













EVENT AGENDA

DAY 1: CYBERUK STRATEGY


TUESDAY 14 MARCH 2017










TIME	ACTIVITY			
09:00	Delegate Registration – Exhibition Opens			
10:10	Plenary Session, 1A Upper Level CYBERUK Strategy Chair's Welcome			
10.10 – 10.30	Plenary Session, 1A Upper Level Interview with Key GCHQ Senior Key GCHQ Senior interviewed by Lionel Barber, Editor of the Financial Times			
10:30 – 10:40	Plenary Session, 1A Upper Level Government Keynote Address Conrad Prince, Cyber Security Ambassador, Department of International Trade			
10:40 – 10:50	Plenary Session, 1A Upper Level Industry Keynote Address Jennifer Walsmith, Vice-President, Integrated National Systems, Northrop Grumman			
10:50 – 11:15	Plenary Conversation, 1A Upper Level Panel Discussion Chaired by Lionel Barber, Editor of the Financial Times.			
11:15 – 11:50	Coffee Break and Exhibition 			
STREAM OBJECTIVES	STREAM 1, 12, Upper Level	STREAM 2, 3B, Upper Level	STREAM 3, 11 B&C, Upper Level	STREAM 4, 3A, Upper Level
	ECONOMY AND SOCIETY	GOVERNMENT AND PUBLIC SECTOR	CRITICAL NATIONAL INFRASTRUCTURE	DEFENCE AND NATIONAL SECURITY
	Reaching out to the wider economy, mainstream business academia and the citizen. Leaders from the information economy and key business segments debate how the NCSC can transform UK cyber resilience.	How is the NCSC helping the public sector secure digital services? How is risk management decision making evolving? How can security be baked into enterprise IT and online services? Case studies reinforces content.	Examining a range of issues related to the cyber security of the UK's Critical National Infrastructure, including threats, lessons from recent incidents, improvement plans, new technologies and the impact of regulation.	Demonstrate solutions and approaches that enable businesses and operations to achieve the outcomes they require in a risk balanced and practical way. Demonstrate how the UK remains a world leader in this space.
STREAMS SESSION ONE	SESSION ONE			
	STREAM 1, 12, Upper Level	STREAM 2, 3B, Upper Level	STREAM 3, 11 B&C, Upper Level	STREAM 4, 3A, Upper Level
	ECONOMY AND SOCIETY	GOVERNMENT AND PUBLIC SECTOR	CRITICAL NATIONAL INFRASTRUCTURE	DEFENCE AND NATIONAL SECURITY
	Delivering Cyber Security for Everyone. Priorities, Partnerships and Prototypes	Protecting the Public Sector: Active Cyber Defence (ACD) Following an opening address by	Emerging Threats and Future Trends Topic 1: Emerging Threat to the Finance Sector	FOXHOUND Showcase Exploring this cross sector Government ICT solution. An interactive, market stall session will showcase this innovative approach to




	<p>Learn about the role, remit and challenges for the NCSC in the 'Economy and Society' context. Looking at specific solutions under development, pop up talks demonstrate new approaches the NCSC is seeking to take.</p> <p>Speakers:</p> <ul style="list-style-type: none"> - Sarah L, NCSC - Simon McCalla, Nominet - Tina H and Andy B, NCSC - Thomas Seilding and Jamie Akhtar, Cyber Smart 	<p>NCSC Technical Director, this session includes lighting pitches by individuals driving seven NCSC ACD projects. It will provide a fascinating insight into NCSC in this area.</p> <p>Speakers:</p> <ul style="list-style-type: none"> - Technical Director, NCSC - Peter W, NCSC - Amy L, NCSC 	<p>Speaker: Matt Rowe, Nationwide</p> <p>Topic 2: Smart Cities and the Internet of Things</p> <p>Speakers:</p> <ul style="list-style-type: none"> - Councillor James Noakes, Liverpool City Council - Lee Omar, Red Ninja Studios <p>Topic 3: The Evolving Cyber Threat</p> <p>Speakers:</p> <ul style="list-style-type: none"> - Colin B, NCSC - Sandra, NCA 	<p>building and deploying a pioneering cross-government IT system.</p> <p>Introduction:</p> <ul style="list-style-type: none"> - Michael Brennan, FOXHOUND Programme Director <p>Speakers:</p> <ul style="list-style-type: none"> - Michael Shryane, Fiona Elliott, David Suttie and Gavin Houtheusen, Cabinet Office - Bryan Hemmings, BEIS - Chris W, NCSC 	
13:00 – 14:15	Networking Lunch & Exhibition				
13:15 – 14:00	CYBERUK STRATEGY WORKSHOPS				
	Workshop 1 3A, Upper Level	Workshop 2 3B, Upper Level	Workshop 3 11 B&C, Upper Level	Workshop 4 4A, Upper Level	
					
