

Speech: Defence Secretary's speech at Cyber 2017 Chatham House Conference

Good afternoon, and thank you again to Chatham House for putting on this very timely event at a timely moment. Last Friday we saw the United Kingdom hit by yet another cyber attack, this time directed against our Parliamentary IT facilities.

Investigations so far have found that the hackers were attempting to carry out a sustained and determined attack on all parliamentary user accounts in an attempt to identify weak passwords and to gain access to users' emails.

Immediate steps have been taken to address that particular problem.

It has meant that some Members of Parliament and staff have been temporarily unable to access their email accounts outside of Westminster.

As MPs, some have been unable to answer constituents' emails on a Sunday, and we've had to live with that.

Since then, the National Cyber Security Centre has been working around the clock with our UK Parliamentary Digital service to understand the nature of the attack, to contain it, and to put in place mitigation measures to prevent possible future breaches.

Now, this latest attack is far away from being an isolated incident. It follows hot on the heels of the Wannacry virus that didn't just shut down NHS operating theatres, but in the end affected more than 200,000 people over 150 different countries. So here was yet more evidence that cyber is a truly global phenomenon, evidence that has been piling up following the attacks on Germany's lower house of Parliament.

Bulgaria has also suffered, and I quote from them, according to their President, "the heaviest and most intense cyber attack...conducted in south-east Europe." And of course, there have been attacks on America, with the United States Office of the Director of National Intelligence concluding that Russia had targeted the Presidential election.

I quote, its "intelligence services conducted cyber operations against targets associated with the 2016 US presidential election, including targets associated with both major US political parties."

All these attacks point to our adversaries becoming more diverse, becoming better at what they do, and becoming more adept at using virtual attacks to inflict very real damage. One in five British businesses has been hacked by cyber criminals in the last year according to the British Chambers of Commerce. Analysts put the cost to our economy already in the billions, while it's been estimated that the United States lose up to 3 per cent of GDP to Intellectual Property theft.

For the military, the consequences of cyber disruption are equally devastating. Reuters has reported that Russia used malware implants on Android devices to track and target Ukrainian artillery. That's why back in the 2015 Strategic Defence and Security Review we put cyber up there with terror and major natural hazards as a Tier One threat to this country. To date, alarming as some these attacks have been, our people have proved equal to the task of defending against them. Fewer than 1 per cent of the 9,000 email accounts on the parliamentary network were compromised. But there is absolutely no complacency here.

We are investing a huge chunk of money – some £1.9bn – into boosting our cyber security. And Defence, in particular, has a three-fold role to play in this national cyber security effort.

Keeping our house in order

First and foremost, we're keeping our digital house in order. We're not just working closely with the National Cyber Security Centre to ensure that our military and civilian systems are robust.

We have networks of information risk and asset owners embedded in our organisation to properly police data and to deal with problems.

And we are encouraging all our staff to observe good cyber etiquette.

They must now complete mandatory information handling refresher training annually and they must take personal responsibility for their data.

We're also doing more to recruit the cyber savvy. There's our cyber reservists, experts from industry and academia who are putting their high tech skills at the service of the nation by weeding out network vulnerabilities. At the same time, we're building up a new 21st century Cyber Corps, a band of expert volunteers, leaders in industry, who are going to advise us on how to keep ahead in the cyber space race. Finally, cyber is becoming now a core part of our military training. In January, we will open a dedicated state-of-the-art Defence Cyber School at Shrivenham, bringing together all our military joint cyber training into one place. And we look forward to that first class of 2018 emerging with the digital X-factor to transform our future cyber capability.

Creating a culture of resilience

Second, the interconnected nature of the web, the way it blurs the boundaries between military and civilian, between public and private, means we all have a responsibility to look after ourselves online.

A stronger password here, a Windows update there, and we would have stood an even better chance of warding off the Parliamentary and Wannacry attacks. So my second point is that the MOD has a key role to play in contributing to a culture of resilience. That's why we set up the Defence Cyber Partnership Programme (DCPP) to ensure that companies with whom we have defence contracts are properly protecting themselves and meeting a host of cyber

security standards.

Strengthening our deterrence

But there's a third way in which we can protect our national infrastructure, and that's by strengthening our deterrence. So we're using our rising budget to invest our £178bn in full spectrum capability, from carriers to Ajax armoured vehicles, fifth generation F35 to the latest UAVs, signalling to potential cyber strikers that the price of an online attack could invite a response from any domain, air, land, sea or cyber space. And when it comes to the latter, we're making sure that offensive cyber is now an integral part of our arsenal. We now have the skills to expose cyber criminals, to them hunt down and to prosecute them, to respond in kind to any assault at a time of our choosing.

