TURN RISK APPETITE INTO PRACTICAL DECISION MAKING TOOLS

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Risk Appetite is the level of Risk that an organization considers acceptable to take in pursuit of its strategic objectives in the existing and future environments, before corrective action is deemed necessary.

It is an integral component of Enterprise Risk Management (ERM)





In the course of conducting business, every organization is exposed to a variety of risks.

Traditional view of Risk Management Hurdle to creativity & innovation



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Modern view of Risk Management

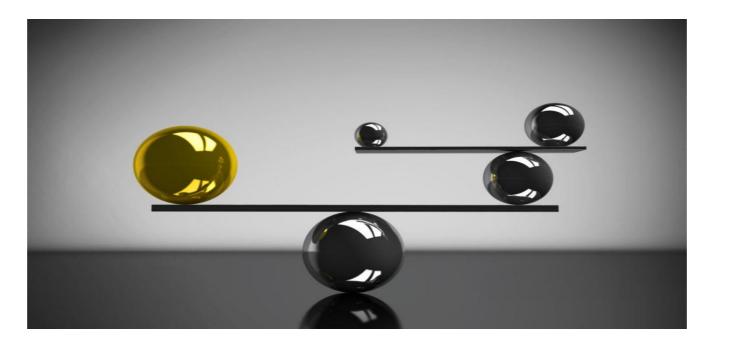
Business enabler / partner to success





Values & objectives of articulating Risk Appetite

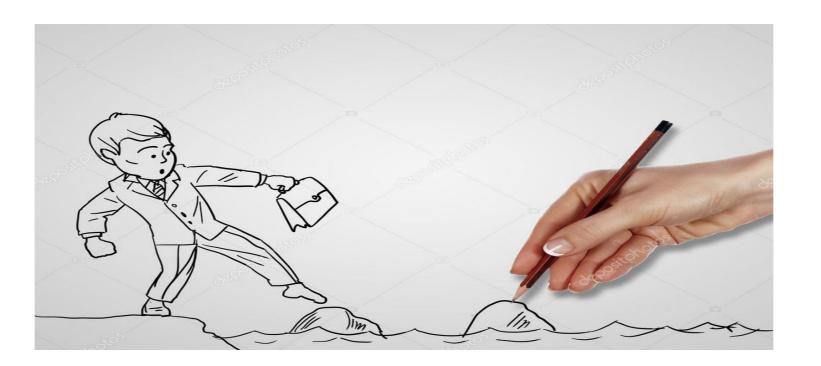
- ☐ Reach a suitable balance between uncontrolled innovation and excessive caution
- ☐ Provide guidance for people on the level of risk permitted and promote uniformity of tactics and vision across an organization
- ☐ By defining acceptable levels of risk, the organization ensures that resources are not drained on further mitigating risks that are already considered within the acceptable level.





Values & objectives of articulating Risk Appetite

- ☐ Establish clear boundaries for overall risk taking & Improve management confidence and discussions regarding the Bank's risk profile
- ☐ Enable unused risk capacity to be identified and thus profitable opportunities to be highlighted





Translating Risk Appetite into action

IDENTIFY
STRATEGIC
GOALS &
OBJECTIVES

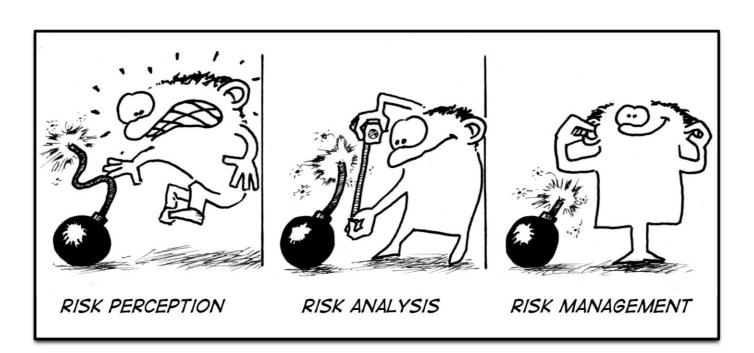
FORMULATE RISK APPETITE STATEMENT

COMMUNICATE RISK APPETITE STATEMENT IMPLEMENT RISK APPETITE STATEMENT MONITOR &
MANAGE RISK
APPETITE



Translating Risk Appetite into action

- ☐ Risk Appetite works as a framework for decision making
- ☐ The value of Risk Appetite is showcased when it leads to tangible change across the organization
- ☐ Communication is of vital importance
- ☐ Senior Management team should periodically evaluate the decision making against Risk Appetite to ensure conformity between desired outcome and roadmap