14:15 – 15:15	SESSION TWO				
	STREAM 1, 12, Upper Level	STREAM 2, 3B, Upper Level	STREAM 3, 11 B&C, Upper Level	STREAM 4, 3A, Upper Level	
	ECONOMY AND SOCIETY	GOVERNMENT AND PUBLIC SECTOR	CRITICAL NATIONAL INFRASTRUCTURE	DEFENCE AND NATIONAL SECURITY	
	<p>A Hard Sell? Promoting Cyber Security in the UK Retail Industry</p> <p>This session explores how the Economy and Society Team of the NCSC has been supporting the Retail Industry as part of the organisation's new, wider remit.</p> <p>Speakers:</p> <ul style="list-style-type: none"> - Hugo Rosemont, British Retail Consortium - Steve Wright, John Lewis Partnership 	<p>Cloud Services: Myth Busters and a Guide to Asking Intelligent Questions</p> <p>NCSC Cloud experts discuss common questions and misconceptions around using common cloud services. NCSC Technical Director will then share first-hand experience/ lessons learnt moving services to the cloud including developing the NCSC IT platform.</p> <p>Speaker:</p> <ul style="list-style-type: none"> - Technical Director, NCSC 	<p>Post-Ukraine Cyber Incidents: Lessons from the Energy Sector</p> <p>Observations from the recent Ukraine energy sector incidents, including an approach to securing funding for a cyber security improvement programme and scenario driven risk assessment.</p> <p>Speakers:</p> <ul style="list-style-type: none"> - Tony B, NCSC - Ciaran O, NCSC - Bev Keogh and Nick Whidborne, SSE - Graeme Wright, National Grid 	<p>Achieving Interoperability with Allies</p> <p>Speakers from GCHQ, NSA, DoD and MoD will share their experiences of working together to achieve secure communications interoperability in the most demanding of operational environments. Delegates will get a flavour of the special relationship in action from the perspective of those responsible for military operations as well as those supporting them.</p> <p>Speakers:</p> <ul style="list-style-type: none"> - Group Capt Nick Hartley, JFC MoD - NCSC speaker - NSA speaker - DoD speaker 	

