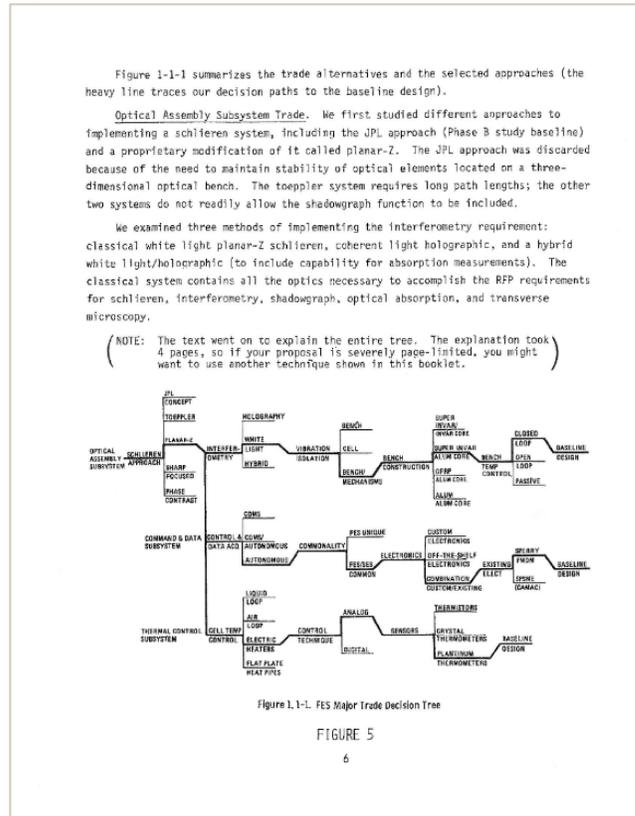


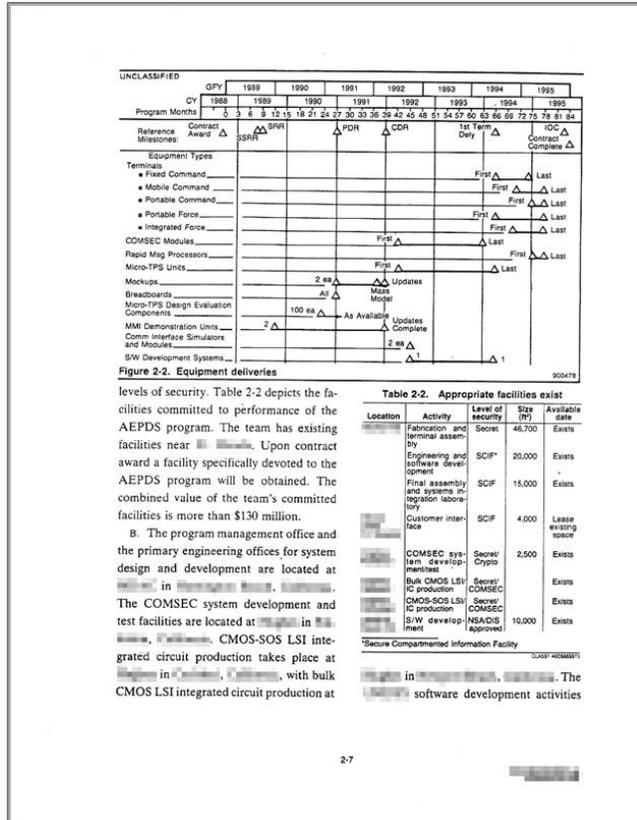


Are We Stuck in the Past? The Need for New Thinking

Ajay Patel, CF APMP
Chief Executive Officer, SMA, Inc.



- Technical report format
- “River-raft” technique common: graphic rafts on a river of text
- No widespread use of thesis statements
- However, STOP in use at Hughes
- Single column
- Simple layout
- Not easy to revise
- Hand-drawn illustrations
- Simple covers
- Typewriters
- Carbon paper and mimeographs
- X-Acto knives and Magic Tape



- Some double column formats
- Foldouts
- Word processor-based revisions, e.g. WordStar, WordPerfect, Word
- Tables made with IBM character set special characters
- Laser printers with monospaced fonts
- Simple vector graphic programs, e.g. GEM Draw Plus
- Desktop publishing using mainframes and workstations, e.g. LaTeX, Interleaf
- Color covers using photographic montages

1.0 INTRODUCTION

The [redacted] Team offers a highly-commercial leveraged solution to Phillips Lab's Integrated Space Technology Demonstrations (ISTD) Warfighter-1 (WF-1) program that meets all, and exceeds many requirements of the Statement of Objectives (SOO) and the System Requirements Document (SRD).

System Approach – Our team brings the best mix of commercial space technology and industry practices to ISTD resulting in a WF-1 program with manageable risk. We qualify an existing Hyperspectral Imaging (HSI) camera and integrate it with a proven telescope.

Our Best Value WF-1 approach allocates a significant portion of available funds to the payload because we have reduced the funding needed for non-developmental items.

- 1) Modifying a production line [redacted] bus provides reliability at low cost;
- 2) Using a scheduled [redacted] replenishment launch for WF-1 on the reliable Delta II (along with two replenishment [redacted]) saving over \$15M in launch costs;
- 3) Modifying our [redacted] Ground Station meets WF-1 WMGS requirements at reduced cost while providing proven tactical equipment;
- 4) Our existing SATCOM facility provides low-cost satellite control.

On-board data processing ensures timely information to warfighters (Figure 1-1). Target location, identification, and terrain typing, in addition to hyperspectral data, is downloaded to the WF-1 Mobile Ground Station (WMGS) and to the Mission Data Center. We transmit encrypted target data worldwide from WMGS via the [redacted] constellation.

[redacted] world-wide ground network receives, markets and distributes our commercial image products, leveraging their marketing infrastructure to ensure viable commercial imaging sales.

Figure 1-1. WF-1 System – On-board processing for real time target detection

Volume 1 TechWgtr-1

- Color!
- Cover tells the story
- Text “illustrates the graphics”
- Emphasis on graphical elements for ease of understanding
- Consistent use of themes
- Focus boxes for the hard sell
- Templates custom to the proposal
- Mandatory use of foldouts to tell the entire story
- Strategically-planned proposal widespread

The 1990s (with a bit of innovation)

MEETING THE CHALLENGES WITH A PERFORMANCE-PROVEN, FULL-CAPABILITY TEAM

The Cummins Ground Station (CGS) gives the Army warfighter the competitive edge to rely on into the next century for rapid, all-weather, 24-hour, 6-day intelligence. It is the first significant intelligence capability to extend down to the brigade and fire support levels. In many respects, the CGS represents a new approach to intelligence. Our challenge is to push the edge of the envelope and produce a CGS that provides a near-real-time, multisensor, integrated picture of the battlefield, never before available.

