List of Business Critical Models
March 2018

Dept.	Model Name	Model Type	Model Purpose
Army	Recruitment Partnering Project	Investment Appraisal	Cost Model
Army	The Defence Fire and Rescue Project	Investment Appraisal	Cost model
DE&S	A400M DPP	Planning, allocation and forecasting	Provide cost information for the QRPC and provide assurance with a means of comparing spend versus approved budget.
DE&S	A400M ISS CM	Investment Appraisal	Provide cost information for the QRPC and Provide assurance with a means of comparing spend versus approved budget.
DE&S	ACA QEC COBRA	Investment Appraisal	Model estimates for QEC manufacturing costs
DE&S	Apache CRBS Version 4	Procurement and Commercial	VfM assessment to support Main Gate investment decision
DE&S	Apache PP3	Investment Appraisal	Model to inform the PP3 Review Note
DE&S	Barrow Subs Model	Planning, allocation and forecasting	Outputs forecasts for Astute Submarine platform acquisition. Will support pricing and programme Review Note.
DE&S	BS2 CSP MG WLCM	Investment Appraisal	Cost approvals model - 50kg Surface Attack Current Projects to inform Main Gate approval.
DE&S	C17 FMS Four and a Half Years LBP	Investment Appraisal	Model to support Main Gate Business Case.
DE&S	CM Peacetime Reaper QRPC3-18	Planning, allocation and forecasting	Model used for the QRPC Model will also be used for costing option and related Review Note.
DE&S	Common Support Model - Fleet Wide Communications	Procurement and Commercial	Supporting Main Gate for Common Support Model - Fleet Wide Communications
DE&S	Common Support Model - MSDF	Procurement and Commercial	Warship support expansion of MSDF
DE&S	Common Support Model - MSSP	Procurement and Commercial	Supporting Main Gate for Common Support Model - Maritime Support Systems Partners
DE&S	CPC CHRAR Cost Model	Planning, allocation and forecasting	Model to provide Contractor forward costs
DE&S	CPC Power Module Cost Model	Planning, allocation and forecasting	Model to provide Contractor forward costs

DE&S	CPC Regeneration CHRAR Cost Model	Planning, allocation and forecasting	Model to provide Contractor forward costs
DE&S	CPC Sustain Cost Model	Planning, allocation and forecasting	Model to provide Contractor forward costs
DE&S	DGM Project ABEL Model	Procurement and Commercial	Model to provide illustrations of various procurement options.
DE&S	DOTC (A) Cost Model	Investment Appraisal	Main Gate Cost Model for Defence Operational Training Capability in support of Air Systems and Services.
DE&S	F ADAPT Cost Model	Investment Appraisal	Cost Approvals model to inform ISS Review Note
DE&S	FLIS Review Note	Investment Appraisal	Model to provide FLIS contract whole life costs, including the Review Note.
DE&S	FMSS Initial Gate Cost Model	Investment Appraisal	Financial evaluation to support investment decision for Investment Approvals Committee / Initial Gate.
DE&S	FsAST - MSHATF RN	Investment Appraisal	Initial Gate Cost Model for Medium Support Helicopter Aircrew Training Facility Review Note
DE&S	GBAD-FI RN	Investment Appraisal	Model to inform the GBAD FI Review Note
DE&S	Guardian RN	Investment Appraisal	Model to inform the Guardian Review Note
DE&S	Hawthorne	Investment Appraisal	Supporting AWE M&O Estimates.
DE&S	Historical Project Performance Model (HPP)	Planning, allocation and forecasting	Analysing DE&S Equipment Procurement Programme Historical Project Cost and Schedule Performance.
DE&S	I-Clare V Boat Business Case	Planning, allocation and forecasting	CAAS owned model used to generate the Business Case for the Vanguard Deep Maintenance Period Main Gate. Model supports ABC and QRPC.
DE&S	Infra Cost Model SCE	Planning, allocation and forecasting	Investment approvals model providing analysis supporting Future Submarines Infrastructure costs.
DE&S	LEAPP RN	Investment Appraisal	Model to support the LEAPP Review Note.
DE&S	Lightning II Through-life cost model	Planning, allocation and forecasting	Through life cost model for Lightning II support.
DE&S	Lightning II Unit Recurring Flyaway cost model	Planning, allocation and forecasting	Unit recurring flyaway cost model for Lightning II.
