

Supply Method

for external supplier



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Supply Method for external supplier

Clarify the role of CPM/ RS/ PLS/ Supplier

Standardize the rules of forecast/ CPT booking in function of the Supply Method

Define the responsibilities of each one for each Supply Method

Avoid misunderstanding between the parties.





ABBREVIATION

- •**CPM** Customer Procurement Manager (the person who decide globally where to produce each model)
- •RS Retail Supplier (the person who manages globally the demand)
- •**PLS** Production Leader Supply (the person who manages locally forecast/ orders/ capacity,...)
- •CAC Continental Warehouse (such as CAC ST Martin, CAC Shanghai,...)

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- •CAR Regional warehouse (which is near to stores)
- •CBA Component Bought in Advance
- •CPT Component
- •MOQ Minimum Order Quantity

How to choose the supply methods



Standard supply methods (in brief)

Component Max: DPP or supplier purchase the component to cover to the season demand + uncertainty

Component Bought in Advance (CBA): DPP or supplier purchase the component based on the forecast, step by step, based the cpt LT and the security expected

Full LT: DPP or supplier purchase the component based on the firm FG order received.



Supply methods decision tree



Supply methods are set based on the input from the "Sport" and from the "Supplier"



PROCESS PHYSICAL FLOW

Supplier replenishment LT



FULL Leadtime





Lead-time calculation



- The raw material in the BOM are permanents or common to many customers (we 'll consider raw material is available)

FULL LT = B days + C days + D days + E days + F days

- The components are specifics and we have no visibility on the long term needs (we won't consider raw material are not available).
- FULL LT = A days + B days + C days + D days + E days + F days

*The longest LT in the BOM (accessories included) is the one considered to calculate Full LT of the Finished Goods * If cpt MOQ > FG MOQ, Compo MOQ must be taken in consideration _____



FULL LEADTIME

CPM / RS /	PLS / Sup	plier actions
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	Selection		RS communicate the selection results to CPM									
			CPM communicate selection results to SPL, and SPL to communicate it to Supplier									
			RS /CPM /SPL/ Supplier validate the supply method in S&OP									
			RS creates implantation orders									
			SPL/ Supplier orders the components of the BOM to produce all firm orders									
	Implantation		SPL/Supplier update FG LT & MOQ in system, and RS update FG LT and MOQ in APO									
			SPL/ Supplier orders the components of the BOM to produce replenishment orders created		Impossible if no Raw							
	End of the		Automatic orders are created respecting MOQ and LT ; if there is need and it is possible to produce them.		available							
	season	· · · · · · · · · · · · · · · · · · ·	* If you have specific components which have very possible to have a commitment from CPM & RS	y long L	T, it's DEC4THLON							

CPT MAX



Lead-time calculation



LT = E days + F days

* This LT is valid for quantities up to uncertainty max+

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CPT MAX

_	CPM / RS / PLS/ Supplier actions
Selection	RS communicate the selection results to CPM
	CPM communicate selection results to SPL, and SPL to communicate it to Supplier
	RS/ CPM/ SPL/ Supplier validate the supply method
	SPL/ Supplier orders 50% of the selection results. Create orders for full BOM in multiple orders matching with MOQ
	RS place implantation orders
	SPL/ Supplier orders full BOM for all firms orders + full season forecast
	SPL/Supplier update FG LT & MOQ in system, and RS update FG LT and MOQ in R3
Implantation	GO Shipment (of first Implantation order) review the flex for the one component and capacity need to be booked
	SPL/ Supplier receive components for the flex + of full BOM before Top/Flop
	Automatic Replenishment orders are created
End of the season	* If we consume less than the stock ordered, the CPT will stocked until next season.
	** If total firm orders + forecast are over the uncertainty max, check with the PL



Ai

CBA

Lead-time calculation for FG



We consider Raw material is booked up to flex+ for component supplier

LT = E days + F days



CPM / RS / PLS/ Supplier action Selection RS communicate the selection results to CPM CPM communicate selection results to SPL and the 1st and last replenishment CDD, and SPL to communicate it (CHD) with Supplier RS/ CPM/ SPL/ Supplier validate the supply method RS place implantation orders SPL/ Supplier orders the components of the BOM to produce based on the 'CPT FIRMING HORIZON" and book capacity to produce according to implant + forecast SPL/Supplier update FG LT & MOQ in system, and RS update FG LT and MOQ in R3 Implantation SPL update regularly the forecast to the supplier and check weekly the reliability of the capacity booked and the main component projection SPL and supplier purchase based on the frequency agreed component and book capacity for additional forecasts agreed in S&OP Before the end of life, we ask CPM to transform all forecasts in firm orders and check if there's End of the a need to order more components or not season

CPT FIRMING HORIZON



CPT FIRMING HORIZON AND MRP LOGIC

Example of MRP Logic

Week	W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	w11	W12	W13	W14	W15
Needs of FG	1000	2000	1500	2000	1000	2000	1000	2000	1500	2000	1000	1000	2000	1000	1000
Needs of Cpt 1FG = 3 CPT	3000	6000	4500	6000	3000	6000	3000	6000	4500	6000	3000	3000	6000	3000	3000
Planned Delivery			20000		8000			8000							
Projection of the CPT stock Current stock= 15000	12000	6000	21500	15500	20500	14500	11500	13500	9000	3000	0	-3000	-9000	-12000	-15000
New order to create	CPT LT Can't receive any new order during this period														

Projected of the CPT stock W(X) = stock W(X-1) - needs W(X) + planned reception W(X)

Net needs = 15000 pcs

CBA FORMALIZATION

CPT FIRMING Horizon=

FG Repl LT

+ Cpt Repl LT*

+ Security** or Stock Cover

+ Frequency of Cpt ordering

(MOQ of component)

* To considered the longest and the main cpt

** Security= % Uncertainty x (CPT Repl LT+ FG Rep LT)



CONCLUSION

- Supply methods are the standardized way of working on cpt management.
- All supply chain actor are aligned on the methods and this way we share risk and benefit in all parts being aware of the constraints of each others
- For CPT MAX and CBA, we are only talking about supply method between FG suppliers and Finishing component suppliers. But the same logic can be apply between component suppliers and raw material component suppliers.
- When a job transfer will be done, it will be easier for the new comer to handle the business in the middle of the season.

