

## LIST OF ABBREVIATIONS AND NOTATIONS

ABBREVIATION	Name	First use on the page
ICCO	International Cocoa Organization	1
SKU	Stock Keeping Unit	2
ITO	Inventory Turnover	13
$V_p$	Annual Sales Volume	13
$V_T$	Yearly Average Inventory Volume	13
$V_n$	Annual Sales Value	13
$I_n$	The Value of Capital Invested	13
$T^*$	Economic Order Interval in Years	15
$E_i$	Maximum Inventory Each Item	15
$R_i$	Annual Requirement for Item $i$	15
$P_i$	Purchase Cost of Item $i$	15
$n$	Total Number of Joint items	15
$C$	Order Cost for the Joint Order	15
$c$	Additional Order Cost Each Item	15
$F$	Fraction of Holding Cost	15
$L$	Lead time	15
$N$	Number of Operating Days in a Year	15
$B$	Reorder Point	16
$D$	Rate Constant Demand per Period	16
$\bar{L}$	Average Lead time in the Period	16
$\sigma$	Standard Deviation	16
$\sigma_L$	Standard Deviation of Lead time	16
$Z$	Service Level Distribution	16
$Q^*$	Optimal Order Quantity	16
$TC_P$	Ordering Cost	17
$TC_S$	Holding Cost	17
$SS$	Safety Stock	17