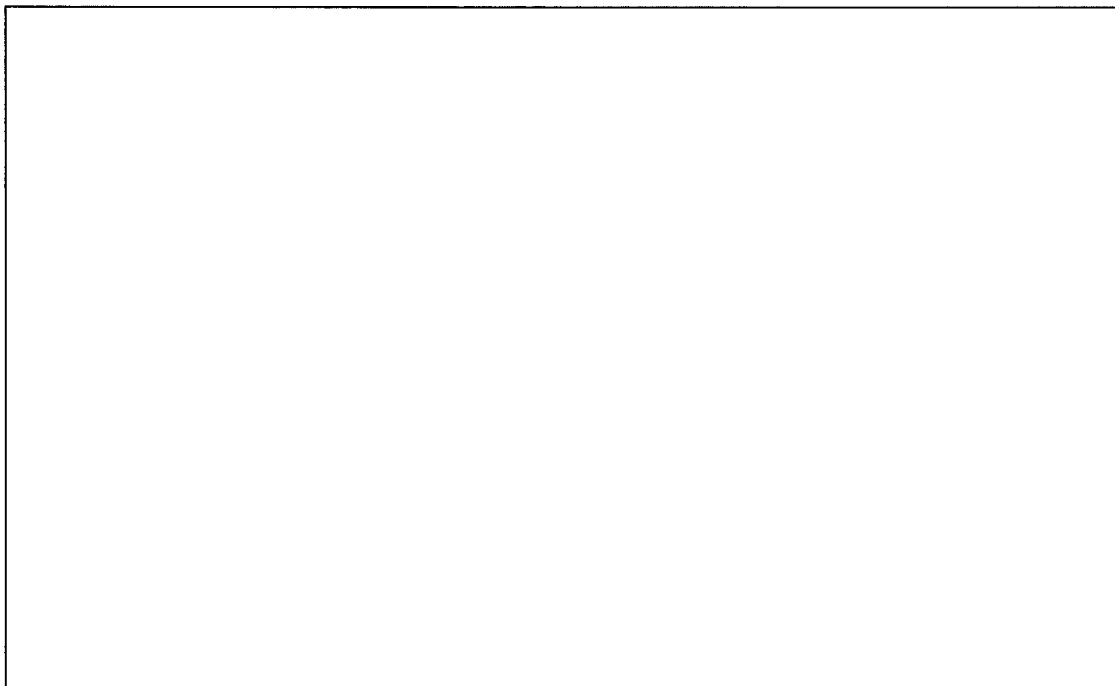


**2.8.2** The Authority invites industry views on the migration of the incumbent (WBS), into 2380-2400MHz.

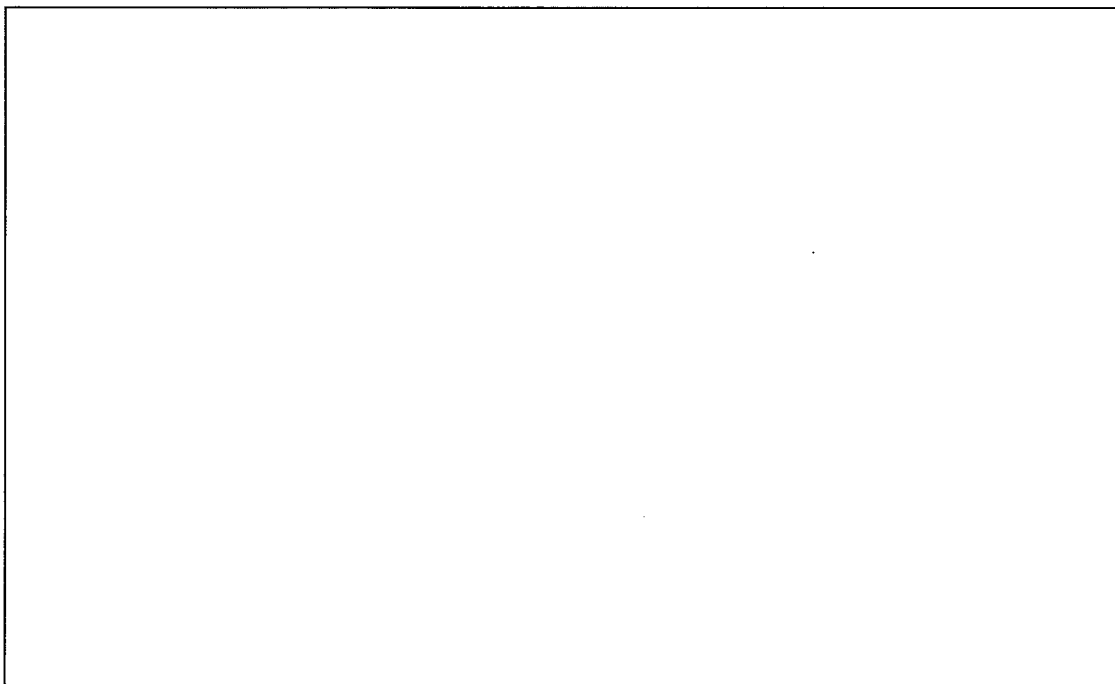


**IMT Roadmap**

- 2.8.3** The Authority invites