



AFRICA



ASIA

# Global Satellite Spectrum Initiative

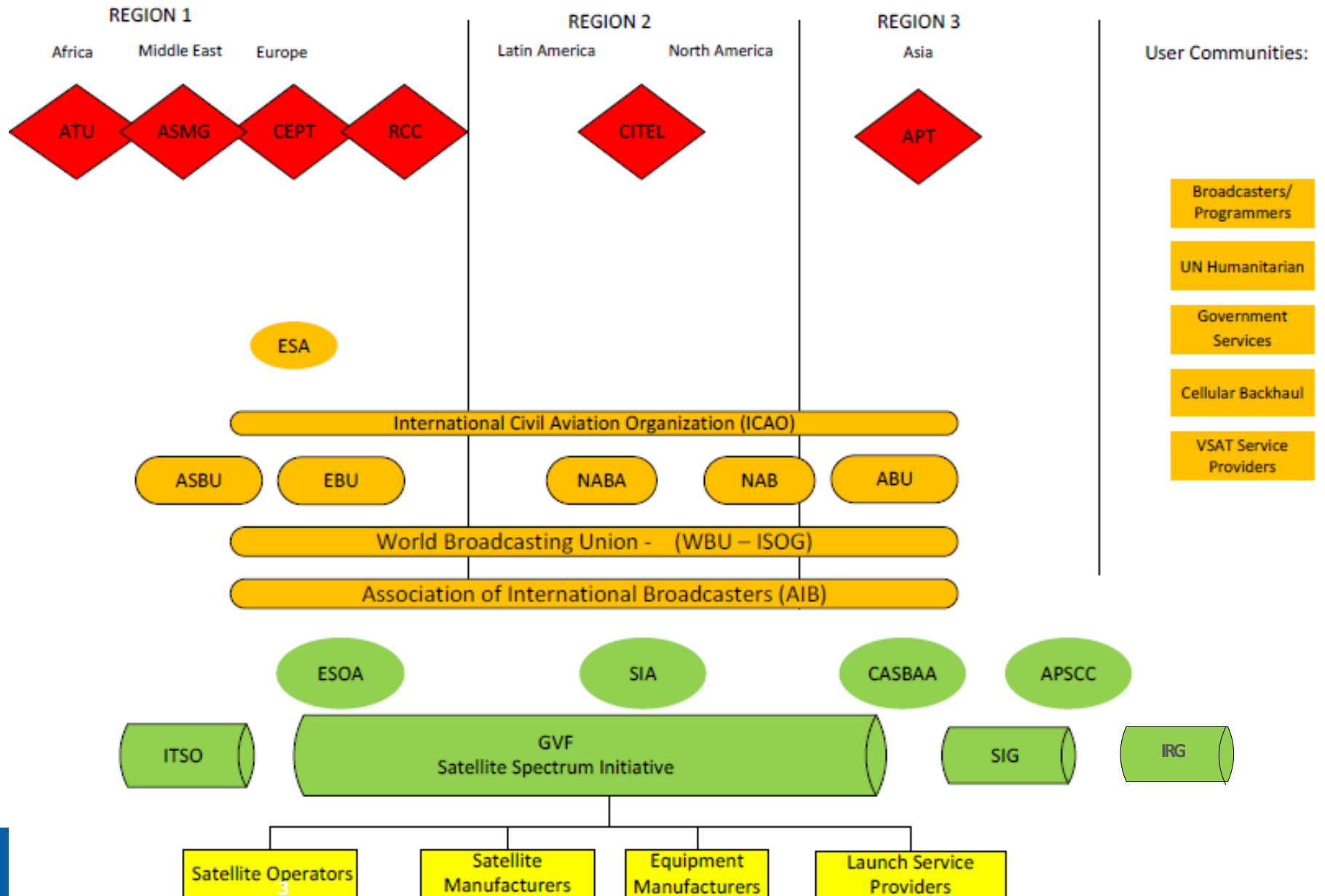
## Stage 2 - The Gloves Are Off

**Rick Abbasi**  
**Liaison**  
**Satellite Spectrum Initiative**

# A Globally Coordinated Effort

- **GVF Coordinating Global WRC-15 Campaign**
- **With Regional Partners' Leadership**
  - CASBAA & APSCC in Asia
  - ESOA in Europe
  - SIA, Sindisat & a Dozen Other National Associations
  - ITSO & SIG
  - GVF Gap-Filling Where Necessary