Risk Appetite should be

- ☐ Focused
- ☐ Relatively simple in structure
- **□** Actionable
- **☐ M**easurable
- ☐ Easily communicated











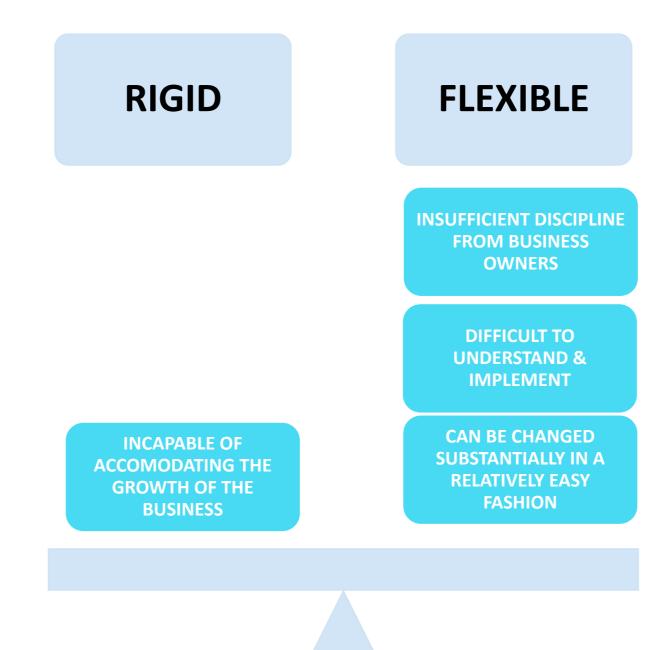
QUALITATIVE

- ☐ General
 Principles
- List of acceptable products & activities

QUANTITATIVE

☐ Key Risk Indicators (KRIs)