We have formed the most experienced and technologically advanced team possible to produce the CGS to meet Force XXI requirements. Our team partners enjoy the highest reputation within DoD, supporting numerous Army modernization initiatives, as well as intelligence programs that support all of the services. [redacted] performs as the prime contractor and systems integrator in ensuring the functionality of the [redacted] in the CGS. After discussions with [redacted] and [redacted] to join us in producing the CGS, together we possess every critical skill and technology necessary to guarantee a CGS of unmatched capability and quality. That is our team's pledge to the Army.

| | | | |
|--|--|--|---|
| System management and migration | Imagery processing using ITRAC/ETRAC expertise | PI efforts • [redacted] aircraft simulators | PI efforts • Requirements definition |
| System interoperability | • SID system interface • SAT PDU/links | • Electronic technical manuals | • CONOPS • Compression algorithms |
| IT/Merging | Automatic level of recognition for PI | | • Automatic target recognition |

OUR APPROACH REFLECTS STREAMLINED ASARC PROCESS AND BEST VALUE TO GOVERNMENT

- ✓ Twelve years of outstanding [redacted] performance by [redacted] including that during Desert Storm (42 sorties over 90% availability)
- ✓ Teamwork through empowered integrated product teams (IPTs) with government representation, using online communications and common databases to resolve issues early
- ✓ Baseline configuration with all newest [redacted] features plus demonstrated Secondary Imagery Distribution (SID) system capability
- ✓ Open, tool-based architecture meets C4I Technical Architecture requirements and emphasizes commercial state-of-the-art technologies
- ✓ Comprehensive, five-year performance warranty
- ✓ Powerful F3I technologies already analyzed for exceptional military utility
- ✓ Proven, responsive integrated logistics support (ILS)/capabilities
- ✓ Two prototypes to demonstrate critical CGS capabilities before award
- ✓ We leverage a combined \$/M [redacted] investment in [redacted]-related technologies ([redacted] and Command Vision Center) to ensure a low-risk program.

Using two company-funded [redacted] for [redacted] prototypes, we...

- ✓ Verify the ADP architecture prior to contract start
- ✓ Provide new, multiple window screens
- ✓ Integrate ETRAC imagery processing/SID
- ✓ Provide UAV imagery processing (IR-SAR)

Configuration

“What you saw in the jungles and cities of Panama and in the desert of Iraq was a window on the future of warfare. We essentially told the Panama Defense Forces and the Republican Guard, I know where you are and where you are not. I know where I am, and I’m coming after you, day and night, in all weather. And I will not let up until I take you down. That’s what we did. Took ‘em down.”

General Devine R. Sullivan

1

- Innovative template design
- Use of pull quotes

3.0 SYSTEMS ENGINEERING APPROACH [SOW 3.3]

We tailored our proven, comprehensive engineering process to directly align with the established USMC **Program Office's** processes. We provide a low-risk path to a successful CDR, DT events, and resulting Milestone C decision.

Our CMMI[®] qualified engineering processes are tailored using the **Systems Engineering Plan** to cover all facets of the program. In addition, this same approach is flowed to all subcontractors to ensure a unified and collaborative process.

During the **Phase 1**, we streamlined and tailored these processes to produce the tested configuration, the transportability study and the architecture study, all in a rapid development cycle.

Our system capitalizes on maximum reuse of Configuration Items (CIs) from Phase 1. These CIs include the **Track Manager**, the **Display**, and the **data link manager**.

To these, we add our **Software and Component Products**, as described in Section 5.0, Figure 5-5, our **Transportability Package** (or **Product**), as described in Section 6, elements from the

Our systems engineering capability ensures a design that leads to a successful Milestone C decision and Limited Rate Initial Production.

- **Phase 1** and **Phase 2** continue their successful Phase 1 intercompany teamwork into Phase 2
- **Phase 1** successes on the Risk Reduction Effort continue into Phase 2
- Our tailored systems and specialty engineering processes provide continuous collaboration with the customer to drive out risk
- Our specialty engineering disciplines are integrated throughout the development cycle to ensure a holistic solution that meets all threshold requirements and provides customer satisfaction
- Our IA approach is tailored, based upon customer feedback, to reduce IA risk and ensure 100% compliance

Phase 1 such as the **product**, and improvements based upon the Government response to our **studies** and onsite testing (see Figure 3-1). Our pre-proposal efforts combined these various inputs into the solution provided in this proposal.

Consistent and rigorous application of these principles ensures a successful Milestone C for the proposed system.

Our Systems Engineering (SE) approach, described in the SE Management Plan (SEMP) in Appendix 3-1, covers the entire

Figure 3-1. Low-Risk, Low-Cost Approach to Phase 2
Our modular approach builds upon the key configuration items of the Government's Phase 1 design to meet 100% of the threshold SSS requirements

Part IV: Technical Volume – 3-1

- Consistent application of themes
- Improved crosswise integration of win themes through graphics, text and cost
- Big improvement in cost volumes
- Big improvement in IMP/IMS
- Visually, not much changed from the 1990s
- Use of the same tools (Word, PowerPoint, Illustrator) – just on faster PCs with different aesthetics

