
CTAM Practice Exercise Brainstorming Worksheet

Steps to Brainstorming:

- If you are in a group, establish “group” ground rules.
- Clearly pose the problem
- Generate as many ideas and insights as possible
- Group and organize ideas around key concepts

You may use this free form worksheet to document ideas and thoughts, or Use the space below to write and organize:

Threat Stream Worksheet

Threat Stream # _____ **Title:** _____

Hypothesis #1	Key Assumptions
Alt. Hypothesis #2	Key Assumptions
Alt. Hypothesis #3	Key Assumptions
Alt. Hypothesis #4	Key Assumptions
Evidence	

Key Assumptions Check Worksheet

Steps to Key Assumptions Check

- Review the current analytic line; write it down
- Articulate all premises, both stated and unstated
- Challenge each assumption
- Refine the list of key assumptions

Key Assumption	Assessment

Indicators of Change Worksheet

- Identify competing hypotheses
- Create lists of potential activities expected for each
- Regularly review and update
- Identify most likely hypothesis, based on trends

Hypothesis	Potential Activities

Analysis of Competing Hypothesis Matrix and Worksheet

Analysis of Competing Hypotheses (ACH) breaks a complex problem down into its component parts. You fill in a matrix with a complete set of hypotheses across the top row (i.e., alternative explanations or outcomes), and supporting evidence and arguments down the column underneath the associated hypothesis. Evidence or arguments can support or refute the hypotheses, and your rating of +1, -1 or 0 can help you see how each item of evidence or argument supports or refutes each hypothesis.

Steps for ACH:

- Generate hypotheses from traffic received
- Add hypotheses to the top row of the matrix (no more than 5)
- List significant evidence down column of the associated hypothesis (no more than 10 per column)
- Refine the matrix as needed based on any new information
- Enter +1 for strong, -1 for weak, and 0 for not relevant for each piece of evidence under each hypothesis
- Review completed matrix and rank hypotheses by weakness of inconsistent evidence
- Perform a sanity check

	Hypothesis 1	Hypothesis 2	Hypothesis 3	Hypothesis 4	Hypothesis 5
Evidence 1					
Evidence 2					
Evidence 3					
Evidence 4					
Evidence 5					
Evidence 6					
Evidence 7					
Evidence 8					
Evidence 9					
Evidence 10					
Total number of "+Is"					

CTAM Practice Exercise Briefing Worksheet

1. Does the traffic indicate one or more strategic threats?
2. Name the strongest threat stream:
3. What are your hypotheses for your strongest threat stream?
4. What traffic supports the creation of this threat stream?
5. What research did you conduct to better understand the traffic?
6. Why did you settle on these hypotheses?
7. Were there other hypotheses that you eliminated because they were implausible or disproven?
8. What were your key assumptions for your chosen hypotheses?
9. Did any hypotheses change as a result of your indicators of change list?
10. Did any hypotheses change as a result of the application of the Devil's Advocacy or Red Team analytic methods?