

Risk Management in Global Software Development: A Position Paper

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Risk Management in Global Software Development

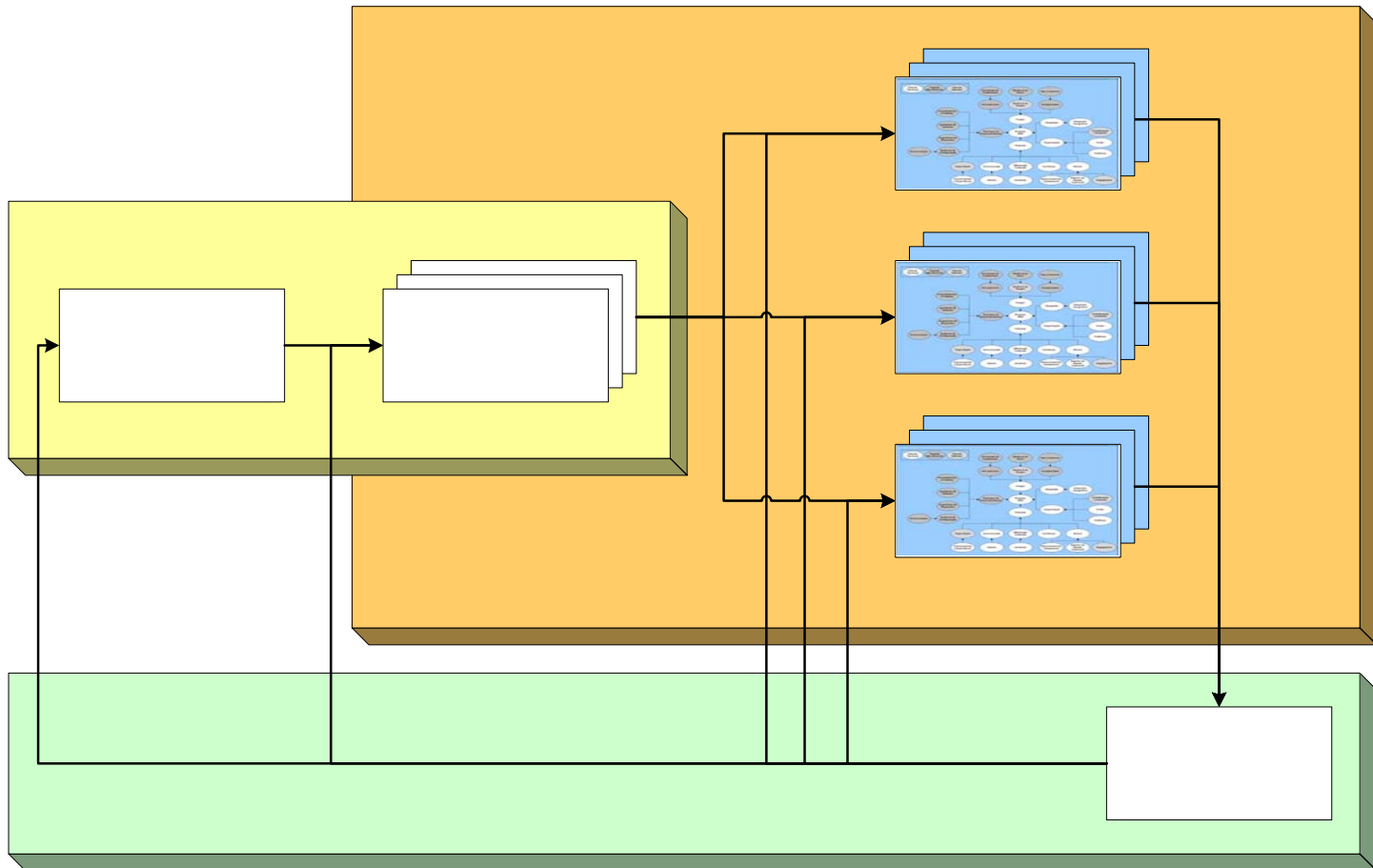
- Risk Management in GSD involves additional steps
- We lived some experiences with a wholly owned subsidiary that shows us that:
 - GSD involves additional steps and decisions that can impact in the risk management process
 - Having distant teams, using collaboration technologies, and developing specific solutions to distributed projects also adds more risk factors to the projects
 - We need to create a process that consider also decisions taken before the project start

