

# Example Proportion Based Weighting of Scenarios Worksheet 1.

## Weighting of Plausable Scenarios

1. Evaluator names go in the left column.
2. After a complete and thorough assessment of all scenarios, each evaluator will assign the value of 100 to the scenario that he or she believes is the most likely to be true. Then each evaluator estimates the likelihood of each scenario as a proportion of the reference value 100. There is room on this sheet for 6 Scenarios (1-6).
  - The proportionality of assigned values is extremely important and must be carefully considered.
  - When complete, scenarios with the same assigned value have the same likelihood of being true.
  - Proportional assessment values need not add up to any particular number. Whole numbers are sufficiently accurate and should be used.
3. Add each Scenario column and put this sum in the "Subtotal Down" space at the bottom of each column.
4. Add the "Subtotals Down" row across and put the sum in "Total Across" for all of the rows. This value now becomes the denominator for the fraction that will be used to determine the scenario weight.
5. Calculate Scenario Weights by dividing each "Subtotal Down" figure under each scenario column by the total of all scenario weights. (Subtotal Down ÷ Total of all evaluator weights = % Weight for Each Scenario).

		②						
Scenario Designation →		Option 1	Option 2	Option 3	Option 4	Option 5	Option 6	
Evaluator Names	①							
								Subtotal Across ↓ ④
	③ Subtotal Down →							
	⑤ Consensus Weights ③ ÷ ④ = Weight							1.00 (100 %)

Date: \_\_\_\_\_ Mission #: \_\_\_\_\_ Op. Period: \_\_\_\_\_ Time: \_\_\_\_\_