

Consultation response form

Question	Your response
Question 1: Do you agree with our assessment of the business models that could potentially emerge?	<p>Confidential? – N</p> <p>Yes, D2D can be good catalyst for business use cases and associated models to emerge in remote areas. There are still last mile linked challenges which D2D could help open up for innovation. While being a white space (just mobile in its early days of voice connectivity), D2D will eventually witness use cases towards business revenues as latency reduces and data becomes more active even on SatCo driven D2D.</p>
Question 1(a): Are there any other business models that you think could deliver benefits for people and businesses in the UK?	<p>Confidential? – N</p> <p>UK has huge sea area and high terrains which is still has limited coverage through terrestrial coverage. There are opportunities to enable secure financial transactions in remote or underserved areas using satellite connectivity leading to increased financial inclusion and enhance economic opportunities.</p> <p>Improved connectivity can also enhance access to social care and healthcare services in rural areas, which face challenges such as geographical isolation and workforce shortages</p>
Question 1(b): Are there any business models that could not operate under our proposed approaches?	<p>Confidential? – N</p> <p>While Vodafone has been piloting data on android through D2D, low data latency use cases</p>

Question	Your response
	<p>are still far away to be enabled through D2D. Businesses focused on real-time services may need to wait for advancements in satellite technology to reduce latency</p> <p>High-data services such as video streaming might not be feasible due to bandwidth limitations and latency issues.</p>
Question 2: Do you agree with our assessment of the benefits that could be realised through authorisation of D2D services?	<p>Confidential? – N</p> <p>Yes, spectrum management will enable adoption of D2D services</p>
Question 2(a): Are there any other benefits for UK citizens and businesses that could be realised?	<p>Confidential? – N</p> <p>Same as 1a</p>
Question 3: Do you have comments on how emerging D2D technology should support 999 service provision?	<p>Confidential? – N</p> <p>999 service provision is an obligation which should be baked in in D2D proposition including authorizations. Main premise of D2D is to enable remote connectivity and life saving requests need to be included as part of D2D irrespective of model where D2D is in partnership with MNO or directly through own unique devices.</p>
Question 4: Are there any mobile spectrum bands not in scope of our proposals that you think we should consider?	<p>Confidential? – Y</p> <p>✂</p>
Question 5: Does deployment in supplementary downlink spectrum (SDL) present any challenges in comparison to other bands? Is there interest in deploying in this spectrum?	<p>Confidential? – Y</p> <p>✂</p>
Question 6: Do you agree with our proposal to limit this authorisation to the UK mainland and territorial waters? If not, please explain why.	<p>Confidential? – N</p>

Question	Your response
	<p>Yes, given D2D will be in agreement between UK MNO and SatCo, it is important to align and approve it with UK mainland and territorial water to ensure right design by other players and reduce any possible interference.</p>
<p>Question 7: Do you agree that our proposed technical conditions for D2D satellite emissions will protect mobile services delivered by other operators in adjacent areas and in adjacent spectrum?</p>	<p>Confidential? – Y</p> <p>✂</p>
<p>Question 8: Do you agree with our high-level co-existence assessment for other services in adjacent spectrum to D2D?</p>	<p>Confidential? – Y</p> <p>✂</p>
<p>Question 9: Are there other services co-channel or in adjacent spectrum that you think we should take into account when assessing coexistence? If so, please provide evidence of the nature of interference and what level of protection you consider is necessary.</p>	<p>Confidential? – Y</p> <p>✂</p>
<p>Question 10: Do you agree with our preferred authorisation approach (option 2)? If not, please set out your reasoning.</p>	<p>Confidential? – N</p> <p>While Option 2 is most practical one at this point of time being controlled by the MNO, in future devices might directly control the transmission with satellite based on remote use cases. Option 2 is a good place to start currently with key guardrails to be defined for option 3 over next 2 years</p>
<p>Question 11: Are there any alternative authorisation options, not discussed here, that you believe are worth considering?</p>	<p>Confidential? – Y</p> <p>✂</p>
<p>Question 12: Do you agree with the proposed conditions?</p>	<p>Confidential? – N</p> <p>Yes</p>

Question	Your response
Question 13: Do you have any other comments on the proposals set out in this document?	Confidential? – Y ✂

Please complete this form in full and return to mobilefromskyandspace@ofcom.org.uk.