

Quality Assurance of business critical models in the Cabinet Office

Cabinet Office fully participated in the [Review of quality assurance of government analytical models](#) conducted by Sir Nicholas Macpherson in 2013. At the time of the Review, Cabinet Office identified a list of business critical models and reviewed their quality assurance processes. Each Cabinet Office business critical model has been allocated a Senior Responsible Owner (SRO), in line with the recommendations of the Review. Cabinet Office has established a formal quality assurance process for business critical models, accompanied by a suite of quality assurance guidance for SROs and analysts working on such models. In line with the recommendations of the Review, Cabinet Office's list of business critical models is regularly updated and is available below.

Cabinet Office

Model	Type of model	Summary
Individual Electoral Registration (IER) Model	Financial evaluation	The IER model calculates the cost of the Individual Electoral Registration programme.
Elections Funding Model – UK and EU	Financial evaluation	The model calculates the cost of Parliamentary and European elections.
Countries at Risk of Instability (CRI)	Forecasting	The CRI is a risk assessment of 125 fragile states. It provides comparative risk scores using an Indicator based statistical modelling and expert input from geo-political analysts in HMG.
Register of British Interests (RBI)	Evaluation	The RBI is a composite of measurable factors that matter to the UK.
National Risk Assessment	Science-based model	This model supports resilience and capability planning. It identifies, assesses and prioritises domestic risks that would have a major impact on the UK if they were to occur.
National Security Risk Assessment	Science-based model	This model provides a common framework for identifying, assessing and comparing risks which seriously threaten UK national security interests in the next five to 20 years.

Big Lottery Fund – an Arm's Length Body of the Cabinet Office

Model	Type of model	Summary
Programme Costing Model	Financial evaluation	This model is used to ascertain the operating costs of delivering a specific grant programme. It is used internally (at the Big Lottery Fund) and for all quotations for third party and joint lottery programmes.
Cash Flow Modelling Programme	Financial evaluation	This model is used for the planning of grant programmes and management of our National Lottery Distribution Fund balances.