DE&S	Lightning Risk Model	Planning, allocation and forecasting	Risk model supporting all DT Main Gate, Review Note and QRPC activity.
DE&S	Marshall Cost Model RN	Investment Appraisal	Model to inform the MARSHALL Review Note.
DE&S	MERLIN & APACHE Engines Future support (MAEFS) - IG	Planning, allocation and forecasting	Modelling of RTM Engine Pricing Period 2 for Cat A approval.
DE&S	MEWSIC RESM IG Cost Model	Investment Appraisal	Cost model to support the MEWSIC Increment 1 Initial Gate Business Case.
DE&S	MITER IG with WFA	Investment Appraisal	Model to support MITER Initial Gate Business Case Approval
DE&S	MJDI Sustainment	Investment Appraisal	Model to provide sustainment and obsolescence costs.

DE&S	MMA Cost Model INFRASTRUCTURE	Planning, allocation and forecasting	Model is used to cost the through-life costs of Maritime Patrol Aircraft (MPA) Infrastructure Review Note.
DE&S	MRV-P Cost Model - Main Gate	Planning, allocation and forecasting	Model to support MRV-P Main Gate Business Case Approval.
DE&S	NGNPP Cost Model	Planning, allocation and forecasting	Successor Next Generation Nuclear Propulsion Plant Cost Model.
DE&S	NPSRT	Planning, allocation and forecasting	NPSRT Cost Model.
DE&S	Nuclear Propulsion in-service support whole life cost model (SALMON)	Planning, allocation and forecasting	In-service support for nuclear steam raising plant, nuclear Propulsion in-service support whole life cost model.
DE&S	Periscope	Planning, allocation and forecasting	Supports costing allocations between projects, ABC/QRPC costings, and provides scenario based analysis.
DE&S	PROTECTOR Cost Model	Planning, allocation and forecasting	Cost model used to support QRPC, as well as inform Review Note.
DE&S	Puma FSA	Investment Appraisal	Model to inform the Puma FSA Main Gate Business Case.
DE&S	QEC Build	Procurement and Commercial	Model to inform the QRPC build costs for Queen Elizabeth Class Carrier.
DE&S	QEC Future Support	Planning, allocation and forecasting	Ships acquisition model providing in-service support cost analysis for the Queen Elizabeth Class Carrier.
DE&S	QEC Support	Planning, allocation and forecasting	Support cost model across the Aircraft Carrier Industrial Alliance.
DE&S	Sentry CSP Options-GAM	Investment Appraisal	Assessment of liability or future cost of Options under consideration as part of the Sentry CSP Investment Appraisal.
DE&S	SMLT	Planning, allocation and forecasting (model supporting ABC, QRPC)	Analytical tool used to routinely cost the in-service submarines programme and to inform the long term provisions for laid up submarines.
DE&S	Successor PCM	Investment Appraisal	Platform Cost Model to support the Successor Control Point One Business Case.
DE&S	SV Cost Model	Planning, allocation and forecasting (model supporting ABC, QRPC)	Through life cost model for the AJAX Project equipment procurement support plan.
DE&S	T26 Joint Cost Model	Procurement and Commercial	Joint whole life cost model used to provide procurement and support cost analysis supporting T26 class navy ship.
DE&S	T45 PIP Will Cost Model	Investment Appraisal	Model for Main Gate BC for T45 class navy ship.
DE&S	Teutates Main Gate Confidence Model	Planning, allocation and forecasting	Teutates Review Note confidence model

DE&S	UKMFTS - Hawk T1 - HIOS Rebaseline	Investment Appraisal	JAMES model used to cover 1 year extension to the contract to reflect revised OSD.
DE&S	UKMFTS SDSR 15 Model	Procurement and Commercial	Model to determine the Assessment Phase Costs and present an indication of the likely Whole Life Cost.
DE&S	Voyager Manpower Balancing Model	Investment Appraisal	Model to provide investment appraisal options and affordability with 3 point estimates required for a CAT A Review Note
DE&S	VPOD2 Should Cost Model	Investment Appraisal	Cost Model provided to inform Main Gate Business Case.
DIO	ABP Benefits Model	Forecasting & Financial Evaluation	The financial model which sets out the likely financial benefits which the ABP can expect to achieve over the life of the programme and beyond.
