

DES 443 Business Process Model
and Management

2024

PROCESS ANALYSIS OF PROCUREMENT PROCESS

of Chiangmai Permpoon Construction Limited Partnership

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Prepared By:
Group 4

BUSINESS DESCRIPTION ::::

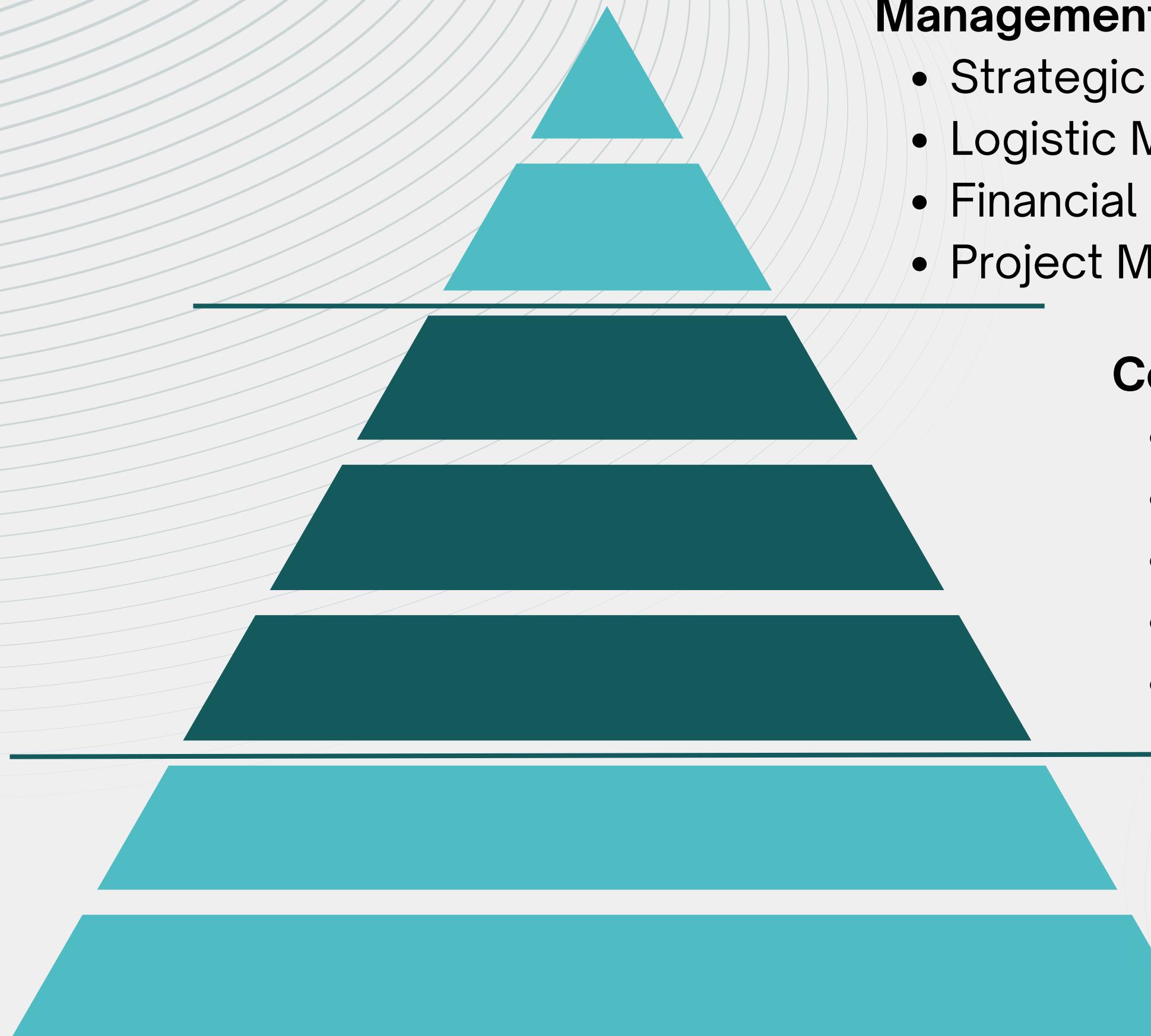


Chiangmai Permpoon Construction Ltd. Partnership

a private construction company that focuses on building construction project, with the scaling of not over 100 million baht budgeting, from government and private enterprises, revolving around:

- Project Management
- Cost Control
- Time Management
- Quality Assurance

PROCESS ARCHITECTURE (PA)



Management Processes

- Strategic Management
- Logistic Management
- Financial Management
- Project Management

Core Processes (Project Management)

- Project Planning & Initiation
- Procurement
- Project Monitoring & Control
- Project Execution
- Project Close - Out

Supporting Processes

- Human Resource
- Technology
- Supply Chain



Importance

Great management in procurement process leads to accomplish the project **on time, within the budget**, and **meets the standard**.



