



Supplementary Document
Collaborative Equipment Programmes

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Ministry of Defence

COLLABORATIVE EQUIPMENT PROGRAMMES

Collaborative Equipment Programmes Involving the United Kingdom (excluding FMS and COTS purchases)

Projects in the Manufacture or In-Service Phase

(Correct as at 31 March 2006)

	Partner Nations (In addition to the UK)
Naval Equipment	
NATO Ships Inertial Guidance System	Canada/ Netherlands/ Spain
Olympus/ Tyne Gas Turbines	Belgium/ France/ Netherlands
Spey Gas Turbine	Netherlands
Co-operative Outboard Logistic Update (COBLU)	US
NATO Submarine Rescue System (NSRS)	France/ Norway
NEST - Super High Frequency (SHF) Satcom Terminals	US
Radar 1022 – Medium Range Surveillance Radar	Netherlands
Land Equipment	
Mounted Countermine Capability Concept Demonstrator	Canada
Command and Staff Trainer (CAST)	Canada
Combat Vehicle Reconnaissance (Tracked)	Belgium
Guided Multiple Launch Rocket System (GMLRS)	France/ Germany/ Italy/ US
Future Fire Control System for GMLRS	US
Multiple Launch Rocket System (MLRS) in service support	France/ Germany/ Italy/ US
NATO Armament Ballistics Kernel (NABK)	All NATO nations
Combined Arms Tactical Trainer (CATT)	US

Counter Battery Radar (COBRA)	France/ Germany
M3 Amphibious Bridge	Germany
Missiles	
Sidewinder Air to Air	Germany/ Italy/ Norway
Milan Anti Tank (including improvements)	France/ Germany
Sea Skua Support	Germany
Trident	US
Principal Anti Air Missile System (PAAMS) ¹	France/ Italy
Air Systems	
Typhoon ²	Germany/ Italy/ Spain
Lynx	France
Puma	France
Gazelle	France
Tornado	Germany/ Italy
Harrier AV8B/ GR5	US
Merlin Mk 1 and 3 Helicopters	Italy
RTM 322 Helicopter Engine	France
C-130J Hercules In-Service Software Upgrade	UK/ USA/ Italy/ Australia/ Denmark
Directional Infra-Red Countermeasures (DIRCM)	US

¹ Includes ASTER.

² Includes separate co-operative projects for Aircrew Synthetic Training Aids (ASTA) and Future Capability Programme (FCP).

Other Equipment	
NATO Improved Link Eleven (NILE) Link 22	Spain/ Canada/ France/ Germany/ Italy/ US
NAVSTAR Global Positioning System (GPS)	Belgium/ Canada/ Denmark/ France/ Germany/ Greece/ Italy/ Netherlands/ Norway/ Portugal/ Spain/ Turkey/ US
Joint Tactical Information Distribution System (JTIDS)	US

Projects in the Demonstration Phase

	Partner Nations (In addition to the UK)
Naval Equipment	
Advanced Cycle Low Powered Gas Turbine Alternator (ACL GTA)	France
Electric Ship Technology Demonstrator (ESTD)	France
Recoverable Tethered Optical Fibre (Buoy) (RTOF)	US
Land Equipment	
(none)	
Missiles	
Next Generation Light Anti-Armour Weapon (NLAW)	Sweden
METEOR	France/Germany/ Italy/Spain/Sweden
Air Systems	
A400M	Belgium/ France/ Germany/ Spain/ Turkey
Joint Strike Fighter (JSF)	US/ Australia/ Canada/ Denmark/ Italy/ Netherlands/ Norway/Turkey
Other Systems	
METOP (Next Generation Meteorological Satellites)	Austria/ Belgium/ Denmark/ Finland/ France/ Germany/ Greece/ Ireland/ Italy/ Netherlands/ Norway/ Portugal/ Spain/ Sweden/ Switzerland/ Turkey

Projects in the Assessment Phase

	Partner Nations (In addition to the UK)
Land Equipment	
Future Tank Main Armament	France/ Germany/ US
Production and support of LIMAWS (155mm towed field howitzer)	France/ US
Air Systems	
Allied Standards Avionics Architecture Initiative	France/ Germany
Multifunctional Electronically Scanned Radar (MESAR) 2 Technology Demonstrator Programme	US
UK Air Surveillance Command and Control System (UK ASCACS) (ACCSD)	All NATO nations

Projects in the Concept Phase

	Partner Nations (In addition to the UK)
Naval Equipment	
Surface Ship Torpedo Defence (SSTD) Technical Demonstration	US
Pulse Power Supplies	Netherlands/ Italy
Land Equipment	
Coalition Blue Force Situational Awareness	US
Network Enabled Airspace Defence and Surveillance (NEADS)	France/ Germany/ Italy/ Netherlands/ Norway
Air Systems	
Airborne Multi-Mode Solid State Active Array Radar (AMSAR) Technology Demonstrator Programme	France/ Germany
Joint Airborne Navigation and Attack (JOANNA) Technology Demonstrator Programme	France
Captor E-Scan Risk Reduction (CECAR) Technology Demonstration Programme	Germany
European Technology Acquisition Programme (ETAP)	France / Germany / Italy / Spain / Sweden
Technology Demonstrator Programme (TDP) for Carriage & Release	Australia
UCAV Capabilities and Cost-Effectiveness Study	US
Missiles	
Joint Common Missile (JCM)	US
Others	
Navigation Warfare Protection	AUS/CAN/UK/US

NB. There also other areas which - while falling short of full collaborative programmes - show UK's willingness to cooperate with partner countries with similar requirements. An example of this would be the current co-operation on the UK and French Aircraft Carrier programmes where France is seeking to use the UK's CVF design as the basis of the French carrier requirement.