Central Bank of Malta
Job Description

Job Title:	Principal Quantitative Analyst		
Office:	Stress Testing and Research	**Reports To:**	Manager
Department:	Macroprudential Policy, Stress Testing and Research (MPSTR)	**Date:**	July 2026

Job Purpose:

To contribute to the development, maintenance and enhancement of quantitative risk assessment, stress testing and policy simulation models and frameworks for the identification and assessment of vulnerabilities in the financial system, including the banking and non-banking sectors. To undertake high-quality analysis of the impact of extreme but plausible shocks, interpret results and contribute to financial stability assessments, policy analysis, reports and publications.

Technical / Functional Responsibilities:

- To contribute to the development, calibration and maintenance of existing sensitivity scenarios tools and stress testing models with the objective of identifying vulnerabilities in the financial system.
- To update and maintain the existing stress testing frameworks. This consists of the periodical sourcing of data and re-running of the frameworks to obtain updated results, as well as, adapting the frameworks to any changes in banks in scope, data sources, regulation and/or tweaks to improve efficiency.
- To assist in the interpretation of results of the macro stress tests, and other risk models and discuss these with the other Offices within the Division for the identification of any policy requirements.
- To contribute to the drawing up of reports, analyses and papers as required and to contribute to the preparation and completion of the relevant chapters in the Financial Stability Report and its Interim and in any other internal / external publications.
- To contribute to any proposed policy simulation analysis using the Bank's tool kit including the need to develop specific simulation tools.
- To develop new quantitative risk and stress testing models for the quantification of vulnerabilities in the financial system, including the non-banking sector, and to carry out appropriate stress/scenario testing and sensitivity analyses in a bid to identify any potential adverse developments that are likely to have financial stability implications.

- To familiarise with the ECB/ESRB and other NCBs' stress testing models for a better understanding of their models and thus have the ability to compare their methodology and results with the models developed by the Office, with a view to enhancing and developing the suite of models within the Office.

- To contribute to the work of committees / working groups / task forces both locally and overseas as appropriate and to represent the Office on the ESRB/EBA/FSC committees in areas related to stress testing.

- To prepare documentation and contribute by way of presentations and background analyses as necessary, to the CBM's Financial Stability Forum, the Financial Stability Committee, the Joint Financial Stability Board and other relevant Committees.

- To provide support to line management including in ensuring overall correctness of office work and in meeting stipulated deadlines, and to contribute to a team-work-related environment.

- To report on activities undertaken.

- To keep abreast with and adhere to established Policies and Procedures.

- To ensure a high quality / standard of work and service throughout.

- To perform any other duties as may be assigned from time-to-time.

Competencies and Proficiency Levels

Within the context of their specific tasks, the incumbent is expected:

- To be truthful and honest;
- To have a positive, can-do attitude;
- To share the Bank's intolerance of sexism, homophobia, xenophobia and racism, and to be respectful and caring towards others irrespective of sexual, religious and political orientation;
- To carry out their tasks professionally and ethically;
- To communicate effectively;
- To have a sense of the value of time and priorities;
- To respect security and confidentiality; and
- To be able to lead and to work in teams as may be the case.

Where applicable, the incumbent will have the following competences at a specified level of proficiency

General Competencies	N/A	Level 1	Level 2	Level 3	Level 4	Level 5
Analysis, research and problem solving				x		

Customer Care			x			
Computer and IT Literacy				x		
Managerial Competencies						
Strategic Thinking and Planning			x			
Promoting Change through Creativity				x		
Leading People and Performance			x			
Managing Relationships				x		
Operations, Processes and Information Management			x			
Industry Awareness and Understanding				x		
Technical Competencies						
Financial Economics and Financial System Analysis				x		
Applied Statistical Methods				x		
Financial System Policy/Market Regulations and Frameworks			x			
Econometric Modelling			x			

Experience and Qualifications

- A Master's degree (at MQF Level 7) in Mathematics or Statistics or Finance or Economics or a related discipline together with 2 years' experience in quantitative analysis, preferably in stress testing and risk modelling

  OR

  An Honours First degree in Mathematics or Statistics or Finance or Economics or a related discipline (at MQF Level 6) together with 4 years' experience in quantitative analysis, preferably in stress testing and risk modelling.

- Knowledge of financial stability, financial markets and economic concepts and the ability to understand the linkages and interdependencies as well as stress testing methodologies and the development of risk measurement models will be considered as an asset.
- Advanced econometric and statistical analytical/computation skills.
- Experience in leading small teams will be considered an asset.

- Proficiency in the use of Microsoft applications and econometric software packages, such as Eviews and STATA, R, Python or MATLAB.
- Excellent verbal and writing skills with very good drafting abilities.
- Ability to work within a team and under pressure to meet tight deadlines.

Working Relationships and Lines of Communication

Internal

- Head, Deputy Head of Department and Manager – Macroprudential Policy, Stress Testing and Research (MPSTR)
- Team members within the MPSTR Department
- Various departments within the Bank depending on nature of the tasks/projects.

External

- MFSA, Ministry for Finance and Employment, NSO and other data providers
- International organisations such as the ECB/ESCB/Eurosystem/SSM, the ESRB, the EBA, the IMF, and credit rating agencies for exchange of data and information, report compilation, meetings and written procedures.
- Credit institutions

Physical Dimensions

Three persons report to this position

To Be Completed by Each Employee in the Role

Employee's Name	
Employee's Signature	**Date**
Head of Department's Signature	**Date**