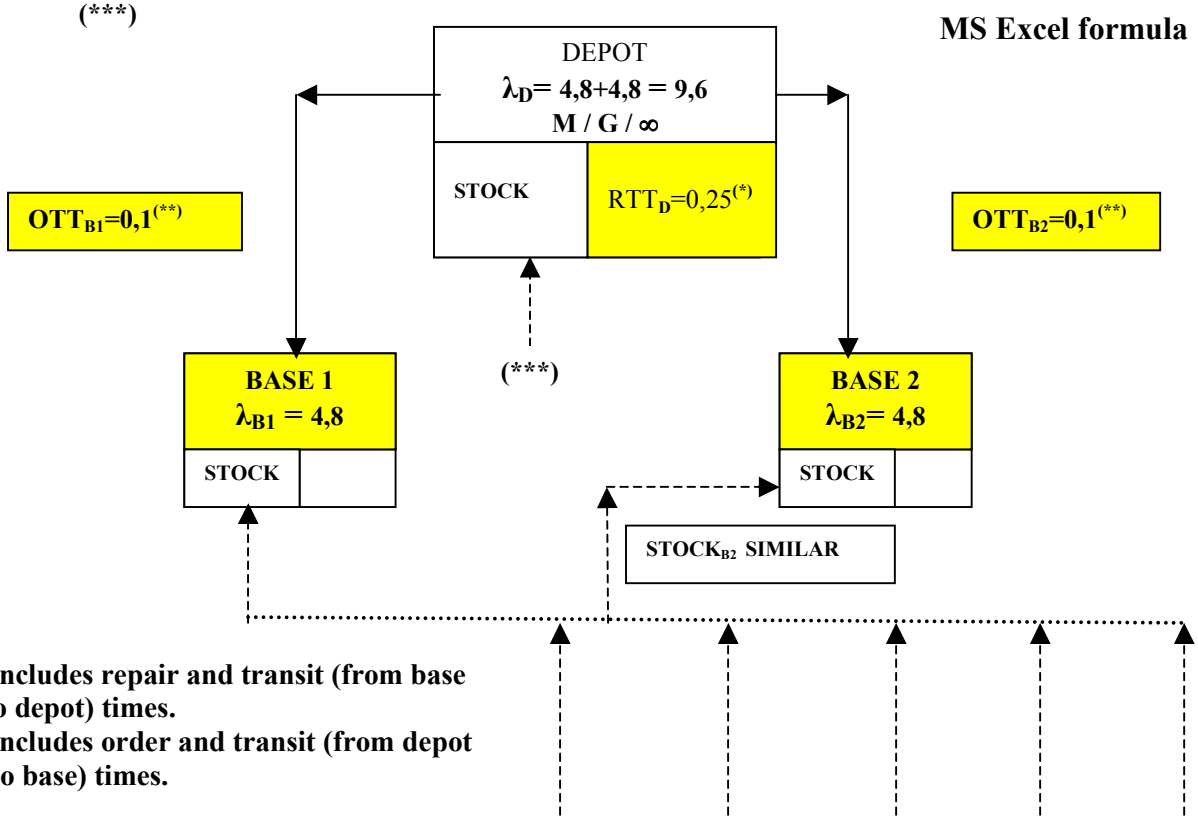
METRIC

n=STOCK$_D$	μ=PIPELINE= λ_D x RTT$_D$	EBO$_D$	EBO$_D$/λ_D (time)
0	2,4	2,40000	0,25000
1	2,4	1,49072	0,15528
2	2,4	0,79916	0,08325
3	2,4	0,36887	0,03842
4	2,4	0,14759	0,01537
5	2,4	0,05172	0,00539

EBO (n) = μ*Poisson(n; μ;false) + (μ - n)*(1 - Poisson(n ; μ;true))

MS Excel formula

(***)



(*) Includes repair and transit (from base to depot) times.

(**) Includes order and transit (from depot to base) times.

STOCK$_D$	λ_{B1} xOTT $_{B1}$	λ_{B1}(EBO$_D$/λ_D)	PIPELINE$_{B1}$	STOCK$_{B1}$ = 0 EBO$_{B1}$	STOCK$_{B1}$ = 1 EBO$_{B1}$	STOCK$_{B1}$ = 2 EBO$_{B1}$	STOCK$_{B1}$ = 3 EBO$_{B1}$	STOCK$_{B1}$ = 4 EBO$_{B1}$
0	0,48	1,20000	1,68000	1,68000	0,86637	0,36586	0,12835	0,03813
1	0,48	0,74536	1,22536	1,22536	0,51901	0,17249	0,04643	0,01042
2	0,48	0,39958	0,87958	0,87958	0,29454	0,07448	0,01495	0,00247
3	0,48	0,18443	0,66443	0,66443	0,17900	0,03546	0,00550	0,00070
4	0,48	0,07380	0,55380	0,55380	0,12856	0,02163	0,00283	0,00030
5	0,48	0,02586	0,50586	0,50586	0,10885	0,01686	0,00202	0,00020

METRIC (JFUKUDA MARCH2008)