Niteworks Projects initiated July–December 2016

Project	Description
Air	
Ballistic Missile Defence Industry Support Stage 2	Conduct pan-industry research to inform MOD's approach to the Ballistic Missile Defence concept phase task.
Next Generation Rotorcraft Capability	Industry-based research to provide pan-industry and pan-Defence Lines of Development perspectives on future rotorcraft technology, markets and civil/military requirements, to help identify opportunities for the alignment of military and civil rotorcraft design, production and support in the 2030-2040 timescale.
Training Transformation Defence Operational Training Capability (Air) Cross-Domain Solutions Stage 3	Provide a Capability Concept Demonstrator and related documentation to support experimentation on the security maintenance process for cross-domain security activity developed in Stage 2, to inform future acquisition.
Land	
Army Collective Training Innovation Research	Impartial research into the Army's collective training to inform the future vision and strategy, focussing on potential innovative commercial approaches and the use of current and future technology. This will provide insights into potential high level acquisition approaches, and identify opportunities for innovation, which will allow the collective training programme to meet the requirements of Army 2020 and beyond.
Army Tactical Cyber Experimental Development - First Phase	Industry- and MOD-informed research to enable the development of key artefacts that will support Land Cyber Electro-Magnetic Activities capability development and acquisition decision making.
Automated Sense and Warn Concept Phase Research	Undertake wide and impartial research to inform the Automated Sense and Warn concept phase including the likely capability usage and hence the potential solution approaches with any cross-Defence Lines of Development implications and the opportunities for innovation.

Project	Description
Dismounted Close Combat (DCC) Mortar Noise-Induced Hearing Loss Industry Research	An industry-informed research and exploration task to propose a series of solution options for the reduction of Noise-Induced Hearing Loss from the use of the 81mm Mortar capability.
G2 Information Services	Investigate how an Information Handling Model framework may be used to better exploit G2 information.
Maritime	
Influence Activity and Outreach Concept Validation: Social Media CCD in INFORMATION WARRIOR 2017	Using the Navy Information Support-led Information Warrior 17 exercise to further demonstrate the utility of the Social Media capability concept and explore the Force Generation and Mission Preparation opportunities for Digital Operations.
Submarine Combat Systems Capability Delivery Model Development	ased on the previously developed Submarine Combat Systems Capability Delivery Operating Model and industry expertise, investigate the requirements and acquisition approach for a Capability Concept Demonstrator to enable the new ways of working to be realised.
Joint	
Brockworks 8 Software Defined Networks	Investigate Software Defined Networks that are compatible with Defence as a Platform principles and demonstrate in the Defence environment how they can provide an adaptable network that is orchestrated with an ecosystem of connected environments, applications and services.
Defence as a Platform (DaaP) Principles Assessment	Evaluate the developing MoDNET component services and projects against both an overall end-to-end (e2e) view and the Defence as a Platform design principles in order to understand how to maintain e2e control and manage the e2e services during transition.

Project	Description
Future Integrated Battlespace Research	Impartial, pan-industry and intra-MOD research to identify where current technology is able to satisfy Defence's future integrated battlespace connectivity requirements and to provide a roadmap of potential future capability increments based on an analysis of industrial and MOD technological research.
Influence Activity and Outreach Concept Validation: Operating Model in INFORMATION WARRIOR 2017	Using the Navy Information Support led Information Warrior 17 exercise to further test and refine the Influence Activity and Outreach candidate operating model developed in a previous Niteworks project.
Information Technology De-Risking Programme	Investigate current practice including higher-tiered security domain constraints and freedoms, and then explore technologies and approaches available in the marketplace to deliver design options, recommendations and demonstrations to de-risk future acquisition.
ISS Defensive Cyber Services	Drawing on the Niteworks partnership's wide experience and knowledge, define a strategy and programme plan from MOD's Information Systems and Services perspective, to draw together workstreams under the Defence Cyber Programme.
JFC Coalition C4ISR Experimentation 17	Improve C4ISR interoperability in a coalition environment including preparation, planning, execution and assessment activities for Exercise Enterprise Challenge 17.
Multi-Tier Multi-Tenancy	A study into the viability of delivering a multi-tenancy 'New Style of IT (Defence)' solution across different trust classes on a single device, then generate viable design options and recommendations for exploitation.
Rapid Messaging Realisation	To support the rapid and coherent deployment of Rapid Messaging, undertake further industry informed research on key Defence Lines of Development and suitable acquisition, operation and continuous service improvement options. The technical demonstrator is developed further to support requirements, acquisition and operational decision support needs.