industry views in-band migration of the incumbent (WBS), into IMT2600 unpaired spectrum.



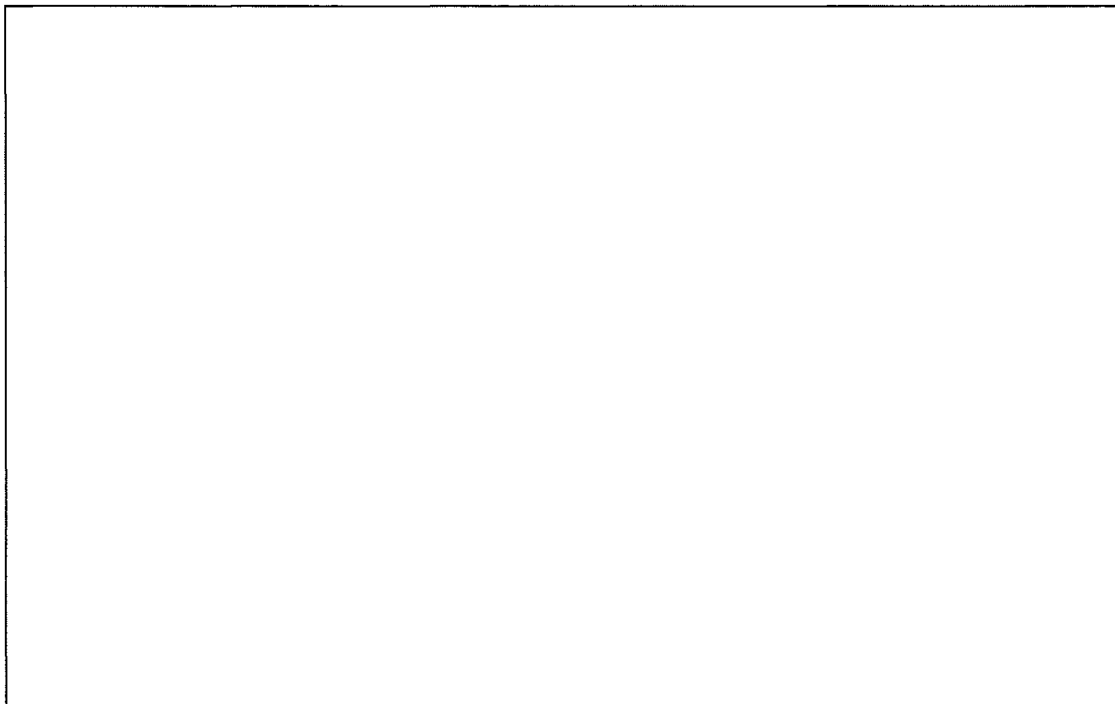
- 2.8.4** The Authority invites industry views on alternative destination bands for the incumbent (WBS).



