

**ALLOCATION CRITERIA OF FREQUENCIES WITHIN THE 3400 - 3600 MHz BAND  
FOR BROADBAND WIRELESS ACCESS**

1. The 3400 - 3600 MHz (3.5 GHz) band shall be used for the deployment of Fixed Broadband Wireless Access Systems (FBWA), including Nomadic BWA (NBWA).
2. The deployment of Earth stations/VSATs in the 3.5 GHz band shall **not** be allowed and deployment of the same minimized in the 3600 - 3700 MHz band.
3. Priority will be given to public operators/service providers and potential operators/service providers for the allocation of frequency blocks and assignment of channels.
4. A technology neutral approach has been adopted with regards to licensing. As a result, the licensing mechanism is based on services rendered.
5. Any entity willing to deploy a network in the 3.5 GHz band must first submit a detailed project memorandum to the Seychelles Investment Bureau (SIB)<sup>1</sup>, which should include but not limited to:
  - Services to be deployed
  - Amount of spectrum required
  - The technological standard to be deployed (e.g. WiMAX<sup>2</sup>)
  - Planned geographic coverage (service area) and detailed radio network plan
  - System architecture (cellular, Point-to-Point (P-P), Point-to-Multipoint (P-MP))
  - Power classes and EIRP specifications
  - Modulation technique, Duplexing method, Multiplexing type, Access technology
  - Projected time-frame within which the deployment of the network would take place
  - Tariff structure
6. It is also required that any entity that has been allocated spectrum from the 3.5 GHz band shall provide on a quarterly basis their radio network plan, including but not limited to the tower locations, radio parameters, coverage diagram etc. This will enable the Ministry to determine the status of the operator's network deployment based on their deployment time-frame initially submitted.
7. The maximum Point-to-Multi-Point (P-MP) Equivalent Isotropic Radiated Power (EIRP) limit shall be 15 Watts. Applications from operators wishing to implement Point-to-Point (P-P) links will be treated on a case-by-case basis.
8. The following Channelization Plan is applicable for this band. This plan which is in compliance with ITU-R<sup>3</sup> Rec. F.1488 consists of allocation blocks formed from the aggregation of 0.25 MHz frequency slots. The edge frequencies of each sub-band are as defined below:

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<sup>1</sup> [www.sib.sc](http://www.sib.sc)

<sup>2</sup> Worldwide Interoperability for Microwave Access

<sup>3</sup> International Telecommunication Union - Radiocommunication Unit (ITU-R)

Lower blocks (MHz)	$0.25 N + 3\,400$ to $0.25 (N + k) + 3\,400$
Upper blocks (MHz)	$0.25 (N + 400) + 3\,400$ to $0.25 (N + k + 400) + 3\,400$
$1 \leq k \leq 400, 0 \leq N \leq 399, k + N \leq 400$	

9. Spectrum would be allocated in such a manner that no entity be assigned the same portion of spectrum.
10. It is the responsibility of assignees to ensure co-existence with each other.
11. The points above maybe amended and new points added to this document as deem required by the Ministry.