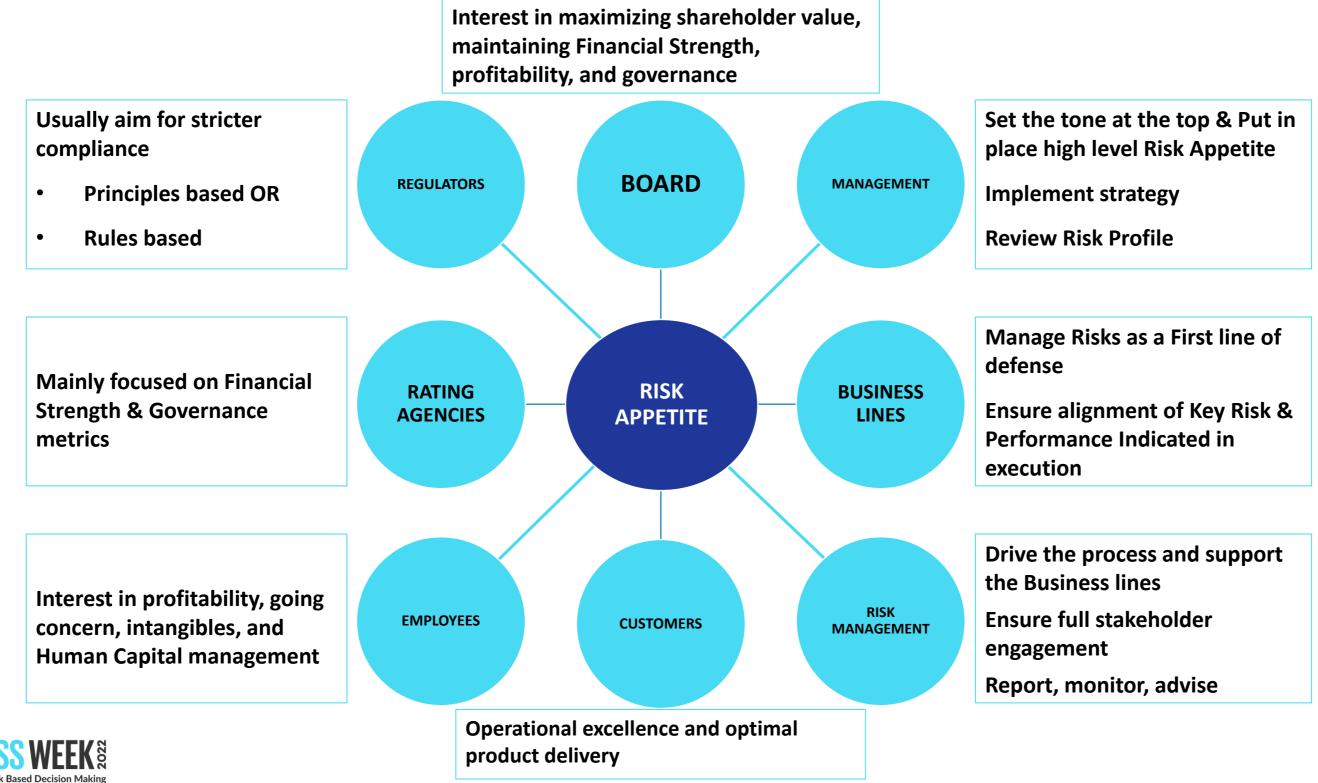




The right balance between rigidity and flexibility may well shape the success or the failure of the framework, and requires careful judgement, as well as complete alignment and engagement from Board and senior management



Developing & maintaining a Risk Appetite framework is not only a Risk Management project. Many stakeholders have a vested interest in the setup, execution & calibration of this process.



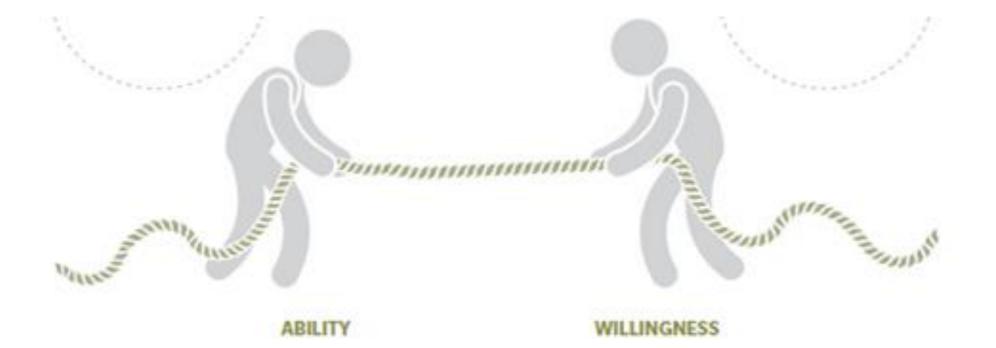


Risk Appetite

The amount of risk the organization is willing to accept to achieve its strategic objectives. It is quantified and determined through a target around which the organization is comfortable to operate

Risk Tolerance

The amount of risk the organization <u>can accept</u> in the conduct of business. It is related to the acceptance of the outcomes of a risk should they occur, and having the right resources and controls in place to absorb or "tolerate" the given risk. It acts as a buffer zone providing management with time to react before a breach of internal or regulatory limit occurs up until an escalation is warranted





Risk Thresholds

Limits that cannot be breached and to which immediate corrective action needs to be undertaken



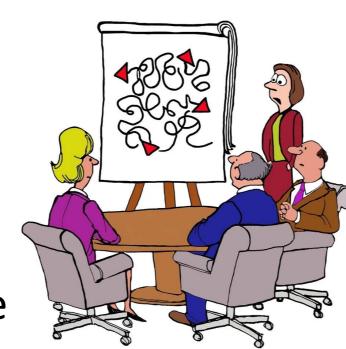




Step 1: Identify Strategic goals & objectives

Assess Status Quo

- Historical Business model & risk profile
- Historical disruptive events / losses and the organization's response
- Current risk capacity
- Existing policies and limits structure
- Board risk oversight
- The organization's values
- Risk culture



"The way forward is clear."

Translate to strategic vision

- Target Business model and strategic objectives
- Target Business mix
- Ability to withstand Stress tests
- Investors expectations
- Discussions and interviews with key executives and directors
- Competitor business model alignment / divergence





Step 1: Identify Strategic goals & objectives

Assess Status Quo

- Current Loan to Deposit Ratio
- Current exposure to real estate sector
- Current concentration by country
- Current Capital Adequacy Ratio
- Current Short Term Liquidity
- Losses related to Operational Risk
- Losses related to Cyber security





Translate to strategic vision

- Increase exposure to growth sectors
- Decrease exposure to cyclical sectors
- Increase investments and control loans growth
- Increase guarantee coverage
- Increase cybersecurity resilience
- Increase automation in Operations

0 ...