15:20 – 15:55	Sponsored Seminars in Stream Rooms			
				
15:55 – 16:35	Coffee Break and Exhibition			
16:35 – 17:35	SESSION THREE			
STREAMS SESSION THREE	STREAM 1, 12, Upper Level	STREAM 2, 3B, Upper Level	STREAM 3, 11 B&C, Upper Level	STREAM 4, 3A, Upper Level
	ECONOMY AND SOCIETY	GOVERNMENT AND PUBLIC SECTOR	CRITICAL NATIONAL INFRASTRUCTURE	DEFENCE AND NATIONAL SECURITY
	Cyber Security and the Voluntary Sector: Threats and Response In 2012, the British Pregnancy Advice Service (BPAS) was attacked by a hacker with links to Anonymous. How did the hacker succeed? What was the response that led to his conviction? What was it like to be investigated by the ICO? How has BPAS responded since the incident? Speaker: - Chris Plummer, BPAS	Clusters: The Real World Experience Outlining progress achieved in the cluster trial HMRC is leading. A Cabinet Office perspective on the cluster initiative and roll out plan. Speakers: - HMRC Speaker - Ben Aung, Cabinet Office - Ian M, NCSC	Assessing the Impact of Forthcoming Cyber Security Regulations Touching on plans for better managing Foreign Direct Investment and the impact of GDPR on CNI companies. Focus on the EU Network and Information Security Directive. Speakers: - Euan Edwards, Cabinet Office - Clare Dobson, BEIS	Working with Industry Government works with industry to produce new solutions to deliver the UK's national security strategy. There will be a lively panel debating the characteristics of success, spurred on by points from the audience. Facilitator: - Mike StJohn-Green, IET Fellow Panellists: - Ian Goslin, Airbus Cyber Security - Rob Carolina, Royal Holloway University - Jane Cannon, Home Office - Medwell ISS, MoD
17:40 – 17:55	Plenary Session, 1A Upper Level Peter Wilson, Deputy Director, Security and Counter Terrorism and Head of Unit for RICU, Home Office			
17:55 – 18:05	Closing Plenary Session, 1A Upper Level Chair's Closing Remarks			
18:10 – 20:15	Drinks Reception A special networking drinks reception will be held in the Exhibition Hall for CYBERUK Strategy and CYBERUK In Practice delegates			
20:15	Close of CYBERUK Strategy			

TIME	ACTIVITY				
09:15 -10:30	Delegate Registration – Exhibition Opens				
10:35 – 10:40	Plenary Session, 1A Upper Level CYBERUK In Practice Chair’s Welcome				
10:40 – 10:55	Plenary Session, 1A Upper Level Dr Claudia Natanson, Chief Security Officer, DWP				
10:55 – 11:05	Plenary Session, 1A Upper Level People: The Strongest Link Emma W, NCSC				
STREAM OBJECTIVES	STREAM 1, 3A, Upper Level	STREAM 2, 3B, Upper Level	STREAM 3, 11 B&C, Upper Level	STREAM 4, 12, Upper Level	STREAM 5, 4 A&B, Upper Level
	MANAGING THREAT	PEOPLE: THE STRONGEST LINK	PROACTIVE DEFENCE	SECURING AGILE DELIVERY	CYBER INSIGHTS
	Focusing on developing a deeper understanding of the threat landscape and approaches to managing it and handling incidents effectively. New approaches to defeat, disrupt or manage the threat. This will draw on Active Cyber Defence (ACD) themes.	This stream will identify how we can better support users to work effectively and securely. It will draw on research and innovative approaches to solving security problems hand-in-hand with the user.	This stream will provide in-depth technical exploration of Active Cyber Defence measures. It will use case studies and worked examples of how innovative approaches to security have had a major impact on risk, harm or increased business utility. There will be an update on the Secure by Default programme.	Delivered by the NCSC in collaboration with the GDS, this Stream examines how security and resilience can be built into systems and services using a variety of development models, including Agile. It will consider the approach to risk management and security decision making in agile and continuous integration cycles.	A fifth Stream will bring together a range of key standalone topics, including the impact of General Data Protection Regulation (GDPR) on information security. Also, a focus on Skills and Cyber First as well as a session on the NCA Prevent strategy.
11:10 – 12:10	SESSION ONE				
STREAMS SESSION ONE	STREAM 1, 3A, Upper Level	STREAM 2, 3B, Upper Level	STREAM 3, 11 B&C, Upper Level	STREAM 4, 12, Upper Level	STREAM 5, 4 A&B, Upper Level
	MANAGING THREAT	PEOPLE: THE STRONGEST LINK	PROACTIVE DEFENCE	SECURING AGILE DELIVERY	CYBER INSIGHTS
	Cyber Threat Intelligence (CTI) and Where to Find Them An investigation in to how structured threat intelligence can be a force multiplier from automated network protection to strategic risk decisions; a deep-dive on stix 2.0 and some of the NCSC services in	Research in People-Centred Cybersecurity Cutting edge concepts on human behavior and security from academic experts. Speakers: - Professor Angela Sasse, UCL - Professor Adam Joinson, University of Bath	Secure by Default Partnership Programme An SBD talk reviewing progress with the programme, examining case studies. Looking ahead to what’s planned for 2017. Speakers: - Andy P, NCSC - Claire Troughton, Judicial Appointments Commission - Sarah Rudge and Diane Lovejoy, Ofqual	Agile Revisited As well as introducing the stream topic, this session aims to demystify the term and explore its roots. It’s time to revisit what agile software development really means. Speaker: - Dan North, Dan North & Associates	GDPR and the Changing Role of the Responsible Officer A discussion on the General Data Protection Regulations (GDPR) that will soon change the responsibilities held within organisations, and what preparation can be done to prepare your business.

