(YOU'RE DOING IT WRONG)

A.P. DELCHI

WHOIS DELCHI







- INFOSEC RASPUTIN
- DEFCON, HOPE, PUMPCON, SKYTALKS
- MINISTER OF PROPAGANDA & REVENGE, ATTACK RESEARCH

WHOIS DELCHI

\$DIETY

GRANT ME THE SERENITY TO ACCEPT PEOPLE WHO WILL NOT SECURE THEIR NETWORKS,

THE COURAGE TO FACE THEM WHEN THEY BLAME ME FOR THEIR PROBLEMS,

AND THE WISDOM TO GO OUT DRINKING AFTERWARDS

"YOU'RE DOING IT WRONG"

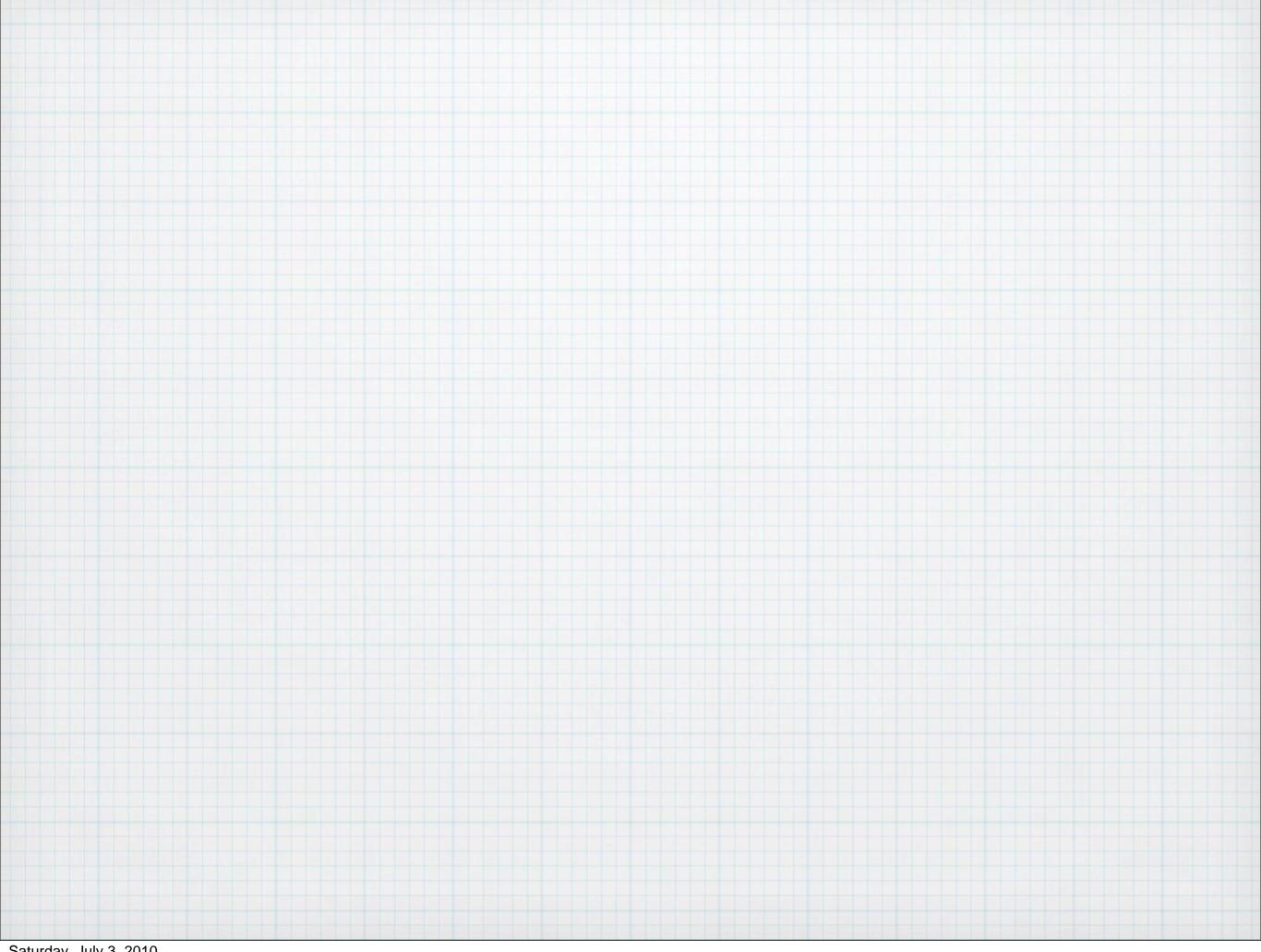
A PHRASE
MEANING THAT
THE METHOD YOU
ARE USING IS NOT
CREATING THE
DESIRED RESULT

