

## Initial Report

Last Modified: 10/07/2014

### 1. Are you content for the Government to publish your response?

#	Answer	Bar	Response	%
1	Yes, I would like the Government to publish my response.		1	100%
2	No, I do not want the Government to publish my response.		0	0%
	Total		1	

### 2. Please explain why you regard the information you have provided in response to this consultation as confidential.

*This question was not displayed to the respondent.*

### 3. Name

#### Text Response

Andrew Turner

### 4. Are you responding on behalf of an organisation?

#	Answer	Bar	Response	%
1	Yes		0	0%
2	No		1	100%
	Total		1	

### 5. Organisation name

*This question was not displayed to the respondent.*

### 6. Contact email address

#### Text Response

andrew.turner@bcs.org

### 7. Contact address

*This question was not answered by the respondent.*

## 8. Please select which category best describes you or your organisation

#	Answer	Bar	Response	%
1	Academia/research		0	0%
2	Broadcasting		0	0%
3	Consumer/user		1	100%
4	Consumer group		0	0%
5	Fixed communications provider		0	0%
6	Industry organisation		0	0%
7	Infrastructure provider		0	0%
8	Internet Service Provider		0	0%
9	Local Government or other public sector		0	0%
10	Mobile communications provider		0	0%
11	Satellite communications provider		0	0%
12	Technology company		0	0%
13	Other		0	0%
14	Business user or business group		0	0%
	Total		1	

## 9. If other, please give details.

*This question was not displayed to the respondent.*

## 10. Is this an appropriate role for Government?

#	Answer	Bar	Response	%
1	Yes		1	100%
2	No		0	0%
	Total		1	

## 11. Are there other high level principles the Government might adopt?

#	Answer	Bar	Response	%
1	Yes		1	100%
2	No		0	0%
	Total		1	

## 12. If yes, please give details.

**Text Response**

Ensuring access is ubiquitous (within reason) in order that rural areas are not left out of the digital age.

**13.** What resources do you consider the Government should aim to deploy to effectively manage its role?

**Text Response**

Revise the role of OFCOM to make it accountable for poor coverage. Revise the licensing procedure in such a way that OFCOM can revoke telco licenses where coverage is demonstrably poor. Make telcos more accountable for poor coverage. Stop the two tier pricing structure (which is almost without exception hidden in the small print of advertising campaigns by all telcos) where those in urban areas receive 'subsidised' broadband at the expense of those in rural areas.

**14.** What potential opportunities are there for Government to leverage its combined buying power to support policy objectives?

**Text Response**

Enforce broadband and 4g coverage to be rolled out across the whole nation and not just urban conurbations. Stop the telcos cherry picking as they do today.

**15.** If migration to IPV6 is required, are there any barriers to that migration?

#	Answer	Bar	Response	%
1	I think there are significant barriers.		0	0%
2	I think there are insignificant barriers.		1	100%
3	I do not think there are any barriers.		0	0%
4	I do not think IPV6 is required.		0	0%
	Total		1	

**16.** How might these barriers be addressed?

**Text Response**

Include IPv6 as a mandatory part of all future government infrastructure and IT procurements

**17.** Is an ongoing disparity of provision of broadband services across the country inevitable?

#	Answer	Bar	Response	%
1	Yes		1	100%
2	No		0	0%
	Total		1	

18. If so, should this be addressed?

#	Answer	Bar	Response	%
1	Yes		1	100%
2	No		0	0%
	Total		1	

19. How might this be done most effectively?

**Text Response**

Abandon the dual pricing structure which is currently hidden from most consumers

20. How symmetrical will digital communications networks have to be in the future? Will this differ across user types? What implications does this have for fixed and wireless broadband provision?

**Text Response**

Symmetrical in similarity of coverage no matter where one lives. Broadband and wireless (4g etc.). There should be no distinction between those in a city to those in the country.

21. Which countries should be our benchmarks on communications infrastructure to ensure that business remains in the UK and continues to invest?

**Text Response**

Singapore

22. What metrics do you think should or will become relevant in comparing network performance in different countries?

**Text Response**

Actual received download and upload speeds rather than computer based predictions which are almost always optimistic in an effort to sell bandwidth.

23. What metrics should most appropriately be used as the basis to set objectives for Government policy?

**Text Response**

Mandatory reporting from end user devices into OFCOM for monitoring purposes. Should be possible to have software included into set topboxes for DTV consumption along with broadband routers.