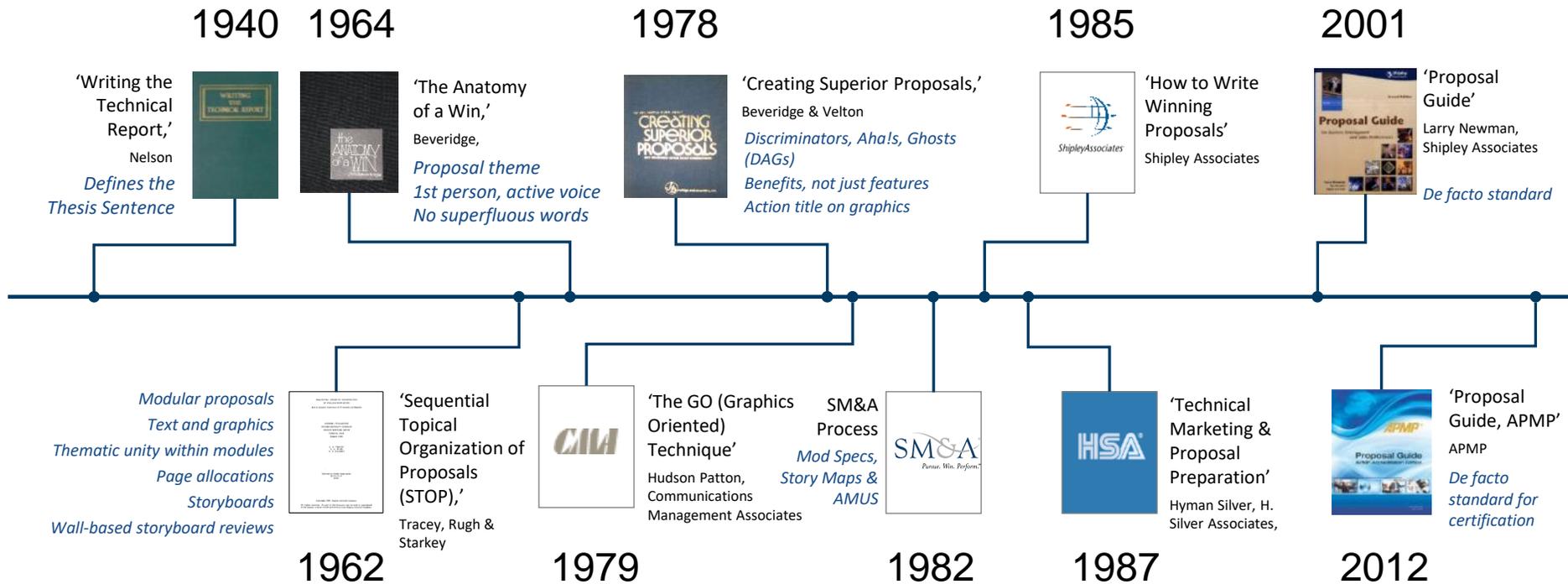
When Did We Start Doing it This Way?

Ideas we accept as Best Practice have early origins:

| | | |
|-------------------------------|---|---|
| Thesis sentences | 'Writing the Technical Report,' Nelson, 1940 |  |
| Modular proposals | 'Sequential Topical Organization of Proposals (STOP),' Tracey, Rugh & Starkey, 1962 |  |
| Text and graphics | | |
| Thematic unity within modules | | |
| Page allocations | | |
| Storyboards | | |
| Wall-based storyboard reviews | | |
| Proposal theme | | |
| 1st person, active voice | 'The Anatomy of a Win,' Beveridge, 1964 |  |
| No superfluous words | | |
| Discriminators, Aha's, Ghosts | | |
| Benefits, not just features | 'Creating Superior Proposals,' Beveridge & Velton, 1978 |  |
| Action titles on graphics | | |

Current “Best Practice” Has Early Origins

...and have since become codified into command media

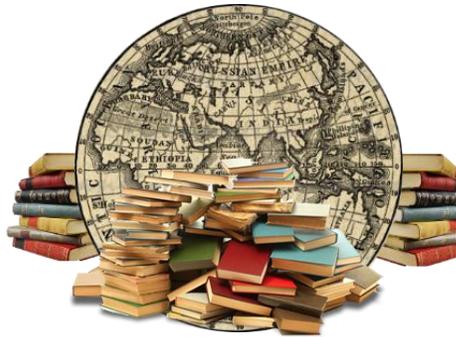


A slow evolution over 40 years...

Persuasion on the Cheap

Conventional wisdom now widely adopted in our profession as a best practice is that “a picture is worth a thousand words”¹, yet there is a visual persuasion gap

What We are Taught in School (K-to PostDoc)



Since the advent of Gutenberg’s printing press, our culture of learning is about reading and writing

We are discouraged to learn how to read pictures (comics) in school

Where the World is Heading



Five exabytes (one billion gigabytes) of content were created between the birth of the world and 2003. In 2013, 5 exabytes of content were created each day², the vast majority of this as a visual representation of information

What We Need is Visual Literacy



*We are flooded by information in images, from photographs to illustrations to flow charts to tables and information graphics, yet we were never taught how to read a picture in school
Is this skill so innate in our genetic makeup that it does not need to be taught?*

What is this?

Trade Study

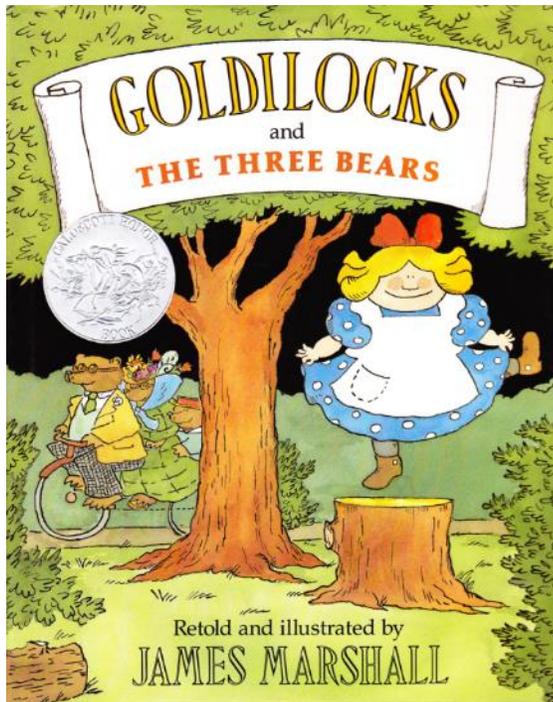
| Product Feature | | Defining Trait | | |
|-----------------|--|----------------|--|--|
| A | | Temperature | | |
| B | | Dimensions | | |
| C | | Modulus | | |

| Company | Defining Characteristic | Product Maturity | Confidence | Cost |
|---------------|-------------------------|------------------|------------|------------|
| Company Alpha | Light | 8 | High | Low |
| Company Beta | Dark | 12 | High | High |
| Company Gamma | Medium | 11 | Moderate | Medium |
| Company Delta | Exotic | 3 | Low | Medium-Low |

Moral of the story: Selfish disrespect of property rights can put you in peril

Use of Narrative to Show Complexity

Reference



Memorable

Once upon a time, there was a little girl named Goldilocks. She went for a walk in the forest. Pretty soon, she came upon a house. She knocked and, when no one answered, she walked right in. At the table in the kitchen, there were three bowls of porridge. Goldilocks was hungry. She tasted the porridge from the first bowl.

“This porridge is too hot!” she exclaimed...

Not Memorable

Trade Study

| Product Feature | | Defining Trait | | |
|-----------------|-----------|----------------|----------|--------|
| Porridge | | T° | | |
| Chair | | Size | | |
| Bed | | Firmness | | |
| Character | Traits | Age | Hunger | Size |
| Goldilocks | Blonde | 8 | High | Petite |
| Papa | Brown | 12 | High | Big |
| Mama | Tawny | 11 | Moderate | Medium |
| Baby | Red-Brown | 3 | Low | Small |

What is this?