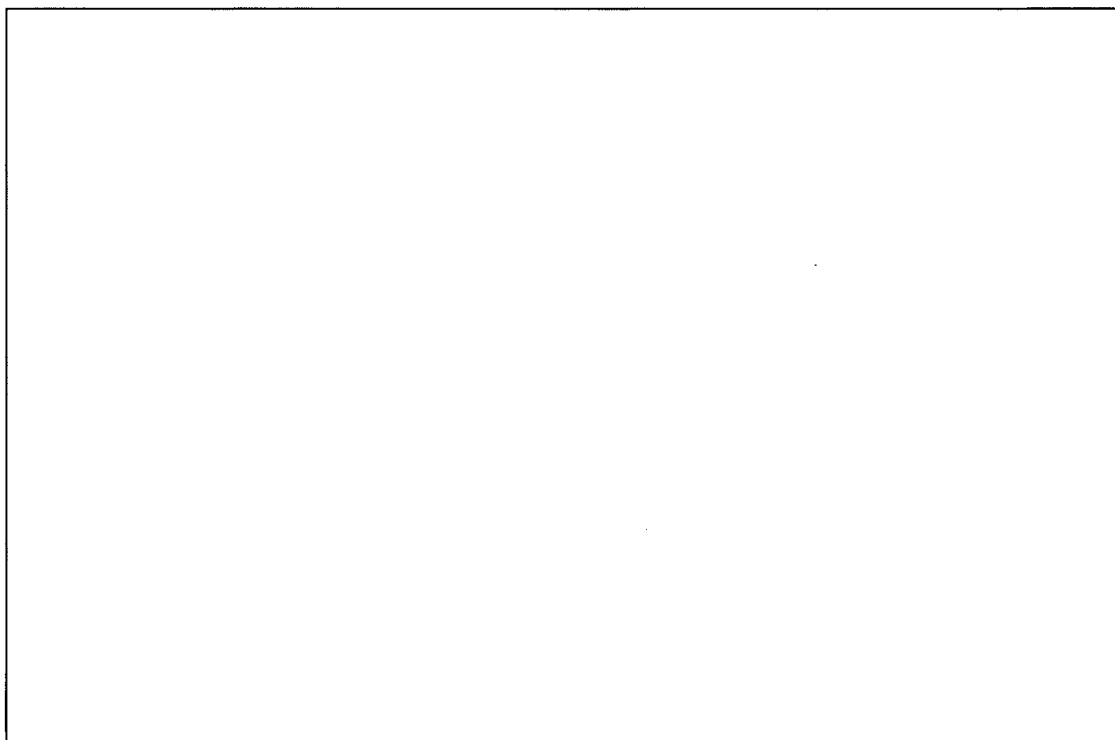
## IMT Roadmap

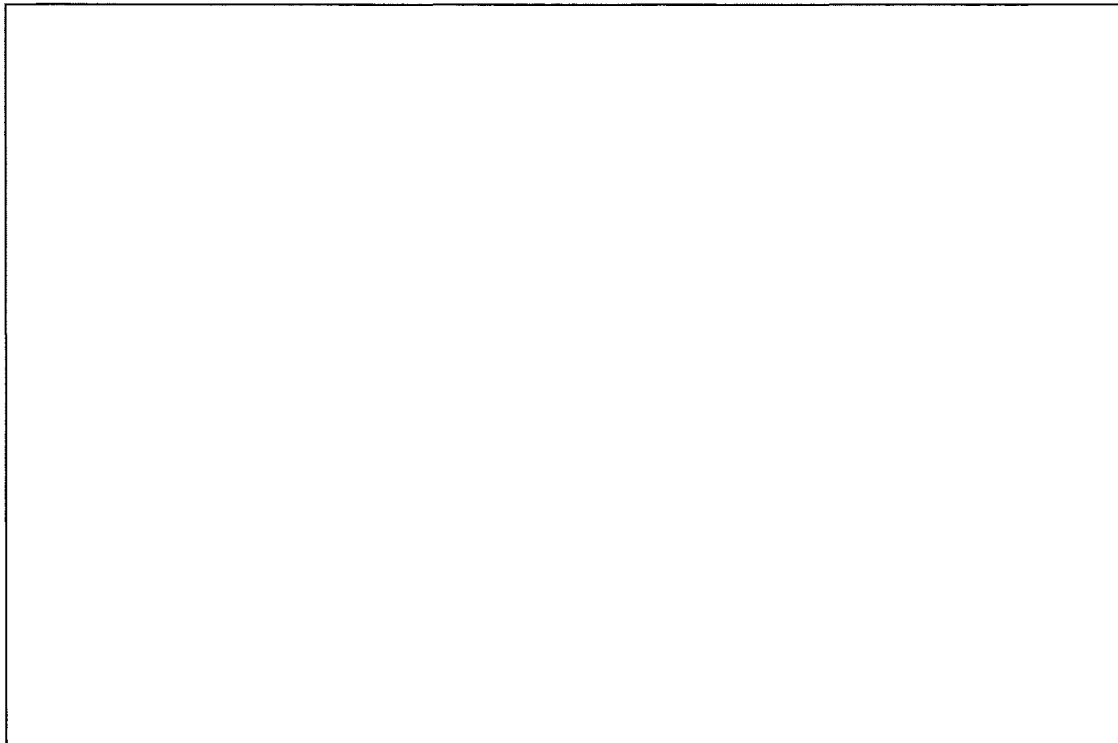