# Ecosystem of Industry Efforts Leading up to World Radiocommunications Conference 2015 ("WRC-15")



# Recent Developments

- **Africa:** 2<sup>nd</sup> WRC-15 Prep Meeting in Sudan “Let’s wait for further studies” – request for info on satellite usage
- **Asia:** PNG submitted supporting FSS in C-band, hopefully other Pacific Islands, ASEAN will join
- **Europe:** Preliminary position for IMT in 3400-3800 MHz. CEPT and Commission asking for information on satellite-industry usage of C-band
- **Latin America:** Brazil conducted compatibility study, NABA joined CITELE

## Recent JTG 4-5-6-7

- **Satellite Operators and EBU** separately questioning IMT spectrum demand estimates => liaised to WP 5D
  - **UMTS & GSMA** belittling importance of C-band and questioning attributes of the band as well as need for the satellite industry to retain this spectrum
- => **Satellite industry** is preparing a rebuttal

# Strategy: Multi-Pronged Approach

- **Showcase Importance of Satellite Services**
  - Enlisting support from user groups/customers (All)
  - Raising awareness of various applications (SSPI)
- **Explain difficulty/impossibility of sharing (All)**
- **Provide information on extensive FSS spectrum use**
  - Data on transponder and earth station deployment (CASBAA++)
- **Rebuttal of IMT belittling C-band/FSS**
  - Preparing document addressing each point (SSI)
- **Challenge IMT assumption of spectrum needs**
  - Leveraging Communication-Sector Analysis (ESOA++)

# Support From Allied Interests

## Sector Examples:

- Humanitarian
- Civil Aviation
- Military
- Broadcasting
- Inter-Governmental
- Wireless Backhaul

## Specific Groups:

- NetHope (36 NGOs)
- ICAO, ASECNA, etc.
- DoD, NATO, etc.
- WBU-ISOG
- United Nations
- SCF, WMF?

# Broadcasters & Programmers

- **WBU-ISOG, NABA, CASBAA, IRG, GVF:** Cooperation
- **GVF** jointly funded NABA study
- **NABA** joined CITELE and will support C-band
- **EBU** submitted document to JTG
- **ASBU, IRG & GVF:** 'Action Plan' partners

## Going Forward:

- **Reach** broadcast communities in sub-Saharan Africa
- **Leverage** lobbying power of programmers & broadcasters locally



# International Civil Aviation Organization

- **Cooperation** with ICAO's regional organization in West Africa (ASECNA) and Latin America
- **Presentations** showcasing dependence on C-band satellite services
- **However:** IMT argues that ICAO only needs 10 MHz

## Going Forward:

- **Analysis of ICAO network spectrum usage – 60 MHz in West Africa alone**
- **Expand ICAO Cooperation to more regions**
- **Joint workshop for African region in Senegal**

# Tracking Developments, Focusing Efforts

R	Region	2nd or Sub-Region	Country	2007 Footnc	3400-360	3600-370	3700-380	3800-420	5925-642	6425-670	Doc/Ref
3	APT		Afghanistan								
1	CEPT		Albania	yes							Commission Decision on the harmonization of the 3400-3800 Mhz band
1	ATU	ASMG	Algeria	yes							
1	CEPT		Andorra	yes							Commission Decision on the harmonization of the 3400-3800 Mhz band
1	ATU	SADC	Angola								EACO input to 2nd African prep meeting
2	CITEL		Argentina	yes							
1	RCC		Armenia								IRWSP-6E, RCC contribution 14 to 1st ITU Inter-regional Workshop on WRC-15
3	APT	PITA	Australia								Lex Vip.
1	CEPT		Austria	yes							Commission Decision on the harmonization of the 3400-3800 Mhz band
1	CEPT	RCC	Azerbaijan	yes							IRWSP-6E, RCC contribution 14 to 1st ITU Inter-regional Workshop on WRC-15
1	ASMG	GCC	Bahrain	yes							Discussions at ASMG meeting