## 24. Do you agree with this scenario or elements within it?

#	Answer	Bar	Response	%
1	Strongly Disagree		0	0%
2	Disagree		1	100%
3	Neither Agree nor Disagree		0	0%
4	Agree		0	0%
5	Strongly Agree		0	0%
	Total		1	

## 25. Where do you agree/disagree? If you disagree what alternative scenario do you envisage?

### Text Response

Given Moore's Law in computing predicts a doubling of power every two years why will consumption of bandwidth be any different? By 2030 I would expect broadcast TV and Radio to be a thing of the past but this can only happen if EVERYONE has access to reliable broadband or wireless. I feel Scenario 3 is most likely with the advent of the Internet of Things and other advances in communications

## 26. What are your views on the technology commentary underpinning this scenario? To what extent might the infrastructure/technology discussed evolve irrespective of demand and how far it be a direct consequence of the level of demand?

*This question was not answered by the respondent.*

## 27. Are there technologies not identified here that you think will have a major impact on the performance of existing infrastructure or the deployment of additional infrastructure in the next 10-15 years?

#	Answer	Bar	Response	%
1	Yes		1	100%
2	No		0	0%
	Total		1	

## 28. If yes, please give details.

### Text Response

\$g will significantly increase the take up of mobile computing and access to information sources across the whole spectrum of users whether it be elderly people using TeleHealth/TeleCare or youngsters strwaming games etc.

## 29. Are there wider environmental issues not reflected in the scenario e.g. the price of availability of energy that will affect any of the scenarios?

#	Answer	Bar	Response	%
1	Yes		0	0%
2	No		1	100%
	Total		1	

**30.** In what way might these wider environmental issues affect any of the scenarios?

*This question was not displayed to the respondent.*

**31.** How likely is any unforeseen disruption to this scenario?

#	Answer	Bar	Response	%
1	Very Unlikely		0	0%
2	Unlikely		0	0%
3	Undecided		1	100%
4	Likely		0	0%
5	Very Likely		0	0%
	Total		1	

**32.** In what area might it occur?

*This question was not displayed to the respondent.*

**33.** Do you agree with this scenario or elements within it?

#	Answer	Bar	Response	%
1	Strongly Disagree		0	0%
2	Disagree		0	0%
3	Neither Agree nor Disagree		1	100%
4	Agree		0	0%
5	Strongly Agree		0	0%
	Total		1	

**34.** Where do you agree/disagree? If you disagree what alternative scenario do you envisage?

*This question was not answered by the respondent.*

35. What are your views on the technology commentary underpinning this scenario? To what extent might the infrastructure/technology discussed evolve irrespective of demand and how far it be a direct consequence of the level of demand?

*This question was not answered by the respondent.*

36. Are there technologies not identified here that you think will have a major impact on the performance of existing infrastructure or the deployment of additional infrastructure in the next 10-15 years?

#	Answer	Bar	Response	%
1	Yes		1	100%
2	No		0	0%
	Total		1	

37. If yes, please give details.

*This question was not displayed to the respondent.*

38. Are there wider environmental issues not reflected in the scenario e.g. the price of availability of energy that will affect any of the scenarios?

*This question was not displayed to the respondent.*

39. In what way might these wider environmental issues affect any of the scenarios?

*This question was not displayed to the respondent.*

40. How likely is any unforeseen disruption to this scenario?

*This question was not displayed to the respondent.*

41. In what area might it occur?

*This question was not displayed to the respondent.*

42. Do you agree with this scenario or elements within it?

*This question was not displayed to the respondent.*

43. Where do you agree/disagree? If you disagree what alternative scenario do

you envisage?

*This question was not displayed to the respondent.*

**44.** What are your views on the technology commentary underpinning this scenario? To what extent might the infrastructure/technology discussed evolve irrespective of demand and how far it be a direct consequence of the level of demand?

*This question was not displayed to the respondent.*

**45.** Are there technologies not identified here that you think will have a major impact on the performance of existing infrastructure or the deployment of additional infrastructure in the next 10-15 years?

*This question was not displayed to the respondent.*

**46.** If yes, please give details.

*This question was not displayed to the respondent.*

**47.** Are there wider environmental issues not reflected in the scenario e.g. the price of availability of energy that will affect any of the scenarios?

*This question was not displayed to the respondent.*

**48.** In what way might these wider environmental issues affect any of the scenarios?

*This question was not displayed to the respondent.*

**49.** How likely is any unforeseen disruption to this scenario?

*This question was not displayed to the respondent.*

**50.** In what area might it occur?

*This question was not displayed to the respondent.*

**51.** Are there factors, for example technical or unrelated to the regulatory framework, that could create bottlenecks and delay future infrastructure deployment in the UK in this timeframe, that would result in demand not being met or the UK not being seen as a leading digital nation?

*This question was not displayed to the respondent.*

52. Please give details.

*This question was not displayed to the respondent.*

53. Do you expect commercial providers to deliver future infrastructure and meet demand on a purely commercial basis, or is some form of public intervention likely?

*This question was not displayed to the respondent.*

54. If public intervention is likely how might that work with the commercial provision of infrastructure? What form might that intervention take?

