Niteworks Projects initiated January-June 2017

Project	Description
Air	
Air C2 and ISTAR Industry Research Stage 2	Industry research to identify effective, informed interventions that can be applied to selected Air C2 ISTAR Programmes, delivering robust and timely capability from those programmes.
Ballistic Missile Defence Stage 3	Further, more detailed, work to conduct pan-industry research to inform MOD's approach to the Ballistic Missile Defence concept phase task.
Defence Operational Training Capability (Air) Flight Simulation and Emulation	Understand the options for, and risk associated with, the acquisition of future air platform synthetic training equipment (STE) and its integration and operation within DOTC(A).
Industrial Perspectives on a Future Air Force Vision	Inform and help articulate a Future Air Force Concept, providing initial pan-DLOD industrial views on the achievement of this long term vision.
Land	
Army Training Systems Capability Review	Assisted DE&S Training And Simulation Systems Programme (TSSP) in the development of a Level 1 plan of work to: Understand the 'problem space' for the replacement of the Combined Arms Tactical Trainer (CATT) and Command and Staff Trainer (CAST); understand those systems' requirements in the 2020-2025 timeframe; baseline the current service; and understand the shortfalls.
CD Combat Experimentation Year 5	Using access to key Intellectual Property and impartial pan-industry skills and experience for the development, coordination and implementation of analysis and experimentation activities, to support the major Strike Experiment Year 2.
Concept and Requirement Development for Intelligence Information(i2) Coherence and Exchange (ICE)	Understand how by 2020 a Processing Exploitation & Dissemination (PED) capability can exploit all available information to deliver actionable intelligence to UK commanders on deployed operations with US and NATO partners (a brigade within a division) and, by 2025, a division within a corps.
Future Ground Search Capability Phase 2	Investigate the candidate procurement and support options for the Future Ground Search capability, to maximise support solution effectiveness and through-life cost efficiency.

Project	Description
Future Integrated Tactical Land ISR Requirement	A project to initiate conceptual development of a Future Integrated Tactical ISTAR (FITI) capability by drawing on past studies, emerging concepts (eg, STRIKE) and an understanding of emerging technological opportunities from a broad industry community.
Joint Fires Synthetic Training Assessment Support	A review of the Joint Fires Synthetic Training capability to examine whether sufficient consideration is being given to traditionally non-military approaches such as gaming technologies and infrastructure procurement as the capability is taken forward through its Assessment Phase to a successful competition.
Land Environment Information Activities and Outreach (IA&O) Industry Informed CONEMP	Provided industry-informed support to the writing of the Land Environment Concept of Employment (CONEMP) documentation for Information Activities and Outreach (IA&O) operations.
Maritime	
Submarine Versatile Operator Training Environment Investigation	Investigate incorporating a Combat System applications testing capability within future command team training requirements, to increase synergy between training facilities and operational combat systems.
Joint	
ACDS (Log Ops) Cyber Vulnerability Planning	A review of the broad security threats and vulnerabilities within the Defence supply and support chains, with a more detailed analysis of cyber threats and vulnerability in the Defence Support Network, with their relative priority and recommendations for subsequent response and remediation activities.
CAXTON Technology Study	An industry-informed review of current Deployable Dual Theatre Information Operations equipment, which discussed the currency against market standards and provides a baseline to position Defence to undertake a review of technology solutions available across the CAXTON requirement capability areas.
Command and Control in the Information Environment Experimentation	Aiding the understanding of how decision-making command and control may be enhanced by analysis and reporting of the information environment that is informed by ‘big data’ access to social media and other open information sources.

Project	Description
Cyber Protection Teams CONEMP	Provided industry informed inputs into the development of a Concept of Employment (CONEMP) and Concept of Use (CONUSE) for Single Service Cyber Protection Teams (CPTs) to better enable Defensive Cyber operations.
DaaP Principles Assessment	Provided a rapid assessment with cross-industry input to the MoDNET beta and evaluated component services and projects against an overall end-to-end view and the Defence-as-a-Platform (DaaP) design principles in order to understand the level of fidelity required to maintain control and manage vulnerabilities during transition.
Defence Public Key Infrastructure	Drawing on industry input, propose a potential Public Key Infrastructure High Level Design, with an accompanying Service Design Package, and candidate requirements.
Interoperability Classification	Developing candidate processes that will enable MOD to categorise and group interoperability partners, linking trust categories and groups to security enforcement and separation levels in the next generation of domain-specific interoperability technology, and enabling MOD to effect changes as required.
Interoperability Service Options	Develop, using pan-industry contribution, options for commoditising interoperability technology and services to meet information exchange requirements in the High and Medium Threat areas.
New Style of IT (Deployed) Core Services Migration	Help understand the potential benefits, cost drivers, challenges and interventions associated with migrating existing DII Deployed systems onto the New Style of IT (Deployed) platform, and to validate the developing platform design itself.
OSINT PROMETHEUS Tranche 2 Next Steps	In support of Tranche 2 of Open Source Intelligence (OSINT) PROMETHEUS Programme, draw on the evidence from the live service to reflect lessons on service delivery, service operation and governance, including capturing industry best practice and insight.
SKYNET 6 Enduring Capability - Narrowband Capability site	Using knowledge of commercial and military satellite communication (satcom) technologies to investigate the options to support low size, weight and power, beyond-line-of-sight, on-the-move communications requirements beyond the existing, military UHF satcom provision.

Project	Description
Skynet 6 Multi-Use Terminals	Drawing on pan-industry input and knowledge of commercial and military satcom, related baseband technologies and architectures, provide insights and options for multi-use, wideband satellite terminals, and efficient, resilient and flexible baseband in the 2020s.