Context: Challenge to address diminishing supplies of scarce resources



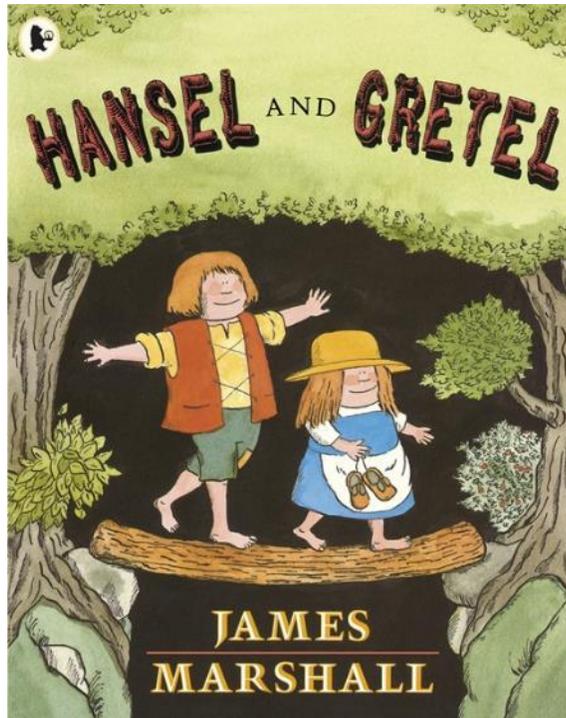
Supply Strategies

| Competitor | Strategy | Teaming Approach | Critical Competency |
|---------------|-----------------------|--|---------------------|
| Company Alpha | Monopolize supply | Go Alone | Profitability |
| Company Beta | Find adjacent sources | Team with similar size to take on larger competitors | Reliability |
| Company Gamma | Eliminate competitors | Team with similar size to take on larger competitors | Innovation |
| Company Delta | Find new sources | Opportunistic M&A | Past Performance |

Morals of the story: be cautious around strangers, don't judge solely on appearance, and beware of evil influences that lead you to abandon your values

Use of Narrative to Show Complexity

Reference



Memorable

Once upon a time, there lived a poor woodcutter with his wife and two children. The little boy called Hansel, and the girl named Gretel. There was never much to eat in their home...

“At the crack of dawn, let’s take the children down into the deepest part of the forest. We’ll make a fire for them out there and give them each a crust of bread...they’ll never find their way back home, and we’ll be rid of them...”

Not Memorable

| Supply Strategies | | |
|-----------------------|------------|---------------------|
| Strategy | Character | Critical Competency |
| Monopolize supply | Stepmother | Greed |
| Find adjacent sources | Hansel | Faith |
| Eliminate competitors | Gretel | Cleverness |
| Find new sources | Witch | Duplicity |

What is this?

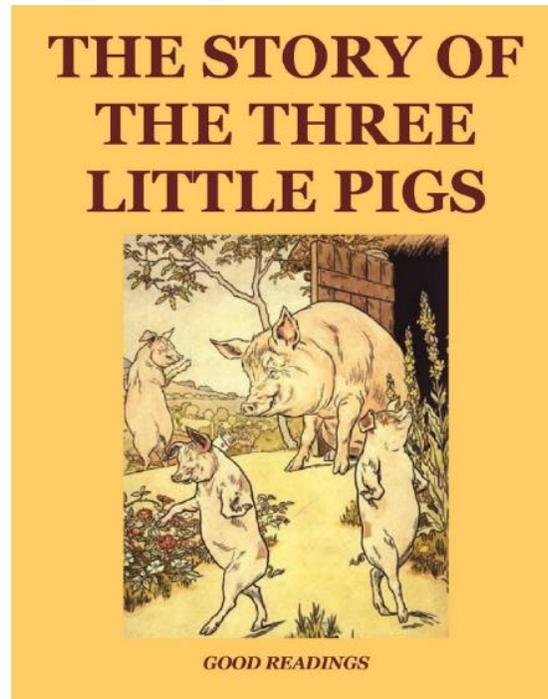
Evaluation of Competing Approaches

| Main Choice | Company | Traits | Outcome |
|---|---------------|-----------------------|-------------|
| Bid at threshold KPPs | Company Alpha | Poor past performance | Lose |
| Bid above objective KPPs | Company Beta | Overpromising | Lose |
| IRAD investment to create low-risk bid above objective KPPs | Us | Practical & clever | Win |
| Bid below threshold KPPs | New Entrant | Overconfident | Embarrassed |

Moral of the story: hard work and dedication pay off; take the time and expense necessary to do things the right way. You may get by for awhile with shortcuts and shoddy work, but in the long run it will cost you.

Use of Narrative to Show Complexity

Reference



Memorable

... Presently came along a wolf, and knocked at the door, and said, "Little pig, little pig, let me come in."

To which the pig answered, "No, no, by the hair on my chiny chin ."

The wolf then answered to that, "Then I'll huff, and I'll puff, and I'll blow your house in." So he huffed, and he puffed, and he blew his house in and ate up the little pig.

The second little pig met a man with a bundle of furze, and said, "Please...

Not Memorable

Evaluation of Competing Approaches

| Main Choice | Name | Key Traits | Outcome |
|-----------------------|--------|----------------------------|---------------------------|
| Mud (straw) | Browny | Wallowing, but disobedient | Rescued from imprisonment |
| Cabbage (Sticks) | Whitey | Greedy & insatiable | Rescued from imprisonment |
| Brick | Blacky | Practical & clever | Savior |
| Deceit, Huff and Puff | Wolf | Deceptive beyond own good | Scalded to death |

Use of Narrative to Show Complexity

Narratives are Second Only to First-Hand Experience

Direct experience produces “experiential knowledge”

Analysis produces “evidentiary knowledge”

Narratives bring both alive for readers not at the creation

Captures complexity while communicating insights clearly

Moves others to understanding and motivates behavior

Provides the arc from mystery to discomfort to curiosity to credibility to empathy to solace to inspiration

Raison d'être for graphics to convey facts, data and evidence, processes and frameworks and abstract concepts

**REASONED,
COMPELLING
AND MEMORABLE**

Use of Narrative to Show Complexity

We have a very hard job to perform



Our Audience

Mental capacity for processing information for most of us is 7, plus or minus 2 (2.5 bits)

Most evaluators have a day job with more things to do than time

All proposals are greeted with skepticism, cynicism, lassitude, or derision (pick one)

