Technical -Approach

Telecom Security

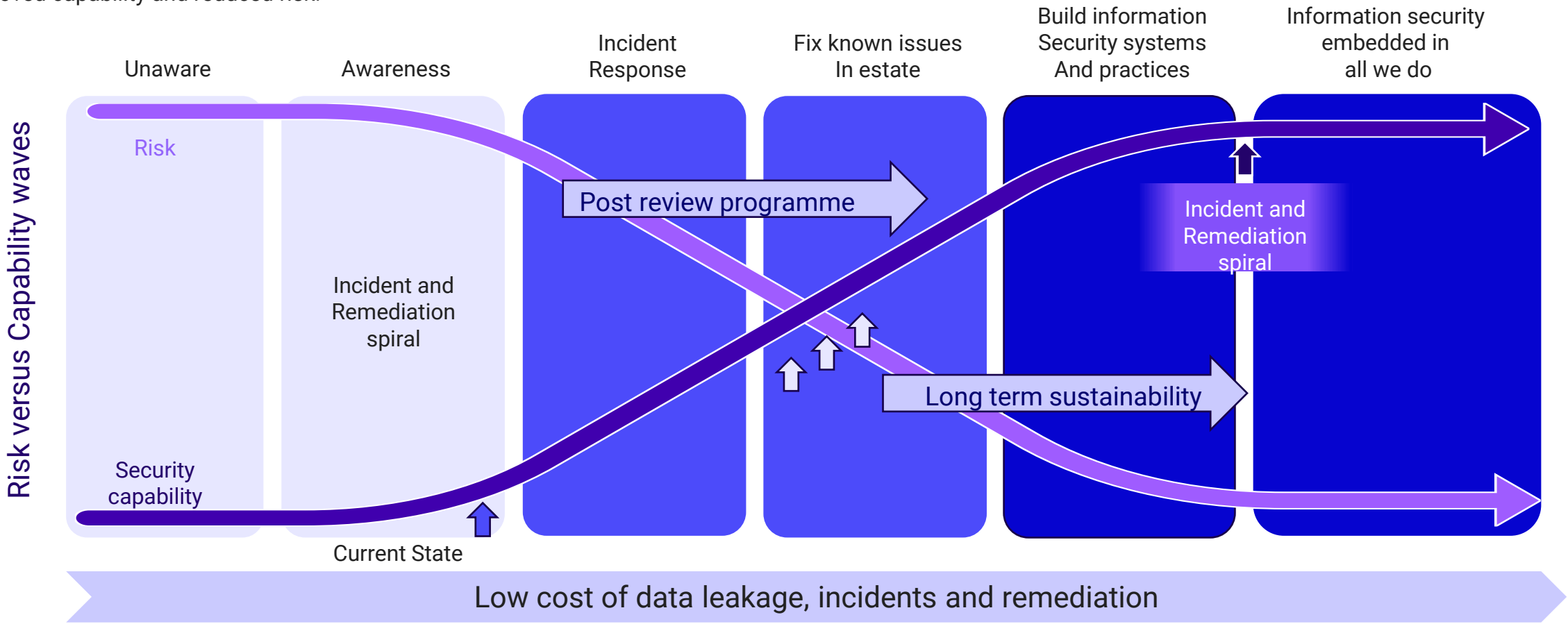
Infopercept

INVINSENSE

Roadmap and Assessment Framework

Develop roadmap for security and controls improvement

The diagram below illustrates how we will support you on your journey towards improved capability and reduced risk.



