

Enviado: miércoles, 28 de agosto 5:45 p. m.  
Asunto: FW: FW:

Good afternoon Franklin Here is the reply from our Strathclyde University expert. I also expect to have a reply from Ofcom in the next few days. Best wishes Martin -----Original Message----- From: Greig Paul Sent: 28 August 2019 15:12 To: Martin Johnston (Sensitive) Subject: Re: FW: Spectrum and lunch Hi Martin, To give a quick view on it: From a technical standpoint, the main thing that immediately jumped out to me was the allocation of a paired 2.5 MHz slot in the 1900 MHz band. Due to how LTE (4G) works, that's not a hugely efficient choice. This might perform poorly at auction or result in inefficient use of spectrum. Noticed mention of some aspects of the mechanism of the auction being confidential, and only 5 authorised persons from each organisation being able to attend this. This is perhaps one of the areas of possible improvement - by making the process, procedures and rules fully public, they are more likely to attract greater interest, and be able to get more bids, higher prices, and a better outcome. Especially when looking at pushing for rural coverage, new market entrants, perhaps from outside, could be beneficial. I think it would be worthwhile looking at the part on coverage obligation in more detail, as it's a bit unclear whether they are referring to the auction being done on a localised/regionalised basis (and thus "the block" would be an area of land), or if this is referring to the blocks of spectrum allocated. This is an area mobile operators will want a lot of clarity, so they can model their costs for providing coverage to meet the obligation, including a lot of detail on how it will be measured, by whose measurement, whether by prediction or site verification etc. They can then calculate their risks of that into their coverage plan. Given the importance the government is placing on getting connectivity into rural areas, I think the parts around coverage are going to be very important here, as well as anything that can affect/hinder parties entering the auction - it's in the Colombian government's interest to get as many serious bidders as possible interested, to try to get the best outcomes. The nature of coverage obligations/stipulations will be key to that, particularly in a country with lots of poorer rural areas. Best regards, Greig -- -----

----- Dr Greig Paul Lead Security Engineer Department of Electronic & Electrical Engineering t: + 44 141 548 4055 e: [greig.paul@strath.ac.uk](mailto:greig.paul@strath.ac.uk) The University of Strathclyde is a charitable body, registered in Scotland, number SC015263 ---

----- This email is intended for the addressee(s) only. All messages sent and received by the Foreign & Commonwealth Office may be monitored in line with relevant UK legislation available at <https://www.gov.uk/government/organisations/foreign-commonwealth-office/about/personal-information-charter>