Health / Dysfunction

Poor procurement process may caused by delay and under-qualified of receiving materials, which is the **waste of time and money**.



Feasibility

Medium Possibility. It may require investment in procurement software and employee's training.



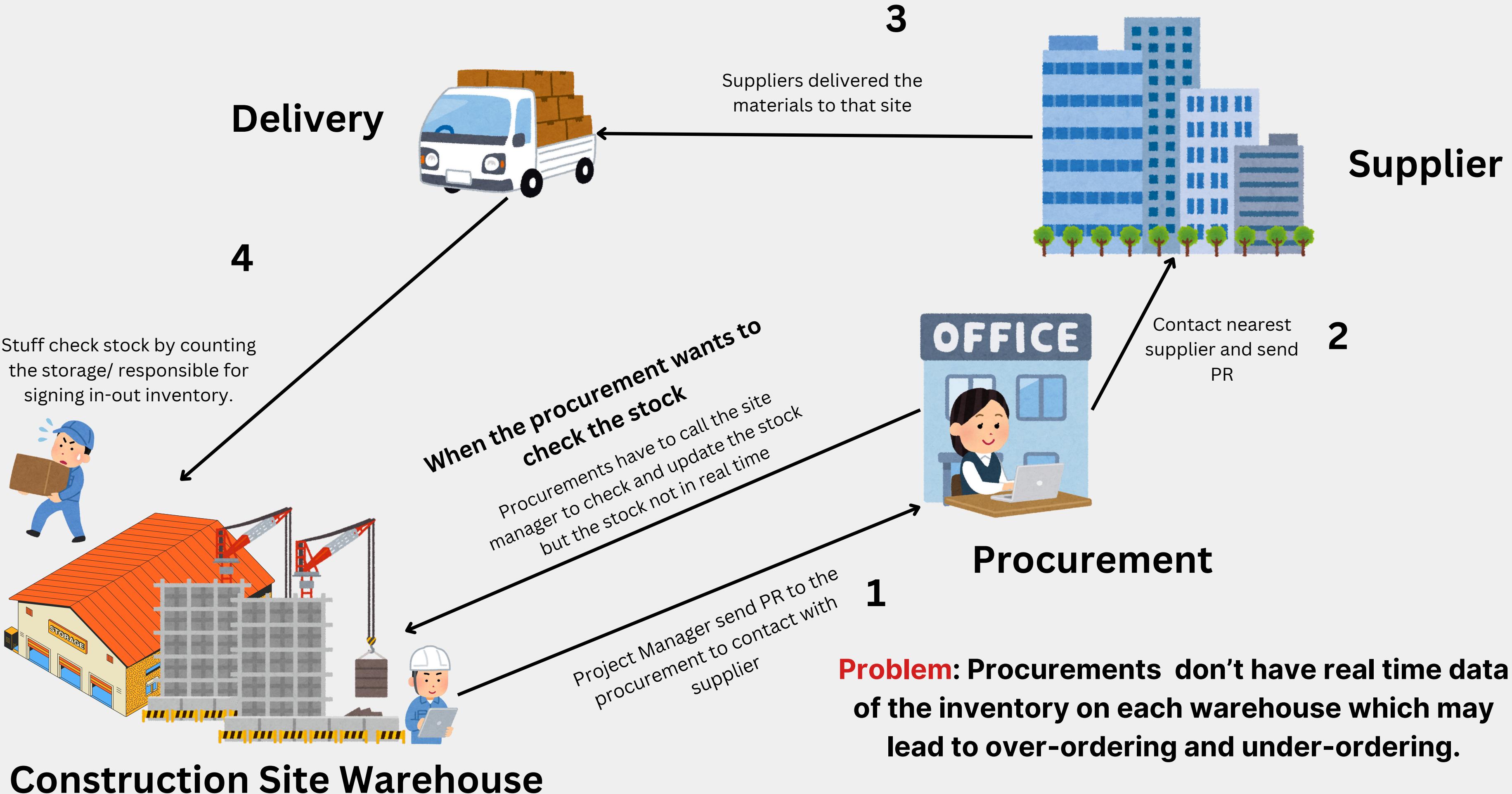
ISSUES IN THE PROCUREMENT PROCESS

Inventory Management

Inefficient tracking of materials can lead to *over-ordering* or *under-ordering*, resulting in excess inventory or project delays.

