


Message 1

**Message Key:** 0003144CBF32281A78393387FA0DA2B25A08312E 

**From:** [REDACTED]

**To:** "j.young@gov.je" <j.young@gov.je>

**Subject:** Lunchtime briefing

**Date:** Thursday, June 21, 2018 15:18 UTC

**Attachments:** States of Jersey briefing invite - 11 July 2018.pdf (257.3 KB)

Dear Deputy Young

Congratulations on your election to serve as a States member. I look forward to discussing how the Competition Authority can support you as States members in addressing the priorities and ambitions for Jersey.

The States has given CICRA a role to play in Jersey's success. As an independent body, set up by the States of Jersey, it is one of the bodies with a responsibility for oversight of certain sectors of the economy, namely telecoms, ports and postal sectors. The success or otherwise of these key sectors will have a profound impact on Jersey as a place to live, work, and do business. We are also responsible for competition law, creating an environment in which fair dealing businesses flourish. We have been described as an organisation that makes business fair, competitive and ethical for the protection and benefit of consumers.

Together with my senior team, I am keen to meet with you as States members as soon as possible to understand, first hand, the issues that were raised with members during the election, to explain CICRA's involvement in a few key areas such as 5G and mergers and how we work with key stakeholders, including politicians, civil servants and business.

Please find attached an invitation to attend a lunchtime briefing given by the Channel Islands Competition and Regulatory Authorities (CICRA).

I look forward to meeting with you.

Best regards

[REDACTED]

Channel Islands Competition and Regulatory Authorities  
2nd Floor, Salisbury House  
1 - 9 Union Street  
St Helier  
Jersey JE2 3RF

Telephone : [REDACTED]

CICRA is the name given to the two Channel Islands Regulatory Authorities, the Jersey Competition Regulatory Authority and the Guernsey Competition and Regulatory Authority. For more information see our website [www.cicra.je](http://www.cicra.je) / [www.cicra.gg](http://www.cicra.gg)

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----- End Of Message -----

## Message 2

**Message Key:** 00031453FD9A982AEBF02E3B3554D2DE6EC2AD21  
**From:** [REDACTED]  
**To:** John Young <J.Young@gov.je>  
**Cc:** [REDACTED]  
**Subject:** RE: 5G proposed rollout  
**Date:** Tuesday, November 13, 2018 08:45 UTC



Hi John

I'll find out a bit more re this subject with a view of drafting you a response.

Regards

[REDACTED]

**From:** John Young  
**Sent:** 13 November 2018 08:40  
**To:** William Peggie <W.Peggie@gov.je>  
**Cc:** Louise Magris <L.Magris@gov.je>; Andrew Scate <A.Scate@gov.je>; [REDACTED]  
**Subject:** Fw: 5G proposed rollout

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**From:** [REDACTED]  
**Sent:** 12 November 2018 20:10  
**To:** John Young  
**Cc:** Environment Department Enquiry  
**Subject:** 5G proposed rollout

Dear Mr Young,

I write to relay my extreme concern on the proposed roll out of 5G, fifth generation telecommunication networks, in Jersey and the support that the States of Jersey and CICRA has provided to telecommunication companies to expedite the deployment of this technology.

There has been no Governmental or CICRA review of the environmental and human health impacts of moving forward with 5G as far as I am aware.

The States of Jersey do not appear to have implemented any specific rules for 5G deployment without first studying the safety of 5G for humans and the environment and this new 5G technology will impact us all in a very serious way. If 5G is built, radiation levels will increase 10- to 100-fold, virtually overnight.

These high frequency wavelengths penetrate only the outer layer of the skin, unlike 2G, 3G and 4G technology which passes through the body. Major health concerns with exposure to 5G are to skin, eye and adverse systemic metabolic signaling through skin sensors, as well as heat effects. There are also significant concerns regarding damage to the environment, with harm to insects and bacteria.

There is consensus within the scientific community that the existing limits for wireless radiation do not protect the population from biological effects.

244 EMF (electromagnetic field) Scientists from 41 nations around the globe are urgently calling upon the United Nations and its sub organisations, the WHO and UNEP and all Member States for greater health protection on EMF Exposure:(<https://www.emfscientist.org><<https://www.emfscientist.org/>>).

