

## [News story: Armed Forces Minister reinforces UK support to Gibraltar](#)

He will meet Gibraltar Chief Minister, Fabian Picardo, Deputy Governor, Nick Pyle OBE, as well as service personnel stationed in the UK overseas territory as part of a visit to discuss Brexit and the role of the UK's military in Gibraltar.

Minister for the Armed Forces, Mark Lancaster, said:

Gibraltar is of great importance to the UK, our Armed Forces and our allies. It has provided vital assistance to operations and exercises over the years, perhaps best demonstrated by the recent support to the UK's hurricane relief effort in the Caribbean.

We are absolutely steadfast in our support of Gibraltar, its people and its economy and will fully involve Gibraltar as we prepare to exit the European Union.

In meetings with the Deputy Governor and The Chief Minister, Mark Lancaster will stress the UK's commitment to upholding Gibraltar's sovereignty as well as ensuring that their priorities are taken properly into account as the UK prepares to leave the EU.

Whilst in Gibraltar, Mr Lancaster will also attend an event recognising the important role that personnel stationed there played as part of the UK military response to Hurricane Irma. They delivered vital assistance to HMS Ocean as she docked to load humanitarian aid and disaster relief before sailing to the Caribbean Islands to assist those devastated by the hurricane.

He will also meet with Royal Navy Gibraltar Squadron who support British military activity in the region, providing force protection for visiting allied warships as well as upholding the sovereignty of British Gibraltar territorial waters.

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## [Speech: Global MilSatCom conference 2017](#)

Let me begin by saying what a great privilege it is to speak at this conference. I am sure Harriet Baldwin would have expressed a similar sentiment if she not been obliged to attend to pressing business overseas,

for which I apologise on her behalf.

As an arts graduate, I cannot profess to be a leading expert on orbital mechanics. But I am an enthusiast for space, and have been so since, as a 10 year old, I was taken by my parents to a mountain top in Fiji, where we then lived, to watch the re-entry of an Apollo mission. This was a magical experience for me. Not only was this a shooting star with men in it, as it appeared to me, but I realised that it was a very significant moment because my parents awoke my sister and I at one am to begin the journey to the mountain, an hour of the day I had never seen before!

And later in my life, as a tank soldier prone to getting lost at night, trying to read a map with a red torch and red contour lines, I marvelled and thanked the Lord for the arrival of GPS navigation. Still later, as a Brigade Commander in Iraq, I was hugely grateful for what satellite communications could do for us.

So I'm pleased to now find myself as the commander of the UK's Joint Forces Command, responsible, amongst other things, for C4ISR, including cyber, special forces, and joint warfighting, because I am in a position to put my enthusiasm and belief in space to good use.

The UK has been a space faring nation for decades. We launched the first Skynet satellite in 1969. Since then, you and your colleagues have built a thriving space industry, generating a turnover of £14 billion a year and employing about 40,000 people in the UK.

The UK is a world leader in certain technologies: 40% of the world's small satellites are built in the UK, and a quarter of the world's telecommunication satellites. And the space systems and services generated by the UK space sector support a wide range of applications across wider society: more than £250 billion of our gross domestic product is supported by satellite services.

Satellites are the reason we can make mobile phone calls, take money from cash machines, ensure our emergency services get to where they need to, and a whole range of activities vital to our daily lives.

Defence is just as dependent. More than 90% of the platforms and systems that constitute the UK military equipment programme are dependent on space to some degree. It is space based capability, much of it benefitting from US investment, that has enabled modern information warfare and precision attack. It is this dependence, combined with our appreciation of the growing threats and hazards, which has led us to increase the attention we are giving to space.

How are the risks increasing? From both natural and manmade sources. There are the dangers of 'space debris', remains of previous spacecraft orbiting the Earth that travel at speeds of up to 17,500 miles per hour, and environmental hazards like geomagnetic storms, which can damage Earth orbiting satellites.

We also have to recognise that potential adversaries see the reliance on space by the UK and our allies as an important vulnerability, and are developing weapons that can exploit that vulnerability. Russia and China have both admitted to developing direct ascent anti-satellite missiles.

This should concern all of us: the testing of such weapons in 2007 by the Chinese government created at least 2,000 pieces of space debris, threatening the sustainability of this shared domain.

But there are positive changes taking place as well, principally around commercial investment in space related R&D. As in the field of micro-electronics, it is no longer governments and defence departments who are driving innovation, and this is leading to greater accessibility and lower costs. Which is good, because our demand for space services continues to increase.

Be it new launch capabilities, mega-constellations, or satellites that provide on orbit repair and refuelling, the space market is evolving in a way that opens up new opportunities for the further exploitation of space.

As this market continues to develop, we will work together to ensure the continued security of the space domain. We cannot take this for granted: our dependence is great and growing, and the space environment becomes progressively congested and competitive. Gone are the days when we could launch satellites into space and expect them to operate unchallenged.

Our government recognises the vital importance of working closely with industry on these matters. That is why it published a National Space Policy and acknowledged the importance of space to our prosperity and security in the 2015 Strategic Defence and Security Review.

This included a number of commitments. One was to invest in space surveillance capability, enabling us to further assess space threats, risks and events, both natural and man made. Another was to invest in multi-signal satellite navigation receivers, which will enhance the resilience of the armed forces and emergency services to the loss or disruption of GPS service. And a third was the commitment to enhance our Space Operations Centre and invest in a ballistic missile defence radar that would also enhance our space situational awareness.