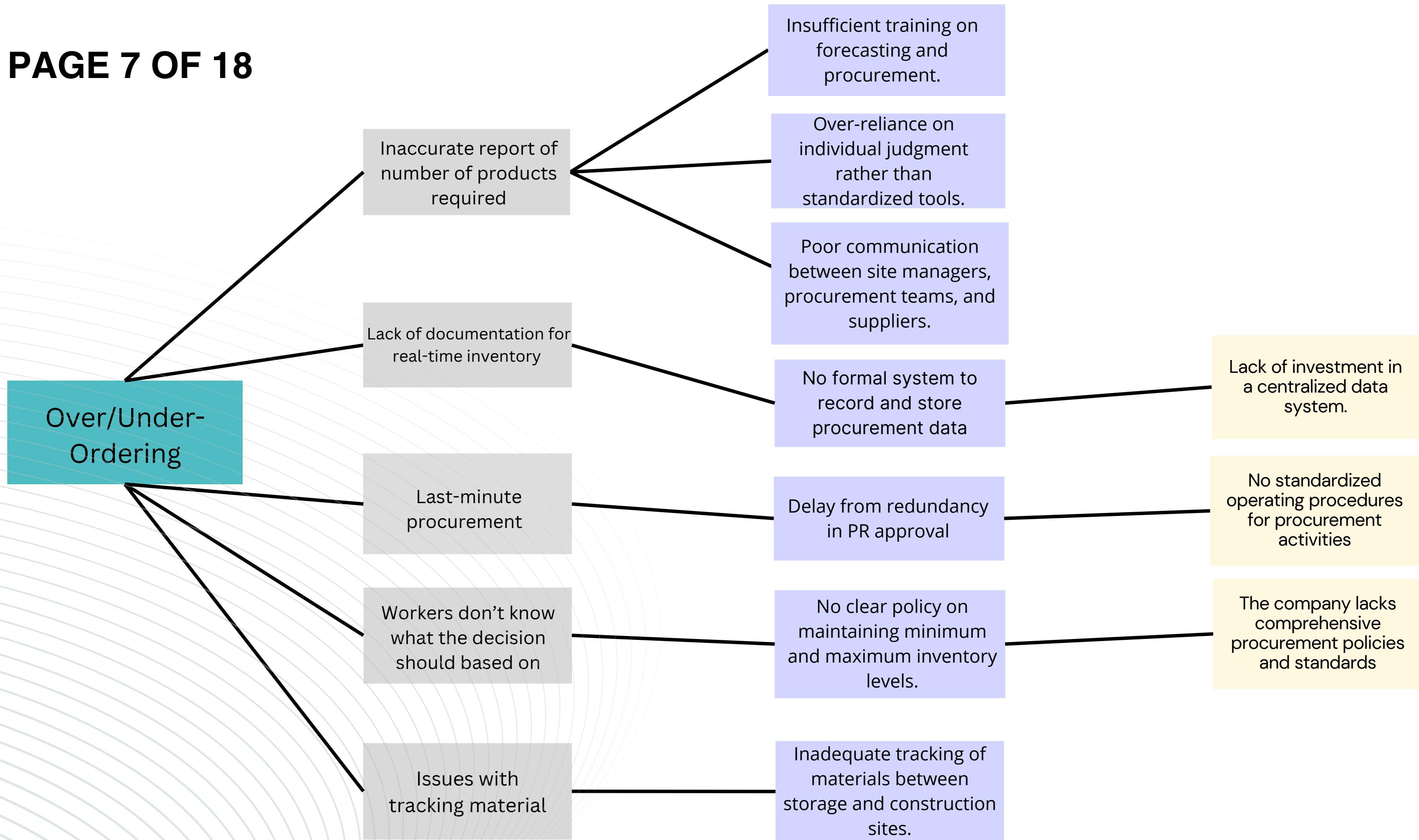
- **Over-ordering** happens when the procurements didn't check the stock availability before sending out the purchase order(*PO*).
- **Under-ordering** happens when materials needed in a construction site is not enough whether from miscalculation of the supplies needed or damaged materials.