In addition, in April this year the International Society of Doctors for the Environment (ISDE) adopted a declaration calling for a moratorium on the deployment of 5G in the European Union. They state in the declaration that, 'We believe it should be unethical to ignore the available evidence waiting a possible "a posteriori" demonstration of health damages in the presence of a present and potentially manageable risk for public health'.

<https://www.saferemr.com/2017/09/5G-moratorium12.html>

Furthermore scientists and doctors worldwide are calling for a halt to the 5G rollout. Last year over 180 scientists and doctors issued a declaration to officials of the European Commission demanding a moratorium on the increase cell antennas for planned 5G expansion and concerns over health effects from high radiation exposure include potential neurological impacts, infertility and cancer.

<https://ehtrust.org/small-cells-mini-cell-towers-health-letters-scientists-health-risk-5g/>

There is now overwhelming scientific evidence of the dangers and detrimental effects regarding non ionizing radiation, the literature on Radio Frequency Radiation (RFR) in the very high frequency bands required for 5G document DNA breakages, serious cellular resonance effects, and other serious detrimental metabolic effects,

<http://www.bioinitiative.org/conclusions/>

Peer reviewed, published science indicates that exposures to wireless radiation can increase cancer risk and alter brain development and damage sperm. Most people are unaware that wireless technology was never tested for long-term safety, that children are more vulnerable and that the accumulated scientific evidence shows harm.

A letter from oncologist Lennart Hardell MD & Colleagues stated that "There is a substantial body of evidence that this technology is harmful to humans and the environment. The 5G millimeter wave is known to heat the eyes, skin and testes... Of particular concern are the most vulnerable among us - the unborn, children, the infirm, the elderly and the disabled. It is also expected that populations of bees and birds will drastically decline."

His letter and other letters from Scientists can be found here:

<https://ehtrust.org/small-cells-mini-cell-towers-health-letters-scientists-health-risk-5g/>

5G will add in another layer of wireless radiation to our environment. 5G will not only utilize wireless frequencies already in use but also add in higher frequencies - submillimeter and millimeter waves in order to transmit data at superfast speeds.

Communities are being stripped of their right to make decisions about this new technology, we have not been advised when and where, (small cells?), this technology will be deployed. CICRA's press release in the summer on this subject did not mention the concerns and potential health effects of this technology. We are not being provided the relevant balanced information and have no voice in relation to the rollout of 5G which is unacceptable. I have written to CICRA for their comment and requested a moratorium the rollout of 5G until evidence has been provided that it is safe for deployment.

Public notice and public hearings are not even on the agenda yet telecom businesses and CICRA are working full steam ahead to benefit from the opportunities of revenue streams the deployment of this technology will bring to shareholders. Whilst I am not against technology and the improvements and advances it can bring for all of us, it has to be SAFE.

Please immediately halt the rollout of 5G technology in Jersey until a full, independent and thorough public review is undertaken and all the evidence has been researched and considered.

Please advise how you are guaranteeing my safety and the safety of the public and our environment by allowing the 'streamlining' of 5G testing and rollout.

I look forward to hearing from you.

Yours sincerely,

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

----- End Of Message -----

## Message 3

**Message Key:** 00031453F50F516F1787CC02F61BB1DD3BD12439  
**From:** [REDACTED]  
**To:** John Young <J.Young@gov.je>  
**Cc:** [REDACTED]  
**Subject:** 5G proposed rollout  
**Date:** Sunday, November 18, 2018 16:46 UTC



Hi John

Suggested response below to email from [REDACTED]

Regards

[REDACTED]

Dear [REDACTED]

Thank you for your email below and sorry for my delay in responding to you.

The adoption and roll out of 5G mobile in Jersey is in the early stages. I can assure you that the States of Jersey, regulators and network operators consider matters of public safety extremely seriously and we will ensure that the roll out of 5G is safe and meets recognised international standards.

5G networks in Jersey will be regulated by the Channel Islands Competition & Regulatory Authorities (CICRA), and all mobile masts (current and future) need to adhere to health and safety emission limits prescribed by the International Commission on Non-Ionizing Radiation Protection (ICNIRP). These emission standards are recognised by the World Health Organisation (WHO) and are used within the European Union and other regions.

It may reassure you to know that CICRA already audit Jersey's mobile telecom operators mobile masts and all of these operate within the ICNIRP safe limits. Details of the latest audit can be found here: <https://www.cicra.gg/telecoms-masts/>

I hope the above is of some help and thanks again for contacting me.