What We Want of the Audience

Greater Knowledge transfer

Higher level of understanding

Relief from boredom

Longer retention

Fewer interpretative errors

What Gets in Our Way

Overly specified structure and other constraints imposed by the customer

Complexity of subject and numerous subtleties

Unclear burden of proof in sufficiency of data

Conventional wisdom and over-reliance on best practices

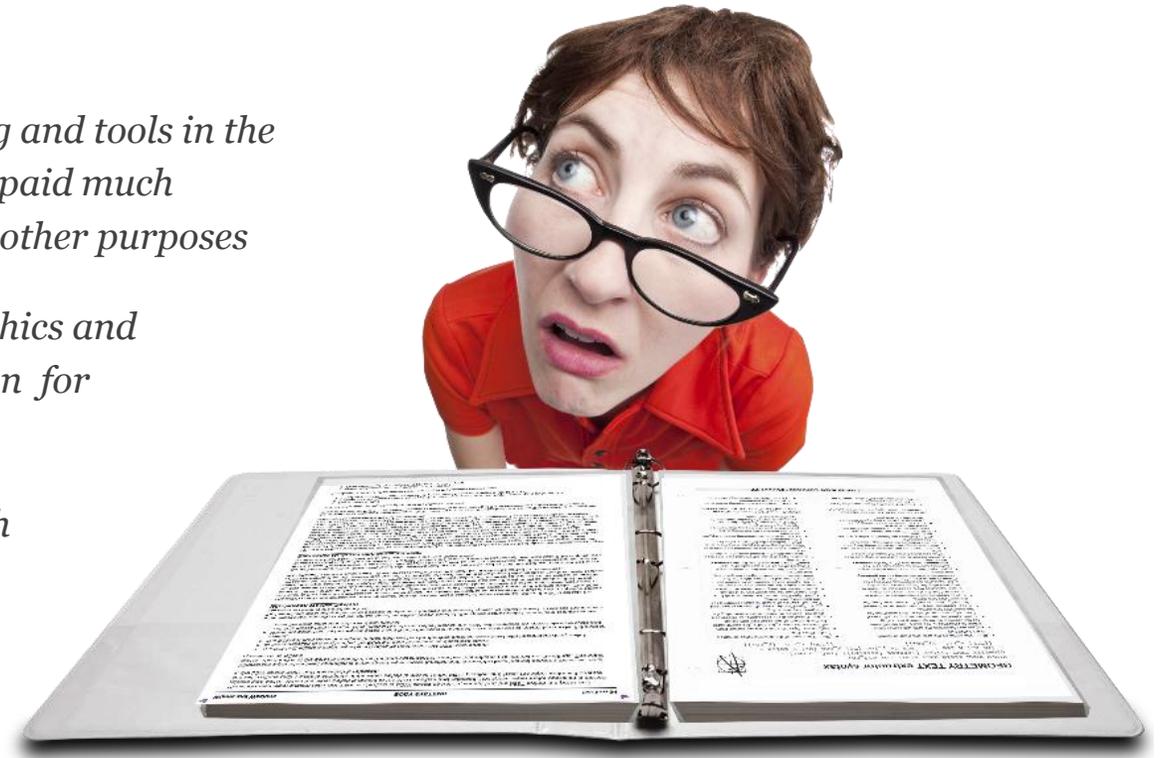
Time to re-examine the role of text in proposals, and incorporate new methods of the “art of narrative”

For the past 20 years we’ve incorporated state of the art thinking and tools in the creative act of graphics in our proposal tradecraft, but have not paid much attention to new methods for narratives now in common use for other purposes

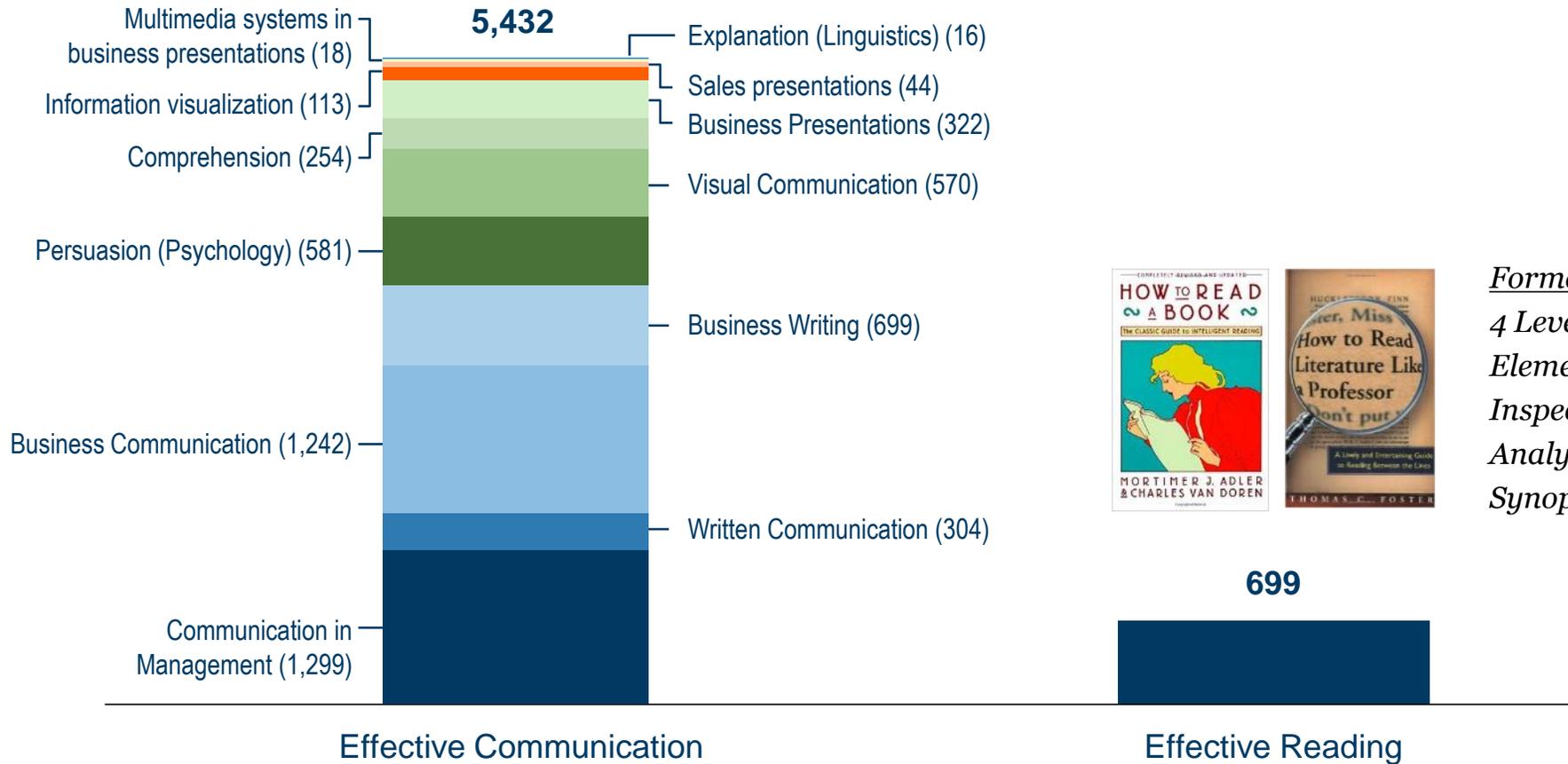
Lacking visual literacy as an innate skill, surplus of data in graphics and proliferation of meaning creates a burden on the reader to reason for him/herself.