DIO	Aqua Demand Forecasts ABC17,AP0,AP04 AP07	Forecasting	Summary Outputs of 4 Principle Annual Baseline Major Impact Factors & Final Demand Forecast to DIO Fin Ops
DIO	Aquatrine Package A PFI Financial Model	Contract model forecasting costs and estimating contractual changes.	PFI Financial Model jointly owned with Service Provider, used to set original contract price and price changes due to in-service amendments. One ESCROW model plus variants for scenario modelling. Currently used to inform decisions on PFI savings initiatives.
DIO	Aquatrine Package B PFI Financial Model	Contract model forecasting costs and estimating contractual changes.	PFI Financial Model jointly owned with Service Provider, used to set original contract price and price changes due to in-service amendments. One ESCROW model plus variants for scenario modelling. Currently used to inform decisions on PFI savings initiatives.
DIO	Aquatrine Package C PFI Financial Model	Contract model forecasting costs and estimating contractual changes.	PFI Financial Model jointly owned with Service Provider, used to set original contract price and price changes due to in-service amendments. One ESCROW model plus variants for scenario modelling. Currently used to inform decisions on PFI savings initiatives.
DIO	Aquatrine Total Approval Monitoring Model	Forecasting	To keep track of the future forecasted outturn for Aquatrine PFI Contract, to ensure that we do not breach approval limits.
DIO	ARMADA PFI Financial Model	Contract model forecasting costs and estimating contractual changes.	PFI Financial Model jointly owned with Service Provider, used to set original contract price and price changes due to in-service amendments. One ESCROW model plus variants for scenario modelling. Currently used to inform decisions on PFI savings initiatives.
DIO	Army Basing Programme Project Allenby Connaught Footprint Financial Model	Economic and financial case to support approvals decisions.	Model to support IGBC down selection point to a preferred option. Evaluates the economic case (NPV) and financial case (affordability) of a number of options.
DIO	Army Basing Programme Salisbury Plain Training Areas SFA Financial Model	Economic and financial case to support approvals decisions.	Model to support IGBC down selection point to a preferred option. Evaluates the economic case (NPV) and financial case (affordability) of a number of options.
DIO	Capital Infrastructure Programme (CIP) Report and Scenario Modelling Tool	Infrastructure Investment Portfolio	The CIP is the top level infrastructure CDEL investment planning tool, used by both DIO and MOD. The CIP is both a BI View of all centrally funded CDEL Investment by MOD in

		Business Intelligence	infrastructure, primarily Capital Projects and SD Work Tasks delivered by IPs. The CIP draws upon data from IMS, provided by the 'DIP Reports' function in IMS. The CIP 'budget' data is not held anywhere else; so the CIP spreadsheet is the source repository for this data.
DIO	Colchester PFI Financial Model	Contract model forecasting costs and estimating contractual changes.	PFI Financial Model jointly owned with Service Provider, used to set original contract price and price changes due to in-service amendments. One ESCROW model plus variants for scenario modelling. Currently used to inform decisions on PFI savings initiatives.
DIO	Corsham PFI Financial Model	Contract model forecasting costs and estimating contractual changes.	PFI Financial Model jointly owned with Service Provider, used to set original contract price and price changes due to in-service amendments. One ESCROW model plus variants for scenario modelling. Currently used to inform decisions on PFI savings initiatives.
DIO	Fuel Subsidy Scheme (Cyprus)	Personnel Allowances & Payments	Establishes the balance between energy bills paid by the MOD for around 1000 SFA across Cyprus, against energy used by these properties and monies taken from pay through F&L payments to determine if each SFA Occupant on the scheme owes money, is owed money, of that their account is in balance.
DIO	Fuel Subsidy Scheme (Germany)	Personnel Allowances & Payments	Establishes the balance between energy bills paid by the MOD for around 6000 (reducing with drawdown) SFA across Germany, against energy used by these properties and monies taken from pay through F&L payments to determine if each SFA Occupant on the scheme owes money, is owed money, of that their account is in balance.
DIO	Fuel Subsidy Scheme (UK)	Personnel Allowances & Payments	Establishes the balance between energy bills paid by the MOD for around 600 selected SFA, against energy used by these properties and monies taken from pay through F&L payments to determine if each SFA Occupant on the scheme owes money, is owed money, of that their account is in balance.
