

## **OSCM Cheat Sheet**

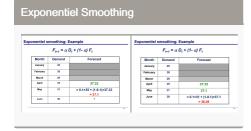
by Quinle via cheatography.com/152592/cs/32853/

Overview			
Procument	Production	Distribution	
Supplier	Manufa- cturer	Retailer	
Transport- ation Activity	Manufa- cturing Activity	Wareho- using activity	

Distribution System
Retailers
Distributor/ Warehouse
Cross Docking
Multipick- Multidrop
Internet

Flow Management		
МТО	MTS	
Low reactivity	High reactivity	
Low risk/ cost	Risk of non sold product  Inventory cost	
Long customer lead time	Zero customer lead time	

Holding inventory cost
Cost
Financial cost
Physical storage cost
Obsolescence cost



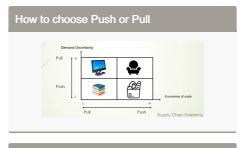
ıpı	oly Chain with Single Unit
	Supply Chain with Single Unit – Deterministic Case
	<u>√</u>
	T: Processing time of a product in the unit/chain (including loading and unloading operations)
	$_{\odot}$ Cycle time: $T_{\rm L} = T$
	⊕ Capacity of the chain : P <sub>L</sub> = 1/T

SC decision & teoporal horizon			
	Procument	Productio.	Distri- bution
Long term	Supply Chai	n design	
Mid term	Supply chair	n planning	
Short term	Production Planning & flow management		
Very Short term	Detailed ma	nagement of	

Inventory?
Economic of scale stocks
Seasonal stock
Safety Stock
Speculative stock & Merchandising stock

Pressure of inventory		
Small inventory	Large inventory	
WACC	Customer Service	
Storage & handling cost	Ordering cost	
Insurance cost	Set up cost	
Taxes	Labor or equipment utilization	
	Transportation cost	
	Payment to suppliers	





Push & Pull Comparison		
Push Strategy	Pull Strategy	
Base on Historical Data	Base on Customer Order	
High level inventory & transportation cost HIGH	Make final production quick (push & pull combine)	
Long time require for manufactoring process	Flexible supply in dynamic market	
Target Cost reduction	1	

VMI, CMI, CPFR			
	VMI	CMI	CPFR
Distur- bance of pro orrder	Customer follow S	C can edit/ submit orderr	Order generated jointly
Visibility	Sharing level	Storeself	
Role of customer	Inform- ation provider	Data are shared  Invisible to supplier	Joint inventory





By **Quinle** 

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