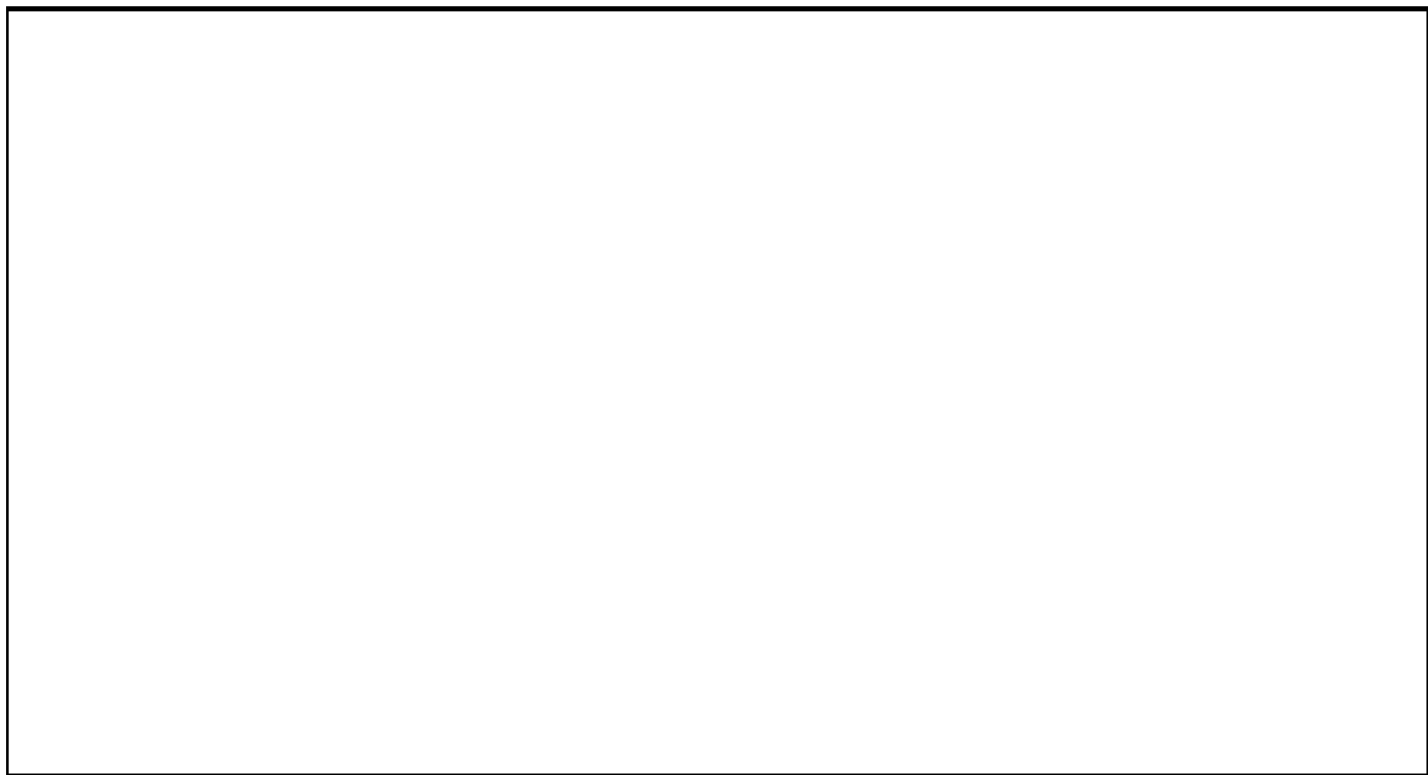
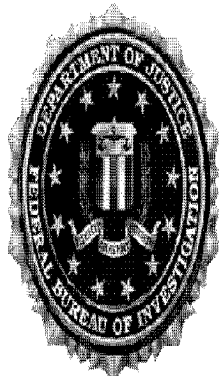




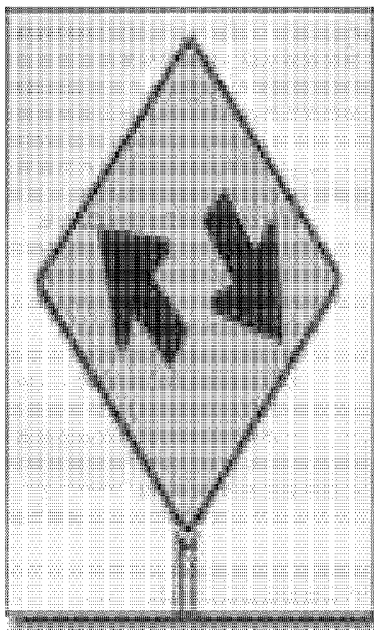
b7E

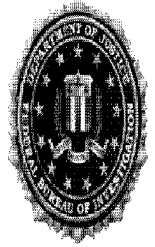
ALL INFORMATION CONTAINED
HEREIN IS UNCLASSIFIED
DATE 03-06-2012 BY 65179 DMH/SBS



b7E

- The most useless thing is something done at great cost that need not have been done at all.

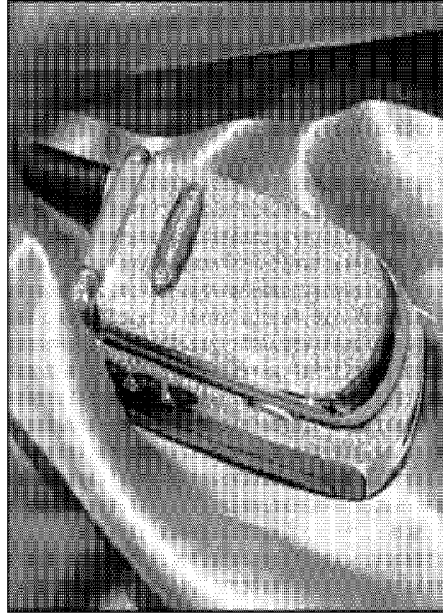


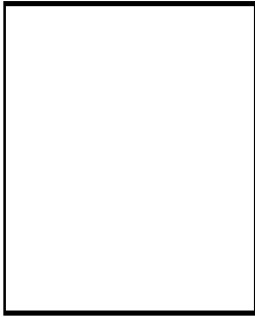


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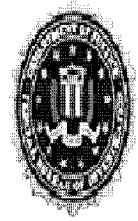
Are:

- Costly\$\$\$\$\$\$\$\$
- Manpower Intensive
 - before, during & after

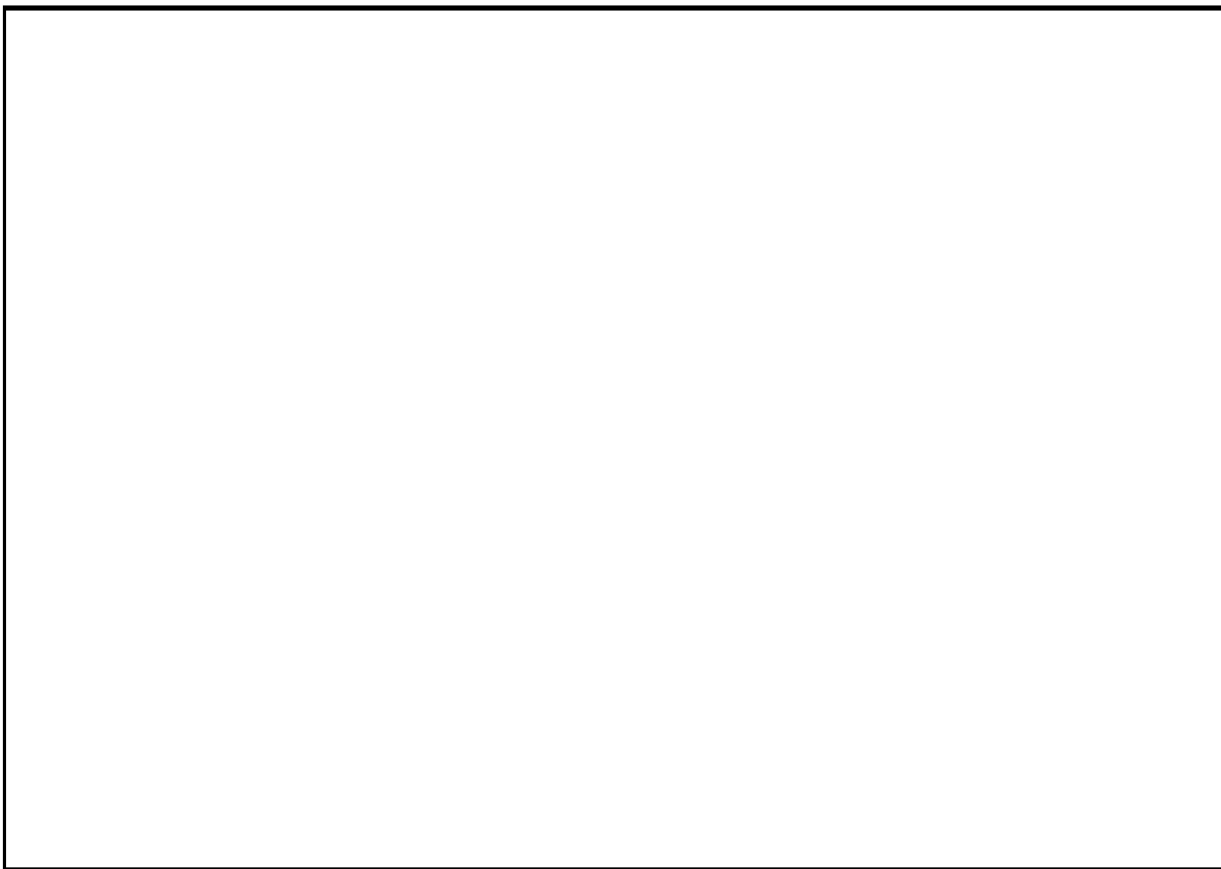




Where Did We Get This Stuff?

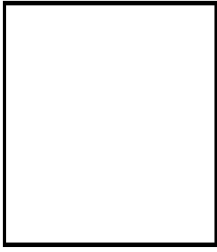


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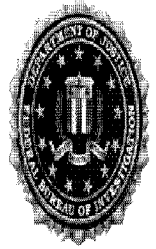


b7E

- The principles are common.

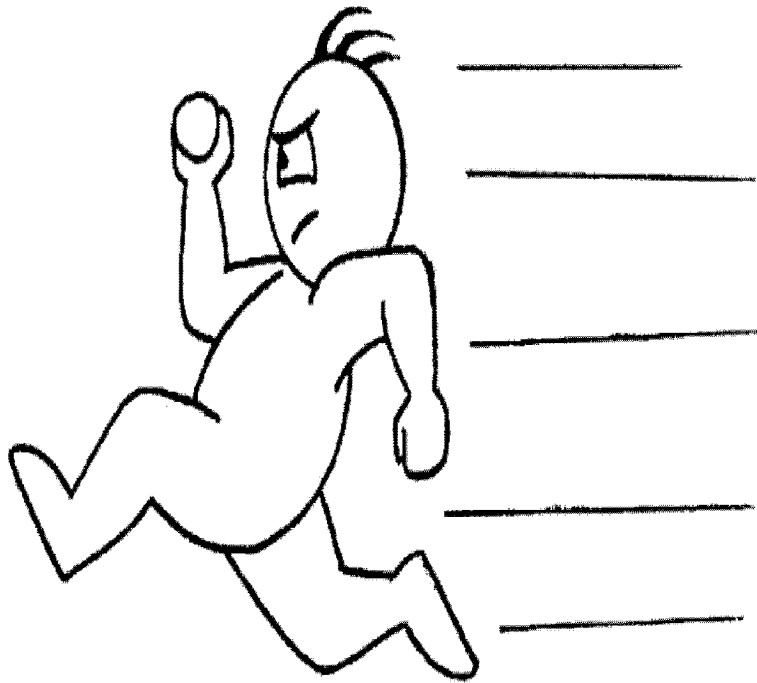


First Thing

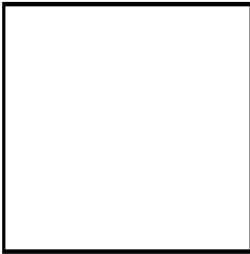


b7E

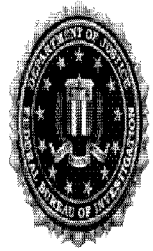
- The first thing is not:



