



Spectrum Newsletter - July 2015

FAQs2 - Frequently Asked Questions 2

Version 3.1 | July 2015

Spectrum Management - AF - Telecom



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1 | INTRODUCTION AND GOALS

The aim of this document is to inform users of new issues emerging from our radiofrequency spectrum community.

Besides reporting new information, the objective is also to update previously published information in spectrum newsletters.

2 | QUESTIONS

a. Why not define spectrum availability for use in zoned licences on the Spectrum Requesting Forms? For example, “Venues Cluster” “All Venues”, “Citywide”?

Unfortunately, spectrum in Rio is very busy and congested, which is why Rio 2016 opted to list on the form some specific main competition and non-competition venues and vicinities (limit 100 metres from the security perimeter). On the other hand, spectrum is accepting requests for common domains like the Olympic Park, Riocentro, Deodoro, Maracanã and X-Park.

b. How do we apply for licences for non-competition, training and/or support venues not listed on the spectrum request drop-down list or any other non-venues in Brazil, where users intend to operate?

When requesting spectrum for non-competition, training and/or support Rio 2016 official venues not listed on the spectrum request, drop-down list users should apply for those listed venues that are a maximum of 500 metres away. If distances from the closest listed venues are greater than 500 metres, users must communicate their needs to Rio 2016 through spectrumoperations@rio2016.com, requesting a non-standard application. For frequency applications targeting non-venue locations in Brazil, users must apply for licences on a regular spectrum temporary use request, in this case with the regular fees for temporary spectrum use. Rio 2016 can help users to expedite these requests through spectrum@rio2016.com, advising external consultancy. For additional information about spectrum use outside Rio 2016 venues, users should visit the Anatel hot site <http://grandeseventos.anatel.gov.br>.

c. Can we consult a table/map for all locations in the pull-down menu?

You can find limited information on the Rio 2016 website. You can also ask for the venues list with coordinates to your Rio 2016 coordinating Functional Areas.

d. There are no notes/comments fields on the Spectrum Portal and Spreadsheet Forms - where to place notes and comments on specific requirements?

Although there are no fields for comments and notes, you will be able to place them or make suggestions about your specific requirements through spectrumoperations@rio2016.com.

e. How do we request links that go from inside the fence to outside the fence? For example, where the transmitter is inside a venue and the receiver outside, or vice versa?

For microwave links, type B application forms shall be considered. If points A and/or B are not listed, please contact spectrumoperations@rio2016.com for details and guidance. For any other type of links, consider the venue inside the fence for application purposes.

f. How would we deal with the devices we want to test, for example, in the IBC or MPC before sending it out to a venue/park/etc.? Do we need to apply for all of these devices to operate in the IBC or MPC so we can get stickers for this, despite the fact we may never operate in these locations?

For entering radio communication equipment in the IBC, MPC, or any other listed venue, you will have to first license and then test and tag. We understand that broadcasters and media users (mostly) will be carrying high volumes of devices everywhere, thus requiring a location to store them when not in use. Therefore, for temporary storage only purposes inside the IBC and MPC premises, Anatel sought to simplify procedures providing stickers for “storage only” in those venues. These same facilities will not be available for other venues.

g. Are 2.4GHz and 5GHz Wi-Fi available equally or will we be pushed to certain frequencies at certain venues?

Rio 2016 has published a Spectrum Newsletter with the specifications and guidance for private Wi-Fi usage inside Rio 2016 venues (05/2015); please refer to it at www.rio2016.com/en/transparency/documents.

h. How are stickers for equipment going to work if the equipment is physically small and will be with a crew going to many venues?

If the equipment is supposed to move between different venues, it should be labelled accordingly for use in said venues. Please find relevant information on the official Rio 2016 documents at www.rio2016.com/en/transparency/documents.

i. Does equipment that is only going to be used for “receive only” need to be licensed and stickered?

If there is a transmit functionality embedded in the equipment, it must be licensed. If the equipment is a receive-only device, it will not be licensed. However, for entering the venues, it must be presented on the spectrum desk to be tagged with an “only to receive” sticker.

j. If the equipment is licensed for a frequency but can operate on many more, then presumably this equipment will still pass a testing and tagging programme?

Anatel will verify the licence for that specific authorised frequency. The security teams under Rio 2016’s coordination will immediately turn off equipment operating in the venue, outside of the licensed frequency.

k. Radio frequency spectrum will be monitored during major test events and Games time?

Yes, Anatel will install sensors around the main venues and common domains to monitor the radio frequency spectrum and find the direction of possible non-licensed interfering devices.

l. Where are the spectrum desks for test and tagging equipment?

Spectrum desks (TEC 300) are located in the following venues:

- International Broadcast Centre (IBC)
- Main Press Centre (MPC)
- Olympic and Paralympic Village (OLV)
- Pontal (PON)
- Riocentro Common Domain (RID)
- Fort Copacabana (FTC)
- Lagoa Stadium (LAG)
- Marina da Glória (GLO)
- Olympic Stadium (OLS)
- Maracanã (MRC)
- Deodoro Common Domain (DCD)
- Mané Garrincha Stadium (MGA) - Brasília
- Mineirão (MIN) - Belo Horizonte
- Fonte Nova Arena (FNA) - Salvador
- Itaquera Arena (SPA) - São Paulo
- Amazônia Arena (AMZ) - Manaus



m. When does it begin and what are the procedures for test and tagging (T&T) scheduling with Anatel going to be?

Anatel and Rio 2016 will soon publish a Spectrum Newsletter with the procedures for scheduling T&T and other related information. For those major test events coming soon and in which Anatel will require T&T, scheduling can be done in advance with spectrum@rio2016.com.

n. In the case of test event spectrum requests, how soon should they be submitted for Rio 2016 in order to have authorisations in time for the event?

The spreadsheet form with the spectrum orders must be submitted for spectrumoperations@rio2016.com at least 60 days before the event.

7.2015

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