

## BASIC DETAILS

Consultation title: [Spectrum planning for the London 2012 Olympic Games and Paralympic Games](#)

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Representing (self or organisation/s): [Olympic Delivery Authority \(ODA\)](#)

Address (if not received by email):

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☐

Name G M S SHIPLEY



Signed (if hard copy)

## Discussion Questions

### Approach and Assumptions

*Question 1. Do you have any comments on our approach?*

ODA acknowledges and appreciates the systematic manner in which Ofcom has approached the planning of radio spectrum for London 2012.

Given its responsibilities for the provision of infrastructure and the preparation of venues, ODA has an interest in understanding the potential requirements for spectrum during the period up to and during the Games, even if meeting the latter requirements will be LOCOG's responsibility.

The handover of Olympic facilities from ODA to LOCOG as they are completed – and back again after the Games - needs to operate seamlessly. It is likely, therefore, that some spectrum required for Construction will in practice continue in use during the Games.

*Question 2. Do you have any comments on our assumptions?*

Ref 3.15.13 – During Games, PMR services will also be used by utility concessionaires and ODA facilities/venue management teams (if required).

The following assumption should be added:

Some spectrum allocated prior to Games (e.g. to ODA during Construction) may continue to be required during Games e.g. for use by utilities concessionaires and/or ODA facilities/venues management (if required).

### Requirements for PMR and broadcasting

*Question 3a. What is your assessment of the requirements for handheld radio systems?*

*Question 3b. How can they be met most efficiently?*

*Question 4. Would you want to use capacity on LOCOG's trunk network through a rate card?*

*Question 5a. What is your assessment of the requirements for land mobile radio systems?*

*Question 5b. How can they be met most efficiently?*

*Question 6a. What is your assessment of the requirements for maritime radio?*

*Question 6b. How can they be met most efficiently?*

*Question 7. Do you think that digital wireless microphones will be widely used by the time of the London Games?*

*Question 8a. What is your assessment of the requirements for wireless microphones?*

*Question 8b. How can they be met most efficiently?*

*Question 9. How do you think developments in audio technology will effect spectrum requirements?*

*Question 10a. What is your assessment of the requirements for in-ear monitors?*

*Question 10b. How can they be met most efficiently?*

*Question 11a. What is your assessment of the requirements for talkback?*

*Question 11b. How can they be met most efficiently?*

*Question 12a. What is your assessment of the requirements for ADS?*

*Question 12b. How can they be met most efficiently?*

*Question 13a. What is your assessment of the requirements for S-RSL's?*

*Question 13b. How can they be met most efficiently?*

*Question 14a. What is your assessment of the requirements for wireless cameras?*

*Question 14b. How can they be met most efficiently?*

*Question 15. How do you think the use of HD will effect spectrum requirements?*

*Question 16a. What is your assessment of the requirements for point-to-point links?*

Point-to-Point links are likely to be required during Construction for the provision of telecoms and IT services to and across the Olympic Park site given the following:

- There is little or no existing wired infrastructure across the site.
- It will be difficult to deploy a wired infrastructure across the site due to construction works.

*Question 16b. How can they be met most efficiently?*

*Question 17. How do you think spectrum could be used more efficiently?*

*Question 18a. Do you think that wireless-camera technology operating between 3 and 7.5 GHz will be more widely available by the time of the London Games?*

*Question 18b. Do you think that wireless-camera technology operating at up to 60 GHz will be available by the time of the London Games?*

*Question 18c. Could existing wireless cameras be adapted to work at higher frequencies?*

*Question 18d. Are there any other considerations that will affect the feasibility of using higher-frequency spectrum for wireless cameras?*

*Question 19. Do you think that using optical-fibre cameras will reduce spectrum requirements?*

*Question 20. Do you think that using short, wireless video links to fixed, cabled access points will reduce spectrum requirements?*

*Question 21. Do you think that using optical-fibre within and between competition venues will reduce the requirement for fixed point-to-point links?*

### **Requirements for support services**

*Question 22. Do any public support services have spectrum requirements that cannot be met through existing allocation and assignment processes?*

### **Requirements for cultural events**

*Question 23a. What is your assessment of the requirements for cultural events?*

*Question 23b. How can they be met most efficiently?*

### **Other Requirements**

*Question 24a. What is your assessment of other requirements?*

*Question 24b. How can they be met most efficiently?*

### **Operational Issues**

*Question 25a. Do you have any views on previous or possible licensing systems?*

Given the role/responsibilities of the ODA, and likely demand for spectrum in the Olympic Park, ODA should support OFCOM in validating applications for licences for the Construction period.

*Question 25b. When should the licensing system start to accept applications?*

The licensing system or protocol for the Construction period should be agreed between OFCOM and ODA, and implemented, as soon as practically possible.

ODA believes the licensing system for Games should start at least 24 months before the Games.

*Question 26. Do you have any views on enforcement?*