	development to make it a reality. Speaker: - Chris O'B, NCSC		- Jackie Woodland and Mike Dutfeld, West Berks Council		Speaker: - Simon Rice, ICO Panellists: - Ian M, NCSC - John Godwin, UK Cloud - Louise Bulman, Thales - Elliot Rose, PA Consulting
12:10 – 13:25	Networking Lunch & Exhibition Spotlight Talks Programme				
13:30 – 14:30	SESSION TWO				
STREAMS SESSION TWO	STREAM 1, 3A, Upper Level	STREAM 2, 3B, Upper Level	STREAM 3, 11 B&C, Upper Level	STREAM 4, 12, Upper Level	STREAM 5, 4 A&B, Upper Level
	MANAGING THREAT	PEOPLE: THE STRONGEST LINK	PROACTIVE DEFENCE	SECURING AGILE DELIVERY	CYBER INSIGHTS
	Topic 1: Vulnerability Disclosure A talk on the importance of building maturity in vulnerability handling. Discussing how to manage your own vulnerability disclosure procedures and work that NCSC is doing on this subject. Speaker: - Katie Moussouris, Luta Security Topic 2: Honey pots and Detective Ops This talk will look at honeypots and how they work, their benefits and their failings. Speaker: - Dave Chismon, MWR InfoSecurity	Passwords in Practice The NCSC's Password Guidance set out some revolutionary changes to our recommendations around authentication. A year later, security experts from across government will discuss their experience, challenges they've faced, and the impact of the changes. Speakers: - Richard Wright, NCA - Mick Pierson, Department for Transport - Matthew Atkinson, Animal and Plant Health Agency - David Rogers, Ministry of Justice	Sinking the Phishers Find out how DMARC protects domains and prevents spoofing through real world examples and NCSC tools and guidance. We'll show how HMRC and UK government are leading the way, and how Netcraft counterattack phishing and malware. Speakers: - Ed Tucker, HMRC - Mike Prettejohn, Netcraft. - Nick Woodcraft, GDS - Sam J, NCSC	Panel Debate: Does Agile Make Security Stronger or Weaker? A panel session designed to provoke debate about how security and agile work together. Panellists: - Karen Jackson-Morris, Student Loans Company - Ahana Datta, Ministry of Justice - Rod Chapman, Altran UK - Chris Ulliot, RBS - Helen L, NCSC	Cyber First NCSC Deputy Director for Cyber Skills and Growth introduces a discussion on the range of activities currently underway and introduces opportunities for further Government and Industry involvement. Speaker: - Chris E, NCSC Panellists: - Sarah S, NCSC - David C, NCSC

