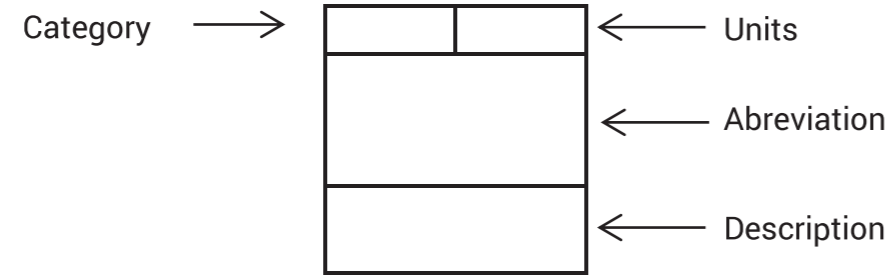


Cost Drivers: Does anything influence your cost estimate?

Providing robust decision support to the world's complex problems

Gbl £, \$, €																				O&S Qty															
Cur																				NPPR															
Currency																				Avg Parts per Repair															
Gbl Years	Gbl Doc																			O&S	%														
BYr		BOE																				AdPrf		IT	Qty	O&S	Hours	O&S	Cur	O&S	Cur	O&S	Cur	O&S	%
Base Year		Basis of Estimate																				Adapt. for Performance		Inventory		Mean Time Between Failures		Checkout Test Set Cost		Faulty Part Test Set		No Fault Found			
Gbl Cur	Gbl List																			O&S	IT	T/F	O&S	Qty	O&S	Hours	O&S	m2	O&S	%					
Ex		CDAL																				AdEff		PvL		PT		UCT		TEqFA		Attr			
Exchange Rate		Cost Data & Assumptions																				Adapt. for Efficiency		Purchase or Lease		Number of Part Types		Unit Checkout Time		Test Equip. Floor Area		Attrition Rate			
Gbl Cur	Gbl List	H/W	CxSt	H/W	Years	H/W	Kg	S/W	Index	S/W	List	S/W	S/Size	S/W	%	S/W	List	S/W	%	S/W		O&S	IT	O&S	%	O&S	Hours	O&S	Hours	O&S	%				
PPP		Site		CxSt		YrTech		WghtE		PrdFac		Lang		AdSz		PrTA		DevPr		DeRe		CxInIn		AdPor		SLA		OnTiF		MTTR		HrPW		NSP	
Purchasing Power Parity		Multiple Site Development		Complex of Structure		Year of Technology		Weight of Electronics		Productivity		Language		Adapted Size		Percent Test Adapted		Development Process		Design for Reuse		Complexity of Int. Integration		Adapt. for Portability		Service Level		On-time Fraction		Mean Time To Repair		Hours Worked per Week		Percent Non-Stand. Parts	
Gbl %	H/W	Count	H/W	CxEl	H/W	List	H/W	%	S/W	List	S/W	T/F	S/W	S/Size	S/W	%	S/W	S/Size	S/W	Index	S/W		O&S	Bug/Yr	IT	Years	O&S	Qty	O&S	Cur	O&S	Days	O&S	%	
NPV		Qty		CxEl		Dom		LC		Appl		OOL		AuGeSz		PrDR		DeSz		DeT		CxExIn		ErDt		UL		UPE		SPC		StRe		CodC	
Discount Rate		Production Quantity		Complex of Electronic		Domain		Learning Curve		Application		Object Orientated Lang.		Auto Generate Size		Percent Des. Repeat		Deleted Size		Design Tools Maturity		Complexity of Ext Integration		Error Detect Rate		Unit Life		Units Per Equip. Location		Spare Part Cost		Stock of Repairables		Codification Cost	
Gbl T/F	H/W		H/W	%	H/W	m3	H/W		S/W		S/W	S/Size	S/W	%	S/W	S/Size	S/W	Index	S/W	Index	S/W	TMCX	O&S	IT	Hours	O&S	Qty	O&S	Kg	O&S	Days	O&S	Cur		
IMP		Proto		New		Vol		Obs		CxFun		NwSz		PrDA		ReSz		CxCR		CdT		CxTal		Debug		TpEU		OOS		SWght		StCo		SpacC	
Metric or Imperial		Prototype Quantity		Heritage or New Design		Volume		Obsolescence		Complexity of Functionality		New Size		Percent Des. Adapted		Reused Size		Code Removal Complexity		Code Tools Maturity		Complexity of Tailoring		Repair Maint. Rate		Training per End User		Parallel Out of Service		Shipping Weight		Stock of Consumables		Test Equip. Space Cost	
Gbl MMY	H/W	TMCX	H/W	%	H/W	Kg	H/W		S/W	TMCX	S/W	%	S/W	%	S/W	S/Size	S/W		S/W	Index	S/W		IT	Qty	IT	Hours	O&S	Cur	O&S	Cur	O&S	Cur/Kg	O&S	Cur/m3	
Start		EngCx		RpDes		Wght		CxInt		CxDT		PrNE		PrCA		AuTrSz		ToEff		TtT		Secur		Dply		Inst		CLS		FSTS		ShipC		WareC	
Start Date		Complexity of Engineering		Repeat Design		Weight		Complexity of Integration		Complexity of Dev. Team		Percent Non-executable		Percent Code Adapted		Auto Translated Size		Auto Translation Tool Efficiency		Test Tools Maturity		Security Level		Number of Deployments		Install Time		Contractor Repair Cost		Faulty S/Assy Test Set		Shipping Cost		Warehousing Cost	