Step 2: Formulate Risk Appetite statement

RISK APPETITE	AVERSE	CAUTIOUS	GROWTH	AGRESSIVE
RISK TAKING PHILOSOPHY	Avoidance of risk is a core objective	Preference for safe execution	Tolerance to accept strongly justified risks	Tolerance to accept justified risks
WILLINGNESS TO ACCEPT UNCERTAINTY	Extremely Low amount of uncertainty tolerated	Limited amount of uncertainty tolerated	Some uncertainty is expected	Uncertainty is expected and accepted as part of the game
WILLINGNESS TO SELECT OPTIONS WITH VALUE AT RISK (VaR)	Choice of options with lowest VaR	Limited choice of options with high Reward to Risk ratio	Options with moderate VaR are acceptable but mitigation is preferable	Acceptable options are ones with high return even with a potential for failure
WILLINGNESS TO TRADE OFF RISK WITH SUPERIOR SUCCESS METRICS	Not acceptable	Preference to avoid trade offs	Acceptable under the right conditions	Acceptable and willing

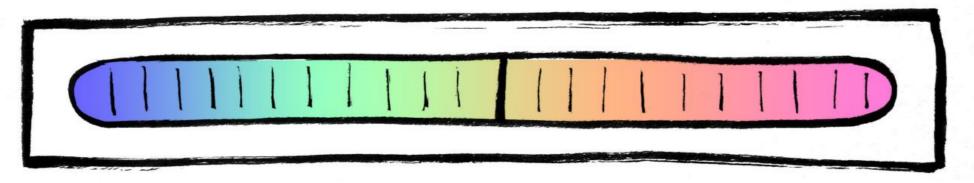




Step 2: Formulate Risk Appetite statement

Sometimes, Risk Appetite can gravitate within a certain range oo the aversion / aggressiveness spectrum: an organization may have an appetite for some types of risk and be averse to others, depending on the context and the potential losses or gains.







IDENTIFY
STRATEGIC GOALS
& OBJECTIVES

FORMULATE RISK
APPETITE
STATEMENT

COMMUNICATE
RISK APPETITE
STATEMENT

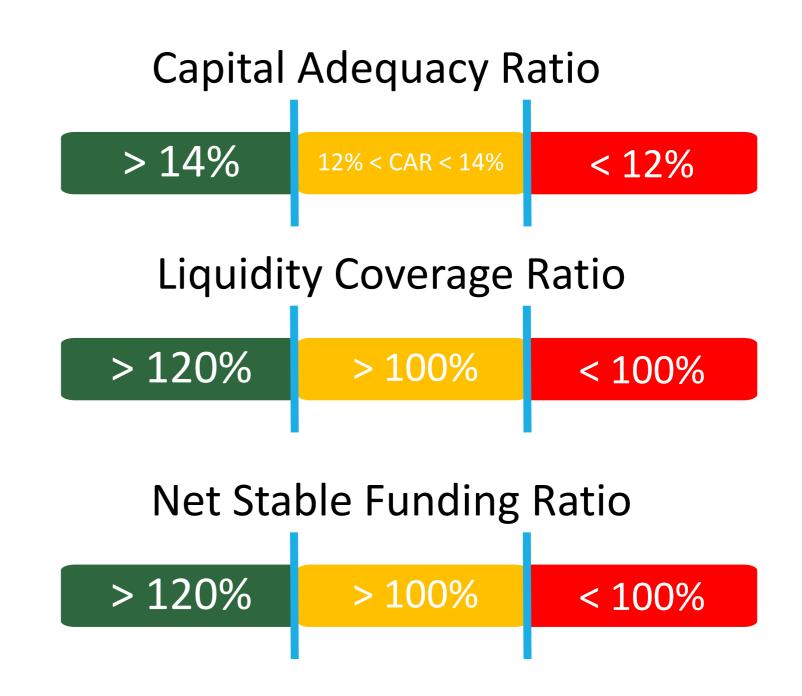
IMPLEMENT RISK
APPETITE
MANAGE RISK
APPETITE
STATEMENT

MONITOR &
MANAGE RISK
APPETITE

Step 2: Formulate Risk Appetite statement

Setting limits

Start with high-level (General) metrics that set the tone to the overall framework