Our National Offensive Cyber Planning allows us to integrate cyber into all our military operations. And I can confirm that we are now using offensive cyber routinely in the war against Daesh, not only in Iraq but also in the campaign to liberate Raqqa and other towns on the Euphrates. Offensive cyber there is already beginning to have a major effect on degrading Daesh's capabilities.

We're determined as a coalition to maintain our advantage in this arena and that is why we are investing with our allies in the sort of kit capable of data use.

To help create a picture of the virtual battlefield we have recently here in the United Kingdom launched a multimillion pound competition to develop machine learning algorithms and Artificial Intelligence which will assimilate this wealth of new data and will free up our personnel to deliver a more coordinated, targeted response. The first contracts from that investment have already been awarded to a variety of UK suppliers including from academia and innovative micro-scale businesses and other SMEs, all of whom are working on a range of solutions from rapid sensor integration to predictive cognitive control systems.

International partnerships

Cyber deterrence is obviously stronger when we stand together with our like-minded allies. And that's why we're working hard, in particular, to get NATO, the bedrock of our security, to do more to defend effectively online.

At last year's Warsaw summit we achieved a breakthrough in getting the Alliance to recognise cyber as a distinctive domain of operations. We also succeeded in persuading NATO nations to sign the cyber pledge, committing Allies to enhance their national defences as a priority and to strengthen their capability, collectively and individually, to resist cyber attacks in any form. There remains work to be done to share our data to deal with major incidents together and to improve the underlying infrastructure of the Internet. At the same time, we will also need new doctrine to clarify our response within NATO to anonymous cyber activity which often takes place now in that grey zone below the previously understood threshold of war.

And all the while we are developing the effects, covert and overt, cognitive and physical, to help provide a proportionate response to those cyber attacks.

But Alliance effectiveness in the virtual world would be immeasurably enhanced if national capabilities were made ready to deploy in support of NATO operations. So having honed our own UK pioneering cyber techniques against Daesh in Iraq and Syria, I can confirm today that United Kingdom is ready to become one of the first NATO members to publicly offer such support to NATO operations as and when required. ### Conclusion

So let me say in conclusion that cyber is a serious problem. It is a growing problem. But my message to you is that Government here and Defence, in particular, is on the case. Over the next few years we're going to be redoubling our efforts to strengthen our resilience against our adversaries, to strengthen our hand against our cyber adversaries and to ensure those who mean to do our country harm, offline or online, have nowhere to hide.

Speech: CDU Economic Council Annual Conference: Chancellor's words

It is an honour to speak at the annual gathering of The Economic Council of the CDU which for 54 years has promoted a social market economy based on the values and ideas of Ludwig Erhard.

Erhard said, "Ein Kompromiß, ist die Kunst, einen Kuchen so zu teilen, daß jeder meint, er habe das größte Stück bekommen."

[Translation: "a compromise is the art of dividing a cake in such a way that everyone believes he has the biggest piece."]

Wise words with some applicability to the Brexit negotiations although I try to discourage talk of "cake" amongst my colleagues.

For if we get the negotiations between the UK and the European Union right and reach a deal that protects jobs, business, and prosperity across the continent of Europe by maintaining trade flows, and avoiding dangerous cliff edges, then we can maximise the size of the cake and each enjoy a bigger piece.

Erhard also said "Without Britain, Europe would remain only a torso" and that is also pertinent to my message that while Britain may be leaving the political structures of the European Union we are not leaving Europe.

And I believe Britain and the EU still have much to offer each other in a future as partners.

Global Context

So we will seek to forge a new relationship between the European Union and the United Kingdom based on our shared history and shared values in order that we can continue to tackle the common challenges that our continent faces.

And of course these go far beyond the narrow focus of Brexit.

With questions over Europe's future security, an emboldened Russia, the evolving threat of terrorism that has tragically affected us all in recent times, climate change or the challenge of irregular migration, which could re-emerge at any time, on a scale that could again threaten to destabilise our societies.

And challenges facing us in Europe are set in the context of a mixed outlook for the global economy.

The signals are that global growth, including in Europe, is recovering but risks clearly remain.

A slowing Chinese economy, with an unwinding credit boom, a weaker outlook in Latin America and the Middle East and growing sentiment in the developed economies that questions the conventional wisdom of free trade and globalisation and perhaps of market economics and sound money.