Kind Regards

Deputy John Young

Minister for the Environment

## Message 4

**Message Key:** 00031453C231410DCAB525BBD8AD4C2CBBFE4758  
**From:** John Young <J.Young@gov.je>  
**To:** [REDACTED]  
**Addressed To:** [REDACTED]  
**Subject:** Fw: 5G proposed rollout  
**Date:** Wednesday, November 21, 2018 11:17 UTC



Dear [REDACTED]

Thank you for your email below and sorry for my delay in responding to you.

The adoption and roll out of 5G mobile in Jersey is in the early stages. I can assure you that the States of Jersey, regulators and network operators consider matters of public safety extremely seriously and we will ensure that the roll out of 5G is safe and meets recognised international standards.

5G networks in Jersey will be regulated by the Channel Islands Competition & Regulatory Authorities (CICRA), and all mobile masts (current and future) need to adhere to health and safety emission limits prescribed by the International Commission on Non-Ionizing Radiation Protection (ICNIRP). These emission standards are recognised by the World Health Organisation (WHO) and are used within the European Union and other regions.

It may reassure you to know that CICRA already audit Jersey's mobile telecom operators mobile masts and all of these operate within the ICNIRP safe limits. Details of the latest audit can be found here: <https://www.cicra.gg/telecoms-masts/>

I hope the above is of some help and thanks again for contacting me.

Kind Regards

Deputy John Young

Minister for the Environment

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**From:** [REDACTED]  
**Sent:** 12 November 2018 20:10  
**To:** John Young  
**Cc:** Environment Department Enquiry  
**Subject:** 5G proposed rollout

Message 5

Message Key: 000314535502E82E5C17C1B87572266FE51FD38A  
From: [REDACTED]  
To: John Young <J.Young@gov.je>  
Subject: FW: 5G  
Date: Tuesday, November 27, 2018 17:30 UTC



Emails below fyi.

Did you ever send the draft email I sent you to the person who contacted you re 5G?

From: [REDACTED]  
Sent: 27 November 2018 17:26  
To: Lyndon Farnham <L.Farnham@gov.je>  
Cc: [REDACTED]  
Subject: RE: 5G

Dear Lyndon

Please see below a proposed response to [REDACTED]. This is consistent with a response that Deputy Young sent to another [REDACTED] who contacted him with a similar concern last week. We worked with the ministerial support unit on that response and I asked that you were copied in on it as I think it is important to ensure consistency of response on issues such as this.

Please let me know if you would like any amends to the response below.

Thanks

[REDACTED]

Dear [REDACTED]

Thank you for your email.

Discussions around the adoption and roll out of 5G mobile in Jersey are in the early stages. I can assure you that the States of Jersey, regulators and network operators consider matters of public safety extremely seriously and we will ensure that the roll out of 5G is safe and meets recognised international standards.

5G networks in Jersey will be regulated by the Channel Islands Competition & Regulatory Authorities (CICRA), and all mobile masts (current and future) need to adhere to health and safety emission limits prescribed by the International Commission on Non-Ionizing Radiation Protection (ICNIRP). These emission standards are recognised by the World Health Organisation (WHO) and are used within the European Union and other regions.

It may reassure you to know that CICRA already audit Jersey's mobile telecom operators mobile masts and all of these operate within the ICNIRP safe limits. Details of the latest audit can be found here: <https://www.cicra.gg/telecoms-masts/>.

Kind regards

Senator Farnham

From: Lyndon Farnham <L.Farnham@gov.je<mailto:L.Farnham@gov.je>>  
Sent: 27 November 2018 15:06  
To: [REDACTED]  
Cc: [REDACTED]  
Subject: Re: 5G

Understood, thank you [REDACTED]  
Senator Lyndon Farnham

On 27 Nov 2018, at 15:01, [REDACTED] wrote:  
Hi Lyndon

We will prepare a full response for you.

In short though, the health and wellbeing of Jersey's residents is a priority for Government and CICRA has a role in testing masts and making sure that masts meet requirements.

It's worth noting that:

- Mobile phones were first launched commercially in the early 1980s and have been subject to intense, industry, Government and independent scrutiny with every new generation of phone.
- There is no evidence that mobile phone signals can cause harm to the body's cells – they do not use ionising radiation that damages the body.
- Despite over 30 years intensive, use no studies of the rates of disease such as cancer either in the real world or in the lab have established increased incidence of harm related to the use of mobile phones.

