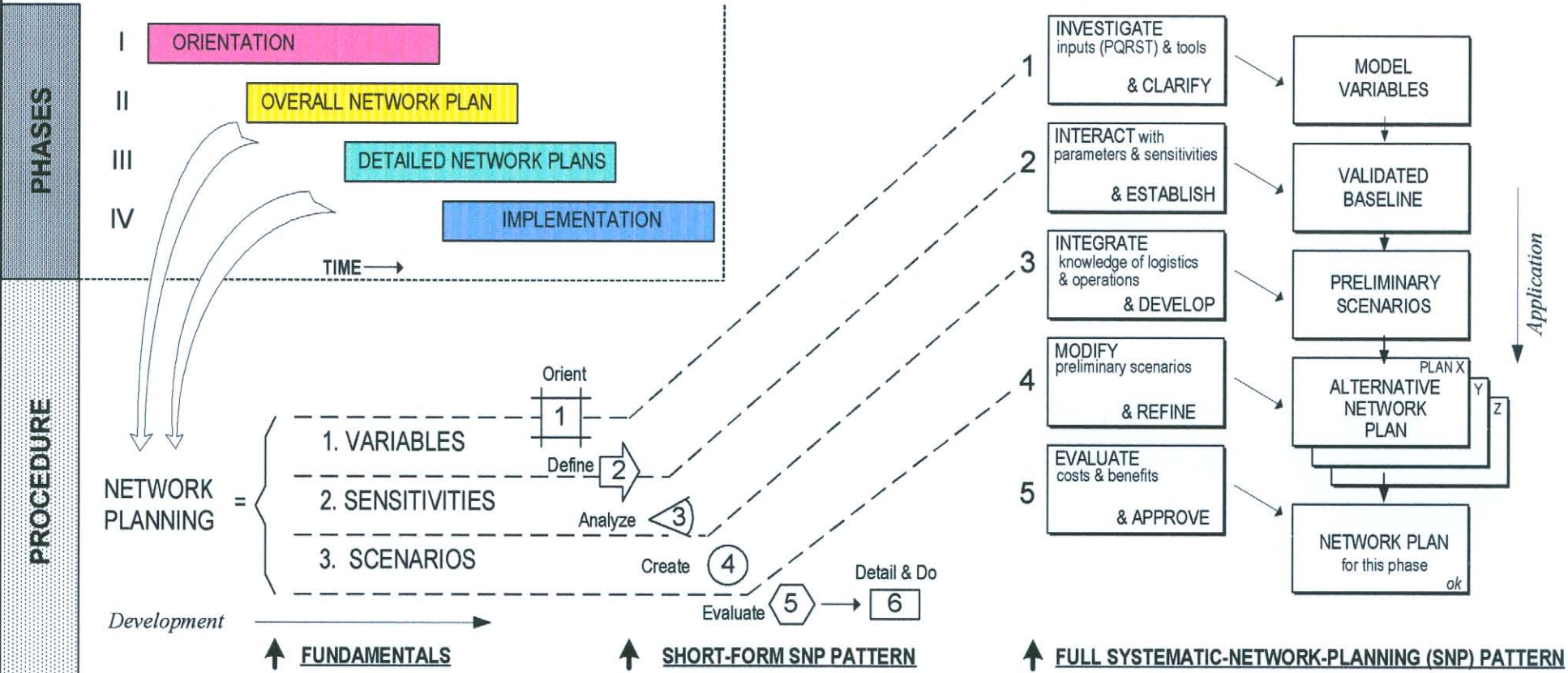


SYSTEMATIC NETWORK PLANNING (SNP) -- Capsule Summary



Process Chart Symbols & Action*	Symbols Adapted to Identify Network Facilities	Color Ident.	Black & White**	Formulas and Explanations
* ○ Operation	○ Manufacturer - Processing	Green**		$\min \sum_i \sum_j C_{ij} X_{ij}$ $\sum_i x_i - \sum_k x_k = b_j \quad \forall j \in N$
	○ Manufacturer - Assembly	Red**		
* → Transportation	→ Transport facility	Orange Yellow**		<p>Arc</p> <p>Source Sink</p>
* ○ Handling	○ Storage or distribution facility	Orange Yellow**		
* ▽ Storage	▽ Cross-dock	Orange Yellow**		<p>Weighted Average Approach</p> $X = \frac{A_1 X_1 + A_2 X_2 + A_3 X_3}{A_1 + A_2 + A_3}$ <p>A₁, A₂, A₃ are weights</p>
* D Delay	D Testing/Laboratory	Blue**		
* □ Inspection	□ Service center/Support	Blue**		<p>Minimum Batch Size</p> <p>Run Times = Throughput</p>
	□ Office/Admin/Call Center	Brown**		
* ANSI Standard (Adopted as basic to SNP)				
Material Flows				
- - - - - Raw materials				
→ Finished materials				

Vowel Letter	No. Value	No. of Lines*	Intensity Rating of Material Moves	Color Code	Evaluating Description	Letter Value
A	4		Abnormally High Intensity of Moves	Red**	Almost Perfect Results (Excellent)	A / 4
E	3		Especially High Intensity of Moves	Orange Yellow**	Especially Good Results (Very Good)	E / 3
I	2		Important Intensity	Green**	Important Results (Good)	I / 2
O	1		Ordinary Intensity	Blue**	Ordinary Results (Fair)	O / 1
U	0		Unimportant Moves of Negligible Intensity	Uncolored**	Unimportant Results (Poor)	U / 0
					Not Acceptable Results (Not Satisfactory)	X / ?

* Dash (dotted) line indicates half a line, or half-way between two ratings -- recorded by minus sign behind vowel letter.

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