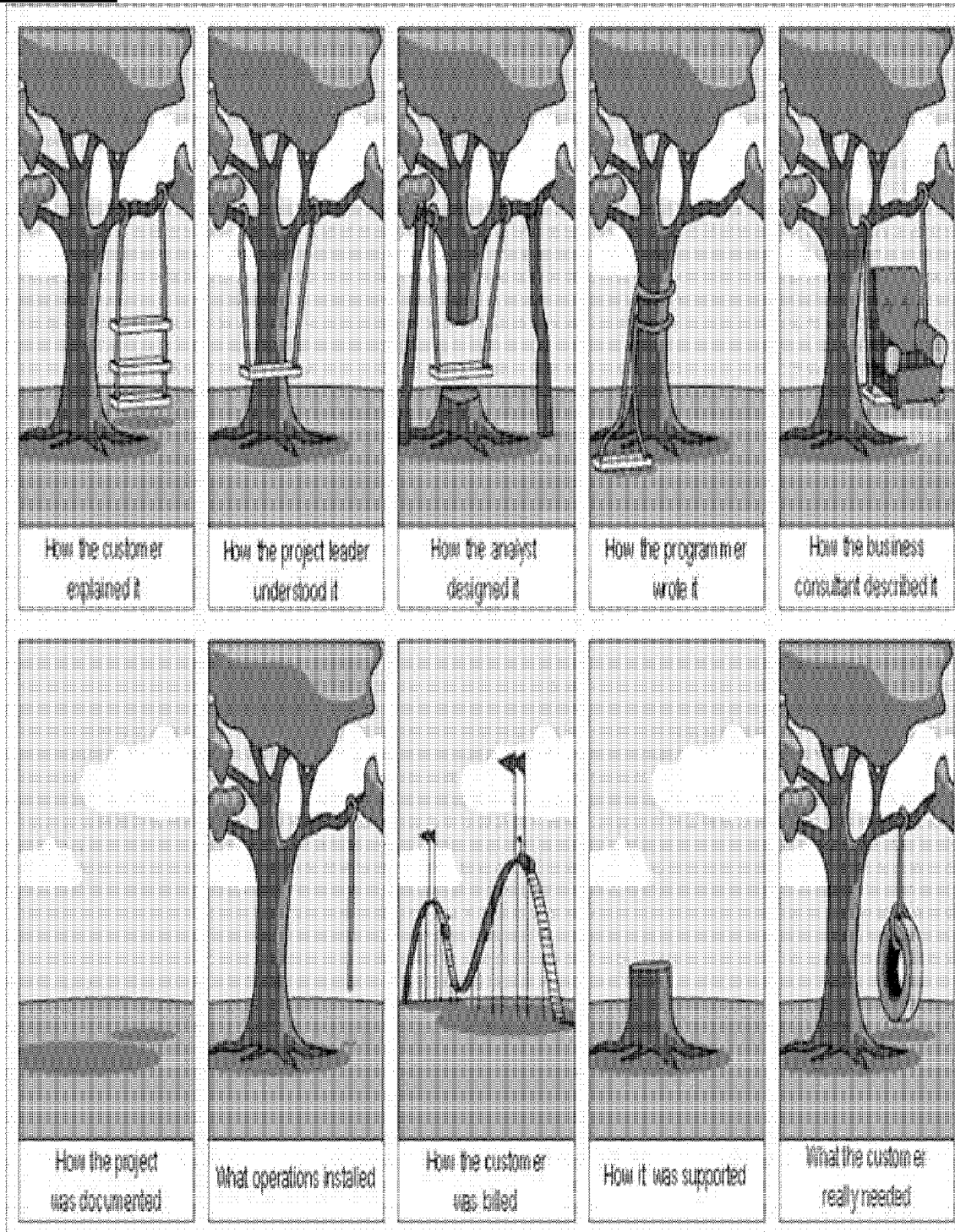
- The first thing is "Define the Requirements".

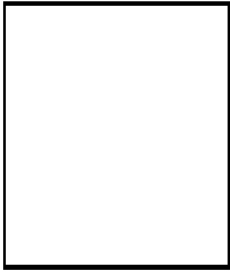


Why Requirements?

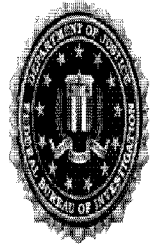


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Defining Requirements



b7E

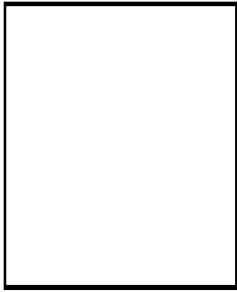
First POC at Field is



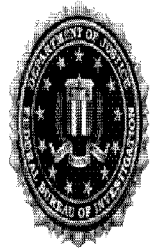
They should:

- Ask why, then ask why, then ask why, then ask why,
- To do the job as a  they must be able to bring their training and experience to bear – they must know why you are doing what you are doing.

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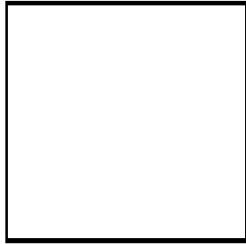


Requirements on Significant Attacks

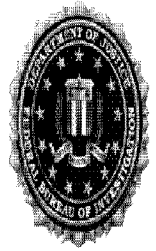


b7E

- Purpose – How and why your project came to be.
- Objectives - Specific outcomes you will produce.
- Constraints – Restrictions that will limit what you're to achieve.
- Assumptions – Statements about uncertain information you're taking as fact for the purpose of planning the project.
- Write these down and communicate them.



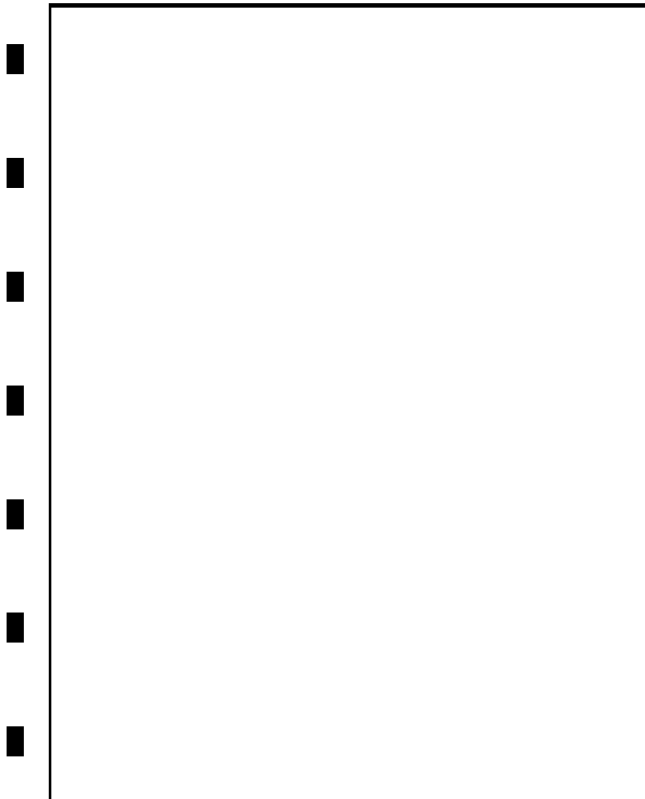
Requirements



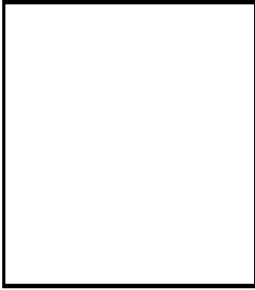
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A Typical Scenario:

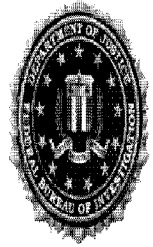
1.