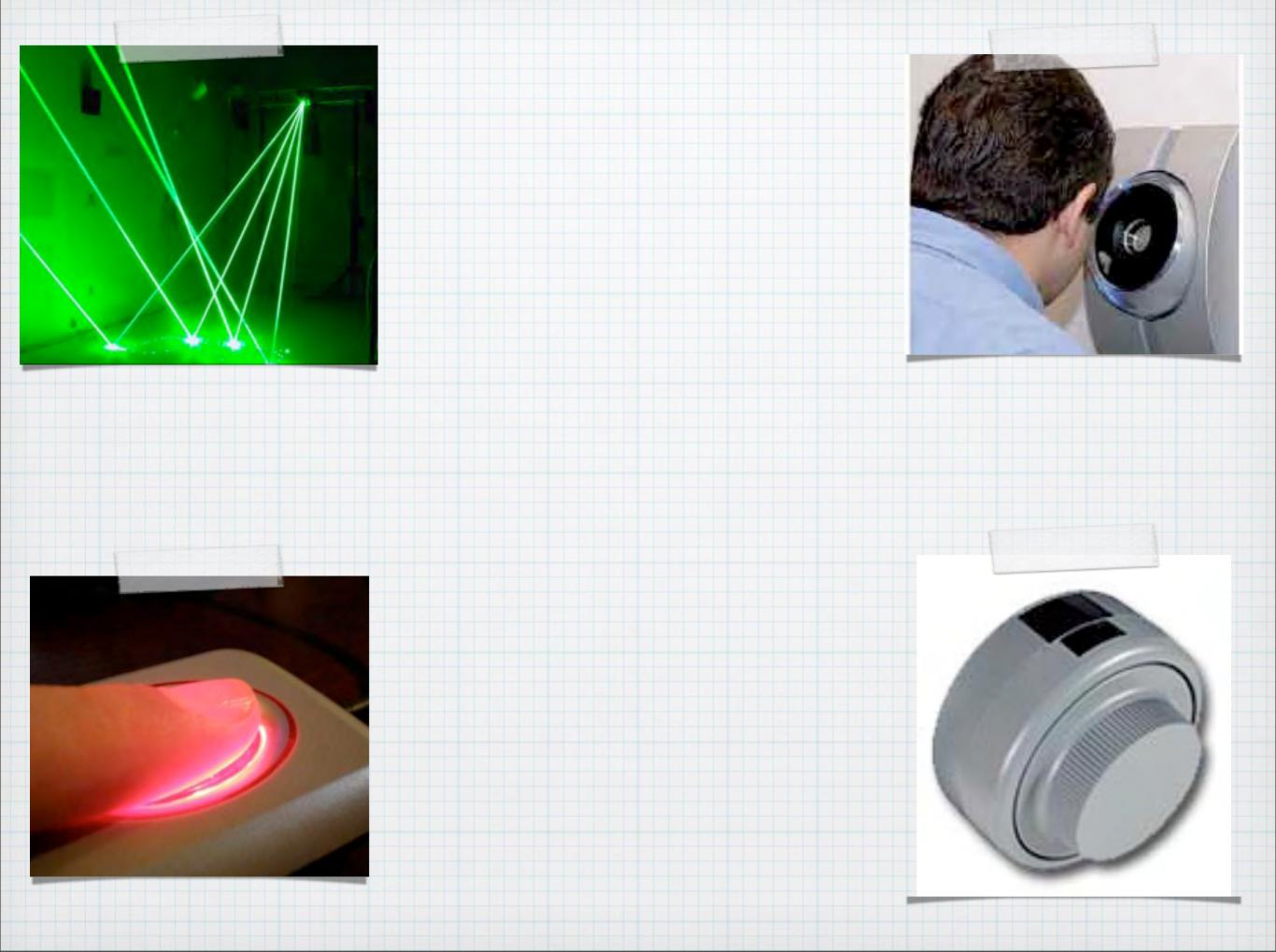


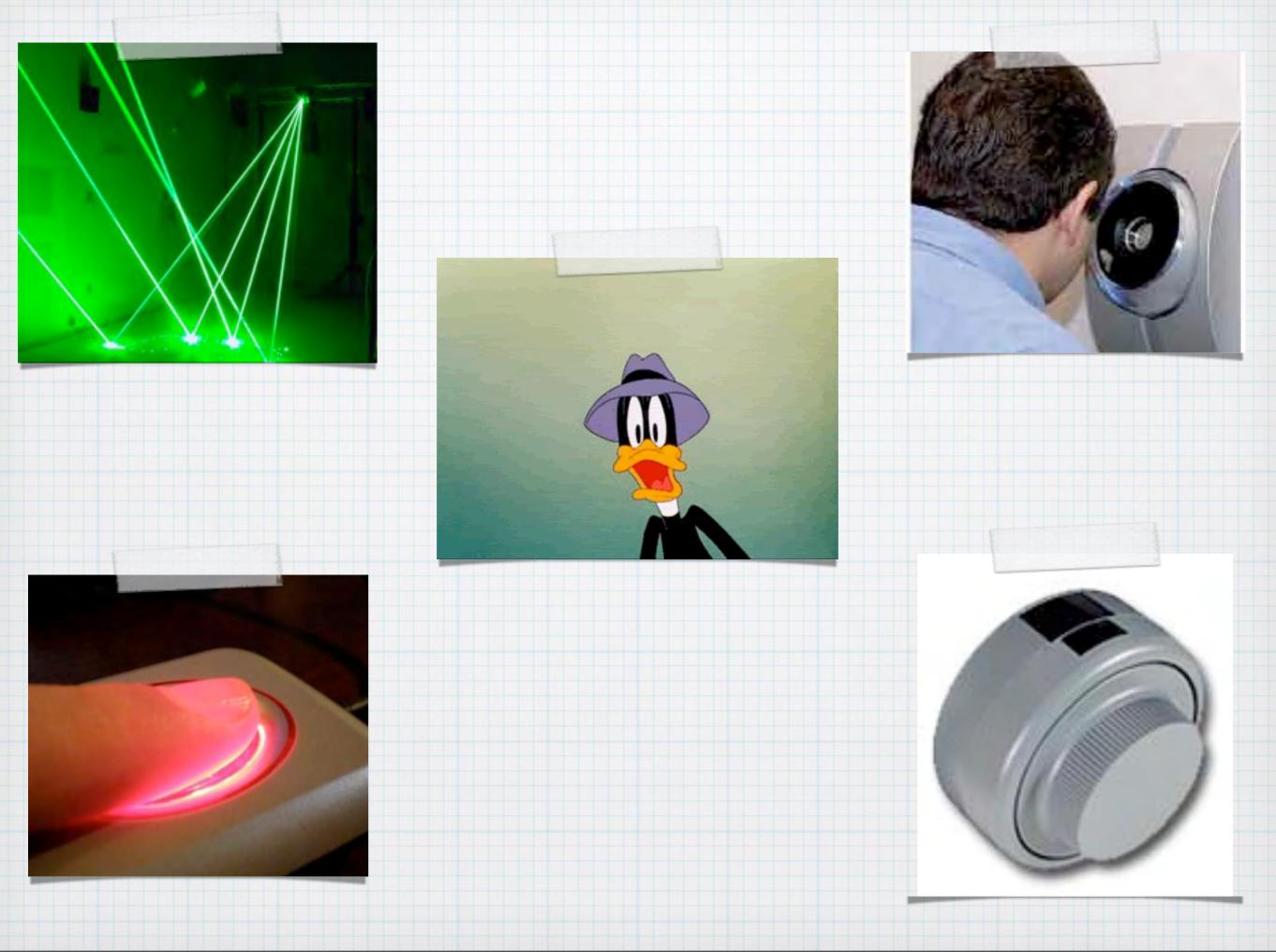


YOUR MISSION

DESIGN AND IMPLEMENT A PHYSICAL SECURITY SYSTEM FOR A NEW FACILITY, TO INCLUDE MULTI-FACTOR AUTHENTICATION AND VIDEO SURVEILLANCE.



