

# Draft Frequency Regulation and Frequency Migration Plan

Public Hearings:  
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Meraka Institute



# Agenda

- Background
- Process Concerns
- Areas of Concern to the Science Community
- Impact on Current Services and Users
- Specific Details
- Conclusion



# Background

- ICASA proposes changes to South Africa's National Radio Frequency Plan
  - To Align the Plan with the ITU plan
  - To align the Plan with Regional and Africa plans
  - Taking cognisance of ITU-R (WRC) and Regional Conference resolutions
- Main concerns
  - Some of the proposals in the Plan do not achieve the above objectives
  - Proposals are not in line with resolutions of WRC 07 and WRC 12



# Process Concerns

- Chapter 3 Governing Principals
  - The SADC FAP is not fully in line with WRC 12 resolutions and Final Acts.
  - *Recommend that ITU-R regulations and WRC resolutions take precedence over the SADC FAP*
- Chapter 4 Development of the Plan
  - ICASA commits to consider all factors, including but not limited to
    - Global Trends, optimally utilised bands, WRC resolutions, Economic Impact



# Process Concerns

- Chapter 4 Development of the Plan
  - ICASA commits to consider all factors, including but not limited to
    - Global Trends, optimally utilised bands, WRC resolutions, Economic Impact
  - Previous Migration plans that never took place
  - WRC resolutions are tabled but are not incorporated into the plan
  - Some proposals contradict WRC resolutions



# Process Concerns

- *Recommendations*

- *The lack of allocations and services in a particular band should not be the motivation to introduce allocations that are contrary to international trends and ITU regulations and resolutions*
- *Further analysis of the services delivered in some bands should be undertaken before introducing migration plans affecting those bands or implementing new allocations.*





# Science Community Concerns

- South African National Antarctic Program depends entirely on satellite C-band services
- Migration plans affect allocations currently in use for Earth Observation Services (satellite and terrestrial) and Science Monitoring Programs
- The SKA project requires a re-examination of many current allocations in specific geographical areas
- Migration Plans should be supported by studies undertaken before the proposal are implemented



# Science Community Recommendations

- *A study undertaken, implementing the ITU-R resolutions regarding harmful interference in some bands be undertaken before finalisation of the proposals in the Plan where applicable.*
- *The economic impact of the proposals be evaluated before finalisation of the proposals in the Plan.*
- *A review of the lessons learnt of previous migration plans that did not materialise.*
- *The requirements of SKA regulations be taken into account before finalisation of the Plan*





# Impact on Current Services and Users

- Satellite Services (existing and future) need to be taken into account
- Economic Importance of Satellite Services to Sub Saharan Africa
- Impact on VSAT services should these be all migrated into Ku band
  - *A definition for VSAT services is required*
  - *An evaluation of the ultimate outcome of such a migration*
- Effective utilisation of other bands more suited to BFWA
  - *Suggest that there may be no need to implement some of the migration proposals and new allocations*



# Specific Details

- Bands more suited to BFWA
  - Evaluation of the Digital Dividend impact as well as the other bands already designated for BFWA
- Re-evaluation of the use of 3400 – 3600 MHz for BFWA
- Review of the proposal in 3600-4200 MHz
  - Suitability for BFWA in the African context taking into account population densities
- Review of the proposals affecting MSS in L- and S- band.



# Thank you!

Geoff Daniell

[gdaniell@csir.co.za](mailto:gdaniell@csir.co.za)

+27 12 841 2624