b7E



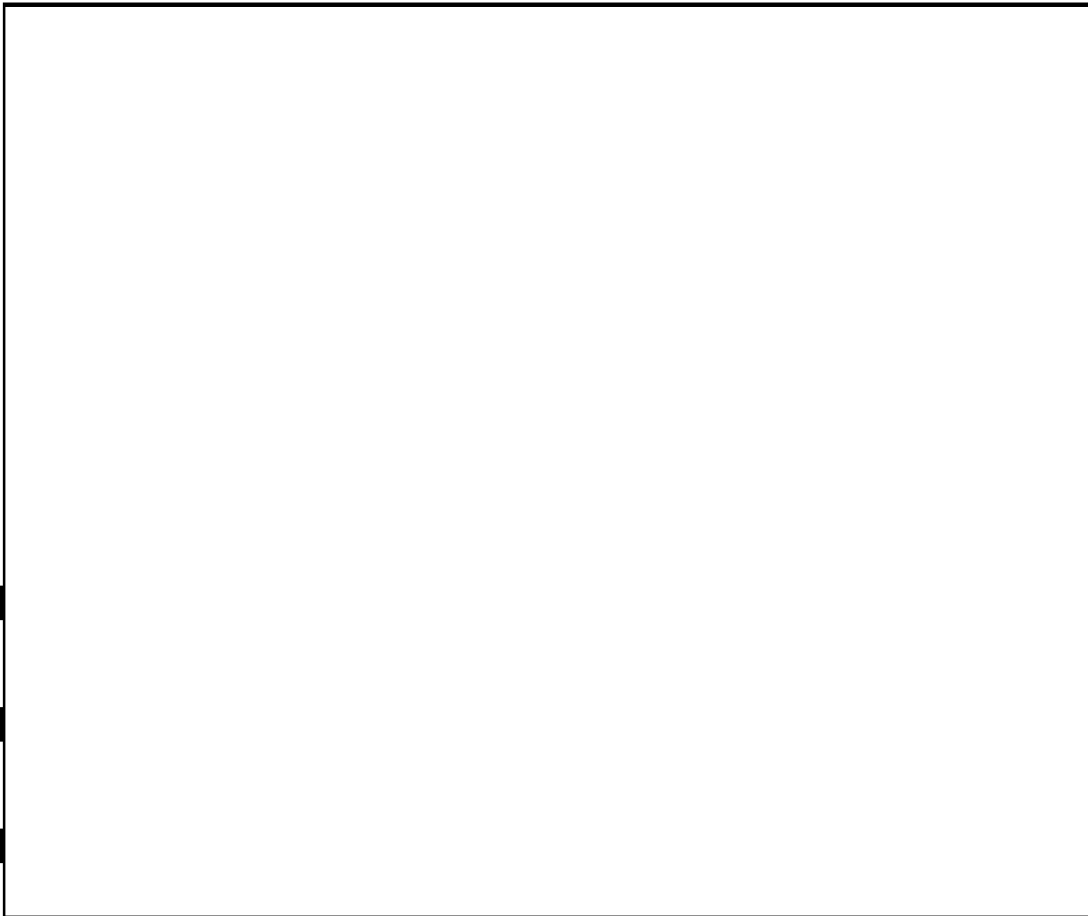
Requirements



b7E

A Typical Scenario:

2.



b7E

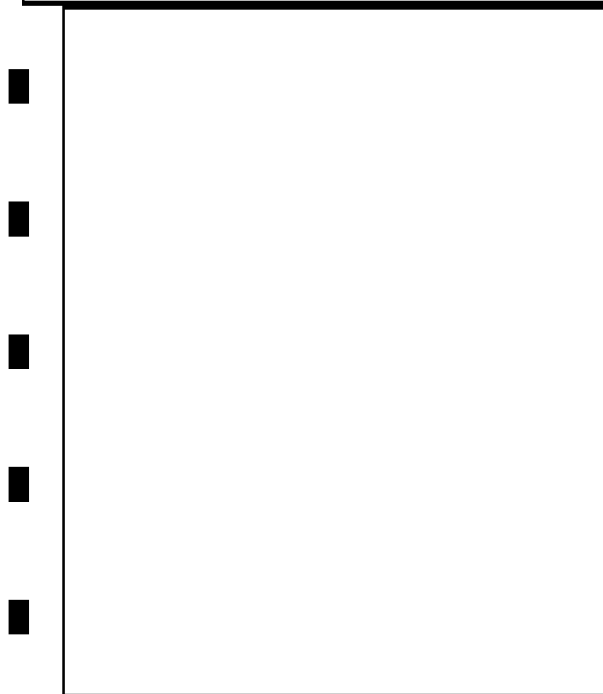


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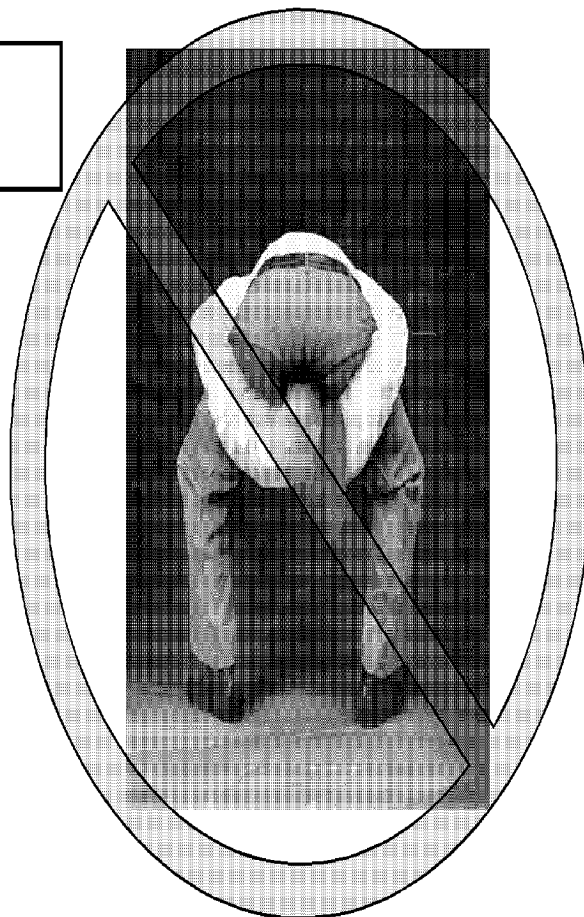
Requirements

A Typical Scenario:

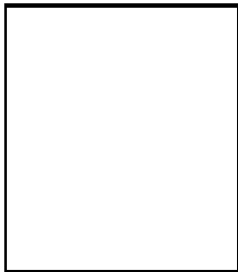
3.