Tracey and others in 1965 set out to solve this same problem with STOP to shift the burden of logical coherence back to the author.

Have We Come Full Circle?



Books by Subject (Library of Congress)

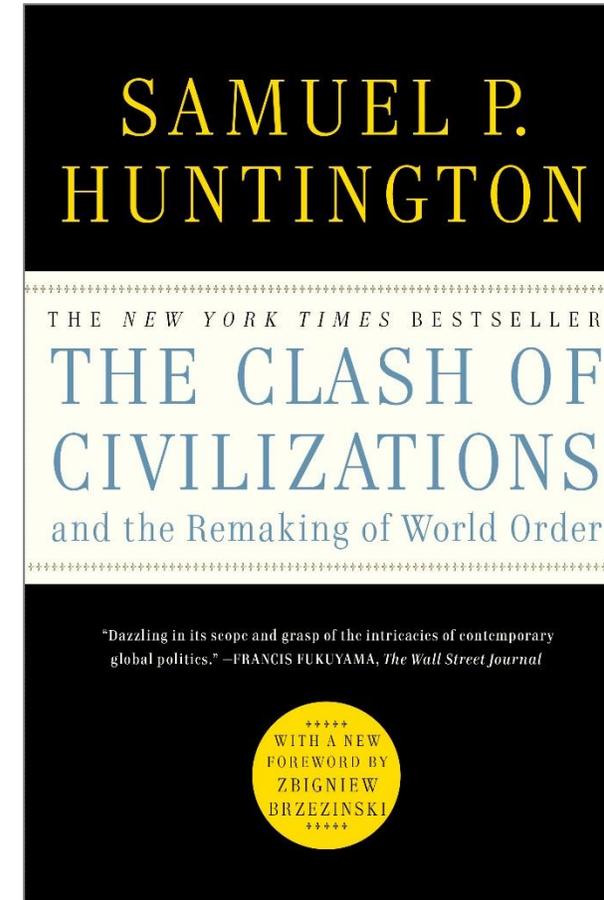


Formative Literature
4 Levels of Reading
Elementary
Inspectional
Analytical
Synoptical

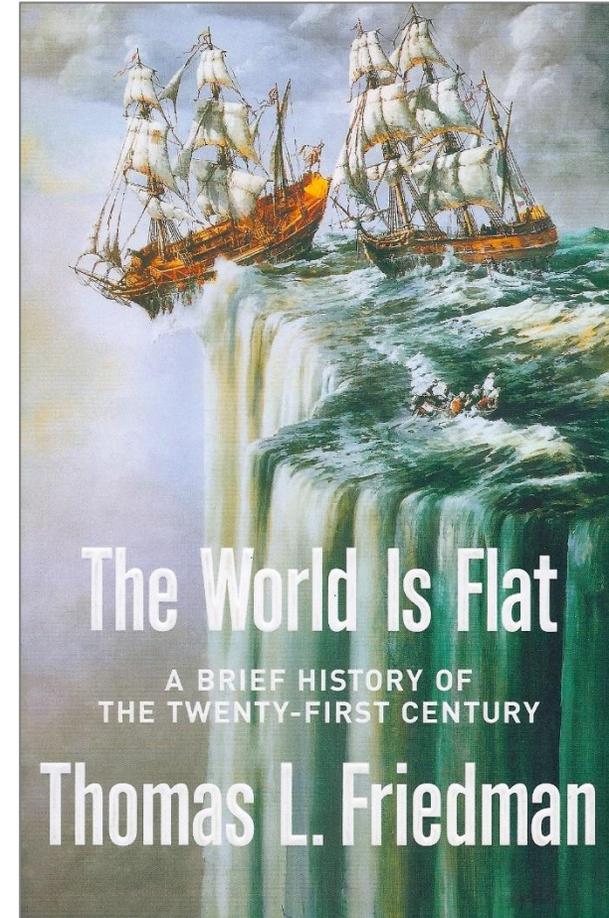
Think of these as models for: Communication, Persuasion, Engagement and of course... information sharing (but in many cases, that's not really the most important function)

Iconic Social Science Argument Trajectory

- *What's the question/problem?*
- *Where does the question come from?*
- *What's the (hypothesized) answer?*
- *How did we arrive at that 'answer'?*
- *So what? If our answer is correct, what else of interest happens?*

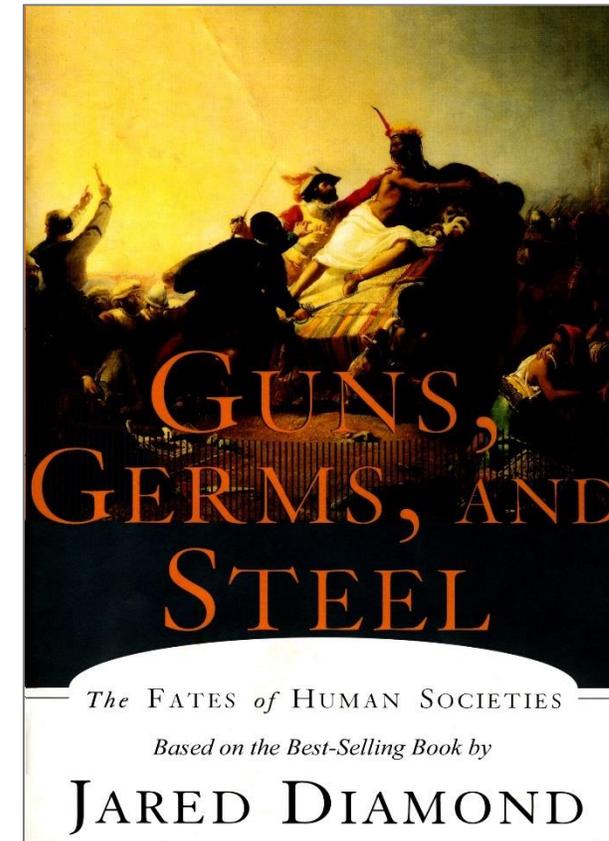


- *Presenting Snapshot, then SOAP*
- *Subjective*
- *Objective*
- *Assessment*
- *Plan*