Step 2: Formulate Risk Appetite statement

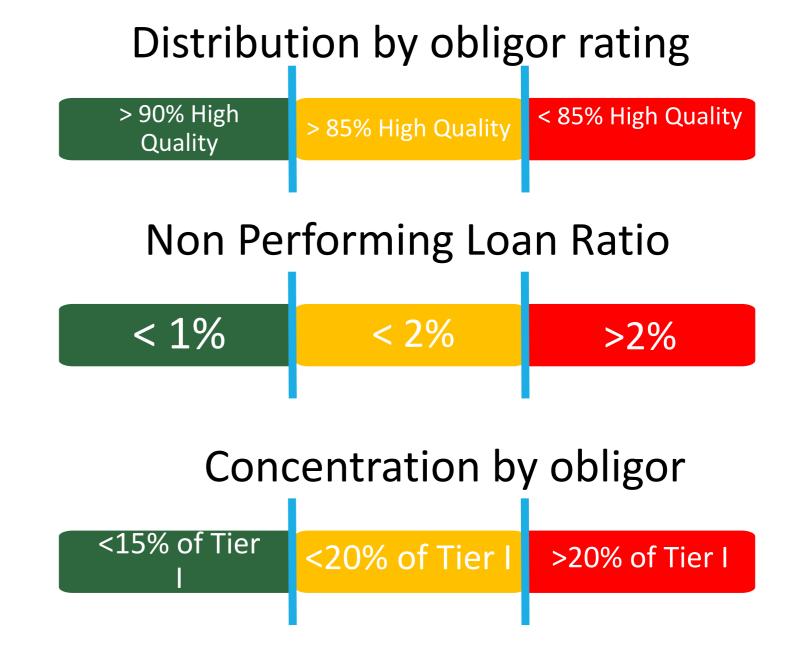
Setting limits

Then start drilling down by activity / Risk Profile

e.g: Credit Risk Appetite

- Distribution by obligor credit rating
- Concentration by country
- Concentration by economic sector
- Concentration by guarantee taken

O ...







Step 2: Formulate Risk Appetite statement

PROFITABILITY LIMITS

- Long Term Value Creation / Cost of Capital (ROE / RAROC)
- Earnings At Risk (EaR)
- Restrictions in sources of earnings volatility

REPUTATIONAL GOODWILL

Number of customer complaints

INFORMATION SECURITY OF MANAGEMENT SYSTEMS (ISMS)

- Incidents of breaches in Confidentiality
- Incidents of failures in Integrity of Data
- Incidents of non-availability of Data

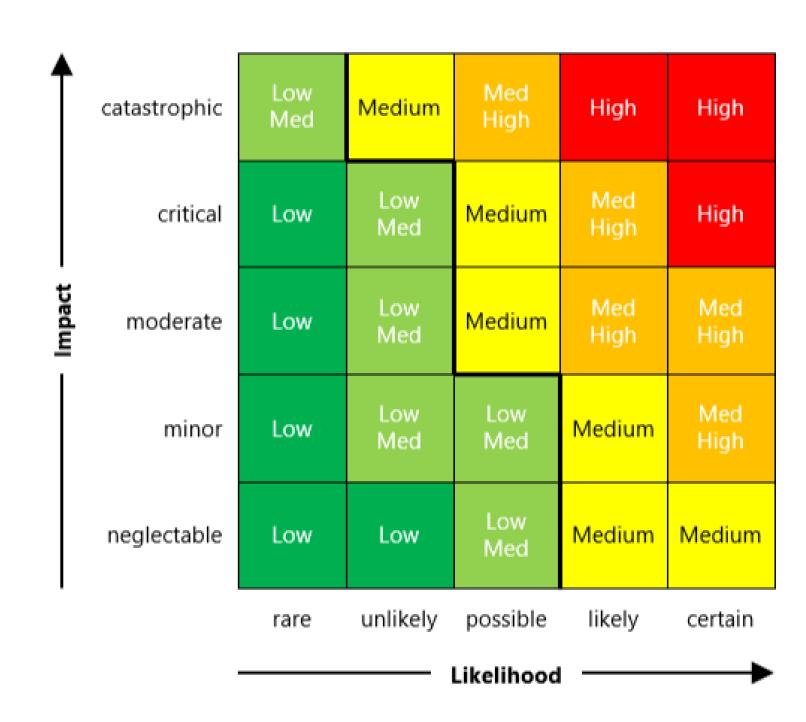




Step 2: Formulate Risk Appetite statement

Operational Risk Appetite Matrix

Conduct a Risk Controls Self
Assessment (RCSA) in which all
operational risks are listed and scored
based on Likelihood x Impact along
with the controls in place to assess
the residual score after
implementation of various mitigation
techniques