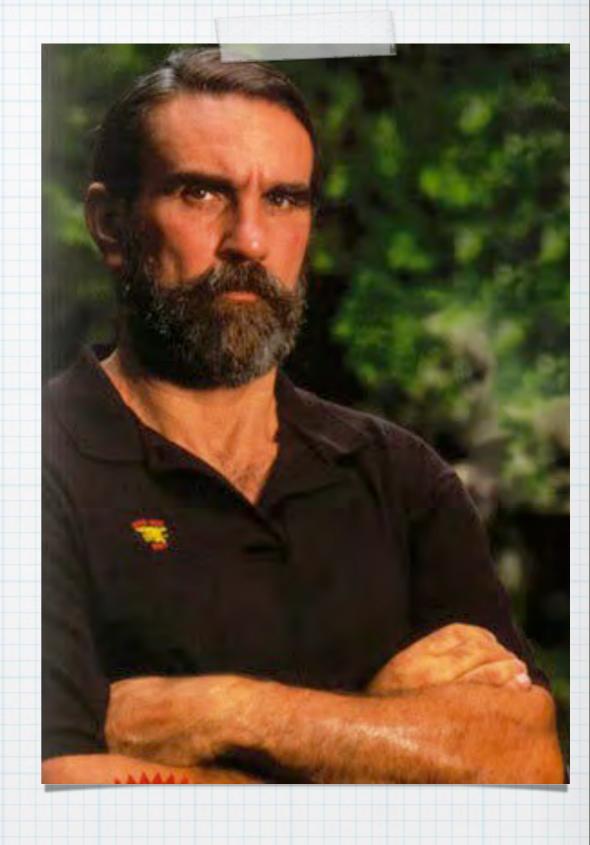




"PROPER PREVIOUS
PLANNING PREVENTS
PISS POOR
PERFORMANCE"

DICK MARCINKO,

"THE ROGUE WARRIOR"





Physical security describes both measures that prevent or deter attackers from accessing a facility, resource, or information stored on physical media and guidance on how to design structures to resist various hostile acts.

en.wikipedia.org/wiki/Physical_security

Physical security describes both measures that prevent or deter attackers from accessing a facility, resource, or information stored on physical media and guidance on how to design structures to resist various hostile acts.

en.wikipedia.org/wiki/Physical_security

Measures to reasonably ensure that source or special nuclear material will only be used for authorized purposes and to prevent theft or sabotage.

www.nrc.gov/reading-rm/doc-collections/cfr/part110/part110-0002.html

Physical security describes both measures that prevent or deter attackers from accessing a facility, resource, or information stored on physical media and guidance on how to design structures to resist various hostile acts.

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Measures to reasonably ensure that source or special nuclear material will only be used for authorized purposes and to prevent theft or sabotage.

www.nrc.gov/reading-rm/doc-collections/cfr/part110/part110-0002.html

The measures used to provide physical protection of resources against deliberate and accidental threats.

www.tsl.state.tx.us/ld/pubs/compsecurity/glossary.html



- ASSESSMENT
- ASSIGNMENT
- ARRANGEMENT
- APPROVAL
- ACTION

ASSESSMENT

A THOROUGH EXAMINATION OF THE FACILITY TO BE PROTECTED.

ASSESSMENT

- •SCOPE OF PROPERTY TO BE PROTECTED
- •ESTABLISHED POINTS OF ENTRY AND EGRESS
- POTENTIAL POINTS OF ENTRY AND EGRESS
- EXISTING SECURITY MEASURES
- EVALUATION OF PHYSICAL PROPERTY
- RISK ASSESSMENT

ASSIGNMENT

ESTABLISH THE REQUIRED LEVEL OF SECURITY FOR SPECIFIC AREAS AND ASSETS WITHIN THE FACILITY.

ASSIGNMENT

- •HIGH LEVEL
 - **√DATA CENTERS**
 - **√EXECUTIVE OFFICES**
 - **√FINANCE & ACCOUNTING**
- MEDIUM LEVEL
 - **√** ENTRY & EGRESS
 - **√** RECEPTION
 - **√** ELEVATORS
- LOW LEVEL
 - **√** COMMON AREAS
 - **√** CUBICLE FARMS

ASSIGNMENT

- CONSIDERATIONS
 - **✓ INSURANCE REQUIREMENTS**
 - **✓ COMPLIANCE REQUIREMENTS**
 - **√** FIRE CODE REQUIREMENTS
 - **√** BUSINESS REQUIREMENTS

ARRANGEMENT

ESTABLISH THE MOST EFFECTIVE LOCATIONS FOR SECURITY DEVICES BASED ON THEIR REQUIREMENTS.

ARRANGEMENT

- CAMERAS
 - √FIELD OF VIEW
 - **√REDUNDANCY**
 - **√TRACKING**
- DOORWAYS
 - **▼ TYPE OF LOCKS**
 - **✓ MULTI FACTOR AUTHENTICATION**
 - **√** TIME BASED RESTRICTIONS
- CENTRAL CONTROL
 - **√** CABLING LIMITATIONS
 - ✓ POWER, ARCHIVING, AND DISASTER PLANNING

APPROVAL

SUBMIT ALL PLANS, COSTS, SCHEDULES AND RELATED DATA TO MANAGEMENT.

