







stock p territor	probability	is 99.9% and led territories.	the	e lead t	ime is 1 d	ay with	individual
				Expecte	d inventory	Pipelin	e inventory
	Number of territories pooled	Pooled territory's expected demand per day (a)	s	units	days-of- demand (b/a)	units	days-of- demand
	1	0.29	4	3.4	11.7	0.29	1.0
	2	0.58	6	4.8	8.3	0.58	1.0
	3	0.87	7	5.3	6.1	0.87	1.0
	4	1.16	8	5.7	4.9	1.16	1.0
	5	1.45	9	6.1	4.2	1.45	1.0
	6	1.74	10	6.5	3.7	1.74	1.0
	7	2.03	12	7.9	3.9	2.03	1.0
	8	2.32	13	8.4	3.6	2.32	1.0
Pooling	g 8 territor	ries reduces e	хре	cted ir	ventory fr	rom 11.	7 days-of-dema



















Consolidated distribution results

	Direct delivery	Consolidated distribution	Location pooling
Expected total inventory at the stores	650	300	0
Expected inventory at the DC	0	116	116
Pipeline inventory between the DC and			
the stores	0	50	0
	650	1((110
Total Consolidated distribution reduces tota by 54%	650 Il inventory	466 by 28% and	retail inve
Total Consolidated distribution reduces tota by 54% It is not as effective as location poolin retail locations. Other issues:	650 Il inventory g, but inver	400 by 28% and ntory remains	retail inve at multip
 Total Consolidated distribution reduces tota by 54% It is not as effective as location poolin retail locations. Other issues: It facilitates purchasing in large que gain economies of scale in transp 	650 Il inventory g, but inver uantities to ortation.	by 28% and ntory remains	retail inve at multip

Slide (#)