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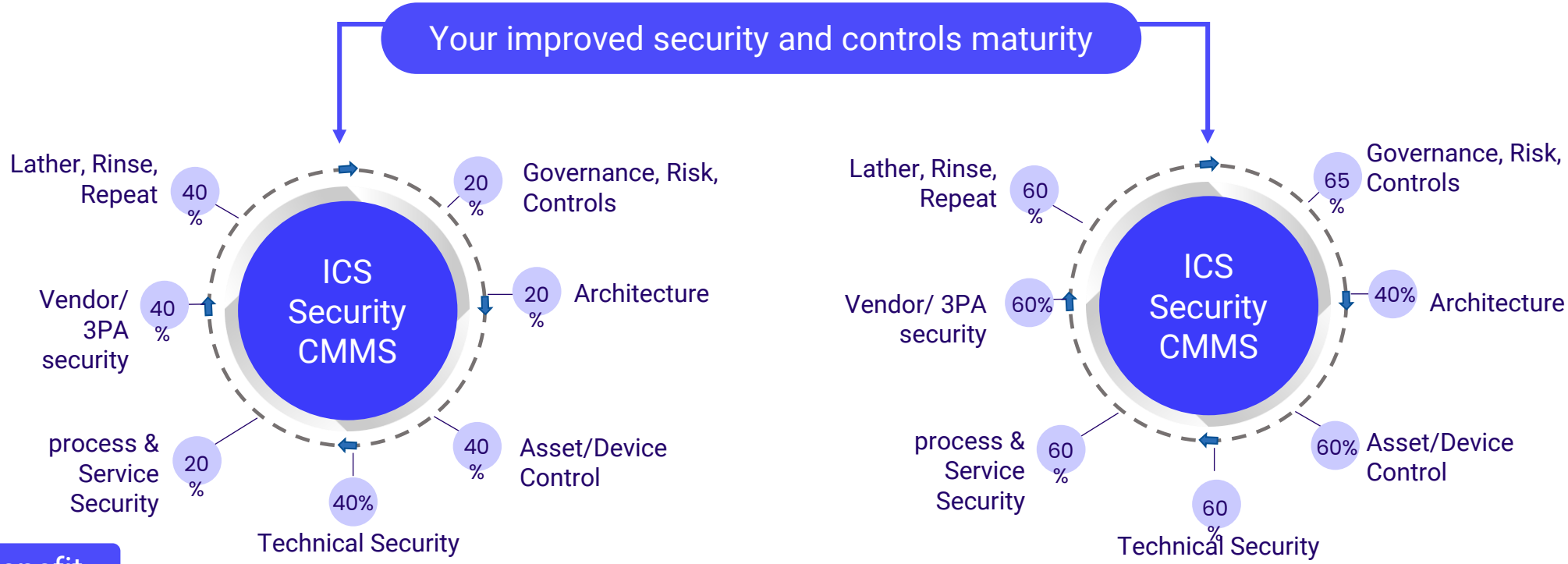
We will use all material collected throughout the review to develop an integrated, security and control roadmap that takes you to where you want to go. We will work with you to understand and define your risk appetite and set maturity objectives that support that appetite. Based on the outputs of the Risk Assessment, Controls review and our understanding of your current maturity assessment we will then outline the steps that need to be taken to reach your desired maturity state and detail what specific activities are required.



Benefit

- Defined baseline, ability to prioritise actions to address key risks and achievable and realistic maturity objectives.

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Approach to Telecom Network Security Process Review

Initiate

Objective: Obtain an understanding of current set-up and plan activities

- Identify stakeholders and strategic partners
- Conduct initial discussions with stakeholders and obtain understanding of current setup
- Prepare detailed activity based project plan for the process review
- Conduct kick off presentation with the key stakeholders and obtain their buy in
- Identify SPOCs for various processes to be reviewed and circulate meeting calendar

Design review

Objective: Carry out process design review for scope of work defined

- Conduct initial meetings with SPOCs identified to obtain understanding of as-is processes
- Prepare list of documents required for review as share with SPOCs
- Perform design review based on the process documentation and identify gaps, if any
- Discuss the gaps identified with SPOCs and obtain their buy-in
- Finalize gaps and provide recommendations for closure of gaps

Implementation Review

Objective: Conduct implementation review as per the scope defined

- Agree on the sample size and perform sample selection for implementation review
- Conduct physical walkthrough of the facility and perform floor assessment of personnel in terms of awareness
- Conduct system review, as and where required
- Review the artifacts/ evidences shared for the sample selected and identify gaps, if any
- Discuss gaps with SPOCs and obtain their buy-in
- Provide recommendations for the gaps identified

Report

Objective: Consolidate gaps identified and communicate to stakeholders for closure

- Prepare process review report for design and implementation review and share with stakeholders
- Obtain feedback from the stakeholders on the report shared
- Update report to incorporate feedback from the stakeholders
- Share the final report with the stakeholders

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Approach to Network Architecture Design Review

Initiate

Objective: Obtain an understanding of current set-up and plan activities

- Identify stakeholders and strategic partners
- Conduct initial discussions with stakeholders and obtain understanding of current setup
- Prepare detailed activity based project plan for the process review
- Conduct kick off presentation with the key stakeholders and obtain their buy in
- Identify SPOCs for various processes to be reviewed and circulate meeting calendar

Assess

Objective: Conduct architecture design review

- Conduct meetings with SPOCs and obtain understanding of the network architecture
- Request SPOCs for network architecture design diagrams
- Conduct network architecture validation and design review from central location
- Identify gaps in the network architecture design
- Conduct meetings with SPOCs for discussion of the gaps and obtain buy-in