APPROVAL

- HARDWARE
 - **√QUOTES FORM MULTIPLE VENDORS**
 - **√LIFETIME REQUIREMENTS**
 - **√SERVICE PLANS**
- COSTS
 - ✓ PLANA, B, AND C
 - **√** FLEXIBILITY
 - **√** OPTIONS
- SCHEDULE
 - **√** TIME FRAME FOR COMPLETION
 - ✓ INTERFERENCE WITH BUSINESS OPERATIONS

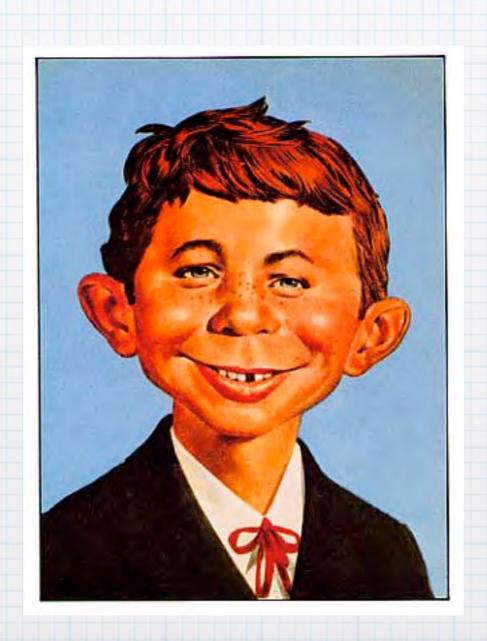
ACTION

IMPLEMENTING THE PHYSICAL INSTALLATION AND CONFIGURATION OF THE APPROVED SYSTEM.

ACTION

- CONSTRUCTION
 - **√OVERSEE CONSTRUCTION**
 - **√OVERSEE INSPECTIONS BY STATE / LOCAL GOVT**
 - **✓ MANAGE CORRECTIONS**
- TRAINING
 - **√** SECURITY OFFICERS
 - **√** USERS
 - **▼ ESTABLISHING POLICY & PROCEDURE**
- TESTING
 - **▼ ENSURING THE SYSTEM WORKS AS PLANNED**
 - **√** COMPLIANCE TESTING

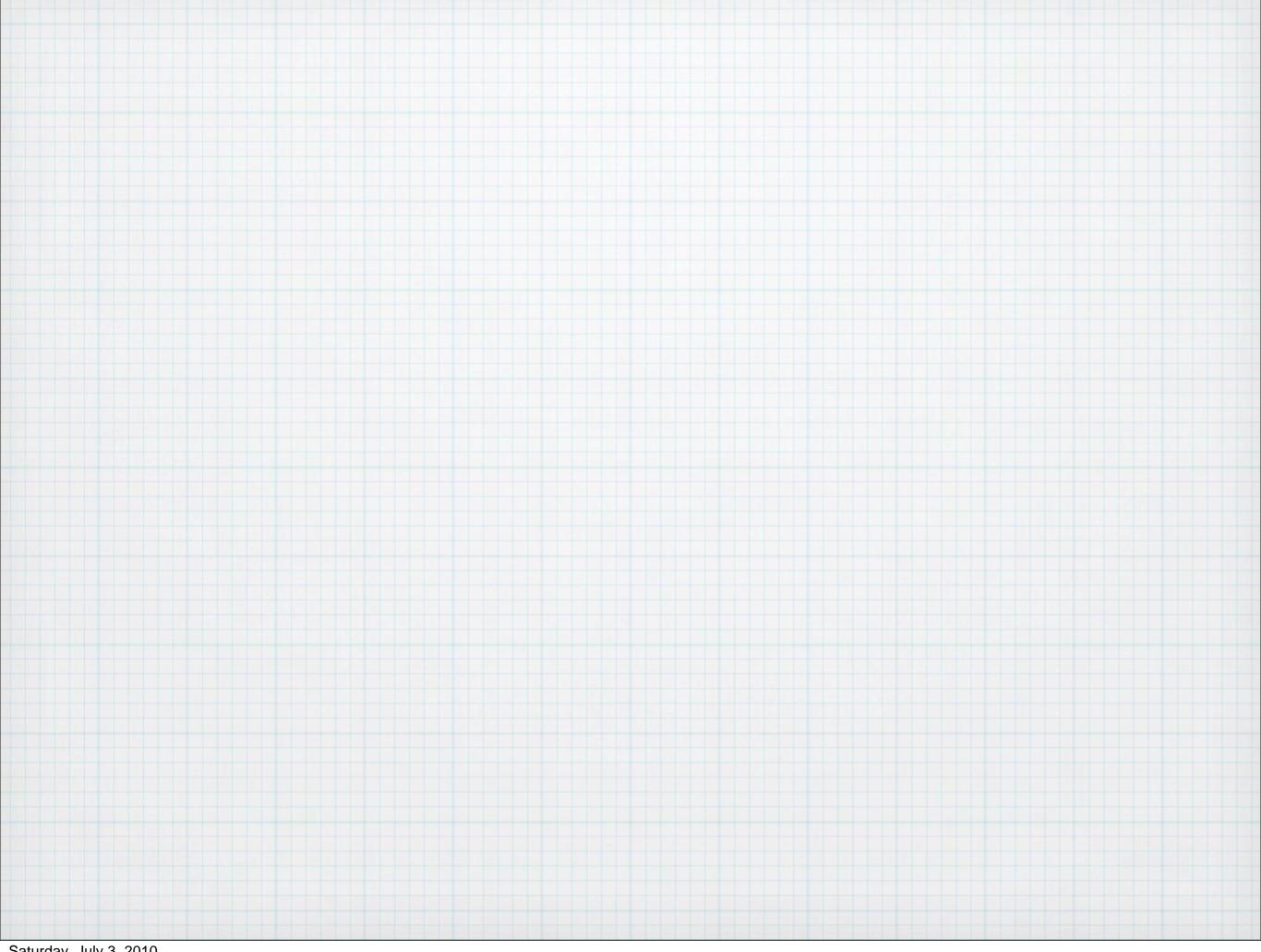
WHAT COULD POSSIBLY GO WRONG?