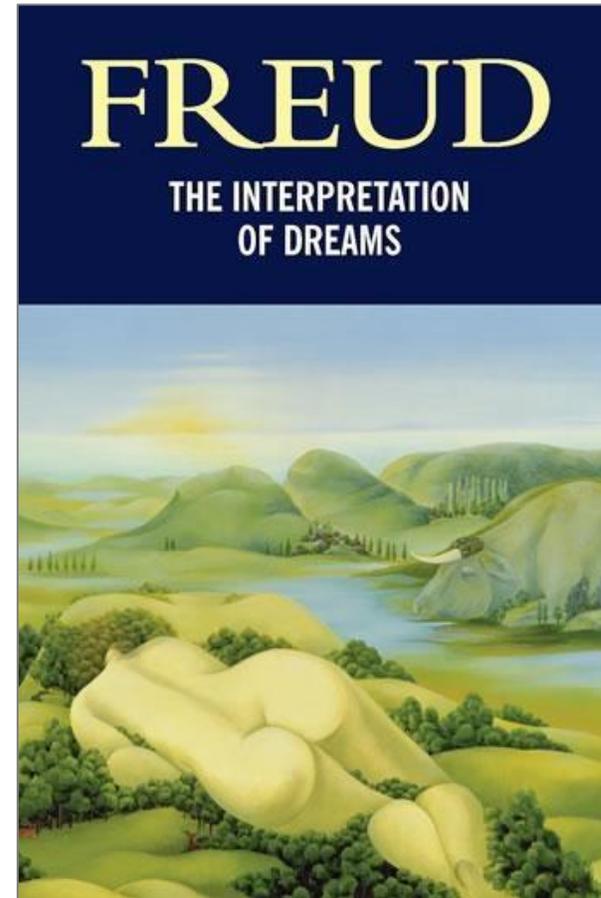
Iconic Inductive Reasoning Path

- *From Data Points, to Generalizations*
- *No 'theory' per se, at least not as guiding principle for the story*
- *The story emerges from the details*
- *The more data, the better*

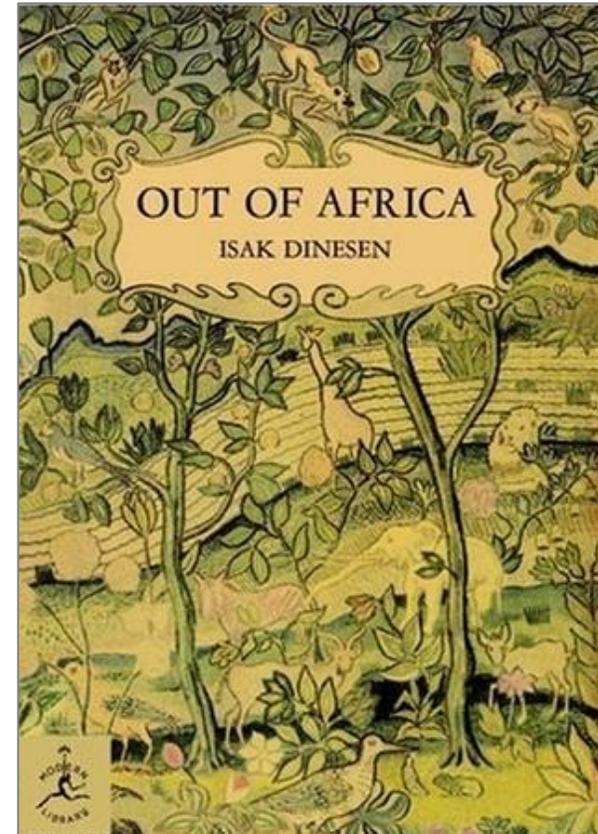


Iconic Deductive Reasoning Path

- *From Theory to Hypotheses*
- *A big 'story' generates expectations about what you will see in the world*
- *The details follow from the theory*
- *The more generative and precise the theory, the better*



- *‘Deep’ narrative*
- *‘Embedded’ storytelling — the storyteller puts herself in the position of the subject*
- *Capturing ‘Culture’ is more important than explicating causality*



Some Basic Comparisons

| Model | Optimized For | Weakness | Exec Sum | Technical | Mgmt & PP | Cost |
|-------------------------|----------------|--|----------|-----------|-----------|------|
| Social Science Argument | big claims | Overly reliant on systemic arguments | ✓ | | | |
| Medical Rounds | specific cases | hard to learn from comparative cases | | ✓ | ✓ | ✓ |
| Induction | data mining | garbage in, garbage out, plus over fitting of data | | ✓ | | ✓ |
| Deduction | prediction | taking weak theories far too seriously | | ✓ | | ✓ |
| Ethnography | gestalt | unfalsifiable mush | | | ✓ | |

Communication & Persuasion Has Changed

Spew!



HUNTING AMAZON SURVIVAL **USA MADE BLOW-GUN** UNAVAILABLE ELSEWHERE

100 FREE REUSABLE STEEL DARTS

SPECIAL BUY 2 GET 600 FREE DARTS

EXTRA DARTS ONLY \$3.50 per 100

NEW! GUARANTEED 10 YEARS! USE 30 DAYS AT OUR RISK!

35 lb. Antelope killed without poison.

Thousands Sold

Don't be fooled by imitations! More Powerful! Improved 50% - KILLS BEARS, COYOTES, FOXES, WOLVES, & ALL FINE BARKERS!

1/2 OFF NOW ONLY \$19.95 list

\$9.97

FREE poison dart info with ALL ORDERS!

IMMED. DEL.

SILENT, POWERFUL, ACCURATE, hits like a bullet! Kills varmints, pests. Target, plinking, thrilling sport! Astound friends! Compressed breath gives amazing power! Pierces 1/2" plywood! 200 ft. range! Rugged .38 cal. aluminum. 100 steel darts, carry case, instructions. 4 1/2' model \$9.97! 5 1/2' \$10.97! Magnum 6' \$11.97! Extra darts \$3.50/100! \$5.95/200! \$14/500! \$26/M! Bonus buy 2 guns get 600 darts! sling! quiver! patches! camou! targets! (\$22 free stuff) Buy 3 same+ 900! cleaning rod! (\$32 free) Buy 4 same+ 1100+ mini-blowgun! 5 same+ 1300 + free 7th gun! 6 same+ 1600! Add \$1.95 postage EACH gun. 30-day moneyback guar. If broken in 15 yrs. we'll replace! **HOUSE OF WEAPONS, INC. Box 794-R Provo, Utah 84601. VISA/Master Charge orders only CALL TOLL FREE NOW 24 hrs: 800-824-7888: AK/HI. 800-824-7919 Ask for operator 720. Buy 17-4 1/2 only \$133 Postpaid**

Memorable and Compelling



What's Next for our Industry?