Kind regards

[REDACTED]

From: Lyndon Farnham <L.Farnham@gov.je<mailto:L.Farnham@gov.je>>  
Sent: 27 November 2018 14:55  
To: [REDACTED]  
Subject: Fwd: 5G

Hi [REDACTED]

How would you suggest I respond to the attached?

KR,

Lyndon.  
Senator Lyndon Farnham

Begin forwarded message:

From: [REDACTED]  
Date: 27 November 2018 at 14:48:20 GMT  
To: Lyndon Farnham <l.farnham@gov.je<mailto:l.farnham@gov.je>>  
Subject: 5G  
Dear Sir

I don't know what sort of conference you attended, but I bet they didn't read the attached paper. I have written a letter to the JEP regarding 5G. I hope they print it. This Government seem intent on killing everyone. Mobile phone masts are already doing that. Why do think it necessary for a Hospice for children? It is such an unhealthy place to live now, but people are unaware of the dangers, as the Government keeps it quiet, as it makes a shed load of money for them.

Yours faithfully

[REDACTED]

[<https://ipmcdn.avast.com/images/icons/icon-envelope-tick-round-orange-animated-no-repeat-v1.gif>]<[https://www.avast.com/sig-email?utm\\_medium=email&utm\\_source=link&utm\\_campaign=sig-email&utm\\_content=webmail](https://www.avast.com/sig-email?utm_medium=email&utm_source=link&utm_campaign=sig-email&utm_content=webmail)>

Virus-free. [www.avast.com](https://www.avast.com)<[https://www.avast.com/sig-email?utm\\_medium=email&utm\\_source=link&utm\\_campaign=sig-email&utm\\_content=webmail](https://www.avast.com/sig-email?utm_medium=email&utm_source=link&utm_campaign=sig-email&utm_content=webmail)>

<image001.jpg>

----- End Of Message -----



Message 6

Message Key: 000314539B27DCC602C3E18CF131744F6C9A6A08

From: [REDACTED]

To: John Young <j.young@gov.je>

Subject: China's ZTE 'poses risk to UK security' - BBC News

Date: Wednesday, November 28, 2018 18:15 UTC

Attachments: \_100899032\_03714193-17f3-46eb-872b-47f525cfd814.jpg (30.4 KB)



Dear Deputy Young,

Jersey Telecom has recently signed a new contract with ZTE of China to provide a 5G Telecoms network for our 5G future needs. I was interested to see this latest BBC article concerning ' China's ZTE posing a risk to UK security. In fact The National Cyber Security Centre (NCSC) has written to UK telecoms providers warning them that the use of ZTE's equipment and services could pose a national security risk.

Previous mobile telephone network types, such as 2G, 3G, 4G have had physical switch equipment in the island. 5G which will enable many new services and be the enabler of future services such as machine to machine and AI technologies. One of the main differences with this equipment is that most of the switching equipment will be cloud based and not physical switches as at present.

It would be interesting to know where that data and software in future will be contained and who has control over our data and software. I'm sure that 5G will be a wonderful new enabler of future services. As someone who has worked for JT most of my working life and am now retired, I know that JT is a fantastic company with many dedicated engineers and staff , together with their management. Our current Telecoms providers are enabling, some of the best services in the world, while ensuring that a fibre network is being installed throughout our island. I try to keep current with the latest technology and this article concerning ZTE caught my eye and wondered if you could ask some questions concerning security risks with this company.

Best Regards,

[REDACTED]

