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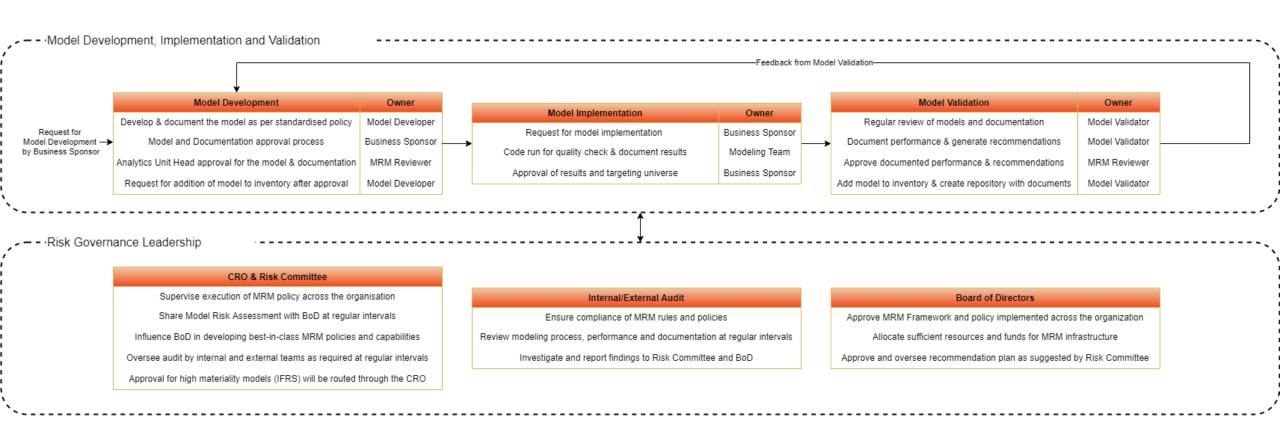


Model Risk Management Checklist





WORKFLOW WITH RESPONSIBILITIES



ORGANISATION & GOVERNANCE

OWNFR

Risk Management Committee

APPROVER

Senior Management & BoD

REVIEWER

Internal Audit/External Audit

- Supervise and execute the defined MRM policy defined by the Board
- Share the findings on high impact/high materiality models, validation results and create a mitigation plan
- Influence the board on creating best in class compliance procedures and MRM capabilities
- Document overall model risk assessment for the portfolio and share it with the board for approval
- Consider adverse and ongoing external environment into the evolving strategy

- Approve defined MRM framework and policy and ensure implementation
- Approve the Model Risk Appetite Statement for the bank
- Allocate sufficient resources and funds for MRM infrastructure to ensure regulatory compliance
- Drive actions based on audit results across the organisation
- □ Review the overall MRM framework annually
- Review the model reports on a quarterly basis for high impact models and on a half yearly basis for low impact models

- Review the MRM framework and policy for completeness and conceptual soundness
- Audit the strategy and documentation on an annual basis and on a more regular basis during adverse external situations, for example, COVID
- Document and present the gaps to the senior management for approval

MODEL DEVELOPMENT

- OWNER Model Developer	APPROVER Business Sponsor	Analytics Unit Head/MRM Reviewer
 Develop model end-to-end based on the established standardised procedure Document model building process in a standardised format: Model Objective Modelling Framework Data Quality Check Modelling Process Assumptions and limitations Ensure the model satisfies minimum performance criteria Verify that the model is aligned with the implementation strategy 	 Ensure the model is in line with the business expectations Verify that the model is aligned with the implementation strategy and can be integrated with the existing IT systems 	 Review the model performance, modeling process, conceptual soundness, etc of the model and flag any potential concerns or issues Ensure the model is in line with the business expectations

MODEL IMPLEMENTATION

OWNFR APPROVER RFVIFWFR Modelling Team Business Sponsor/User Business Sponsor/User Check the quality of the code in terms of Send request for implementation of model to Ensure the correctness of the implementation business requirements to ensure error-free the Model Ops Team logic, infrastructure, targeting base, etc implementation Analyse the implementation run results and Code run by modelling team with results in approve if the performance satisfies minimum terms of eligible base based on model shared defined criteria Suggest any changes based on any changes in with business sponsor over email Make changes in the modelling pipeline/code eligibility criteria or changes in campaign based on ad hoc requests from business strategy etc sponsor/user

MODEL VALIDATION

- OWNER Model Validator	RECOMMENDATION MRM Reviewer/Analytics Unit Head	Model Developer and Business Sponsor
 Document the validation performance on the following components: Statistical Soundness Conceptual Soundness Ongoing Monitoring Business Impact Analysis Analyse the performance against industry or internally defined benchmarks, assign a RAG status and recommendations on consequent model usage Review the model documentation in case of high impact models 	 Ensure the model is in line with the provided documentation and the methodology, usage and implementation of the model are incremental for business Approve the documented performance Analyse the results to gain insights and create a mitigation plan to strategize for the future of the model 	 Review the suggested changes to the model and call out any challenges Make the changes as suitable to the performance and use of the model