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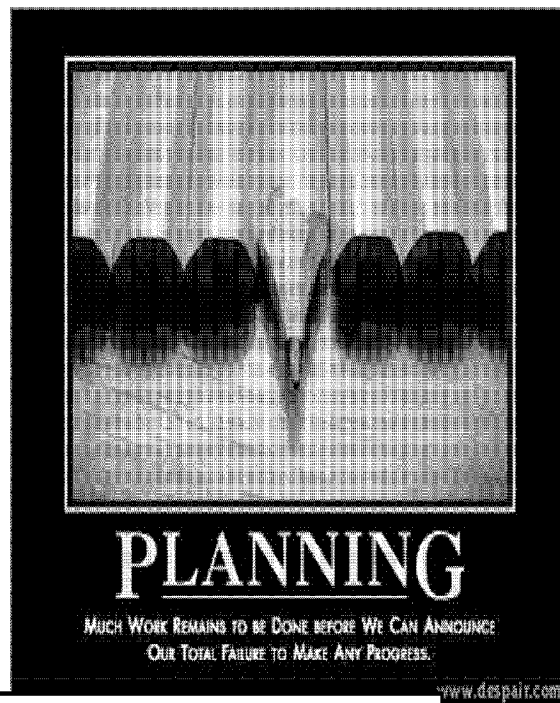
Requirements



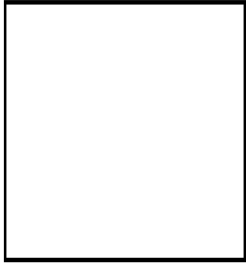
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A Typical Scenario:

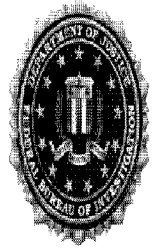
4.



b7E



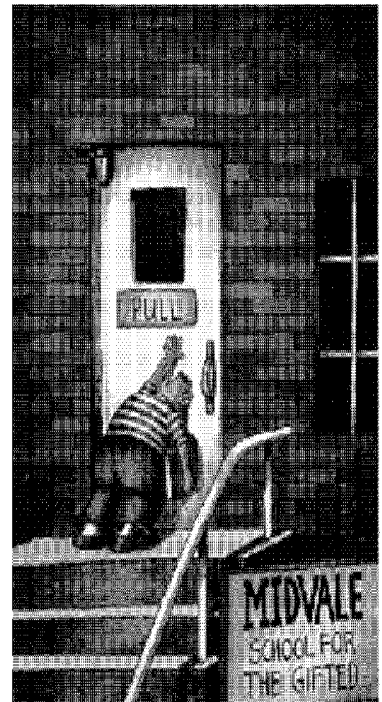
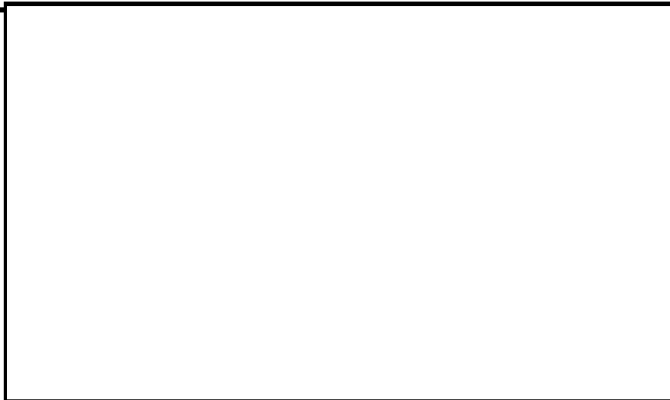
Requirements



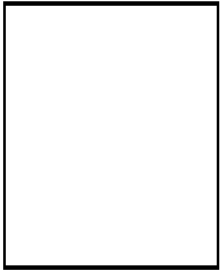
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A Typical Scenario:

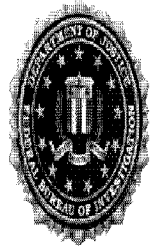
5.



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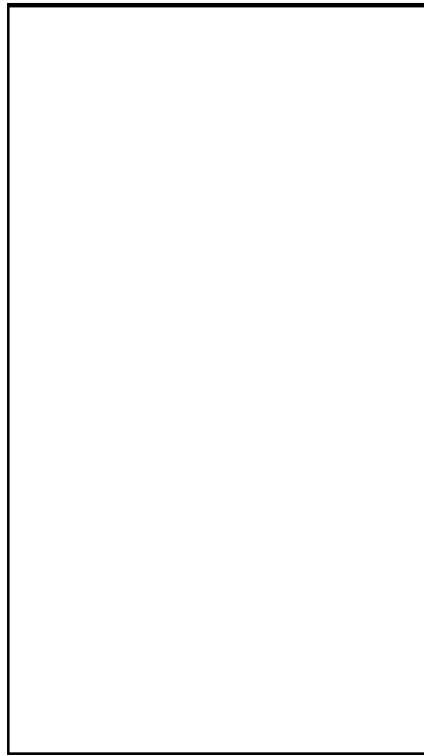
Other Considerations



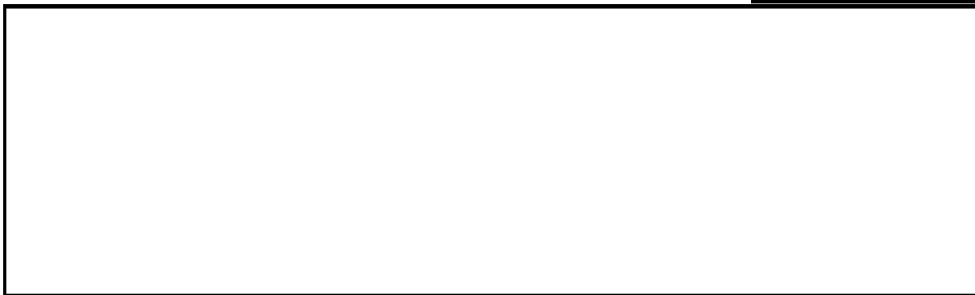
b7E

Legal

Technical



b7E



b7E

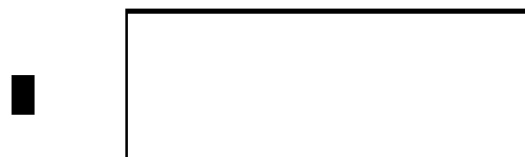


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Other Considerations

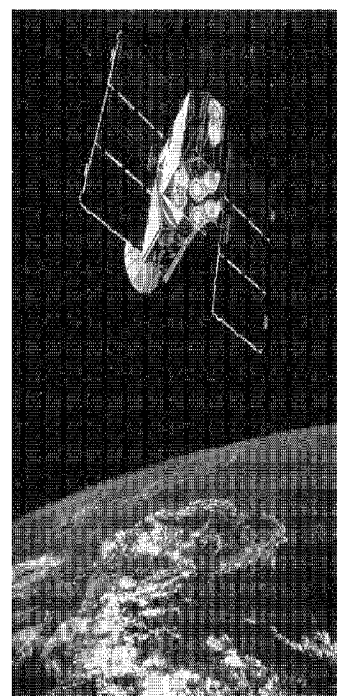
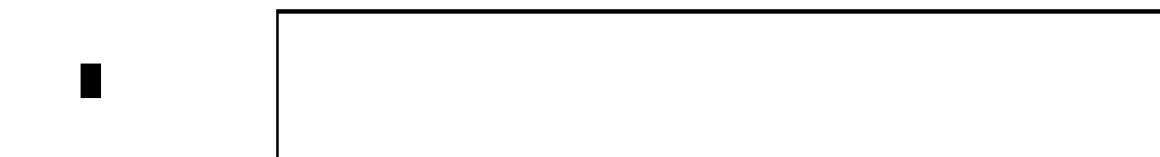