- >
- > <https://www.bbc.co.uk/news/technology-43784990> <<https://www.bbc.co.uk/news/technology-43784990>>
- >
- > China's ZTE 'poses risk to UK security'
- >
- > Getty Images
- > The warning is set to impact ZTE's efforts to sell 5G infrastructure and devices
- > The UK's cyber-defence watchdog has confirmed it has blacklisted one of China's leading state-owned companies.
- >
- > The National Cyber Security Centre (NCSC) has written to UK telecoms providers warning them that the use of ZTE's equipment and services could pose a national security risk.
- >
- > The move coincides with a US government ban preventing American businesses from selling components to the Shenzhen-based company.
- >
- > ZTE has yet to respond.
- >
- > "It is entirely appropriate and part of NCSC's duty to highlight potential risks to the UK's national security and provide advice based on our technical expertise," said a statement from Dr Ian Levy, the organisation's technical director <<https://www.ncsc.gov.uk/news/ncsc-advice-telecommunications-sector-about-zte>>.
- >
- > "NCSC assess that the national security risks arising from the use of ZTE equipment or services within the context of the existing UK telecommunications infrastructure cannot be mitigated."
- >
- > BT formed a research and development partnership <<http://www.zte.com.cn/global/about/press-center/press-clipping/201106/353801>> with ZTE in 2011, and has also distributed modems manufactured by the Chinese firm.
- >
- > "ZTE is just one of many research partners with which BT is engaged," a spokeswoman for the British firm told the BBC.
- >
- > "Such projects focus on the future uses of networks and technologies and do not necessarily result in the commercial deployment of the research partner's kit in our network.

>  
> She added that BT had "a robust testing regime in place" to ensure its network remained secure.  
>  
> 'Finite resources'  
>  
> In 2012, the US House Intelligence Committee warned that both ZTE and another Chinese firm, Huawei, posed a security threat.  
>  
> Dr Levy also referenced ZTE's rival in a letter sent to the UK telecoms sector, according to the Financial Times  
<<https://www.ft.com/content/24c998b4-416c-11e8-803a-295c97e6fd0b>>.  
>  
> Getty Images  
> ZTE also sells handsets and other computing equipment to consumers  
> "The UK telecommunications network already contains a significant amount of equipment supplied by Huawei, also a Chinese equipment manufacturer," he wrote.  
>  
> "Adding in new equipment and services from another Chinese supplier would render our existing mitigations ineffective."  
>  
> The NCSC's parent organisation, GCHQ, already carries out its own checks on Huawei's equipment.  
>  
> A spokesman for Huawei declined to comment.  
>  
> "What you're seeing here is that the UK government has finite resources," commented Alan Woodward, a former consultant to GCHQ.  
>  
> "We could end up in a situation where the checks and balances needed to protect our security are insufficient, and effectively overwhelmed."  
>  
> "Using yet more equipment sourced from China could mean that we open ourselves up to an unacceptable risk."  
>  
> Sanctions buster  
>  
> The US's action against ZTE stems from the fact the firm sold on US hardware and software to an Iranian telecoms carrier, in breach of sanctions imposed by Washington.  
>  
> ZTE pleaded guilty to the offence last year and paid a \$890m (621m) penalty.  
>  
> At the time the firm also promised to dismiss four senior workers and discipline 35 others. But it acknowledged in March that while it had fired the four managers, it had failed to keep the second part of its promise.  
>  
> "We can't trust what they are telling us is truthful," an unnamed US official told the Reuters news agency.  
>  
> "And in international commerce, truth is pretty important."  
>  
> The Verge highlighted that the ban on US companies selling ZTE further components <<https://www.theverge.com/2018/4/16/17242664/us-uk-china-smartphone-zte-security-risk-sanctions>> means the Chinese firm will be unable to continue using Qualcomm's Snapdragon processors in its smartphones for up to seven years.

----- End Of Message -----

## Message 7

**Message Key:** 00031454438B6D006C14F766D5F074395E5A5556  
**From:** [REDACTED]  
**To:** John Young <J.Young@gov.je>  
**Cc:** [REDACTED]  
**Subject:** FW: 5G proposed rollout  
**Date:** Thursday, December 13, 2018 09:05 UTC  
**Attachments:** 5G proposed rollout.eml (11.4 KB)



Hi John

Further to the email below which you have received, I drafted the attached response for you a couple of weeks ago.

Regards

[REDACTED]

**From:** [REDACTED] On Behalf Of Environment Department Enquiry  
**Sent:** 13 December 2018 08:59  
**To:** [REDACTED]  
**Subject:** FW: 5G proposed rollout

**From:** [REDACTED]  
**Sent:** 12 December 2018 20:12  
**To:** John Young <J.Young@gov.je<mailto:J.Young@gov.je>>  
**Cc:** Environment Department Enquiry <Environment@gov.je<mailto:Environment@gov.je>>  
**Subject:** Re: 5G proposed rollout

Dear Mr Young.

