

# **SUPPLY CHAIN MANAGEMENT**

# LESSON 10: SUPPLY CHAIN COORDINATION

By Fazeeda Mohamad Faculty of Industrial Management fazeedamohamad@ump.edu.my

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### **Chapter Description**

#### Aims

- To familiarize students oh how coordination in a supply chain increase a business performance and success.

#### Expected Outcomes

- Students should be able to:
  - Understand what is process integration
  - Elaborate the Bullwhip effect
  - Discuss on how SC be affected by lack of coordination
  - Explain the challenges in coordinating SC

#### References

 Chopra, Sunil, and Peter Meindl. (2016) Supply Chain Management: Strategy, Planning, & Operation. 6th. Ed. Upper Saddle River, NJ: Prentice Hall.

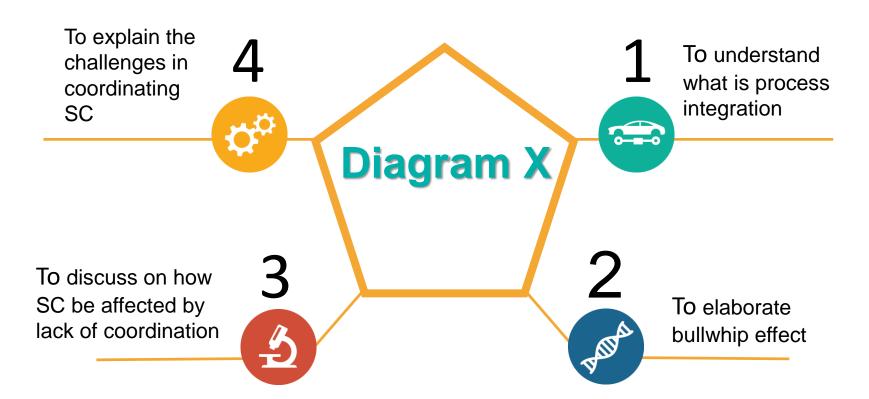
## **Chapter Outline**

- 10.1 What is Process Integration
- 10.2 The Bullwhip Effect
- 10.3 SC Performance: Effect of Lack in Coordination
- 10.4 Challenges in Coordinating SC

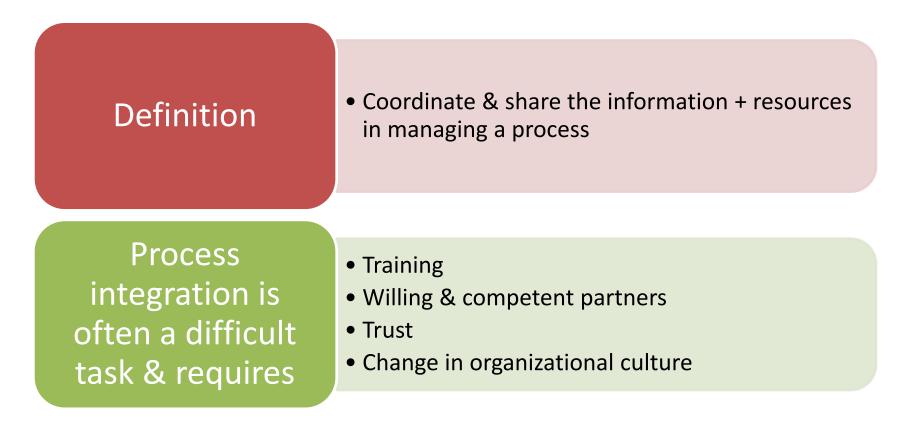


# **LEARNING OUTCOMES**



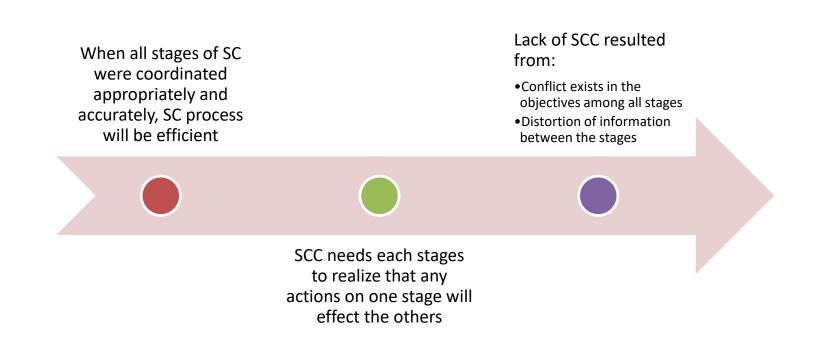


#### **Process Integration**





# Bullwhip Effect: Lack of SC Coordination (SCC)





#### What is the Bullwhip Effect?

Order variability and fluctuate

Demand information was not accurately shared

Resulted loss in coordination of SC

Examples: A company experienced fluctuated of raw materials ordered hence lead to higher inventory and low profits.

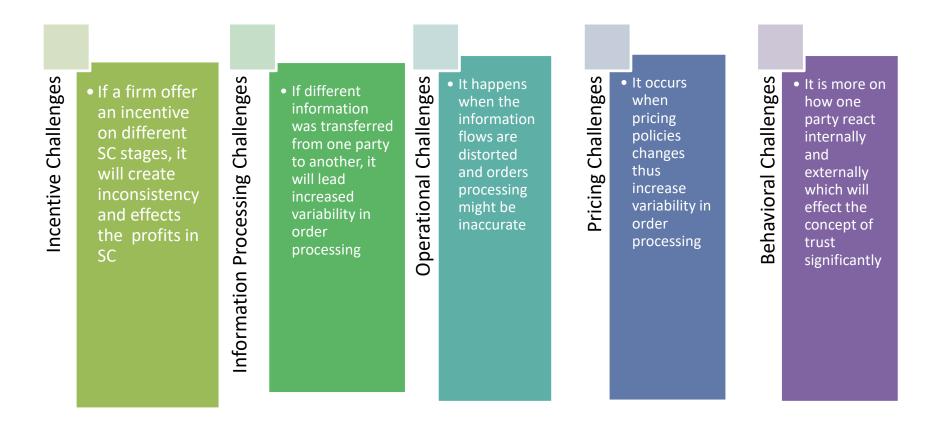


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# The Effect of Lack of Coordination on SC Performance

Incur costs in manufacturing process		Incur cost in inventory management		Increase the replenishment lead time	
Incur costs in transportation		Incur labor cost : shipping + receiving		Low product availability	
Deteriorates the relationships between SC		nships		Lower don profits	

## SCC: Challenges





# **Conclusion of The Chapter**

- Conclusion #1
  - Integration process in SC is important as it will coordinate, share an manage the information in driving the success of SCC.
- Conclusion #2
  - Bullwhip effect resulted from the variability exist throughout the orders in SC which finally will effect the profit.
- Conclusion #3
  - Lack of coordination will definitely effect the entire SC process through conflict of objectives and information distortion

objectives and information distortion

- Conclusion #4
  - Incentive, information, operating, pricing and behavioural are among the challenges in coordinating a SC.