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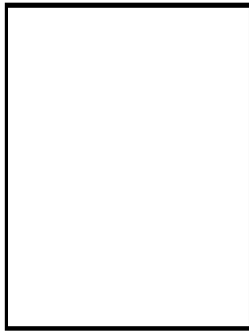


■ Case Examples

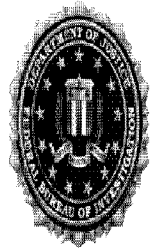
- Working it the Right Way
- Working it the Wrong Way



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Requirements



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- #1 Sin:



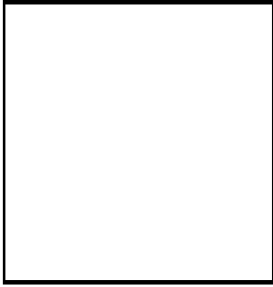
- There is no canned solution – (does not apply to gimme's)

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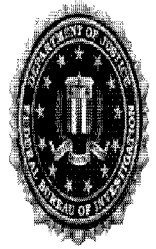
- #2 Sin:



- #3 Sin:

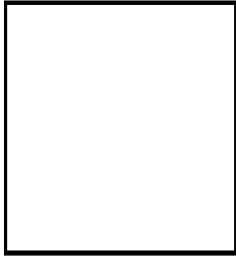


Risk Assessment

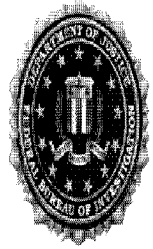


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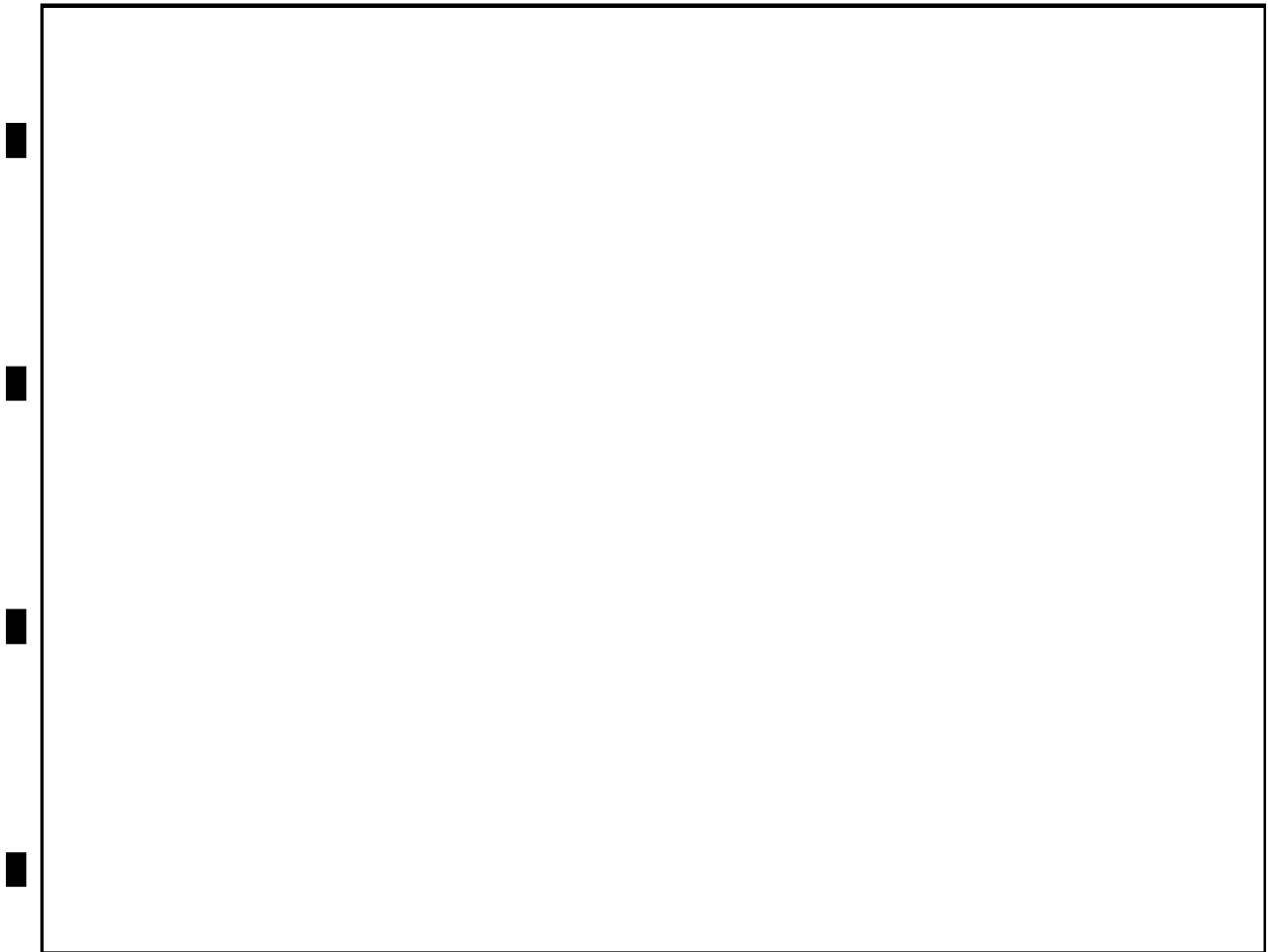


Communicate Risk

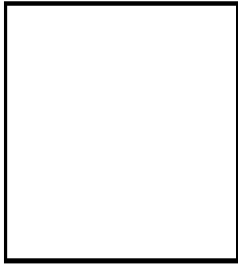


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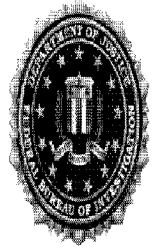
- Need a basis for common understanding.