To date I have not had an acknowledgement or response to my below communication.

As I am sure you are aware, Jersey Telecoms and the Chief Minister have recently cemented the 5G rollout plan commencing next year.

This is extremely concerning. I would like to draw your attention to this article published earlier this month in The Lancet.

[https://www.thelancet.com/journals/lanplh/article/PIIS2542-5196\(18\)30221-3/fulltext?dgcid=raven\\_jbs\\_etoc\\_email&fbclid=IwAR0cNtvFIXnXMKknZi7ezeMEFm4IHstFxBI\\_UtCmr19MCTsfGkG7zlh5uq4](https://www.thelancet.com/journals/lanplh/article/PIIS2542-5196(18)30221-3/fulltext?dgcid=raven_jbs_etoc_email&fbclid=IwAR0cNtvFIXnXMKknZi7ezeMEFm4IHstFxBI_UtCmr19MCTsfGkG7zlh5uq4)

As already communicated, this technology will have very serious health implications to all islanders.

Please review the details I have shared and I look forward to hearing from you/your team.

Kind regards,

[REDACTED]

On 12 Nov 2018, at 20:10, [REDACTED] wrote:

[REDACTED]

---

**From:** [REDACTED]  
**Sent:** 18 November 2018 16:46  
**To:** John Young  
**Cc:** [REDACTED]  
**Subject:** 5G proposed rollout

Hi John

Suggested response below to email from [REDACTED]

Regards

[REDACTED]

Dear [REDACTED]

Thank you for your email below and sorry for my delay in responding to you.

The adoption and roll out of 5G mobile in Jersey is in the early stages. I can assure you that the States of Jersey, regulators and network operators consider matters of public safety extremely seriously and we will ensure that the roll out of 5G is safe and meets recognised international standards.

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It may reassure you to know that CICRA already audit Jersey's mobile telecom operators mobile masts and all of these operate within the ICNIRP safe limits. Details of the latest audit can be found here:  
<https://www.cicra.gg/telecoms-masts/>

I hope the above is of some help and thanks again for contacting me.

Kind Regards


Deputy John Young

Minister for the Environment

---

**From:** [REDACTED]  
**Sent:** 12 November 2018 20:10  
**To:** John Young  
**Cc:** Environment Department Enquiry  
**Subject:** 5G proposed rollout

Message 8

**Message Key:** 0003145433C9C1426A90FFD2DC70FE69C436E80E 

**From:** Stewart Petrie <S.petrie@gov.je>  
**To:** [REDACTED]  
**Cc:** John Le Fondre <J.LeF@gov.je>, John Young <J.Young@gov.je>, Tracey Vallois <T.Vallois@gov.je>, Carolyn Labey <C.Labey@gov.je>, Simon Crowcroft <S.Crowcroft@gov.je>, "info@cicra.je" <info@cicra.je>  
**Subject:** 5G Rollout.  
**Date:** Monday, February 11, 2019 12:10 UTC  
**Attachments:** image001.jpg (2.5 KB)

Dear [REDACTED]

I am writing in response to your e-mail to the Minister of Health regarding the proposed roll out of 5G.

I have taken the opportunity to read again the available research and to discuss the subject with our Professional Body, the Chartered Institute of Environmental Health (CIEH). I apologise for the delay this has caused between your e-mail and my response. Mea culpa.

As you are aware the licencing of the mobile Network falls under the remit of the Channel Islands Competition and Regulatory Authorities (CICRA). It is not the Minister of Health who is facilitating 5G testing or rollout. Neither is it within his gift to halt it.

CICRA regularly monitors radio wave emissions from the cellular masts in the Bailiwicks of Guernsey and Jersey to ensure the mobile network operators who operate their services from those masts comply with their license obligations in terms of power levels and that the emissions from the sites comply with internationally recognised standards and guidelines regarding Health & Safety limits for the public. Their reports are all published on the web and can be viewed at <https://mastsurveys.cicra.gg/jersey-audit/>.

CICRA commission monitoring against international standards set by the International Commission on Non-Ionizing Radiation Protection (ICNIRP) <https://www.icnirp.org/en/about-icnirp/aim-status-history/index.html>

The CIEH and ICNIRP are fully appraised of the latest research around possible health risks associated with non-ionising radiation and it is to them we would look when we advise on such matters.