Steps 3 & 4: Communicate & Implement Risk Appetite Statement

Once the Strategic objectives & goals are identified and the Risk Appetite is formulated explicitly, the framework is communicated to all stakeholders for implementation







Step 5: Monitor & manage Risk Appetite

MONITOR

Key Risk Indicators are setup on a Management Dashboard with periodical reporting.







Step 5: Monitor & manage Risk Appetite

CALIBRATE

Quarterly progress reports are shared between Risk Management & Executive Committee to ensure conformity of business activity, strategy in place, and Key Risk Indicators.

Reality always has a tendency to challenge even the most robust of assumptions, and a calibration based on heuristics is always a welcome idea

Stay dynamic and responsive to changing conditions

Identify assumptions that turned out to be inaccurate

Tackle the correlation between various risks

Draw a clear picture of the firm's Risk Profile

Collect KRIs from across the organization





Step 5: Monitor & manage Risk Appetite

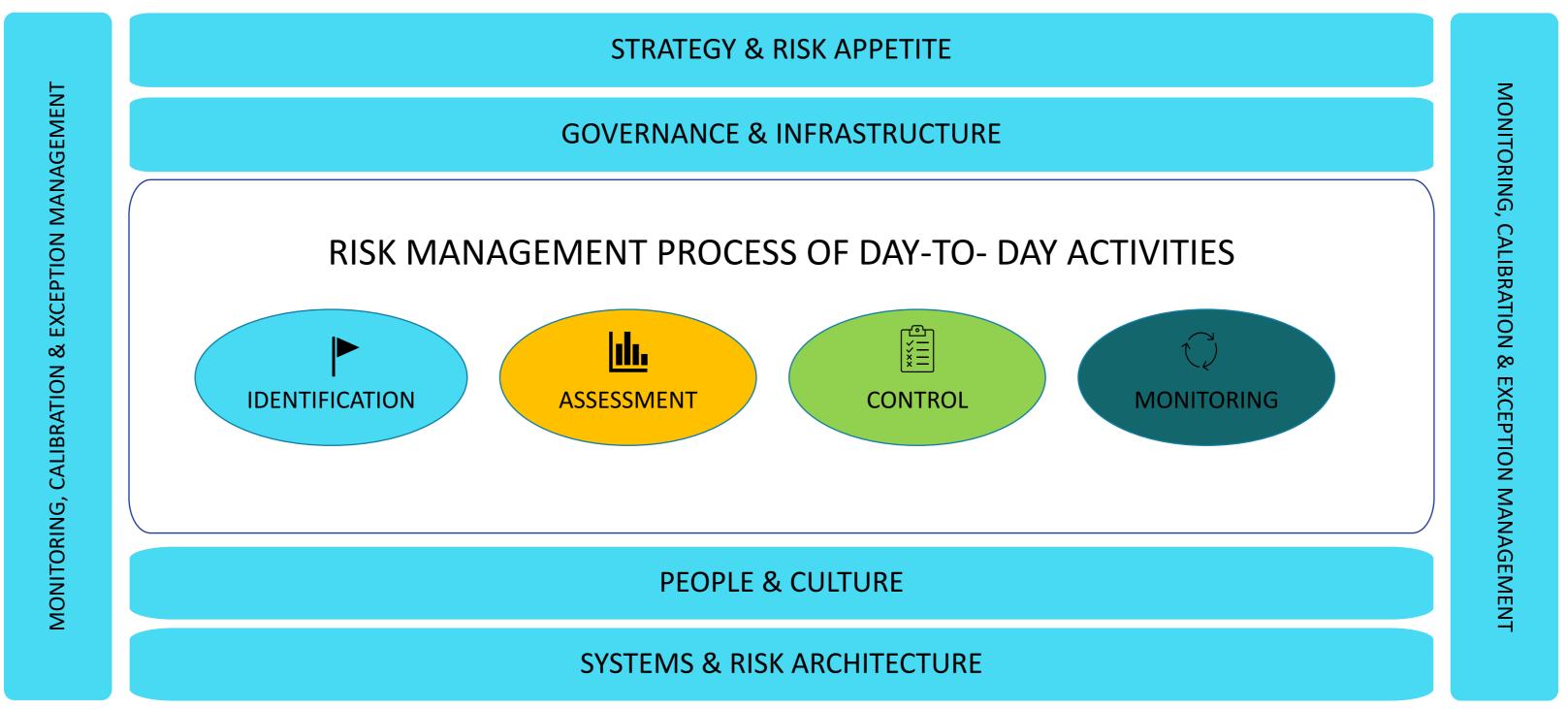
MANAGE EXCEPTIONS

- ☐ Breaches leading to non-compliance with Regulatory limits: No exceptions allowed. Breaches should be immediately handled with safeguards set in place to make sure risks are contained within these parameters consistently
- □ Breaches leading to non-compliance with internal guidelines: If temporary breaches due to one-time events, approve exceptions and keep in an internal log that will be shared with the Executive committee for further monitoring. Otherwise, escalate to Executive committee for decisive action
- ☐ Breaches stemming from / leading to divergence from agreed upon strategy: Monitor if exceptions are due to an erroneous setup of limits Vs Strategy, or from an intentional / accidental divergence from the strategy. Exceptions allowed, but a review of the underlying framework should be planned to either alter limit structure or alter strategy





Step 5: Monitor & manage Risk Appetite





USING RISK APPETITE TO MONITOR RISK EXPOSURES AND ACTIONING STOP LOSSES

Escalation process when Risk Tolerance is breached

Step 1

Risk informs the Executive Committee for decision making

Step 2

Risk informs Business Units of Executive Committee decision for remediation

Escalation
process when
Risk Threshold is
breached

Step 1

Risk informs Executive
Committee for immediate
remedial action. Stop Loss
orders are enforced when
applicable

Step 2

Risk escalates the breach for BOD via the Board Risk Committee