As we develop our strategy and capabilities in response to these changes, we will look to secure our freedom of action in, to and from space, fully exploiting its military and civil potential. The emerging themes of our space strategy are as follows:

- optimising space support to the front line, making sure our forces can absolutely depend on getting the services they need
- enhancing the protection and resilience of space based assets, keeping safe the space assets that underpin our military and civil national security, and
- complementing cross-government space activity, to maximise the opportunities that arise from coordinating matters of security and

prosperity

Nick Ayling will elaborate on these points in the next session, and Air Commodore Nick Hay will discuss in more detail how this applies to our future military satellite communications capability. So let me finish by highlighting the overarching importance of strong relationships to the delivery of our ambitions.

We must work closely with our industrial partners in the space sector to exploit innovative emerging technologies.

We must work closely with our allies, following the principles of “international by design” to deliver joint force advantage in space, much like we do in every other domain.

As with every other aspect of Britain’s safety and security, it depends not just on our own efforts, but on working with our allies to manage common threats and hazards that face us all. And this is at least as true in space as anywhere else.

Our relationship with the US on space has traditionally been close: the radar at Fylingdales has long contributed to US led networks. And as we develop the next generation of Skynet we will ensure it is as interoperable as possible with US and allied systems. This will be made possible by the framework provided by the Combined Space Operations initiative, through which we are seeking a safe, secure and resilient space environment.

And the UK’s departure from the European Union will not prevent us from working with our European neighbours on matter of space security. As well as working bilaterally with member states, the UK will seek the closest possible participation in EU space programmes such as Galileo, commensurate with the contribution that UK government and industry has made to date, and where we can continue to add real value.

In conclusion, space offers great opportunities. But the strategic context is much like it is here on Earth: becoming less certain, with increasing threats that will take skill and commitment to manage successfully. And that is what we must do. You must judge us by our actions rather than our words as we pursue these goals, but I very much hope you will work closely with us, and our allies as we seek to protect our interests and enhance our capabilities.

I look forward to our continued close working between defence and industry on military programmes, particularly Skynet 6.

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[\*\*News story: UK steps up commitment to\*\*](#)

## European security

Speaking at the NATO Defence Ministerial in Brussels, Gavin Williamson will commit four RAF Typhoons to the Southern Air Policing mission in Romania next summer. Following a successful rotation last summer, the fast jets will be redeployed to the country, working with our Romanian allies to police the Black Sea skies.

Marking a further commitment to Europe, the Defence Secretary will announce that the UK is stepping up in the Western Balkans. In addition to the troops already based in Kosovo, supporting peace in the country, and our contribution to the EU's Op Althea in Bosnia and Herzegovina, from next year a Battalion will be held at high readiness to respond to any situation in the region. This will see 600 soldiers ready to move into the region at short notice.

Defence Secretary Gavin Williamson said:

In the face of an increasingly assertive Russia, the UK has significantly stepped up its commitment to Europe and today I can confirm a further package of support, showing how we remain at the forefront on European security.

We are standing by our allies across air; deploying Typhoons to Southern Air Policing in Romania, land; increasing our support to the Kosovo peacekeeping operation, and sea; with HMS Ocean returning to the NATO Standing Maritime Group.

The Defence Secretary will also welcome the return of HMS Ocean to one of NATO's Standing Maritime groups, following its redeployment to the Caribbean to help in the hurricane recovery.

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## Coningsby Typhoons train in Estonia

Four Typhoons from 3 (Fighter) Squadron have this week been undertaking Air-Land Integration training with the NATO Enhanced Forward Presence battlegroup in Estonia.

The aircraft based at RAF Coningsby have been operating with the British Army Battlegroup currently deployed in Estonia. The training focused on working with the Joint Terminal Attack Controllers and those of NATO allies; Estonia, Latvia and Slovenia.



Joint Terminal Attack Controllers usually known just as JTACs are personnel who are able to direct the action of combat aircraft engaged in close air support and other offensive air operations from a forward position on the ground.

The training has also gave the pilots flying time over an unusual and challenging environment, whilst continuing to build upon strong relationships between the UK and other allied NATO nations.

The UK led multi-national battlegroup, which also has personnel from France and Denmark, is part of the 1st Estonian Infantry Brigade.



It forms part of the wider NATO Enhanced Forward Presence, with multinational forces deployed across the Baltic States and Poland, led by the US, Canada and Germany.

The UK has a further 150 soldiers based in Poland, part of the US led battlegroup and RAF Typhoons have recently completed a four month deployment to Romania, patrolling the Black Sea skies.

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## [News story: Statement from Defence Secretary, Gavin Williamson](#)

Defence Secretary, Gavin Williamson, said:

I am both honoured and excited to have been appointed Defence Secretary. I have always had the greatest admiration for the professionalism and valour of all those who serve in our country's Armed Forces.

The United Kingdom faces rising threats in a worsening international security situation, making Defence's work all the more important. It is imperative that we continue to take the fight to Daesh and keep Britain safe. As we leave the European Union, and forge a new Global Britain, Defence has the opportunity to deepen old friendships and contribute to building new ones around the world.

I am determined to ensure that the Armed Forces receive the recognition they deserve for the great work they do, including through the Armed Forces Covenant, and that they evolve both to meet the changing threats that we face, and to ensure that they properly represent the modern society that they defend.