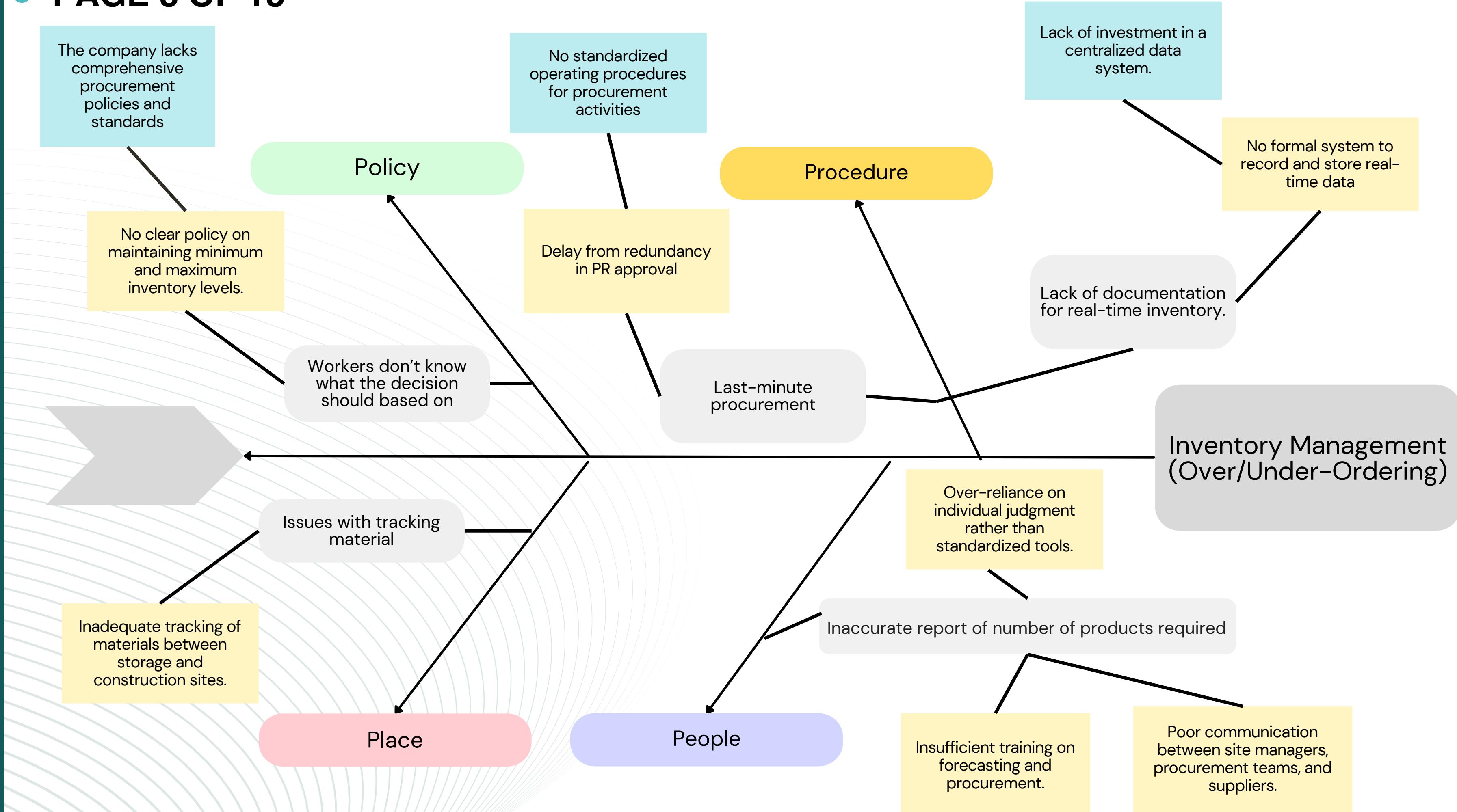




Why Why Diagram

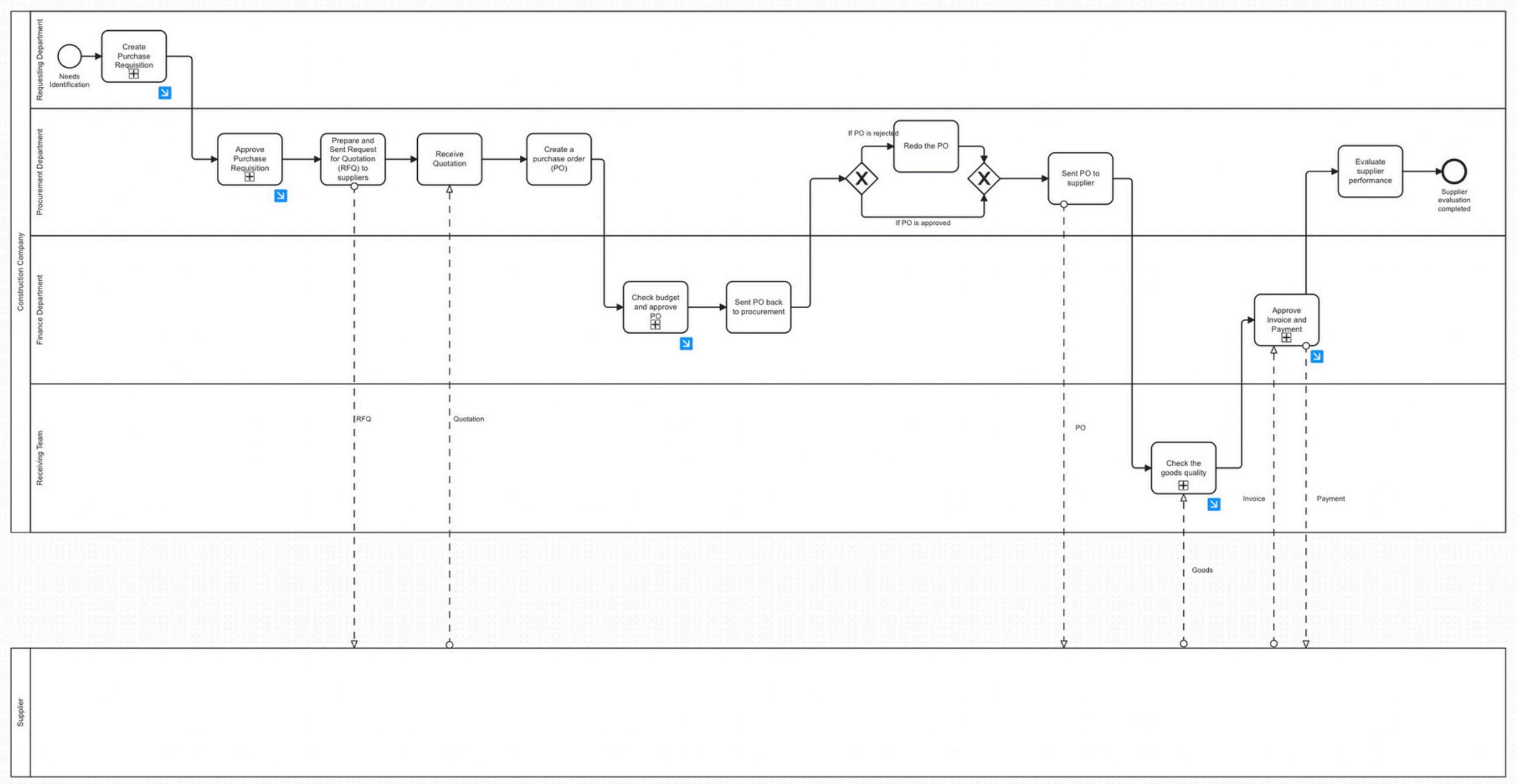