*This question was not displayed to the respondent.*

55. Which current or draft legislation might prevent or facilitate the emergence of any of the scenarios?

*This question was not displayed to the respondent.*

56. Do you have views on which scenario (or combination of scenarios) is most likely and should influence the development of future strategy?

*This question was not displayed to the respondent.*

57. Please give your reasoning for why you think this scenario or combination of scenarios is most likely.

*This question was not displayed to the respondent.*

58. How might efficient investment in communications infrastructure be supported, for example by changes in the regulatory framework?

*This question was not displayed to the respondent.*

59. Are any further measures necessary to incentivise the rollout of future mobile infrastructure in currently underserved areas?

*This question was not displayed to the respondent.*

60. Please give details.

*This question was not displayed to the respondent.*

61. Is there a role for a revised USO or USC to ensure that minimum consumer demand requirements are met and to reduce the potential for a new digital divide? What might this look like?

*This question was not displayed to the respondent.*

62. What might this look like?

*This question was not displayed to the respondent.*

63. In terms of supporting future innovation and long-term investment in infrastructure, what areas of broadcasting regulation may have served its purpose by 2025 -2030 (or indeed earlier). What future technical developments may also have longer term implications for regulation and wider public policy?

*This question was not displayed to the respondent.*

64. Are there changes to the EU Framework that the UK might seek to encourage more competition in UK markets?

*This question was not displayed to the respondent.*

65. Please give details.

*This question was not displayed to the respondent.*

66. Should Government seek changes to the European Framework which put more reliance on competition law?

*This question was not displayed to the respondent.*

67. How might this be done?

*This question was not displayed to the respondent.*

68. In what ways can you see competition driving technological change in the UK in the future?

*This question was not displayed to the respondent.*

69. How can the regulatory framework keep up to date with new business models and changes in technology?

*This question was not displayed to the respondent.*

**70.** Are there any changes to legislation other than the Communications Act that would incentivise the provision of communications infrastructure?

*This question was not displayed to the respondent.*

**71.** What might these changes be?

*This question was not displayed to the respondent.*

**72.** Would there be benefits to investment from a focus on broadband only services? Are there any barriers to the emergence and adoption of broadband only services, whilst still providing necessary access to emergency services?

*This question was not displayed to the respondent.*

**73.** Please give details.

*This question was not displayed to the respondent.*

**74.** Are there any barriers to the emergence and adoption of broadband only services, whilst still providing necessary access to emergency services?

*This question was not displayed to the respondent.*

**75.** Please give details.

*This question was not displayed to the respondent.*

**76.** How might copper access networks evolve over time alongside other access technologies? Is there a role for policymakers in helping manage any transition from copper to other access networks?

*This question was not displayed to the respondent.*

**77.** Views are sought on whether there are any additional actions the Government should consider to ensure that the provision of all areas of the UK's digital communications infrastructure remains competitive in order to ensure that the UK can take full advantage of growth opportunities in the Digital Age.

*This question was not displayed to the respondent.*

**78.** Aside from legislation and adapting the regulatory framework in the broad sense which other actions should the Government take to encourage investment in communications infrastructure?

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*This question was not displayed to the respondent.*

**79.** Views are sought on whether there are any additional actions the Government should consider to ensure that potential investment in the provision of digital communications infrastructure offers a suitable risk and reward profile to ensure that they can be financed by the private sector.

*This question was not displayed to the respondent.*

**80.** Views are sought on the case for the UK to invest to gain 'early mover advantage'.

*This question was not displayed to the respondent.*

**81.** Views are sought on what areas in particular the UK should aim to see investment in.

*This question was not displayed to the respondent.*

**82.** Are there any actions not covered elsewhere in this report that the government should consider to ensure digital communications infrastructure is in place before it is needed and such that it helps generate need?

*This question was not displayed to the respondent.*

**83.** How might we maximise the current R&D and innovation UK landscape to help take advantage of the opportunities provided by future technologies? What needs to be done by Government and its agencies, and industry to tackle any gaps?

*This question was not displayed to the respondent.*

**84.** In which future communications technologies that you consider the UK has, or could achieve, an international leadership position?

*This question was not displayed to the respondent.*

**85.** What more might government and industry do to exploit future technologies, associated new applications and emerging business models?

*This question was not displayed to the respondent.*

**86.** What role might local bodies have in facilitating the future delivery of digital communications infrastructure?

*This question was not displayed to the respondent.*

**87.** How can councils maximise the digital communications infrastructure in their local area to support their work on economic regeneration?

*This question was not displayed to the respondent.*

**88.** Please provide details of information you feel is relevant to the development of the Digital Communications Infrastructure Strategy and not already covered by the consultation questions.

*This question was not displayed to the respondent.*