Approach taken

Process Integration

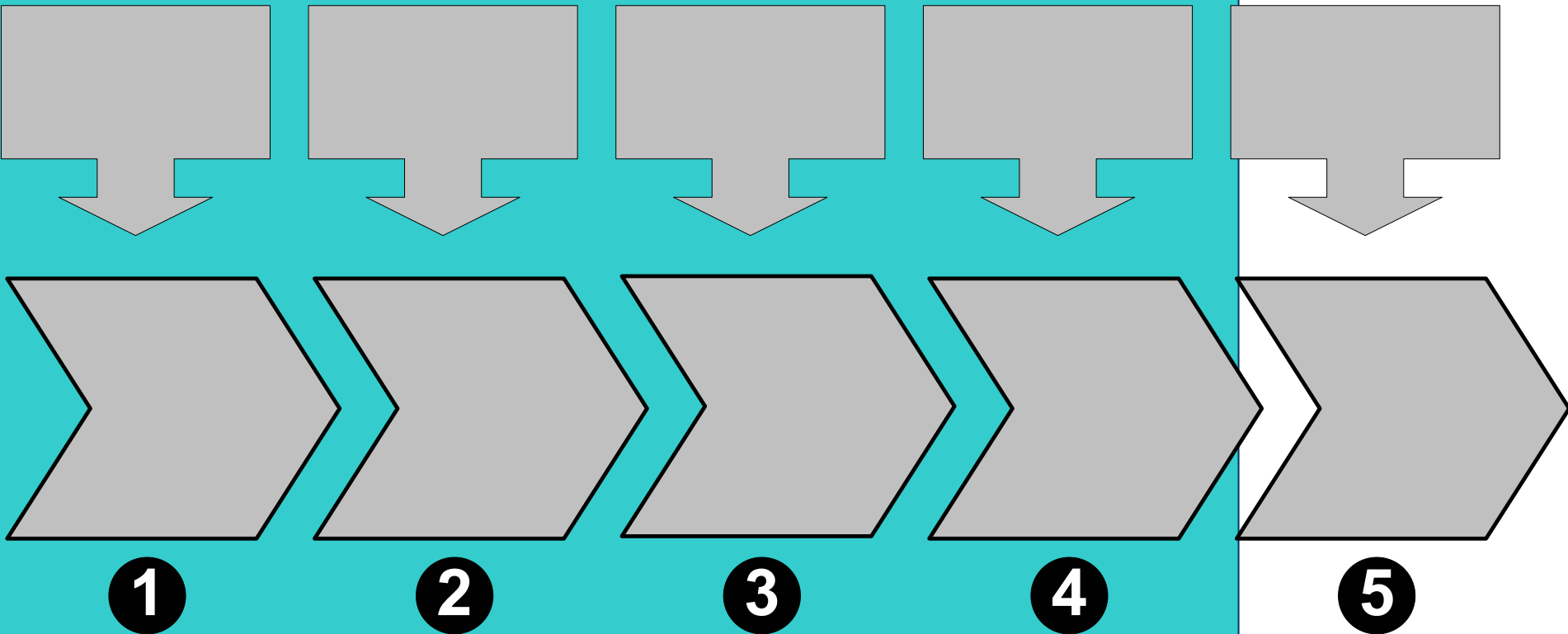
- Offshore Distribution Model
 - Software Development Distribution Model
- Strategic, Tactical and Operational levels
 - the long-term offshore road map
 - “which center” decision
 - project risk management process
- How can we integrate the processes?
- How can we benefit from the risk being managed in the early stages, before the project start its execution?