As policymakers, we have to recognise and respond to, this growing anxiety amongst some of our citizens about the pace of change in the economy.

It is clear to me that our policy response must be to complement our efforts to boost overall growth with policies that ensure that the benefits of growth are felt more widely in our societies.

For instance, in Britain, we are following Germany's clear example and investing in an overhaul of our technical education system to give more of our young people the skills to succeed, and to raise our productive potential. All of us in the advanced economies have benefited from globalisation and free trade.

But ordinary working families do not always feel they have shared in the benefits.

Much of the thrust of globalisation has focused on the removal of barriers to trade in goods.

But the UK economy is 80% services the Eurozone is 73% services.

And this means that our economies have not necessarily reaped the full benefits in those sectors where many of us have our greatest competitive strength.

So we should work together in the G20 and other multilateral fora to lead a global push for the liberalisation of services trade.

And we should employ the same logic in our efforts to agree a bold and ambitious free-trade agreement between the UK and the EU that covers both goods and services.

Brexit

I campaigned and voted for Britain to remain in the EU.

But I am a democrat and I accept the decision of the British people.

My whole focus now is seeking to ensure that we maintain a close and mutually beneficial relationship between the EU and a UK which is outside the EU.

The truth is, Britain has never been signed up to deep political integration with the European Union – our different histories have perhaps led us to a different concept of the role of the European Union.

But despite that, we are like-minded in so many ways, and have shared values and a shared view of the world – our economy is firmly in the European mainstream, and it is our ardent wish to be able to keep it anchored there. Last Thursday, marked a year since the British people voted to leave the European Union.

They voted to be outside of the EU's political structures but not to turn their backs on Europe.

They voted to regain control of our borders, not to shut down the flow of people that are the lifeblood of our economy, but to be able to manage it.

They decided that the European Union and its plans for further integration were not for them but we wish our neighbours well as they take that project forward – clear that it is in Britain's interest that the EU should be a successful, growing, bloc, with a strong currency and a confident outlook on the world.

And there is every reason why Europe should feel confident.

Economies across Europe are recovering – Eurozone growth is at a two year high, unemployment is at its lowest since 2009 and recent elections have not seen a breakthrough from populist parties, of left or right, as many had predicted just a year ago.

But we should not be complacent about the risks ahead, our economies are not so strong that they can afford to be exposed unnecessarily to economic and financial stability risks and, in particular, the risks surrounding the outcome of our negotiations for Britain's departure from the European Union.

People in this room will understand the importance of reaching an outcome that supports our shared prosperity – for it was Britain and Germany's economies that powered Europe out of the financial crisis – between us we have been responsible for over half of all economic growth in the EU since 2010 and created more than three-quarters of all new jobs.

Our economies were the two fastest growing in the G7 last year – you pipped us to the post in Q4 – although beating us through the rounding of the growth rate is a bit like beating us in the World Cup on penalties!

And it is my hope that the economic partnership and longstanding friendship between our two countries – that has helped bring about peace, security, and prosperity on this continent for over seventy years – can be mobilised to support our common goal of a deep, special, and mutually beneficial partnership between the EU and the UK. But the risk of a bad outcome that does not promote jobs, growth, and prosperity is a real one.

Not just for the UK economy...but for the EU economy.

The UK represents almost 13 percent of the population of the EU and 16 percent of its GDP.

That's a significant part of the European marketplace.

And it is clear to me that ensuring that businesses can continue to operate across that whole marketplace after Brexit is essential to securing prosperity and growth on both sides of the channel and indeed both sides of the Irish border.

Risks

For me, there are two key risks that threaten this future.

The first is an outcome risk: that somehow we allow petty politics to interfere with economic logic, and we end up with a suboptimal solution that fails to maximise our mutual benefit.

The second is a process risk: that we cannot agree, at an appropriate stage, transitional arrangements to get to the new relationship without damaging business confidence and disrupting cross-border trade and investment along the way.

In other words the risk of a “cliff-edge”.

So how can we avoid these risks?

By focusing relentlessly on the key deliverables:

First, the future partnership must allow continued trade in goods and services to allow the complex supply chains and business relationships that crisscross our continent to continue to deliver value because businesses across Europe rely on free trade and all our citizens rely on the benefits of this free trade –greater choice, lower prices, and more jobs.

Second, we in the UK acknowledge that, as Britain moves out of the jurisdiction of EU law, there will be genuine and reasonable concerns among our EU colleagues, about things like the oversight and supervision of cross-border financial markets.

