

## QUESTIONNAIRE ON SPECTRUM REQUIREMENTS FOR TERRESTRIAL TELEVISION BROADCASTING IN CONNECTION WITH WRC-15 AGENDA ITEM 1.2

This questionnaire can be completed online at the following web page:

<https://extranet.itu.int/rsg-meetings/sg6/wp6a/Lists/DTTB%20Questionnaire/overview.aspx>

Login as: **Username:** (your TIES username)@ties.itu.int  
**Password:** (your TIES password)

NOTE - Electronic versions of Annexes 1, 2 & 2 can be found under QUESTIONNAIRE in the WP 6A Share Folder on the WP 6A Sharepoint site.

**Name of the Administration/Sector Member: Seychelles**

**For sector members please indicate the geographical area over which you operate:  
Region 1**

**Contact person: Mr. Paul Pierre**

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**Telephone number: + 248**

- 1
- a) What standards have you adopted for digital terrestrial television broadcasting?
  - b) Have you started introduction of digital terrestrial television services?
  - c) If yes, please provide further detail on the number of multiplexes in use, their technical specifications, the percentage of geographic area or population they are intended to cover and the total spectrum use to inform WP 6A.

A proposed format for detailed responses is provided in Annex 1.

- Reply:**
- a) **DVB-T2**
  - b) **No. However, trial testing of one DVB-T2 transmitter by the public broadcaster, Seychelles Broadcasting Corporation (SBC) commenced in June 2011.**
  - c) **Not applicable**

- 2
- a) Have you commenced analogue television switch-off?
  - b) If you have any such plans, when do you expect to have completed the analogue switch-off process?

- Reply:**
- a) **No**
  - b) **17<sup>th</sup> June 2015**

- 3
- a) What is the percentage of viewer uptake of terrestrial television in your country, including those whose service provider uses terrestrial broadcast re-transmission (e.g. in cable networks)?

- b) If possible, please also provide details of the number or proportion of users who receive television primarily by terrestrial means.

**Reply: a) Analogue: 80 % of the population.**

**Digital cable networks: Approx. 48 % of households**

**b) Refer to point a) above.**

- 4 a) Indicate how many analogue television transmitters use channels in the frequency sub-band 694-790 MHz (as indicated in Resolution **232 (WRC-12)**).
- b) How many are in the remaining part of the UHF band.

**Reply: a) None**

**b) Only channels 21 (470 – 478 MHz), 24 (494-502 MHz), 26 (510MHz - 518MHz) and 29 (534 -542 MHz) in the UHF band, are currently being used for analogue television.**

- 5 a) What frequencies/channels are currently used or intended to be used by digital terrestrial television broadcasting in your country? Please distinguish between those in use and those intended to be used.
- b) If allotments/SFNs are in use, a sketch map of frequency allocations could be included, with an accompanying table of allocations, as shown in Annex 2. Otherwise, it might be possible to show main transmitters and channels, grouped in layers, in a table.
- c) Please indicate how many digital television assignments/allotments use channels in the frequency sub-band 694-790 MHz (as indicated in Resolution **232 (WRC-12)**), and
- d) How many are in the remaining part of the UHF band.

**Reply: a) We intend to use frequencies 470-790 MHz (Channels 21-60) for digital terrestrial television. However, channel 35 (582 – 590 MHz) is currently in use for testing purposes by SBC.**

**b) It is yet to be determined whether SFN or MFN will be used in Seychelles. Note that the current analogue TV network relies on off-air pickup to bring programmes at the transmitter sites, and due to the lack of alternative communication infrastructure to carry the necessary programmes to all the transmitter sites, off-air pickup is most feasible option at this stage.**

**c) Refer to point a) above.**

**d) Refer to point a) above.**

- 6 a) Are those frequency bands also shared with other primary services?
- b) If yes, please give details of those systems and their spectrum use.

**Reply: a) Yes, with radio astronomy**

**b) Note that we have no such system operating in this band at present.**

- 7
- a) Are those frequency bands also shared with secondary services such as PMSE (Programme Making and Special Events), radio astronomy or wind-profile radar?
  - b) If yes, please give details of those systems and their spectrum use.

**Reply: a) No**

**b) Not applicable**

- 8
- a) Do you foresee the adoption or expansion of television services broadcast using second-generation systems such as DVB-T2?
  - b) If yes, please give indicative details of the planned transition, including any simulcast period.

**Reply: a) Refer to answer in a) of question “1” above.**

**b) Refer to point a) above.**

- 9
- a) Do you foresee a requirement for new and enhanced services, including HD and 3D television, on the terrestrial television platform?
  - b) If yes, please give indicative details of the number and nature of services planned, and if known, the expected timeframe for their introduction.

**Reply: a) Not at present.**

**b) Not applicable**

- 10
- a) Are there plans in your country to launch more multiplexes in the future?
  - b) If yes, how many more and when? Please also indicate the expected timeframe for their introduction.

**Reply: a) No plans have been developed yet; as all efforts have been directed towards the replacement of the existing analogue system.**

- 11
- a) What is the amount of spectrum you foresee that will be required for terrestrial television broadcasting, if plans in Questions 8, 9 and 10 are to be supported, and services identified in Questions 6 and 7 are to be taken into account? Please indicate the modes of transmission that will be used, and timeframes. If appropriate, a suggested form to express these requirements is shown in Annex 3.

**Reply: Refer to answers of question “5” above. Please note that Seychelles is still in the initial planning stage and the mode of transmission and timeframes is yet to be determined**