

**Title:**

Mr

**Forename:**

Trevor

**Surname:**

Foulkes

**Representing:**

Organisation

**Organisation (if applicable):**

High Speed Two (HS2) Ltd

**Email:**

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**What additional details do you want to keep confidential?:**

No

**If you want part of your response kept confidential, which parts?:**

**Ofcom may publish a response summary:**

Yes

**I confirm that I have read the declaration:**

Yes

**Additional comments:**

HS2 is working with other Railways across Europe to identify the next generation of radio system for the safe and reliable operation of trains. A new system would require spectrum to operate. We welcome the chance to inform the review of this band

**Question 1: Do you agree with Aegis's conclusions on congestion of current use of 420-470 MHz spectrum? Are there any other signs or areas of congestion that Aegis have not identified from their review?:**

No view

**Question 2: Do you agree with Aegis's conclusions on the future demand and use of 420-470 MHz spectrum over the next ten years? Are there any other future uses or areas for future demand that Aegis have not identified from their review?:**

Consideration should be given to the use of this band for safe and reliable operation of Railways.

**Question 3: Do you agree with Aegis's conclusions that there is not yet any UK demand for wideband services in the 450-470 MHz band (which could for example, be used to improve rural mobile coverage)? Please provide any supporting evidence for your position.:**

There is a demand for a wideband service to support the safe and reliable operation of trains. Consideration should be given to sharing with others users e.g. RAF Fylingdale as the vast majority of the UK's railways are outside the exclusion zone mentioned.

**Question 4: Have you experienced degradation in your systems? performance which you consider to be caused by continental interference in the last 12 months? If yes, what approach did you take towards managing and minimising interference?**

**Please provide any supporting evidence which explains the frequency, impact, duration, time, location and cause (whether suspected or investigated) of the interference with respect to your specific sector(s).:**

N/A

**Question 5: Is there additional information relevant to the configuration of the 420-470 MHz band that we should consider in developing our approach to its future management? Please provide any evidence to support your views.:**

It would be useful to align at least part of the band with the European allocations to allow interoperability of trains to and from Europe.

**Question 6: Do you agree with the potential solutions Aegis have proposed for managing the 420-470 MHz band to both meet the continued growth in congestion and demand from incumbent spectrum users, and to facilitate the deployment of wideband technologies? Are there any other solutions which you consider we should examine that Aegis have not identified from their review?**

**Please provide any evidence to support your position and reference each solution in your response as appropriate.:**

Consideration should be giving to licencing part of this band for use by Railways

**Question 7: Do you have any further comments relevant to how we might manage spectrum between 420-470 MHz? :**

No view

**Question 8: Do you have any comments on our proposed programme of work, the outcomes from which we will use to inform future decisions on how we manage the 420-470 MHz band? Are there any additional areas you consider we should explore?:**

Please consider use of this band for Railways.