**2.9 IMT2600 unpaired TDD spectrum**

**2.9.1** The Authority invites industry views on demand in IMT2600 TDD band.

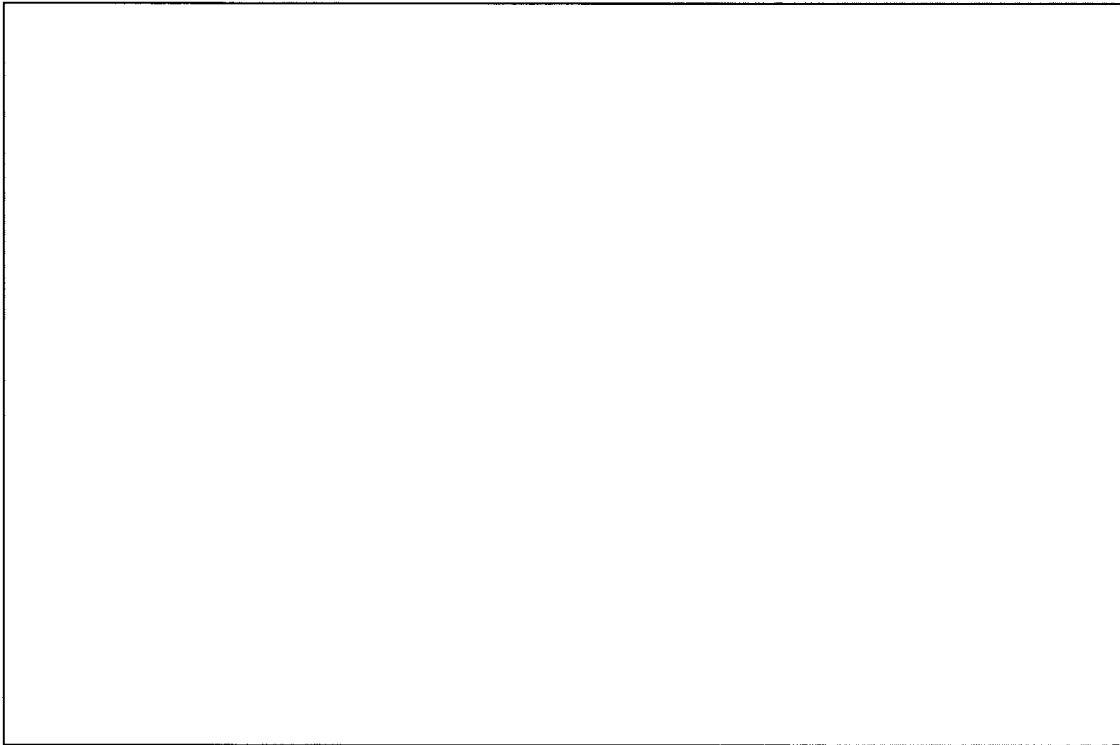
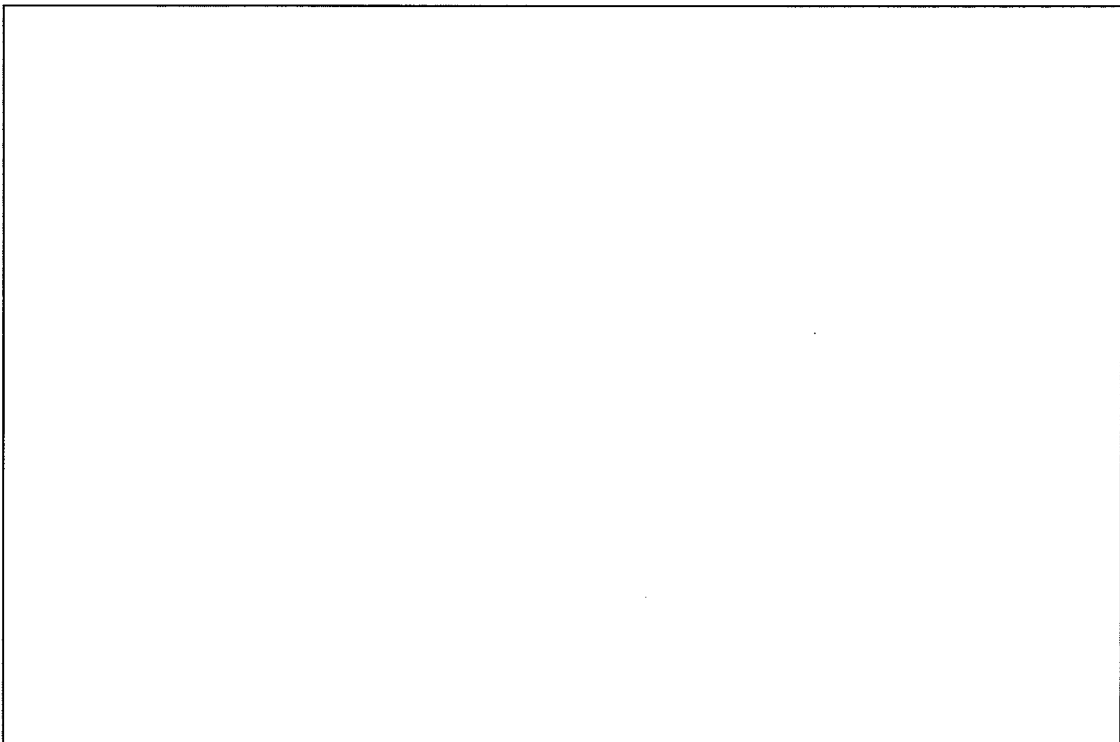
**2.10 IMT3500 unpaired TDD spectrum**