"NO PLAN OF
OPERATIONS EXTENDS
WITH CERTAINTY
BEYOND THE FIRST
ENCOUNTER WITH THE
ENEMY'S MAIN
STRENGTH."

COUNT HELMUTH VON MOLTKE



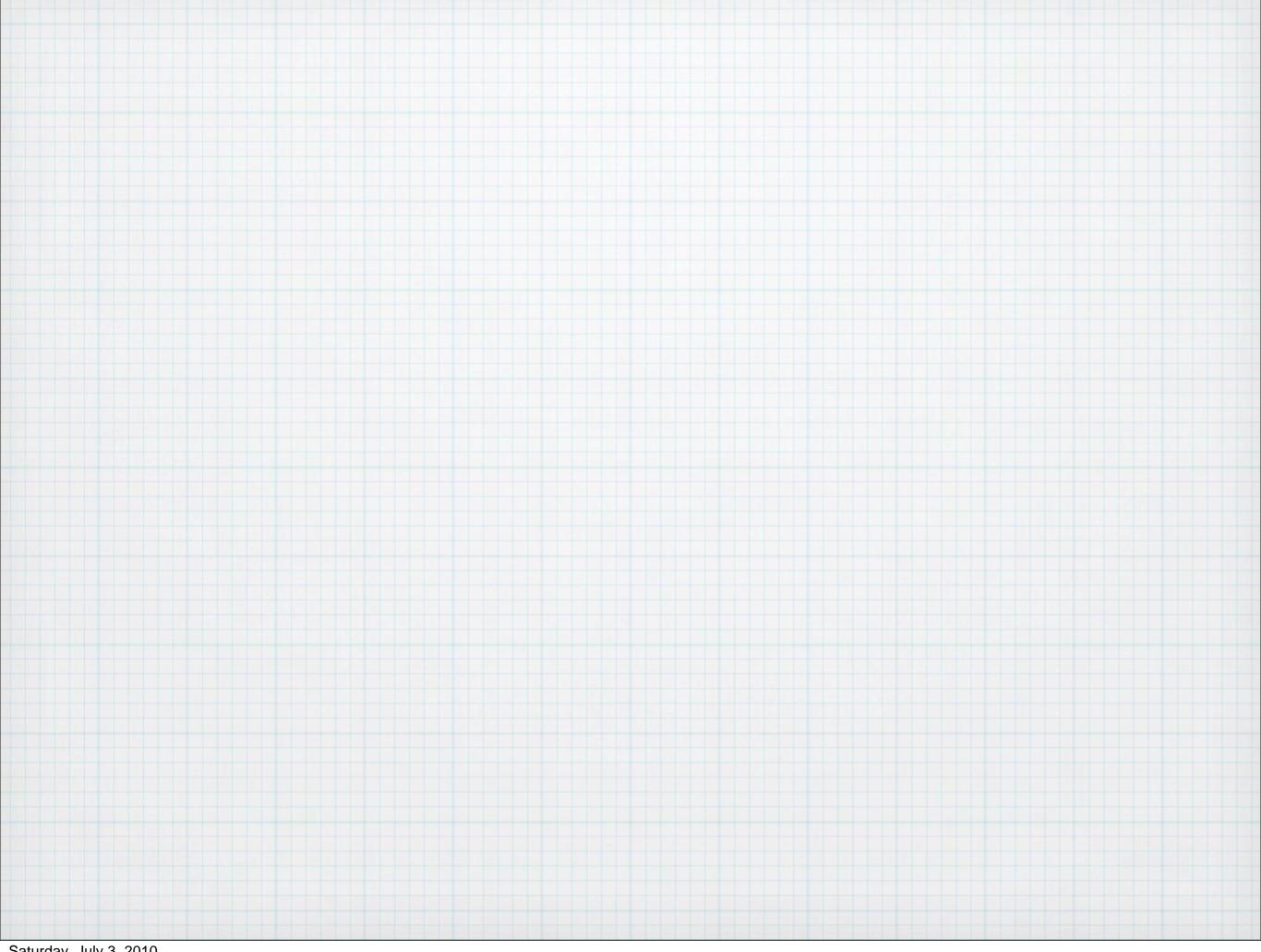


