

# **Draft Frequency Regulation and Frequency Migration Plan**

Public Hearings:

31 October 2012 – 2 November 2012

Global VSAT Forum



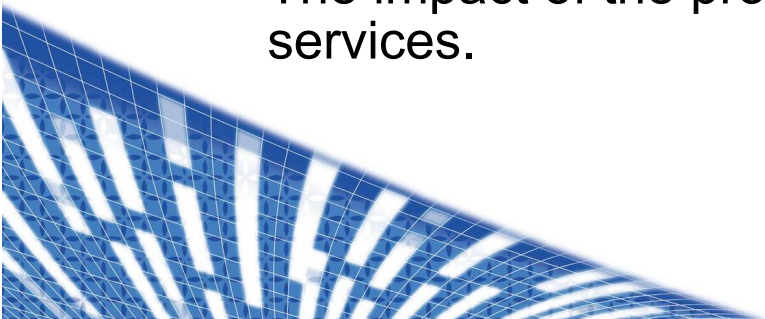
# Agenda

- Introduction
- The GVF
- Background
- GVF Members present at the Public hearings
- Areas of concern to the GVF
- The Way Forward
- Conclusion



# Introduction

- The Global VSAT Forums (GVF) welcomes the opportunity to comment on the above regulations and plan published by the Independent Communications Authority of South Africa (ICASA).
- GVF is supportive of ICASA's commitment to improving the efficient use of radio frequency spectrum in South Africa.
- Main areas of concern are:
  - The impact of proposed BFWA allocations on existing C-band services
  - The Proposed migration of all “VSAT Services” from C-band to Ku-band
  - The impact of the proposed MBFWA allocations on MSS satellite services.



# The GVF is.....

- GVF is the leading voice of the international VSAT community.
- It is composed of more than 200 members from every major region of the world and from every sector of the industry, including satellite operators, manufacturers, system integrators and other service providers.
- A complete list of GVF members is available at **[www.gvf.org/about-gvf/membersdirectory.html](http://www.gvf.org/about-gvf/membersdirectory.html)**.
- The GVF works with regulators around the world to design and promote regulatory structures that permit effective satellite services.
- A number of our members are present and indeed have made submissions to ICASA on the proposed migration plan.



# Areas of Concern to our Members

- The honouring in international treaties and agreements:
  - Appeal to the authority to review the proposed regulations and verify that the final plan proposed does not violate any international agreements that are binding on South Africa



# Areas of Concern to our Members

- The proposed allocations for BFWA in the 3600 – 3800 MHz band.
  - These proposals should be re-considered taking into account:
    - The impact on existing services
    - The economic impact on South Africa and the region
    - The reservations regarding the sharing of this band between FSS and BFWA services
    - Taking due cognisance of the WRC 07 & WRC 12 resolutions regarding the sharing of this band between FSS and BFWA



# Areas of Concern to our Members

- The proposed migration of “all” VSAT services from C-band to Ku-band.
  - VSAT means **V**ery **S**mall **A**perture **T**erminals
  - Normally means terminals using antennas less than about 3m in diameter
  - VSAT Services is not well defined:
    - One definition could be systems deployed as “last mile access systems” - very often but NOT always, more suited to Ku-band
    - The GVF believes that this excludes VSAT technologies used for the delivery of PTP links as an integral part of a larger service delivery
    - Examples are: Cellular Backhaul, TV Contribution and Distribution, Disaster Recovery, Peace Missions, Access to Vessels-At-Sea, Exploration Platforms, and links deployed in extreme remote areas such the Antarctica – C-band is almost exclusively used for this purpose because of the service quality offered by C-band

- The proposed new allocations for MBFWA in the MSS

# Areas of Concern to our Members

- The impact of the proposed MBFWA allocations on MSS satellite services.
  - MSS bands are allocated exclusive bands across the World in the ITU-R band plan
  - The movement of MSS terminals across borders are protected by international agreements
  - WRC studies have shown that sharing in these bands is not possible without causing harmful interference between systems.





# The Way Forward

- GVF is prepared to work with ICASA on all matters relevant to our members.
- The GVF is prepared to make available information, reports and policy papers relevant to these proceedings such as:
  - GVF Policy Paper on IMT Expansion
  - Extract from a report on Satellite usage in Africa
- Some of these documents may be covered by confidentiality agreements.
- We commit to attend and participate in any future workshops, and hearings regarding regulatory matters.



# Thank you

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