# Ongoing Events

- Citel PCCII Meeting in Colombia: March 17-21
- CEPT CPG in Latvia: March 25-28
- WTDC in Dubai: March 30 – April 10
- ITU Satellite Workshop in Cyprus: April 14-16
- 4<sup>th</sup> RCC WG venue tbd, April
- SatCom Africa in SA, May 20-21
- ITU Global Symposium for Regulators in Bahrain: June 3-5
- Arab States WRC-15 Prep Meeting, venue tbd, Q2
- CASBAA Sat Forum in June
- ITU JTG 4-5-6-7, venue tbd, July 21-31

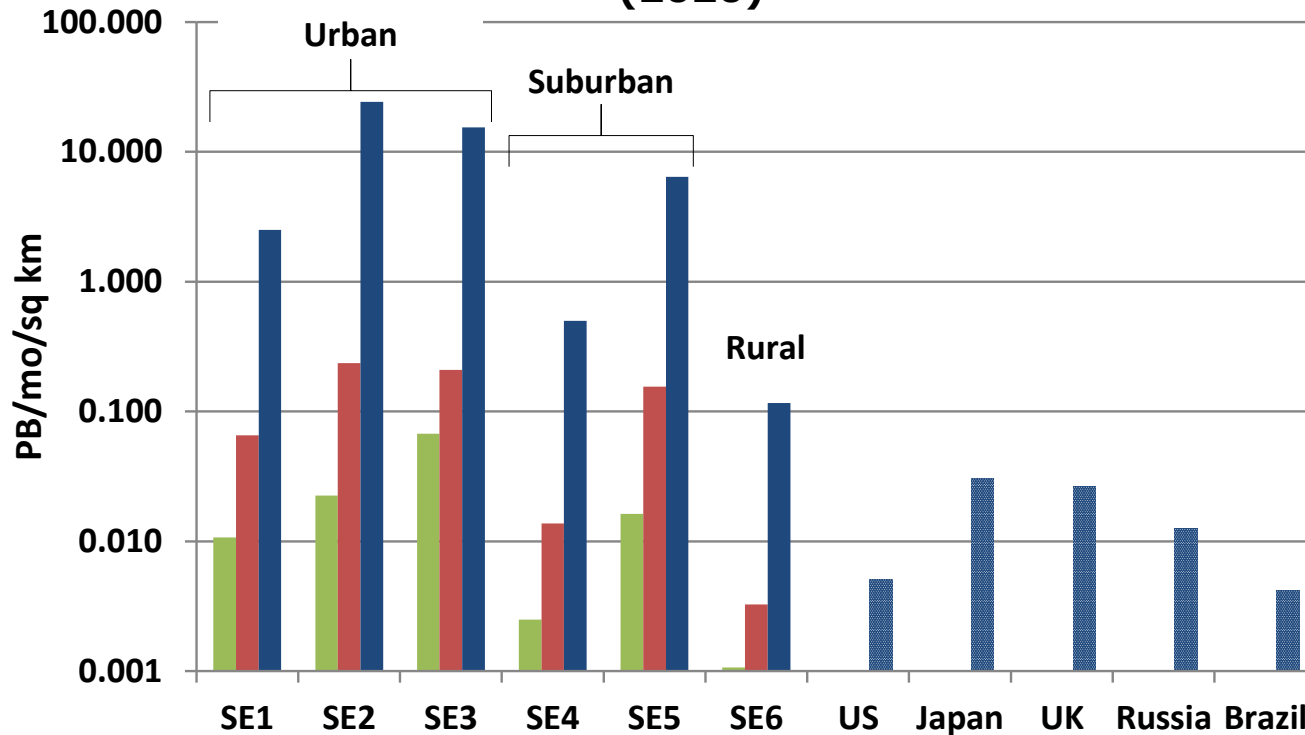
# Tactical & Strategic Activities

- **Earth Station Registrations**
- **Advocacy in Each Region (e.g. consultant in Africa)**
- **Testing**
- **Database & Spreadsheet**
- **Research & Reports**
- **Public Relations**
- **Travel, Receptions, Tours, Translation, Etc.**

# Traffic Density Comparison

- Speculator demand density assumptions exceed the UMTS Forum projections of urban traffic per sq km by two or three orders of magnitude

**Speculator traffic assumption per sq km vs UMTS Forum forecast per urban sq km (2020)**



# Thank You

## For More Information...

[www.satellite-spectrum-initiative.com](http://www.satellite-spectrum-initiative.com)

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