RISK APPETITE

RISK TOLERANCE

RISK THRESHOLD



EPILOGUE

CHALLENGES

- Lack of engagement from upper management would inevitably impede the framework if not make it impossible to implement
- ☐ Data intensive process: Possible technological limitations where it may be very hard in some organizations to organize centralized dashboards to be updated on-demand
- ☐ Difficulty in linking cascading Top-Down indicators to the existing Bottom-Up limits and to the Line of Business and entities
- ☐ Presence of too many KRIs may make the monitoring and action taking somehow challenging

ENHANCEMENTS

- ☐ Try to complement the existing framework with a Top-Down approach connected to strategy and bottom up limits
- ☐ Simplify the overall limit framework by defining the cascading principles per risk type, per legal entity and per business line

EPILOGUE

Exhibit 1: Evolutionary path of embedding risk appetite

FIRST GENERATION

- RAS are generally more qualitative and may lack specific metrics around concentration, liquidity or funding
- Basic elements of the risk appetite framework are in place but not fully institutionalised e.g. having ongoing reporting and monitoring processes but absent or ad hoc governance or breach management
- No or very limited linkage of group-level risk appetite to business processes such as strategic planning, budgeting and limit-setting

SECOND GENERATION

- RAS combines both qualitative and quantitative metrics for expressing type and amount of risk that the institution is willing to pursue or retain
- RAS helps drive risk culture and is linked to key business processes e.g. product innovation and strategic planning
- Governance process is in place for re-calibration or enhancement of RAS
- No or very limited cascading of group RAS to subsidiaries or divisions

THIRD GENERATION

- Focus on enhancing metrics to be more forward looking and more formally developed in all areas, in particular for operational and non-financial risks (reputation, conduct risk)
- Risk appetite linked to most business processes with well established governance, oversight and breach management in place
- Bespoke risk appetite statements developed for subsidiaries and/or divisions; business line limits/risk metrics rolled out and tightly aligned with group RAS

% OF BANKS THAT FALL IN EACH CATEGORY ACROSS INDUSTRY*1







*1 Based on RMA Oliver Wyman risk appetite survey of 65 institutions.

www.oliverwyman.com



EPILOGUE

"A SHIP IN THE HARBOUR IS SAFE, BUT THIS IS NOT WHAT SHIPS ARE BUILT FOR"