Typical proposal
for the last 10+
years

3.0 SYSTEMS ENGINEERING APPROACH [SOW 3.3]

We tailored our proven, comprehensive engineering process to directly align with the established USMC **Program Office's** processes. We provide a low-risk path to a successful CDR, DT events, and resulting Milestone C decision.

Our CMMI[®] qualified engineering processes are tailored using the **Systems Engineering Plan** to cover all facets of the program. In addition, this same approach is flowed to all subcontractors to ensure a unified and collaborative process.

During the **Phase 1**, we streamlined and tailored these processes to produce the tested configuration, the transportability study and the architecture study, all in a rapid development cycle.

Our system capitalizes on maximum reuse of Configuration Items (CIs) from Phase 1. These CIs include the **Track Manager**, the **Display**, and the **data link manager**.

To these, we add our **Software and Component Products**, as described in Section 5.0, Figure 5-5, our **Transportability Package** (or **TP**), as described in Section 6, elements from the

Our systems engineering capability ensures a design that leads to a successful Milestone C decision and Limited Rate Initial Production and **continue their successful Phase 1 intercompany teamwork into Phase 2**

- Reduction Effort continues into Phase 2
- Our tailored systems and specialty engineering processes provide continuous collaboration with the customer to drive out risk
- Our specialty engineering disciplines are integrated throughout the development cycle to ensure a holistic solution that meets all threshold requirements and provides customer satisfaction
- Our IA approach is tailored, based upon customer feedback, to reduce IA risk and ensure 100% compliance

such as the product, and improvements based upon the Government response to our studies and onsite testing (see Figure 3-1). Our pre-proposal efforts combined these various inputs into the solution provided in this proposal.

Consistent and rigorous application of these principles ensures a successful Milestone C for the proposed system.

Our Systems Engineering (SE) approach, described in the SE Management Plan (SEMP) in Appendix 3-1, covers the entire

Technical Approach Overview

| Challenges with Phase 1 | Phase 2 Starting Point | Our Modular Approach | Key Benefits of Our Offering |
|---|---|---|------------------------------|
| <ul style="list-style-type: none"> • Large SWaP limiting deployment and support of USMC expeditionary doctrine • High sustainment costs driven by unique hardware and software across the agencies • High cost to update for changing operational needs • No modularity prevents feasible deployments of agencies | <ul style="list-style-type: none"> • Phase 1 Reuse • Identical per Agency • Scale per Agency • State per Agency | <ul style="list-style-type: none"> • Modularity: Modular design directly supports the three agencies with growth • Low-risk Design: Uses proven Phase 1 products resulting in 100% threshold and 30% objective SSS compliance • Reduced SWaP: Innovative virtualized servers reduce directly supporting expeditionary operations • Open Architecture: Open interfaces used throughout allow easy expansion to changing operational needs • Commonality: Reduces sustainment costs | |

Figure 3-1. Low-Risk, Low-Cost Approach to Phase 2
Our modular approach builds upon the key configuration items of the Government's Phase 1 design to meet 100% of the threshold SSS requirements

Part IV: Technical Volume – 3-1

Tomorrow's
proposal



Interesting Books

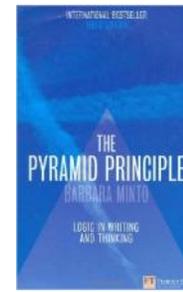
(Not a comprehensive catalog of worthwhile reading)



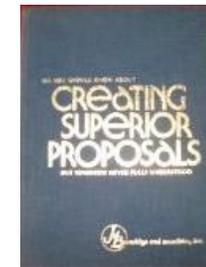
Adler, Mortimer J. and Charles Van Doren.
How to Read a Book: The Classic Guide to Intelligent Reading.
Touchstone, 1972.



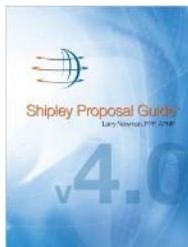
McCloud, Scott.
Understanding Comics: The Invisible Art.
William Morrow Paperbacks, 1994.



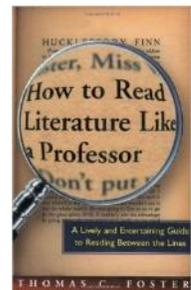
Minto, Barbara.
The Pyramid Principle: Logic in Writing and Thinking, 3rd Ed.
Prentice Hall, 2010.



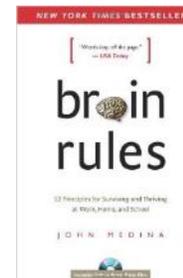
Beveridge, James M and Edward J Velton.
All you should know about creating superior proposals, but somehow never fully understood.
J. M. Beveridge and Associates, 1978.



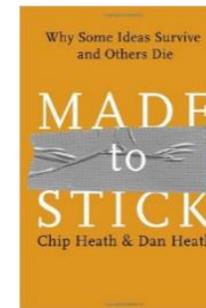
Newman, Larry PFF APMP.
Shipley Proposal Guide, 4th Ed.
Shipley Associates, 2011.



Foster, Thomas C.
How to Read Literature Like a Professor: A Lively and Entertaining Guide to Reading Between the Lines.
Harper Perennial, 2003.



Medina, John.
Brain Rules: 12 Principles for Surviving and Thriving at Work, Home, and School.
Pear Press, 2009.



Heath, Chip and Dan Heath.
Made to Stick: Why Some Ideas Survive and Others Die.
Random House, 2007.

Interesting Articles

(Not a comprehensive catalog of worthwhile reading)



- *Angier, Natalie. “A new mind meld: Merger of science with humanities.” International Herald Tribune, May 29, 2008.*
- *Fryer, Bronwyn. “Storytelling That Moves People: A Conversation with Screenwriting Coach Robert McKee.” Harvard Business Review, June 2003.*
- *Gurri, Martin, Craig Denny, and Aaron Harms. “Our Visual Persuasion Gap.” Parameters. Spring 2010 (2010): 101-109*
- *Miller, George A. “The Magical Number Seven, Plus or Minus Two: Some Limits on Our Capacity for Processing Information.” The Psychological Review. Vol. 63 (1956): 81-97*
- *Randall, Doug and Aaron Harms. “Using Stories for Advantage.” Strategy and Leadership. Vol. 40-1 (2012): 21-26*
- *Tracey, J.R., D.E. Rugh and W.S. Starkey. “Sequential Thematic Organization Of Publications (STOP): How to Achieve Coherence in Proposals and Reports.” Journal of Computer Documentation. Vol. 23-3 (1965): 4-68*

Contact Us



Ajay Patel, CF APMP

President and Chief Executive Officer, SMA, Inc.

Office +1.949.975.1550

Ajay.Patel@smawins.com

www.smawins.com