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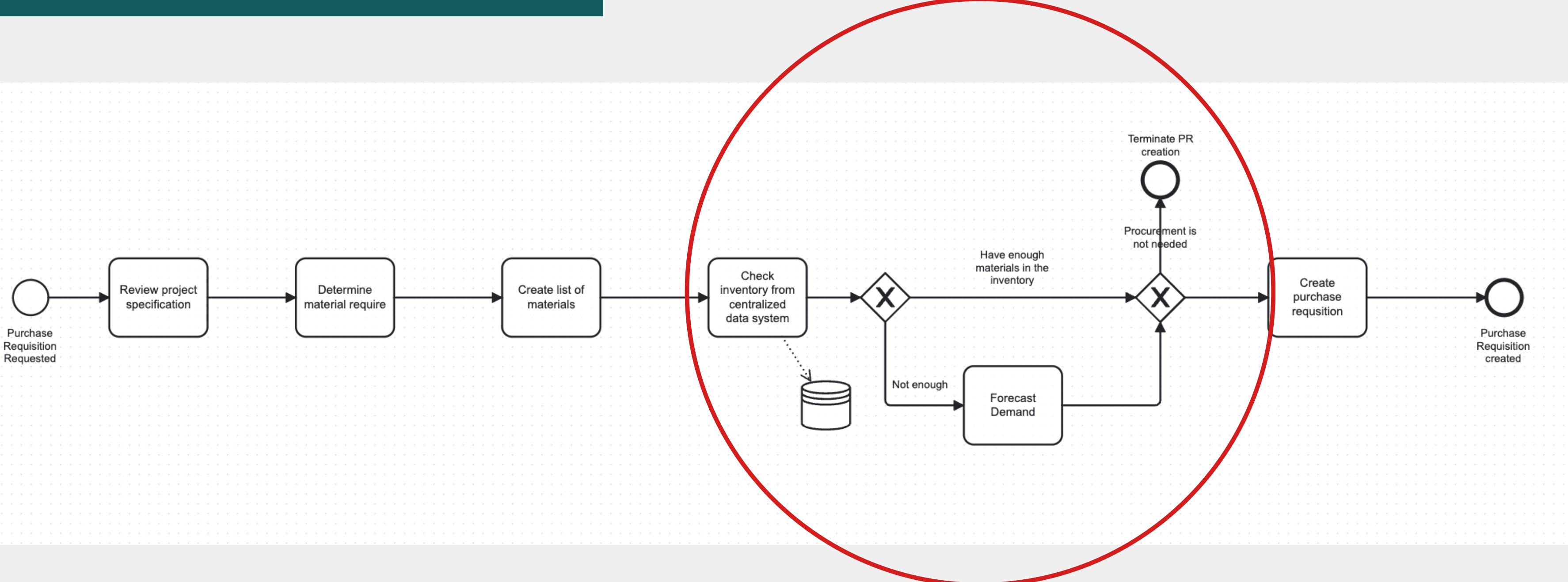