Category	Key
Global	Gbl
Hardware	H/W
Software	S/W
Operating and Support	O&S
Information Technology	IT
Software Size	S/Size
Complexity Structure	CPXS
Complexity Electronics	CPXE
Team Complexity	TMCX

Software Size - S/Size

S/Size	S/Size	S/Size	S/Size	S/Size	S/Size	S/Size	S/Size	TMCX	Index	TMCX	Index	TMCX	Index	TMCX	Index	TMCX	Index	TMCX	Index
SLOC	FP	POP	COSMIC	Case	Story	SSU	MgtMat	ProdMat	MarMat	ProcMat	TmTu	TmCap							
Source Lines of Code	Function Points	Predictive Object Points	Com. S/W Measure Int.	Use Case Analysis	Story Points	Software Size Units	Management Maturity	Product Maturity	Market Maturity	Process Maturity	Team Turnover	Team Capability							

Team Complexity - TMCX

Complexity of Structure - CxSt

CPXS	mm	CPXS	Index	CPXS	Qty	CPXS	mm	CPXS	%	CPXS	micron	CPXS	%	CPXS	List	CPXE	List	CPXE	List	CPXE	%	CPXE	Kg/cm	CPXE	Index
Tol	MM	NP	GeTol	RMR	SuFi	AsTol	LoL	Con	Comp	CirT	SMD	EIDe	QStd												
Tolerance	Material Machinability	Number of Parts	Geometric Tolerance	Rough Material Removal	Surface Finish	Assembly Tolerance	Layers of Laminate	Construction	Component Type	Circuitry Type	Surface Mount Devices	Electronic Density	Quality Standard												

Complexity of Electronics - CxEl

Transforming The Way You Make Decisions

Capitalise on our outstanding analytical capability to understand your problem, evaluate what really matters and make better decisions. Using our 6,000+ professionals with proven experience in supporting strategic decisions underpinning complex programmes worth over £200Bn worldwide, let QinetiQ help you to achieve success.

QinetiQ offers unique risk maturity assessment and cost estimation health check services that employ repeatable processes to audit and benchmark cost understanding and risk management capability in a project, programme or business. Additionally, we provide a range of bespoke cost and risk analysis services and tools, delivered by a team of experts in their field to help our customers ensure that the cost and risk implications of decisions and projects are effectively managed.

Whole Life Cost Modelling

Whole Life Cost (WLC) analysis needs to cover the entire budget that will be consumed through the life of the service or system. This will cover the equipment cost from conception to disposal, but also the capability generation cost such as training and infrastructure. To ensure that there is confidence in the outcome multiple methods of estimating need to be employed to form a consensus view of the total cost.

Risk Maturity Model (RMM)

The project RMM is specifically developed to assess the risk management capability of projects throughout their lifecycle. Our assessment ensures the risk management process adopted by project teams is of a sufficient maturity to meet the needs of the organisation and its clients. The output of the assessments provide an objective view of capability, identifying areas for improvement and allows comparison with peer organisations.

Cost Engineering Health Check (CEHC)

QinetiQ's Cost Engineering Health Check is a tried and tested approach to assessing the maturity of a cost estimating organisation or projects against our knowledge based estimating (KBE) pillars; data, tool, people and process. The results can be used to identify improvement opportunities within our clients' cost estimating capability, enabling them to focus on areas that have the potential to increase competitiveness or value for money (VfM) from a budget.

Cost Benefit Analysis

QinetiQ are expert in electronic voting and workshop facilitation for the purposes of benefits elicitation. A causal benefits map is then developed to capture the set of dependencies and enablers associated with each of the benefits. This map will be used to help qualify and derive metrics that could be used to score each of the benefits and demonstrate their importance in terms of system or service output relative to the whole life cost of acquisition and maintenance.