Masts require planning permission and the process for such applications is well established. The Minister of Health is a Statutory Consultee in all Planning matters, from the point of view of health. Environmental Health advises the Minister in this respect. Any objection to such masts from, or on behalf of, the Minister for Health must be health related. As with any application for planning permission, applications for 5G are advertised and may be subject to objection from members of the Public.

While understanding your concerns, our advice is that there is insufficient evidence to object to the erection of phone masts for 5G on health grounds. We will continue to take account of research and peer-reviewed journals on this subject and advise the Minister accordingly.

Yours sincerely,

[cid:image001.jpg@01D1BC26.CD717900]

Stewart Petrie | Director of Environmental Health | Department of the Environment  
Maison le Pape, the Parade, St Helier, Jersey, JE2 3PU

----- End Of Message -----

Message 9

Message Key: 000314B05BC90094A1871B6533C31D1F5353879E



From: [REDACTED]  
To: John Young <J.Young@gov.je>, Gregory Guida <G.Guida@gov.je>  
Subject: FW: 5G Briefing to Ministers for the Environment  
Date: Wednesday, April 17, 2019 14:52 UTC  
Attachments: image001.png (18.2 KB), image002.png (35.1 KB)

Fyi, you will be receiving a briefing on the 5G rollout at the next Minister weekly meeting on the 10th May.

From: [REDACTED]  
Sent: 17 April 2019 15:48  
To: [REDACTED] >  
Cc: Andrew Scate <A.Scate@gov.je>; [REDACTED]  
Subject: 5G Briefing to Ministers for the Environment

Hi [REDACTED]  
Further to the emails below I'll send you an Outlook invite to attend the next Minister for the Environment weekly meeting, taking place on Friday 10th May, to provide a briefing on the 5G rollout. I understand from Andy Scate that there are planning and visual implications to the 5G role out that the Minister needs to be aware of.  
I suggest a short presentation and Q&As. Will 30mins do?  
If you are unable to attend on the 10th May, I'll invite you to the next meeting taking place on Thursday 16th May.  
Please extend the invitation to any of your colleagues you feel should also attend.  
Any question please let me know.

Regards

[REDACTED]

[REDACTED]  
[REDACTED]

Direct: [REDACTED]

Government of Jersey  
Office of the Chief Executive | Ministerial Support Unit  
19-21 Broad Street | St Helier | Jersey | JE2 3RR

[cid:image003.png@01D4BFD1.20E42640]

From: Andrew Scate  
Sent: 16 April 2019 14:06  
To: [REDACTED]  
Cc: [REDACTED]  
Subject: RE: Briefing for Planning Minister

Hi [REDACTED]

I've copied in [REDACTED] to schedule with the Env Minister, maybe using a Thursday morning regular ministerial meeting?

Kr  
Andy

From: [REDACTED]  
Sent: 02 April 2019 16:50  
To: Andrew Scate <A.Scate@gov.je-mailto:A.Scate@gov.je>>  
Cc: [REDACTED]  
Subject: Briefing for Planning Minister

Hi Andy,

I hope that you are well. You mentioned a meeting with the Planning Minister and Deputy Minister and the production of a briefing paper / slide pack. Do you have a date in mind for the meeting? It would be good to programme in any work that's needed for any briefing.

Kind regards

[Redacted]

Telecoms Policy Advisor

Direct: [Redacted]

Mobile: [Redacted]

Government of Jersey

Office of the Chief Executive | Financial Services and Digital Economy

[Redacted]

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----- End Of Message -----

## Message 10

**Message Key:** 000314B0A66250134EC0C9AA31FCC72E7FB60467  
**From:** [REDACTED]  
**To:** j.young@gov.je  
**Subject:** Invitation to be present during 4G Cell Mast Emission Testing  
**Date:** Wednesday, May 08, 2019 09:39 UTC



Dear Sir

As you know there has been an increase in the mainstream media coverage of 5G and some concerns have been raised amongst certain groups as to its safety and possible long term health effects.

I am undertaking a 4G mast emission survey on Jersey later this month with the assistance of an independent EMF consultant from the UK and as part of the process the survey will be filmed and later edited and released to the general public via social media and the press.

I would very much like to invite you to witness the mast emission survey that we are conducting at various places in Jersey as this may be of interest to you?