**2.10.1** The Authority invites industry views on migration out of 3400-3600 MHz from FDD usage to TDD.



**IMT Roadmap****2.10.2** The Authority invites industry views on status and time line.**2.10.3** The Authority invites industry views on interest in TDD downlink focused spectrum.

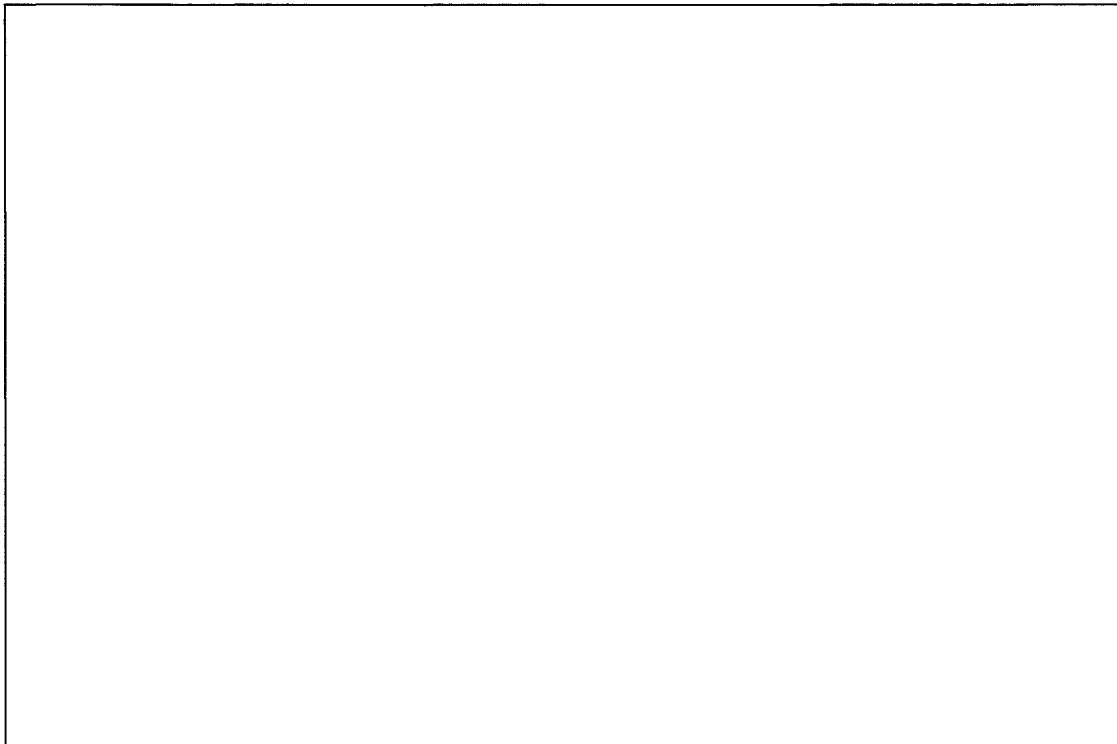
## IMT Roadmap

**2.10.4** The Authority invites industry views on interest in TDD uplink focused spectrum.**2.10.5** The Authority invites industry views on interest in the introduction of a Managed Spectrum Park.

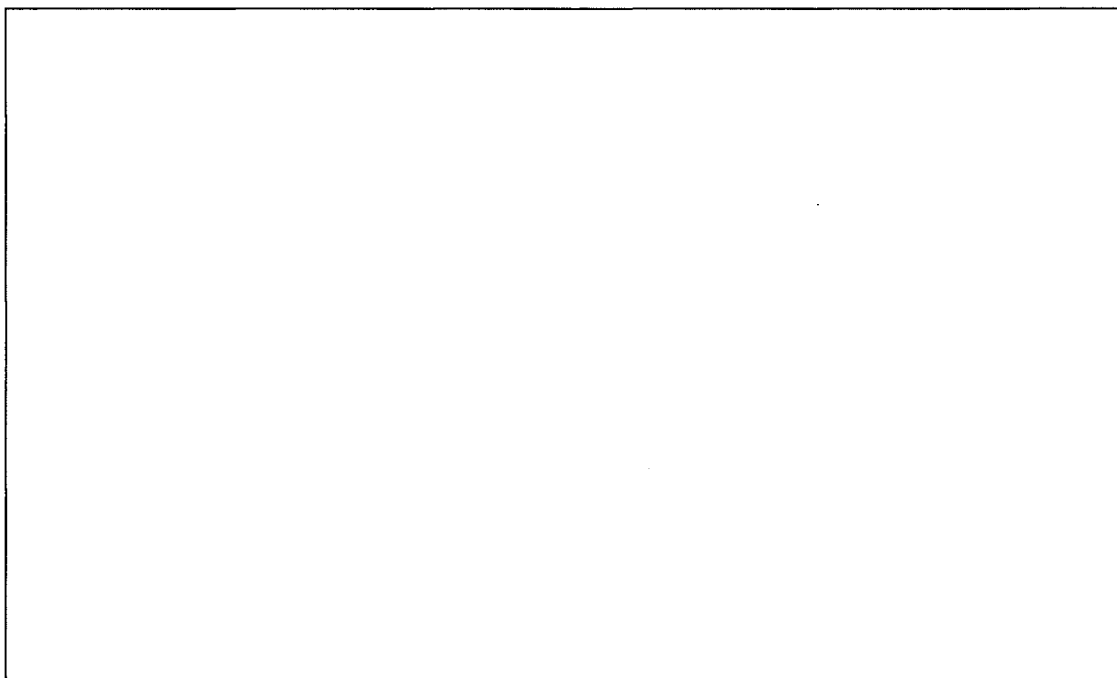
## IMT Roadmap

**2.11 Operators opinion on one TDD-operator instead of every operator having parts of TDD spectrum**

**2.11.1** The Authority invites industry views on the TDD spectrum bundling of IMT450, IMT750 and IMT2600 and assignment to one (wholesale) operator.



**2.11.2** The Authority invites industry views on the operator interest in individual IMT3500 assignments per operator or in one assignment to one (wholesale) operator.



## IMT Roadmap

**2.12 Universal service obligations for lower frequency bands (sub-1GHz)**

**2.12.1** The Authority invites industry views on universal service obligations for lower frequency bands (sub-1GHz).

**2.13 Capacity licence obligations for new and existing IMT bands**

**2.13.1** The Authority invites industry views on licence obligations for new and existing IMT bands, including infrastructure sharing.



## IMT Roadmap

**2.14 Additional input**

**2.14.1** The Authority requests any other inputs that are deemed necessary and appropriate which should be taken into consideration.