DIO	Future Overseas Procurement (FOP)	Economic and financial case to support approvals decisions.	Model to support IGBC down selection point to a preferred option. Evaluates the economic case (NPV) and financial case (affordability) of a number of options.
DIO	Hestia (East) Financial Model	Economic and financial case to support approvals decisions.	Model to support IGBC down selection point to a preferred option. Evaluates the economic case (NPV) and financial case (affordability) of a number of options.
DIO	Hestia (North) Financial Model	Economic and financial case to support approvals decisions.	Model to support IGBC down selection point to a preferred option. Evaluates the economic case (NPV) and financial case (affordability) of a number of options.
DIO	Hestia (Scotland/NI) Financial Model	Economic and financial case to support approvals decisions.	Model supports IGBC down selection point to a preferred option. It also evaluates the economic case (NPV) and financial case (affordability) of a number of options. Further developed to include a VFM benchmark

			and the comparison of tender bids to support the MGBC leading to Contract Award.
DIO	Hestia (South East) Financial Model	Economic and financial case to support approvals decisions.	Model supports IGBC down selection point to a preferred option. It also evaluates the economic case (NPV) and financial case (affordability) of a number of options. Further developed to include a VFM benchmark and the comparison of tender bids to support the MGBC leading to Contract Award.
DIO	Hestia (South West) Financial Model	Economic and financial case to support approvals decisions.	Model to support IGBC down selection point to a preferred option. Evaluates the economic case (NPV) and financial case (affordability) of a number of options.
DIO	Hestia (South) Financial Model	Economic and financial case to support approvals decisions.	Model supports IGBC down selection point to a preferred option. It also evaluates the economic case (NPV) and financial case (affordability) of a number of options. Further developed to include a VFM benchmark and the comparison of tender bids to support the MGBC leading to Contract Award.
DIO	Hestia (Wales and West) Financial Model	Economic and financial case to support approvals decisions.	Model to support IGBC down selection point to a preferred option. Evaluates the economic case (NPV) and financial case (affordability) of a number of options.
DIO	HESTIA Cost Model	Financial Evaluation	Cost Model to confirm affordability
DIO	LiCRA 2	Financial Evaluation & Forecasting	The model performs detailed 30 year condition simulations for every level 3 component of any selected level 2 assets, allowing users to specify different asset policies depending upon current and future criticality.
DIO	Living Accommodation Strategy Review (LASR)	Forecasting and Evaluation	Data on supply and demand of military accommodation, by type and condition in order to evaluate how much accommodation we have and what the cost will be to meet demand at the right condition level based on cost inputs.
DIO	Main Building PFI Financial Model	Contract model forecasting costs and estimating contractual changes.	PFI Financial Model jointly owned with Service Provider, used to set original contract price and price changes due to in-service amendments. One ESCROW model plus variants for scenario modelling. Currently used to inform decisions on PFI savings initiatives.
DIO	Northwood PFI Financial Model	Contract model forecasting costs and estimating contractual changes.	PFI Financial Model jointly owned with Service Provider, used to set original contract price and price changes due to in-service amendments. One ESCROW model plus variants for scenario modelling. Currently used to inform decisions on PFI savings initiatives.
DIO	The Retail Need Assessment Tool	Decision Support	Determine a numerical value to express justification for retail services, at Establishment level, to be part of Contracts providing SFM
DIO	United States Visiting Forces (USVF) Next Generation Estate Contract	Economic and financial case to support approvals decisions.	Model to support MGBC tenderer selection decision point. Evaluates the economic case (NPV) and financial case (affordability) of a number of tenderers and potential first generation outsourcing decisions.

DSTL	Capability System Model (CSM)	Planning	CSM is a system level model of the CBR protection system.
DSTL	Close Action Environment (CAEn)	Planning	CAEn is a multi-sided close combat interactive wargame and simulation, representing the all arms close combat battle.
DSTL	CUTLASS	Planning	A Man-In-The-Loop simulation facility primarily to assess the Operational Effectiveness of fighter aircraft.
DSTL	EO Lab Tools	Planning	Tools to assess performance characteristics of Electro Optic (EO) threat systems.
DSTL	Force Structure Cost Model (FSCM)	Forecasting	The model estimates the cost of the Defence Programme out to 30 years.
DSTL	Hazard Prediction and Assessment Capability (HPAC)	Science-based	US hazard prediction model used to provide advice on hazard areas in the event of a Chemical or Biological release.
