



Invitation to Comment
on the
Draft IMT Roadmap

August 2014

1 Cover Sheet

Title

Mr

Given Name(s)

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Representing (self /organisation)

Passenger Rail Agency of South Africa (PRASA)

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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 J Edwards at HATFIELD

Date 7/10/2014

Please see comments on clauses 2.5.1
2.6.2
2.6.3

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.


PRASA agrees on the Proposal on allocation of the 876-880 // 921-925 MHz band exclusively for GSM-R.

PRASA agrees on the proposed removal of spectrum overlap, in particular, Neotel migration with 2 MHz guard band together with implementation of interference mitigation measures. A strict timeline for the migration is however necessary

PRASA appreciates that “The GSM-R 921-925 MHz (paired with 876-880 MHz) band will continue to be reserved for use by the Passenger Railway Authority of South Africa for the Metro Rail network” as foreseen in the reframing plan for 880-960 MHz, chapter B.2.3.2

2.6 GSM900 spectrum consolidation

2.6.1 The Authority invites industry views on spectrum consolidation.



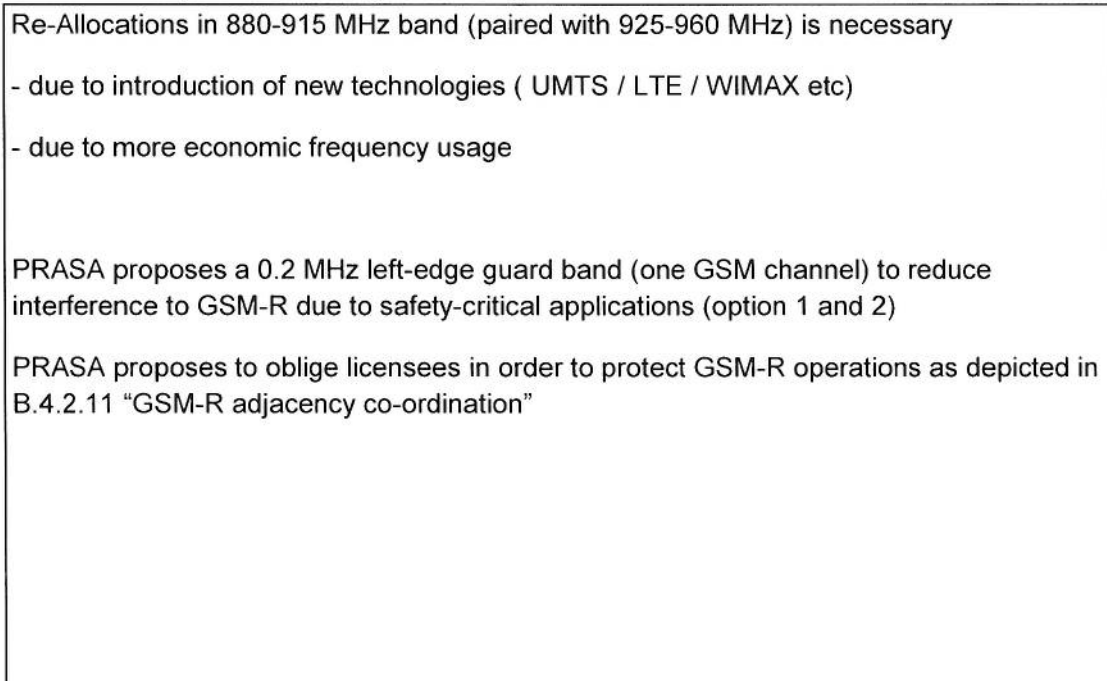
2.6.2 The Authority invites industry views on guard bands.

Re-Allocations in 880-915 MHz band (paired with 925-960 MHz) is necessary

- due to introduction of new technologies (UMTS / LTE / WIMAX etc)
- due to more economic frequency usage

PRASA proposes a 0.2 MHz left-edge guard band (one GSM channel) to reduce interference to GSM-R due to safety-critical applications (option 1 and 2)

PRASA proposes to oblige licensees in order to protect GSM-R operations as depicted in B.4.2.11 "GSM-R adjacency co-ordination"



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

Neotel migration should start shortly and should be done as fast as possible

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