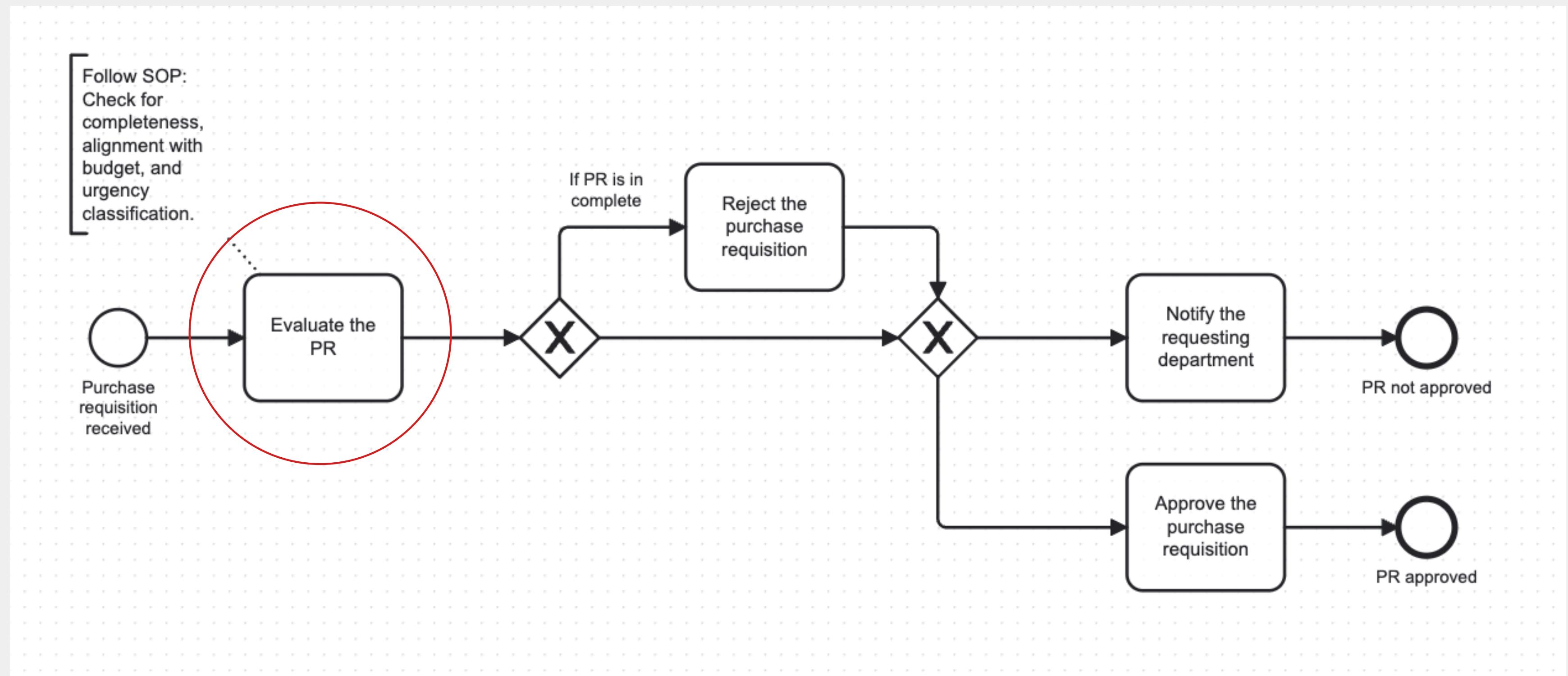
To Be Model



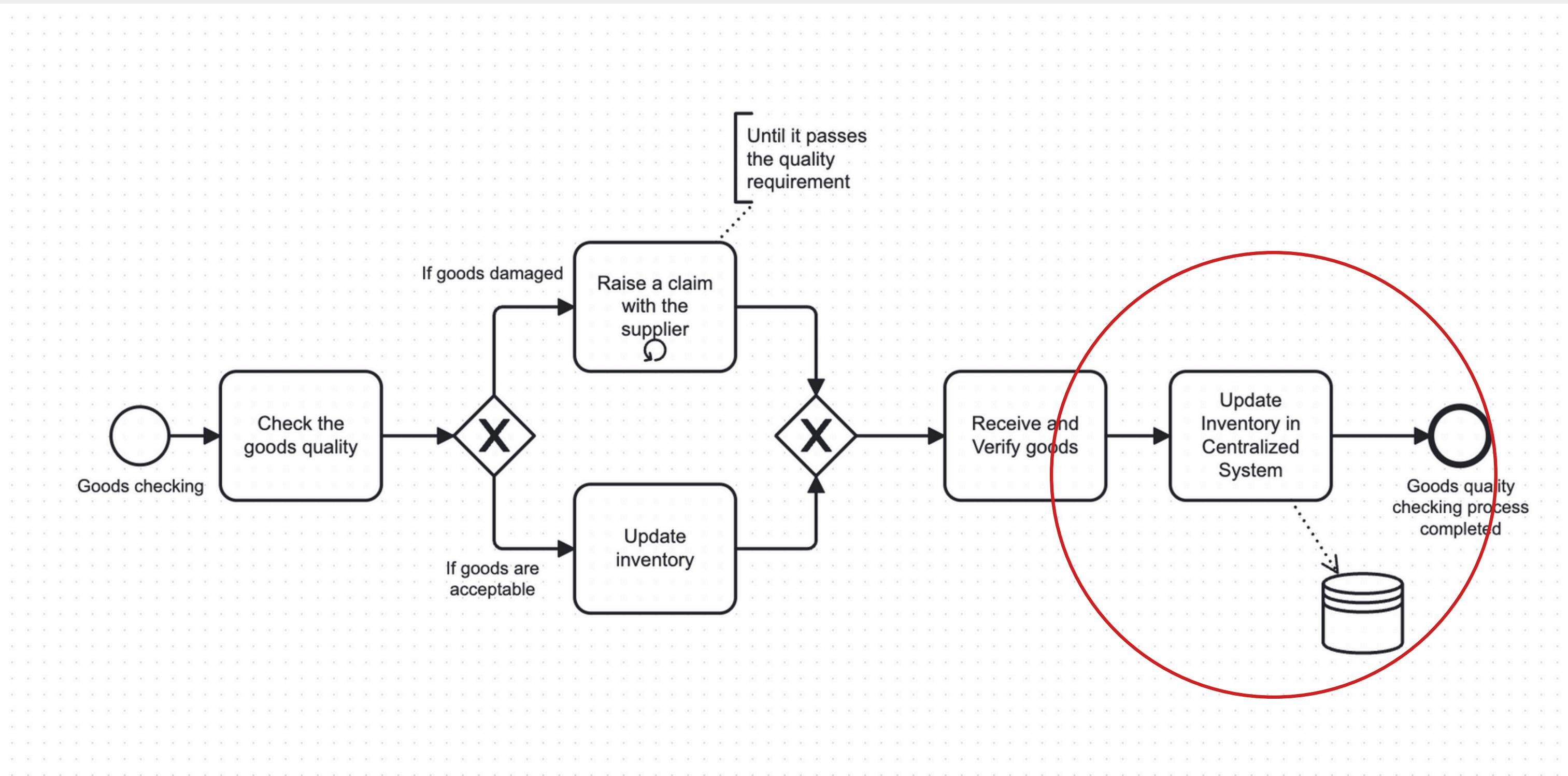
CREATE PR



APPROVE PR



CHECK THE GOODS QUALITY

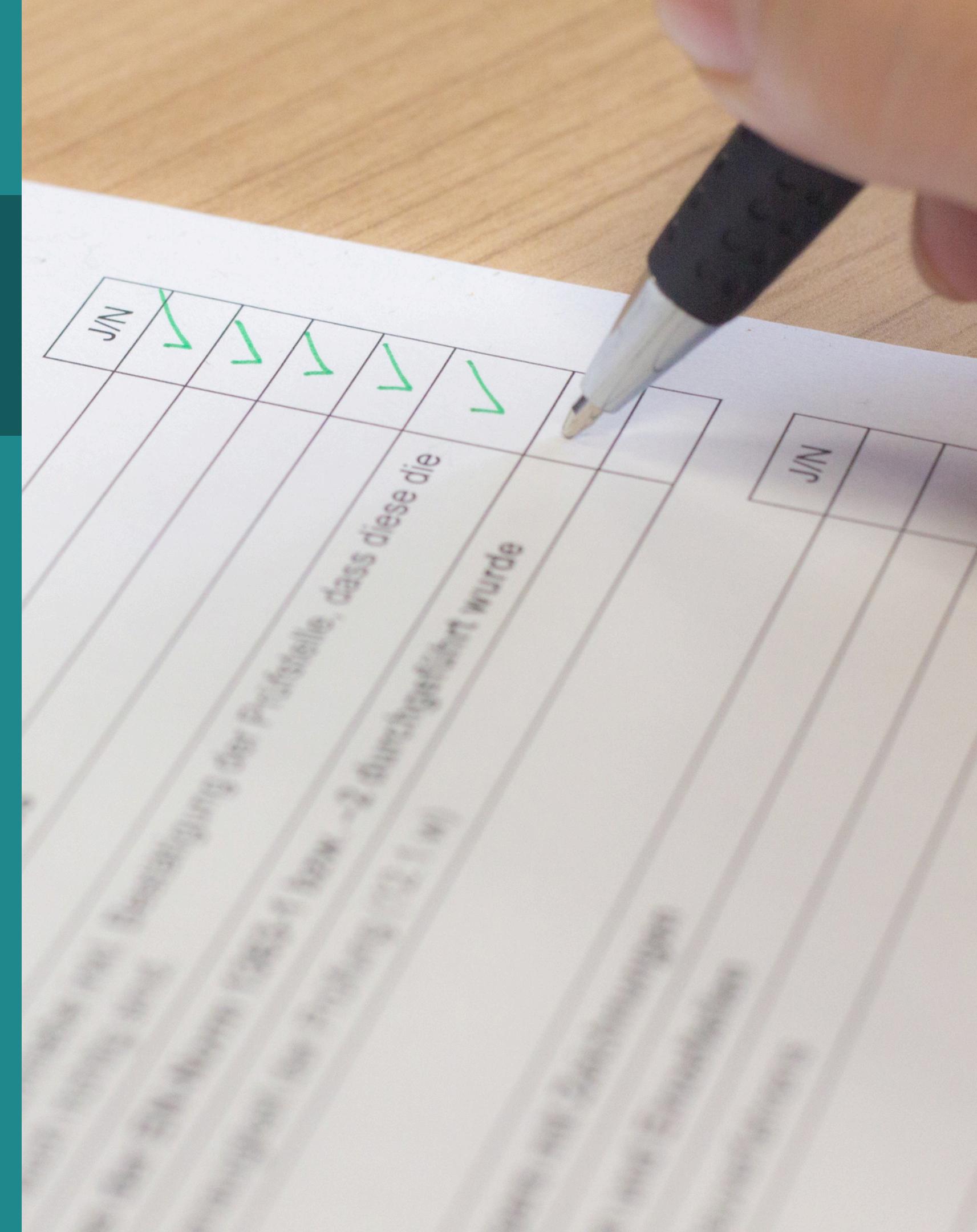




IMPLEMENTATION

Standardized

- Ensure all team members follow the same process, reducing variations
- Reduce delays and redundancies
- Improve accuracy in documentation



IMPLEMENTATION TIMELINE FOR SOP

Phase	Activities	Duration
Planning	Assess needs, select tools, draft SOPs	1-2 months
Data Migration	Consolidate and clean data	1 month
Configuration	Customize the system and SOP integration	1-2 months
Training	Train staff on tools and SOPs	1 month
Go Live	Roll out system and enforce SOPs	1 month
Monitoring	Gather feedback and refine	Ongoing



IMPLEMENTATION

Centralized Data (Software)

- Centralized Project Management Tasks
- Real-Time Inventory Tracking
- Integration with Procurement
- Better Communication and Collaboration
- Better Resources Management



IMPLEMENTATION TIMELINE FOR CENTRALIZED DATA (SOFTWARE)

Phase	Activities	Duration
1. Planning	Define goals, assemble a team, budget, evaluate vendors	1–2 months
2. Requirement Analysis	Gather requirements, map workflows, perform gap analysis	1 month
3. Vendor Selection	Issue RFPs, evaluate demos, finalize contract	1–2 months
4. Data Preparation	Consolidate and clean data, plan migration	1 month
5. Configuration & Customization	Set up system, integrate tools, customize workflows	2–4 months
6. Testing & Validation	Pilot testing, refine system based on feedback	1 month
7. Training & Rollout	Train users, launch in phases	1–2 months
8. Optimization	Monitor, support, and update system	Ongoing



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Thank You For Your Attention

PREPARED BY: GROUP 4