Report

Objective: Consolidate gaps identified and communicate to stakeholders for closure

- Prepare architecture design review report, provide recommendations for the gaps identified and share with stakeholders
- Obtain feedback from the stakeholders on the report shared
- Update report to incorporate feedback from the stakeholders
- Share the final report with the stakeholders

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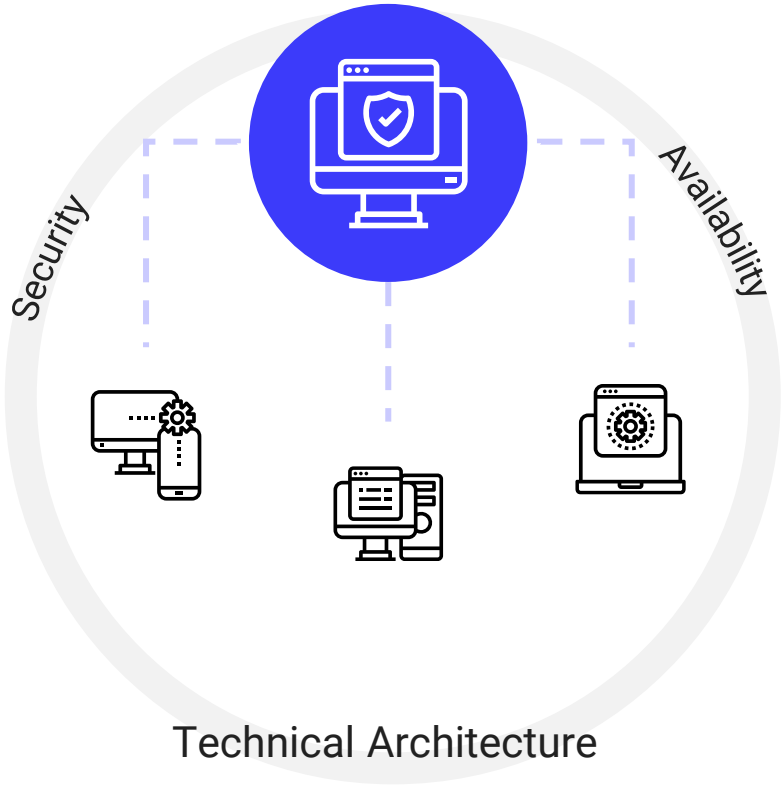
Network Architecture Review Principle – Illustrative

Security Aspect

- Network should be implemented in a layered and segregated architecture
- Existence and placement of security devices and solutions for complete network protection should be identified & verified
- Remote access to critical devices should be provided in a secure manner
- Critical data communication is encrypted
- Network perimeter devices that are connected to the external and un-trusted networks should be clearly identified and safeguarded

Availability Aspect

- Network design should minimize Single Point of Failure to maintain availability of critical devices and continuity of services.



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Approach to Telecom Network Security Review- Configuration Review

Initiate

Objective: Develop MBSS for in-scope node types

- Identify SPOCs for all vendors and across circles and obtain a high level understanding of the in scope network node types
- Prepare MBSS for each type of network node based on the policy, knowledgebase and OEM guidelines
- Share the MBSS with stakeholders and obtain their inputs
- Update the MBSS to incorporate inputs shared by stakeholders
- Prepare and discuss detailed project plan with stakeholders and obtain their sign-off

Adherence to the regulatory requirements

Assess

Objective: Perform configuration review

- Perform Network Element Security Review – Element Analysis
- Perform Configuration Review
- Perform Network Element Perimeter Security Review
- Perform Network Node Internal Security and Network Node Protection Policy
- Identify gaps, discuss with stakeholders and obtain their buy-in

Identification of vulnerable areas in the network

Report

Objective: Consolidate gaps identified and communicate to stakeholders for closure

- Finalize gaps and provide recommendations for closure of gaps
- Discuss the recommendations with Vendors and obtain their inputs
- Share report with stakeholders and obtain their inputs
- Update report to incorporate inputs and release final report

Structured approach for monitoring the security of network elements

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About Infopercept

Infopercept's vision and core values revolve around making organizations more secure through the core values of Honesty, Transparency and Knowledge, so as to enable them to make better informed decisions about their security practices & goals. With our synergistic vision to combine technical expertise and professional experience, we aim to further establish our place as a one stop shop for our clients and partners' cybersecurity and accreditation needs.

Our specialized core team comprises experienced veterans, technical experts & security enthusiasts having good practical experience & thorough knowledge in the Cybersecurity domain, latest trends, and security innovations; ensuring that you always get the best security approach & solution for your specific business needs exactly the way you want it to be.

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