Approach taken Process Integration

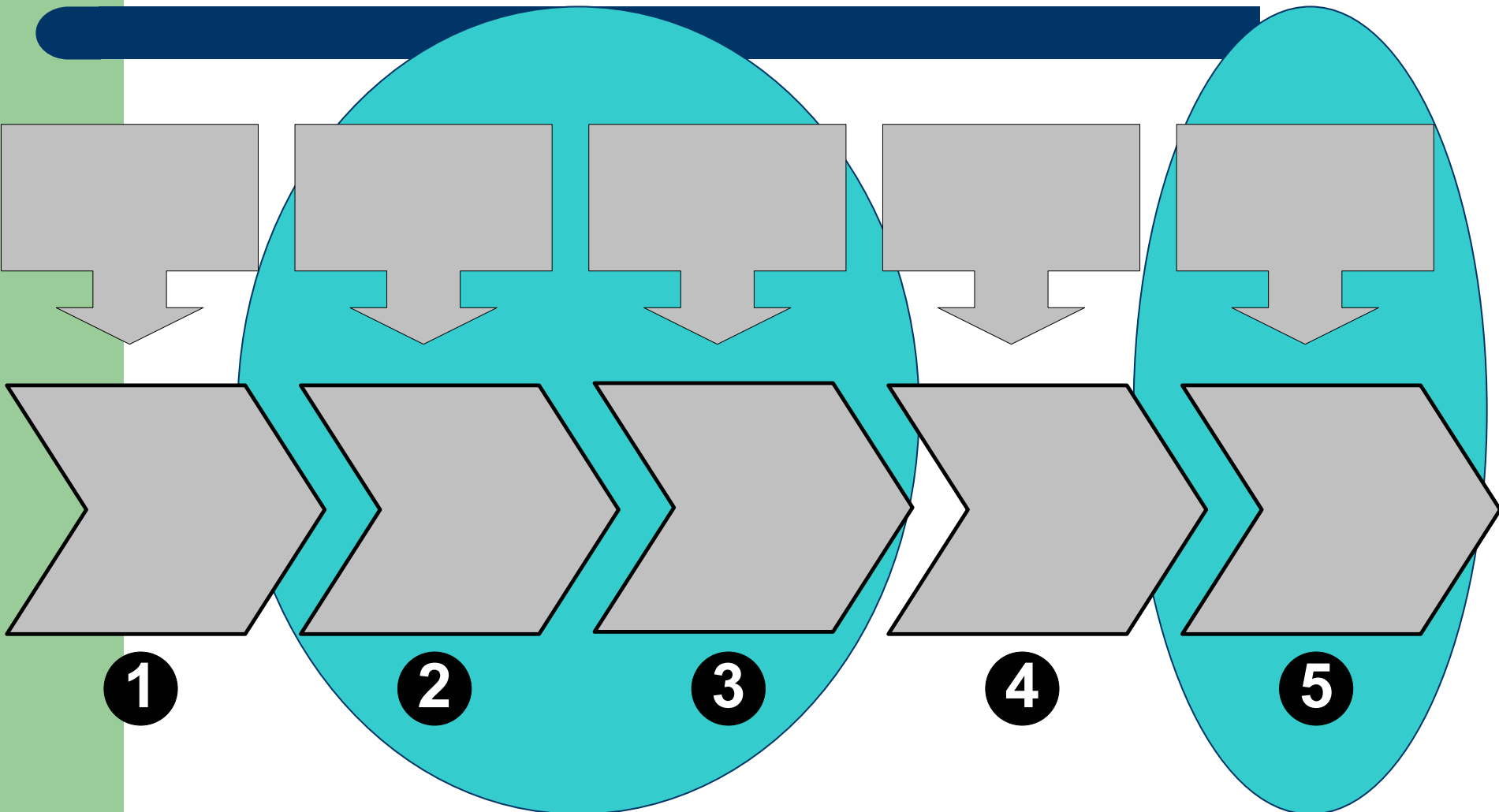


Approach taken Process Integration

Offshore Distribution Model



Approach taken Process Integration



Approach taken

Process Integration

- Process integration using formal modeling
 - UML Use Case diagrams to identify the main activities
 - UML Activity diagrams to detail each activity
- Standard artifact to identify and document risks in the earlier stages
- Lessons learned to be used when starting the Offshore Distribution Model for new projects to be developed by globally dispersed teams

Future Goals

- To evaluate the effectiveness of the risk management process in multinational organizations with global software development activities, considering all decision levels
- To validate this process integration
- To improve the process based on the feedback and results found