14:35 – 15:35 STREAMS SESSION THREE	SESSION THREE				
	STREAM 1, 3A, Upper Level	STREAM 2, 3B, Upper Level	STREAM 3, 11 B&C, Upper Level	STREAM 4, 12, Upper Level	STREAM 5, 4 A&B, Upper Level
	MANAGING THREAT	PEOPLE: THE STRONGEST LINK	PROACTIVE DEFENCE	SECURING AGILE DELIVERY	CYBER INSIGHTS
	<p>Cognitive Active Cyber Defence: Finding Value Through Hacking Human Nature How can you conduct Active Cyber Defence without illegally hacking back? Research results into novel strategies, gaining defensive value by focusing on the decision making human adversary.</p> <p>Speaker: - Pete Cooper, Pavisade Ltd</p>	<p>Effective Security Case Studies To round off Day One on a positive and inspirational note, this session will look to highlight success stories from across industry.</p> <p>Speakers: - Pearl Noble-Mallock, BAE Systems - John Elliot, Easyjet - Imogen Hewing and Isobel Baylis, KPMG</p>	<p>Operating System Security in 2017: the 3rd line of defence This talk will take a whirlwind look at the technical mitigations that are available in modern mobile desktop, mobile operating systems and processors.</p> <p>Speaker: - Ollie Whitehouse, NCC Group</p>	<p>State of the Art: Retrospectives Four speakers from across government and industry describe their successful Agile projects. Presentations followed by Q&A.</p> <p>Speakers: - Toby W, NCSC - Secure Software Development Guidance - Jim Gumbley, Thoughtworks - 'Sensible (Security) Conversations' - Michael Brunton-Spall, GDS - Moving Away from a Compliance Based Approach - Dr Bernard Parsons, Bcrypt - Developing Technology Using Agile Approaches</p>	<p>NCA – Cyber Prevent An overview of national cyber Prevent activity including rationale, findings offender pathways analysis, past successes, and future objectives.</p> <p>Speakers: - Richard Jones and Gregory Francis, NCA</p>
15:40 – 16:15	Sponsored Seminars in Stream Rooms				
					
16:15 – 16:50	Coffee Break & Exhibition				
					
16:55 – 17:00	Plenary Session, 1A Upper Level Deputy Director for Cyber Skills and Growth, NCSC				
17:00 – 17:30	Plenary Session, 1A Upper Level The Future of Cyber is Teenage Girls Anne-Marie Imafidon, CEO and Co-Founder, Stemettes				
17:35 – 18:20	CYBERUK IN PRACTICE WORKSHOPS				
	Workshop 1 3A, Upper Level	Workshop 2 3B, Upper Level	Workshop 3 11 B&C, Upper Level	Workshop 4 12, Upper Level	
			NCSC: Streamlining Your Consultancy Application	NCSC: Characterising Cyber Health	
18:25 – 21:30	Informal Networking Evening This day culminates with activities centred around the spotlight stage. Delegates will hear specially selected thought provoking talks. This will be a prime time for networking within the exhibition and a chance to get involved in the conversations whilst enjoying food and refreshments.				
					