DSTL	Hubris	Planning	Maritime tactical decision aid.
DSTL	MPPERER	Planning	Power and thermal management systems tool.
DSTL	MRoMM	Planning	Missile flyout model designed to represent ballistic and anti-ballistic missiles.
DSTL	ODIN	Planning	Used to model maritime platform encounters and interactions.
DSTL	PALETTE	Planning	Weapon lethality model for land based Hard targets.
DSTL	RF Propagation suite	Planning	RF propagation modelling suite.
DSTL	SADM	Planning	Model used to support Naval Operational Planning
DSTL	SALEM	Planning	A missile flyout modelling software suite
DSTL	SAM, GAPS and DEBRIEF	Planning	A suite of software tools for the replay and analysis of data recorded during submarine operations.
DSTL	ShipScheduler	Financial Evaluation	Model to support procurement decisions for major naval platforms.
DSTL	Strategic Balance of Investment Toolset (StratBoI)	Financial Evaluation	A balance of investment toolset.
DSTL	SURVIVE	Planning	Survivability assessment of naval vessels, including submarines.
DSTL	Tarview	Planning	Weapon lethality model for land based mobile and relocatable targets.
DSTL	Total Mine Simulation System	Planning	Simulation of ship and mine interaction.
DSTL	UK CDM	Planning	Model provides collateral damage and risk assessments of UK weapons pre-strike.
DSTL	UWM-WTI	Financial Evaluation	Collection of models to assess the vulnerability of UK platforms (including personnel) to threat weapons and the lethality of UK weapons on threat targets.
DSTL	Variant CDM	Planning	Predicts the effectiveness of weapon systems.
DSTL	WinProp RF Propagation - Reachback	Science based	Models the propagation characteristics of electromagnetic radiation.
DSTL	WISE	Financial Evaluation	Formation (Div/Bde) or unit (BG) level all-arms combat model
Head Office	Manpower Models (Navy/Army/Air/Civilian)	Planning	Modelling use of manning levers to achieve future personnel commitments
Head Office	New Employment Modelling	Forecasting	Forecasts of MOD military pay bill under New Employment Model

ISS	Dismounted Situational Awareness	Planning Allocation and Forecasting	The cost model supporting Review Note 3 has been developed and reviewed by CAAS. There is an existing model (also approved by CAAS) that was used to cost the Option that reset the funding profile
ISS	EMPORIUM	Planning Allocation and Forecasting	Model used to support the Main Gate submission and used for forecasting and planning
ISS	FALCON 2 Trinity	Planning Allocation and Forecasting	Model used to support the Main Gate submission and used for forecasting and planning
ISS	Grapevine 2 - Connectivity Services	Economic and financial cases to support approval decisions	Model currently being created to support the Review Note Submission
ISS	Grapevine 2 - Integrated User Services	Economic and financial cases to support approval decisions	Model to support the Main Gate submission
ISS	Integrated User Services (IUS)	Contract Financial Model	Used for tracking Contract performance and adding changes.
ISS	Legacy Support Programme	Procurement and commercial	Model used for forecasting and planning process
ISS	Legacy Support Update	Procurement and commercial	Model was used for Business Case and to support recent negotiation. Model will continue to be used to support forecasting and planning
ISS	MODNet Evolve	Planning Allocation and Forecasting	Cost Model to support the Initial Gate submission
ISS	MORPHEUS	Planning Allocation and Forecasting	The cost model supporting Review Note 3 has been developed and reviewed by CAAS. There is an existing model (also approved by CAAS) that was used to cost the Option that reset the funding profile
ISS	New Style of IT (Deployed)	Procurement and commercial	Model to support the Main Gate submission
ISS	New Style of IT Base	Planning Allocation and Forecasting	Model used for forecasting and planning process
ISS	SHAMAN	Planning Allocation and Forecasting	Model used for forecasting and planning process
ISS	Skynet 6 (formerly FBLOS)	Planning Allocation and Forecasting	Cost Model to support the Initial Gate submission
ISS	Crypto Enabling Services (CES)	Economic and financial cases to support approval decisions	Model to support the Main Gate submission
Navy	Royal Fleet Auxiliary (RFA) Workforce Model	Planning	Modelling use of manning levers to achieve future RFA workforce commitments