There are good examples of cross-border collaboration on Financial Services supervision around the world. We will engage, in a spirit of sincere cooperation, with all genuine concerns expressed by our EU neighbours to agree a cooperative supervisory structure based on international best practice.

Third, the outcome must protect citizens' rights – both EU citizens in the UK and British citizens in the EU.

Last week the Prime Minister set out our offer to the 3 million plus EU citizens living in the UK – offering full rights and access on the same terms as British citizens to those who have lived in the UK for five years or who have arrived more recently and are going to stay – and I hope we can get the same certainty for the more than one million UK citizens who are living in the European Union.

And fourth, as we move, hopefully, to a long-term partnership, based on comprehensive free trade in goods and services and a customs agreement that minimises friction at the border, we do so via a transition that protects the free-flow of trade across our borders and the integrity of pan-European supply chains.

So it means reaching a shared understanding, as early as possible, on what the future relationship should look like and how we get there.

Because businesses and citizens in the UK and across the EU need to know the shape of that future relationship; They need to have confidence there will be a smooth and orderly path to the new arrangements rather than a disruptive and dangerous cliff edge.

Whether it is the British importer renewing a contract with a French component supplier, the German car exporter investing in its UK distribution network, the Dutch grower who is making a contract with a British supermarket chain or the Italian electricity company hedging its exposures through London's financial markets, they all need certainty, well ahead of time, that they won't have tariffs suddenly imposed on them, part-way through their contracts or that their shipments won't face customs delays and bureaucratic costs or that the enforceability of their contracts will not be called into question.

Early agreement on these transitional arrangements so that trade between our countries can carry on flowing smoothly will reduce uncertainty, unlock investment decisions, instil business confidence and protect jobs and prosperity, in Britain, in Germany and across this continent.

Last week we began the formal process of negotiating our exit from the European Union and we will progress them in a spirit of sincere cooperation.

We cannot dwell on the past, on what might have been.

We must focus on the future on the opportunities that lie ahead for all of us.

On the prize of an open, tolerant and free-trading world order while mindful of the risks, to both sides, of not reaching a good outcome.

I am confident that with the political will to run with the economic logic we will reach an arrangement that puts jobs and prosperity first, that keeps our markets for goods and services and capital open, that achieves early agreement on transitional arrangements and delivers an outcome that increases the size of the cake for all.

Because in the end, the question is not whether to have cake, or eat it or even who has the largest slice, the question that matters is whether we can be smart enough to work out how to continue collaborating together, to keep the cake expanding, for the benefit of all.

News story: Traffic officers rescue family swanning around on M20

A couple of swans and their six cygnets were spotted wandering the hard shoulder of the M20 near junction 4, with the A228 at Larkfield in Kent, likely trying to get to the lake on the far side.

Traffic officers Nick Sivell and Roy Roberts, assisted by their colleagues Lee Turner and Mike Peterson, along with RSPCA animal collection officer Emma Byrne, flew into action to help the family get to safety after they were alerted to the birds' blunder by Kent Police.

The swans made a break for freedom but faced a perilous situation as they looked to wing it up the junction 4 exit slip road for London.

The traffic officers swiftly stopped drivers on the slip road and motorway to avoid an accident, while the RSPCA's Emma Byrne was able to scoop up the birds before they could waddle into any more woe. Those involved managed to ensure the swan family stayed to-feather and were successfully relocated to nearby Leybourne Lakes.

Traffic officer Nick Sivell said:

This is a hugely varied job and you come across all manner of different issues. Although they are usually to do with drivers, sometimes we face challenges like this involving animals.

It was certainly interesting having to help chaperone the swan family to safety, and I want to thank my colleagues and partners involved to ensure we could resolve this swiftly and successfully. We're not too sure what they were doing, and think they may have

been trying to get to the lake because they were feeling peckish. Hopefully if the birds decide they need to cross a busy road in the future, they'll cygnal properly and use the flyover next time.

RSPCA animal collection officer, Emma Byrne, said:

I'd like to say a big thank you to Highways England for assisting with this rescue. As the swans were on a busy motorway I wouldn't have been able to reach them without their assistance. Luckily, Highways England was able to stop traffic so that we could reach the family of swans.

The male had some wire round his leg which I removed but apart from this they were all in a good condition. We have no idea how or why they ended up on the London-bound carriageway of the M20 but I'm so glad that this story had a happy ending and after being checked over I was able to release them at an appropriate site.

For the latest information on these works including closures and diversions details, follow us on Twitter – @HighwaysSEAST.