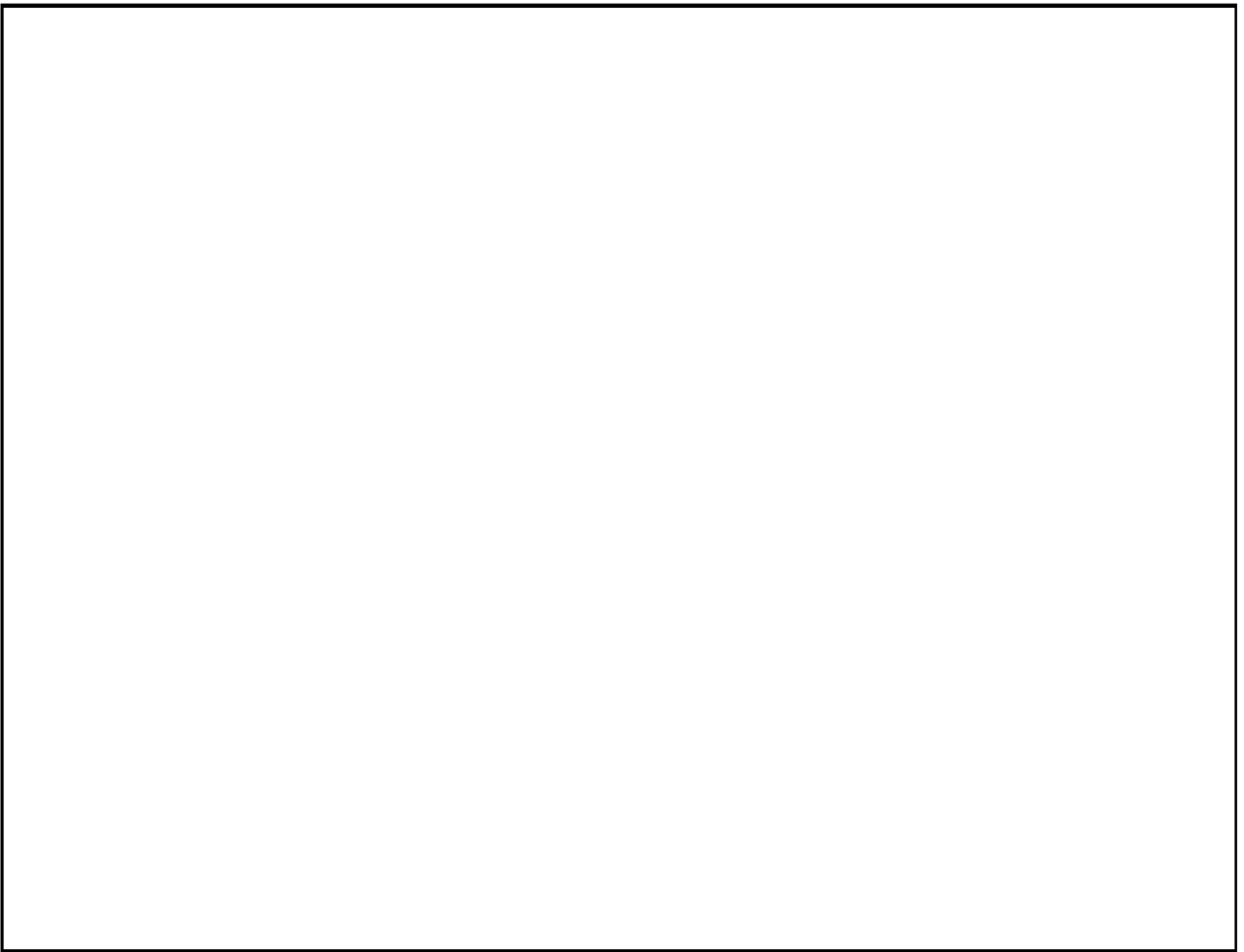
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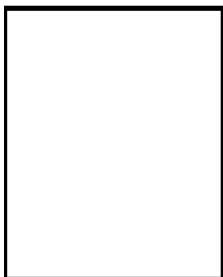
Risk Assessment



b7E



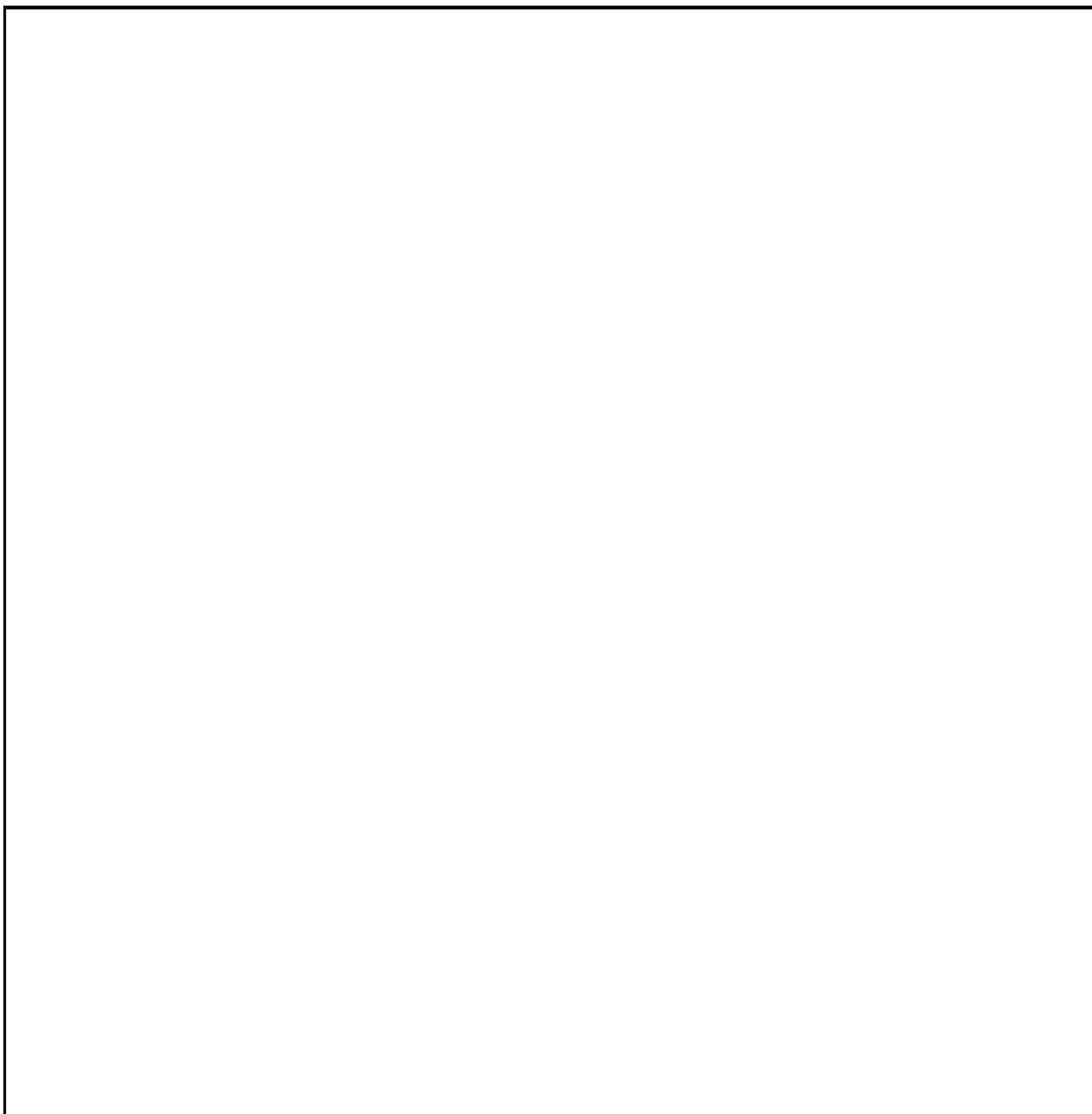
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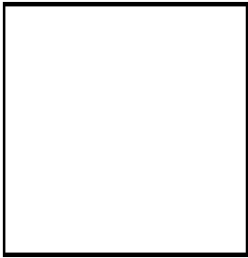