My main concern is with 5G but obviously there is no way for us to test these emissions at present but I will be doing a comparative study once 5G is implemented.

I would also like to request that someone from JT could make themselves available to answer any technical and practical questions relating to the implementation on 5G in Jersey as there seems to be a lot of very emotional and unsubstantiated claims being made about the technology that quite easily be cleared up with the correct information being circulated.

The testing is to be carried out on May 31st and if you would like to attend all or part of the day then please let me know so that I can inform you of the details closer to the time.

Warmest Regards

[REDACTED]

[REDACTED]

----- End Of Message -----



## Message 11

**Message Key:** 000314B076FF9DFA30E7F1D18F408CAA9B77EFF2

**From:** Stewart Petrie <S.petrie@gov.je>  
**To:** [REDACTED] e>, John Young <J.Young@gov.je>  
**Subject:** RE: Question About 5G Safety Tests In Jersey  
**Date:** Tuesday, June 18, 2019 09:27 UTC



Thanks [REDACTED]

We will be responding. We have a meeting this afternoon to discuss 5G further. I will ensure everyone is copied in.

Regards

Stewart

**From:** [REDACTED]  
**Sent:** 18 June 2019 10:25  
**To:** John Young <J.Young@gov.je>; Stewart Petrie <S.petrie@gov.je>  
**Cc:** [REDACTED] >  
**Subject:** RE: Question About 5G Safety Tests In Jersey

Hi Stewart

The original email below is addressed to Environmental Health, so I presume you or your team will be responding to [REDACTED].

Here is some text used in responding to a similar query late last year. This may be of help.

Regards

[REDACTED]

The adoption and roll out of 5G mobile in Jersey is in the early stages. I can assure you that the States of Jersey, regulators and network operators consider matters of public safety extremely seriously and we will ensure that the roll out of 5G is safe and meets recognised international standards. 5G networks in Jersey will be regulated by the Channel Islands Competition & Regulatory Authorities (CICRA), and all mobile masts (current and future) need to adhere to health and safety emission limits prescribed by the International Commission on Non-Ionizing Radiation Protection (ICNIRP). These emission standards are recognised by the World Health Organisation (WHO) and are used within the European Union and other regions.

It may reassure you to know that CICRA already audit Jersey's mobile telecom operators mobile masts and all of these operate within the ICNIRP safe limits. Details of the latest audit can be found here: <https://www.cicra.gg/telecoms-masts/>

I hope the above is of some help and thanks again for contacting me.

**From:** [REDACTED]  
**Sent:** 16 June 2019 11:14  
**To:** Environmental Health <environmentalhealth@gov.je<mailto:environmentalhealth@gov.je>>  
**Cc:** John Le Fondré <J.LeF@gov.je<mailto:J.LeF@gov.je>>; Lyndon Farnham <L.Farnham@gov.je<mailto:L.Farnham@gov.je>>; John Young <J.Young@gov.je<mailto:J.Young@gov.je>>; Simon Crowcroft <S.Crowcroft@gov.je<mailto:S.Crowcroft@gov.je>>  
**Subject:** Question About 5G Safety Tests In Jersey

Dear Sir or Madam,

I wonder if you could please answer a very simple question for me?

As I'm sure you're aware the roll-out of 5G will soon begin across the island. As I'm sure you're also aware, 5G is a very different technology to the current 4G network, despite the name suggesting it's a mere advancement of the same.

In 2011 the International Agency for Research on Cancer (IARC) classified radiofrequency electromagnetic fields created by mobile phone technology as being possibly carcinogenic to humans (Group 2B), "a category used when a causal association is considered credible"; [https://www.iarc.fr/wp-content/uploads/2018/07/pr208\\_E.pdf](https://www.iarc.fr/wp-content/uploads/2018/07/pr208_E.pdf)

Please correct me if I'm wrong, but I believe the Government of Jersey employed no independant testing in regards of potential health dangers with the first generation mobile phone network roll-out, undertaken a few years prior to the IARC announcement. With which in mind, I feel compelled to ask what independant testing have the island's authorities undertaken in respect of potential 5G health dangers?

As a secondary question; by default, if this technology is implemented without testing then islanders are without choice being used as guinea pigs, test subjects. Be that the case, who will be legally respons ble should there later turn out to be detrimental health effects from 5G?

Thank you very much in advance for your reply.



----- End Of Message -----