21:30	Close of Day One				

TIME	ACTIVITY			
09:15 – 09:55	Day 2 Delegate Registration – Exhibition & Refreshments			
10:00 – 10:05	Plenary Session, 1A Upper Level Chair Opens Day Two			
10:05 – 10:20	Plenary Session, 1A Upper Level NCSC: 6 Months In Felicity, NCSC			
10:20– 10:45	<p>Plenary Session, 1A Upper Level Panel Session: Delivering the "Strongest Link" In this thought provoking panel discussion, we will examine the barriers to achieving the vision of "People: the strongest link".</p> <p>Panellists include: Dr Susan A, NCSC; Dr Richard Horne, PwC; Professor Pam Briggs, Northumbria University; Ahana Datta, MoJ; Ollie Whitehouse, NCC Group; Darron S, UK Government</p>			
10:50 – 11.50	SESSION FOUR			
	STREAM 1, 3A, Upper Level	STREAM 2, 3B, Upper Level	STREAM 3, 11 B&C, Upper Level	STREAM 4, 12, Upper Level
	MANAGING THREAT	PEOPLE: THE STRONGEST LINK	PROACTIVE DEFENCE	SECURING AGILE DELIVERY
STREAMS SESSION FOUR	<p>Topic 1: Voyage to the Bottom of CE Maddy S talks about the threat-led thinking behind CE, how this impacts on the testing requirements and the scope of each test.</p> <p>Speaker: - Maddy S, NCSC - Simon Barber and Paul Formstone, ii Solutions</p> <p>Topic 2: A Threat to PSN Assurance A talk on the threats that PSN Assurance is designed to counter, why you should go beyond the basics and how it might change in the future.</p> <p>Speaker: - Mark Smith, GDS</p>	<p>Elicitation Techniques: How To Listen To Your Users In this session, two leading researchers will outline two very different, very practical approaches for collecting data within organisations.</p> <p>Speakers: - Professor Lizzie Coles-Kemp, Royal Holloway University - David Snowden, Cognitive Edge</p>	<p>Topic 1: DNS Active Cyber Defence Understand how Nominet cracked DNS analytics at scale to identify DDoS, Malware, Spam, Viruses, DGAs, Data Ex-filtration and infected PCs. Learn how a 30 year of protocol enable proactive defence against tomorrow's threats.</p> <p>Speakers: - Gavin Rawson, Nominet - Rob G, NCSC</p> <p>Topic 2: Mailcheck – from Code to Cloud A dive into the serverless microservice architecture behind Mailcheck and a live demo of how we use infrastructure and pipeline as code to continuously integrate solutions.</p>	<p>Securing & Using Azure Azure is a growing collection of integrated cloud services. This stream reviews Microsoft's cloud business, comprising over 10,000 developers. How can such a large set of developers be managed? What are the security principles, architecture guidance and DevOps approaches used within Azure's templates?</p> <p>Speakers: - Graham Calladine and Ben Houghton, Microsoft</p>
11.55 – 12:40	CYBERUK IN PRACTICE WORKSHOPS			
	Workshop 1 3A Upper Level	Workshop 2 3B, Upper Level	Workshop 3 11B&C, Upper Level	Workshop 4 4, Upper Level
			NCSC: Attack Tree Workshop	NCSC: Origin Stories
12:40 – 14:10	Networking Lunch & Exhibition Spotlight Stage Talks Programme			

SESSION FIVE				
14:15 – 15:15 STREAMS SESSION FIVE	STREAM 1, 3A, Upper Level	STREAM 2, 3B, Upper Level	STREAM 3, 11 B&C, Upper Level	STREAM 4, 12, Upper Level
	MANAGING THREAT	PEOPLE: THE STRONGEST LINK	PROACTIVE DEFENCE	SECURING AGILE DELIVERY
	<p>Know Thyself: How to Figure Out What You Own Before Someone Else Owns It Dr Neill Newman runs through building an enterprise scale vulnerability assessment capability without breaking anything.</p> <p>Speaker: - Dr Neill Newman, RateSetter</p>	<p>Methodology Debate: "Help! What Should I Do Next?" This session will feature a lively debate on the pros and cons of different techniques for engaging with staff, and when to use different approaches.</p> <p>Panellists: - Professor Lizzie Coles-Kemp, Royal Holloway University - David Snowden, Cognitive Edge - Nick Breeze, GDS</p>	<p>Debunking Cloud Myths This session debunks common cloud security myths. Amazon will provide an insight into the security controls underpinning AWS, revealing protections designed to address insider threat. Followed by a Cloud panel session.</p> <p>Speaker: - Alex Lucas, Amazon Web Services</p> <p>Panellists: - James Stewart, Independent Consultant - Ben Houghton, Microsoft - Mahbubul Islam, DWP - Jeremy Habberley, Taser - Eleanor S, NCSC</p>	<p>How to Build Security into An Agile Team David Rogers will talk about organisational design around agile teams, exploring the different layers that need to be in place to achieve continuous assurance as a practice. David will share his experiences of building an Agile team in the Ministry of Justice Digital team.</p> <p>Speaker: - David Rogers, Ministry of Justice</p>
15:20 – 15:45	<p>Closing Plenary Session, 1A Upper Level Technical Director, NCSC Including a direct response to questions and challenges captured throughout the event</p>			
16:00	Close of CYBERUK In Practice			