Communicate Risk

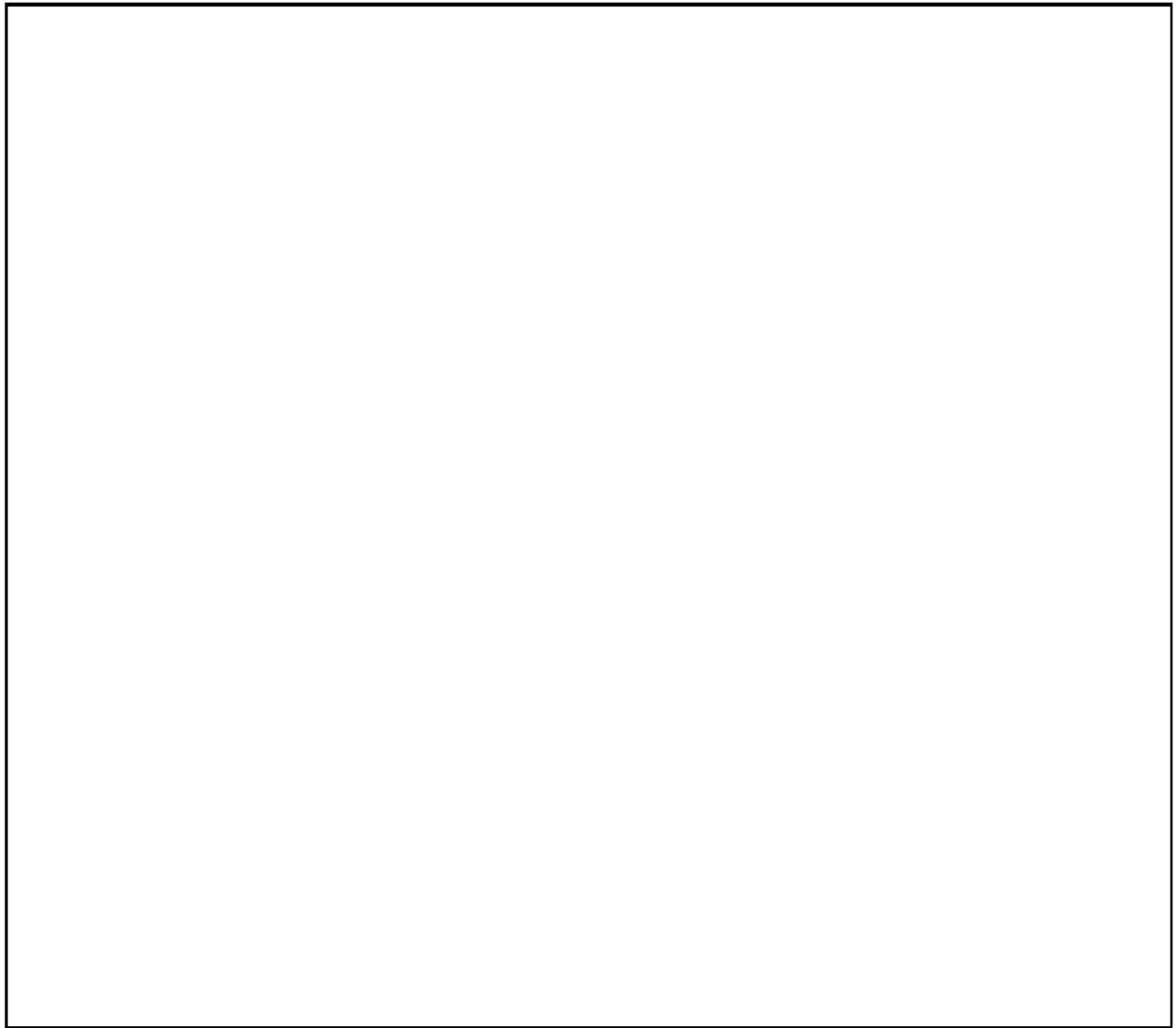
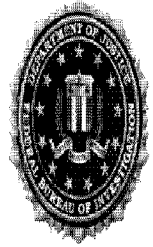


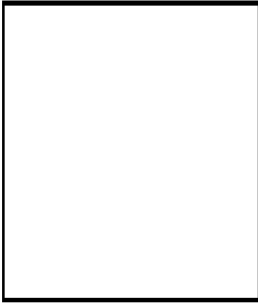
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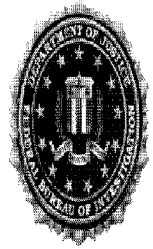


Communicate Risk





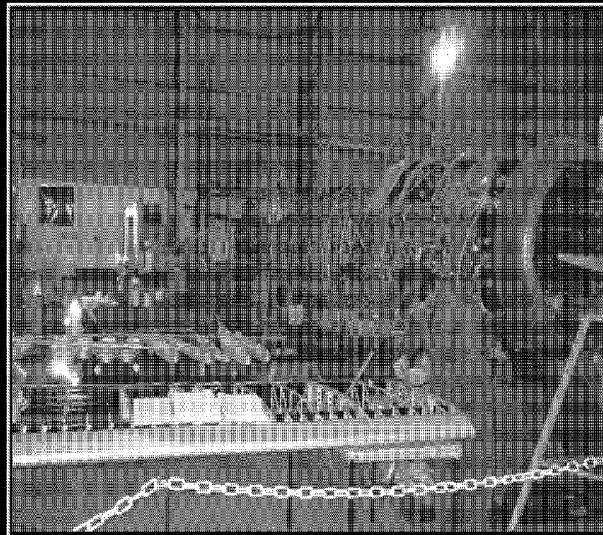
Risk Assessment



b7E



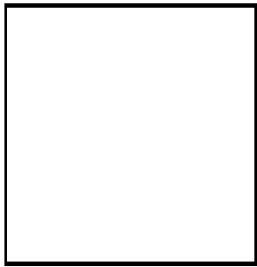
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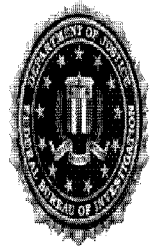
"TECHIES"

All of the fun of being a real engineer.
None of the math.

Discussion



Risk Assessment



b7E

Intro to



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