Press release: New Chief Scientific Advisor appointed by the MMO

Professor Selina Stead of Newcastle University has been appointed Chief Scientific Advisor (CSA) to the Marine Management Organisation (MMO) it has been announced.

Prof. Stead is [Dean, Public Orator and Professor of Marine Governance and Environmental Sciences at Newcastle University](#) and has held a number of senior marine-related appointments.

She joins the MMO with a wealth of skills and experience having worked on developing innovative marine policy programmes underpinned by interdisciplinary statistical evidence. In her work at Newcastle University she combines natural and social science methods and leads international teams to tackle complex problems such as poverty in coastal areas and marine food insecurity.

Her current and recent research spans marine science and governance of coral reef ecosystems; fisheries management and piracy in East Africa, Oman, Somalia and the UK; sea cucumber biology in South Africa; seaweed aquaculture in Malaysia; community based management in Nigeria, and; marine governance of Small Island Developing States in the Caribbean, Southeast Asia, South

Pacific, and the western Indian Ocean.

The post is part-time and Prof. Stead will continue working independently in her outside career to encourage sharing of the latest thinking and learning in marine science, subject to the usual conflict of interest criteria.

Professor Selina Stead, Chief Scientific Advisor to the MMO, said:

I have my dream job as a marine biologist. I have a passionate belief that seas and oceans should be accessible to all.

My career aims are to improve how and why decisions are made for sustainable marine resource management. I look forward to progressing these with the MMO.

John Tuckett, Chief Executive of the MMO, said:

I'm pleased to welcome Professor Stead to the MMO. Her wealth of knowledge and experience will be of great benefit to our ambitions for the future of marine management in UK waters and beyond.

This appointment also represents our commitment to further strengthening our links with the marine science and academic community.

Professor Stead takes up post in June 2017, succeeding Stuart Rogers, Chief Scientist and Executive Director of the Centre for Environment, Fisheries and Aquaculture Science (Cefas), who fulfilled the role from Spring 2016.

More details about Selina's background and experience are available on [the MMO's website](#).

The MMO is a non-departmental public body. It licences, regulates and plans marine activities in the seas around England so that they're carried out in a sustainable way. The MMO is required by the [Marine and Coastal Access Act 2009](#) to appoint a CSA.

News story: Parents urged to check prom limo hire is safe and legal

Hiring a vehicle and driver that hasn't been properly vetted and licensed could put your child and their friends at risk. The driver may not have had a criminal record check or the vehicle may not be roadworthy.

In the last 6 years, DVSA has impounded 31 unsafe limos and crushed 20.

Checks to carry out when hiring a limo

You can carry out simple checks to make sure that the limo you book is safe and legal. The checks you need to do depend on how many passenger seats the limo has.

Companies hiring out a limo with 9 passenger seats or more must have a [public service vehicle \(PSV\) operator licence](#).

You can [check if they have an operator licence](#) online.

If they don't have one, they're operating illegally. [Report this to DVSA](#) and they can investigate the company.

Taking action against companies operating illegally

DVSA can take limos being used by companies without a licence off the road to prevent them from operating unlawfully.

DVSA enforcement officers can also stop companies with licences from operating if they find:

- serious mechanical defects on the limo
- the driver has driven more than the number of hours they're allowed to without proper breaks

DVSA also regularly carries out joint operations with the police who can seize a vehicle if it's not properly licensed and insured.

Protecting you from unsafe drivers and vehicles

DVSA Chief Executive, Gareth Llewellyn, said:

DVSA is committed to protecting you from unsafe drivers and vehicles. We know parents want to keep their children safe but rogue limousine operators working outside of the law are putting them at risk.

We will not hesitate to take action against cowboy operators who risk the lives of young people and other road users. This could include seizing limousines and referring operators to the traffic commissioners, who have the power to take away their licence.

Senior Traffic Commissioner for Great Britain, Richard Turfitt, said:

Unlicensed operators are not insured to carry passengers. There are good, responsible limousine operators in the industry but those who

don't have a licence to operate are likely to be running vehicles with defects that are potentially dangerous.

That is why traffic commissioners fully support DVSA's advice to parents to be aware of the dangers posed by unsafe limousines and check on GOV.UK whether the operator they plan to use is properly licensed.

National Limousine and Chauffeur Association Legislation Officer, Bill Bowling, said:

The safety of your passengers is paramount to us and we ask that parents ensure that the company they use is properly licensed and insured.

Many people are being taken to their prom in unlicensed and therefore uninsured wedding cars or novelty vehicles.

Our members are all properly vetted and licensed and are there to ensure the safety of your family and friends.

Be safe, not sorry.