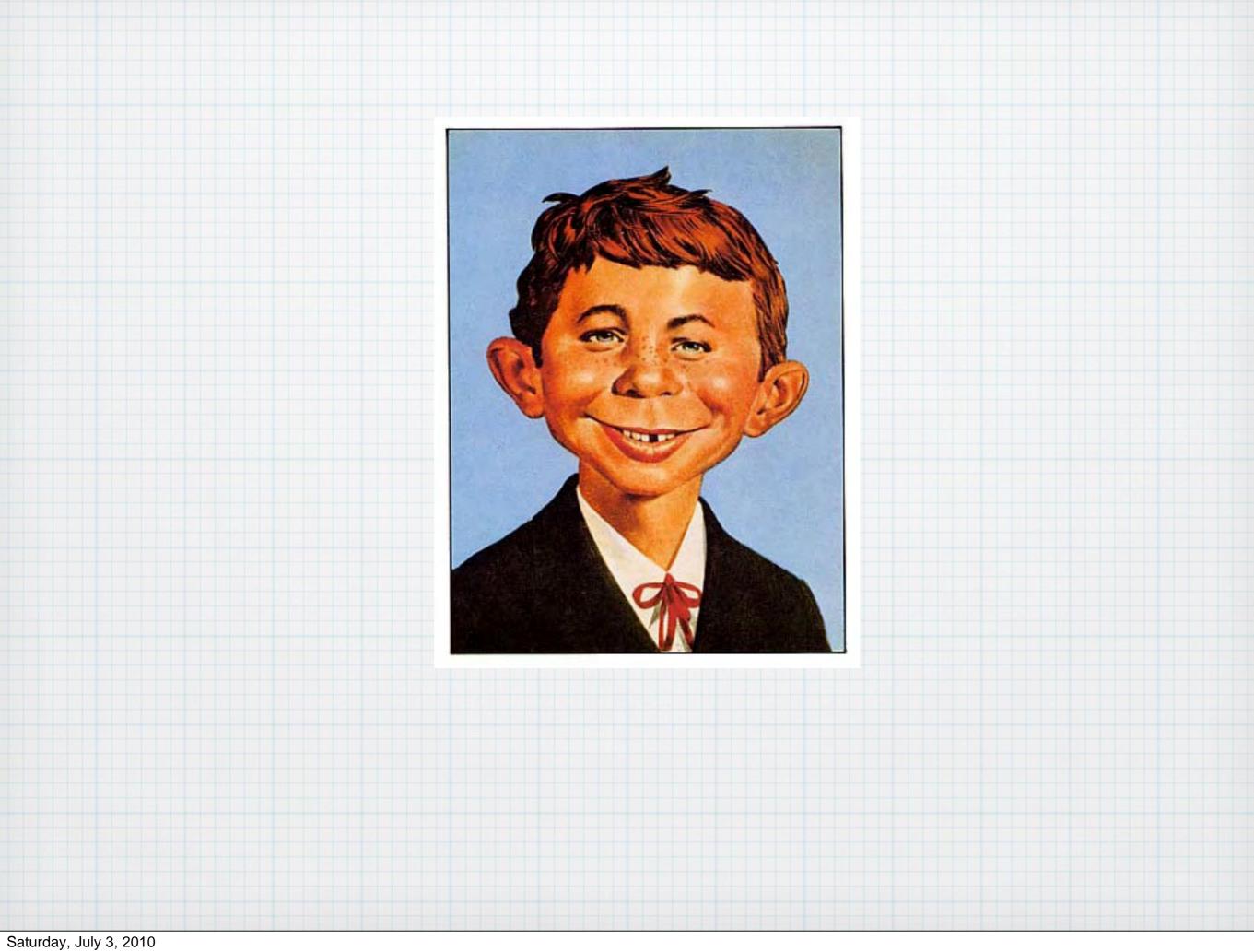


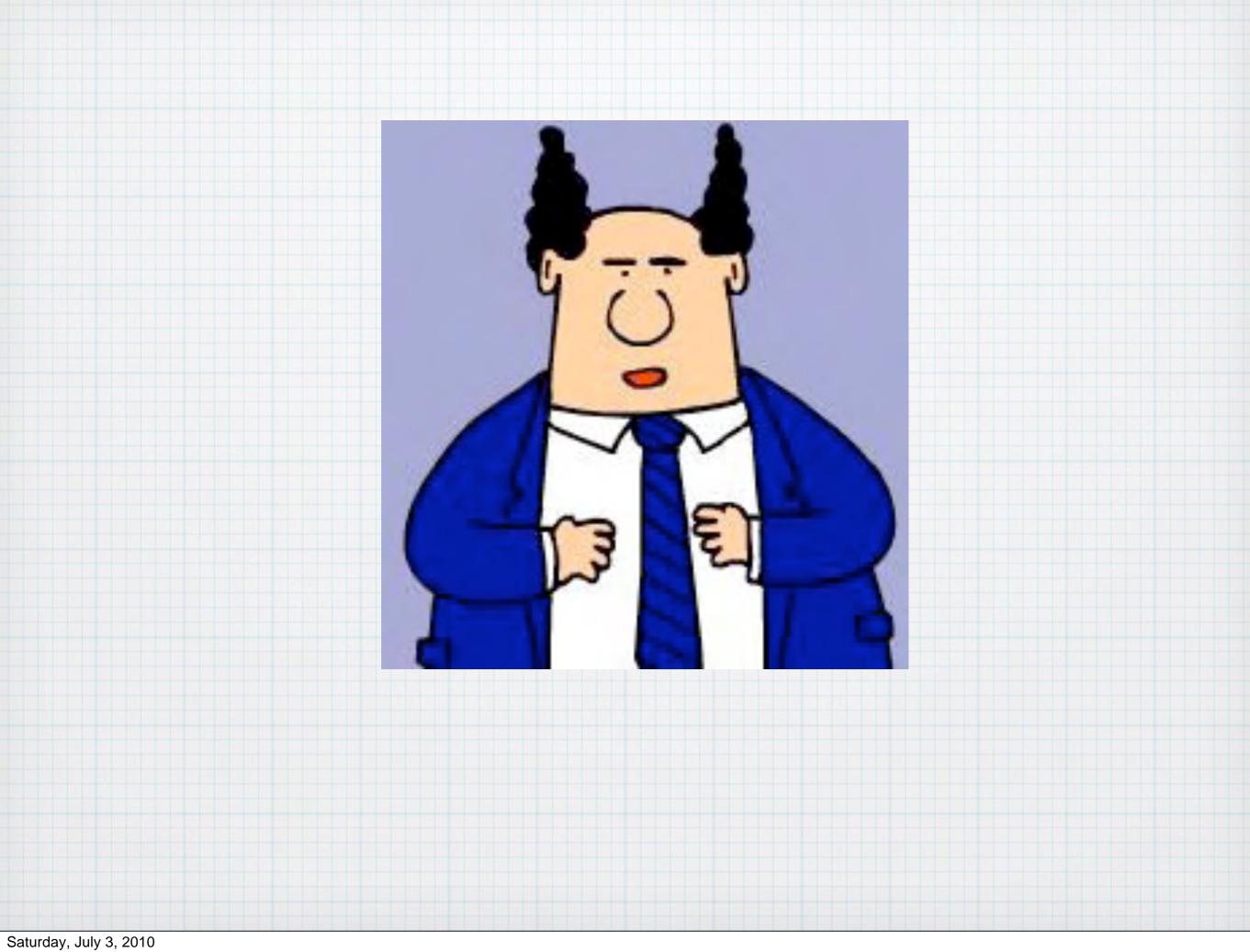
TRAINING METHODOLOGY

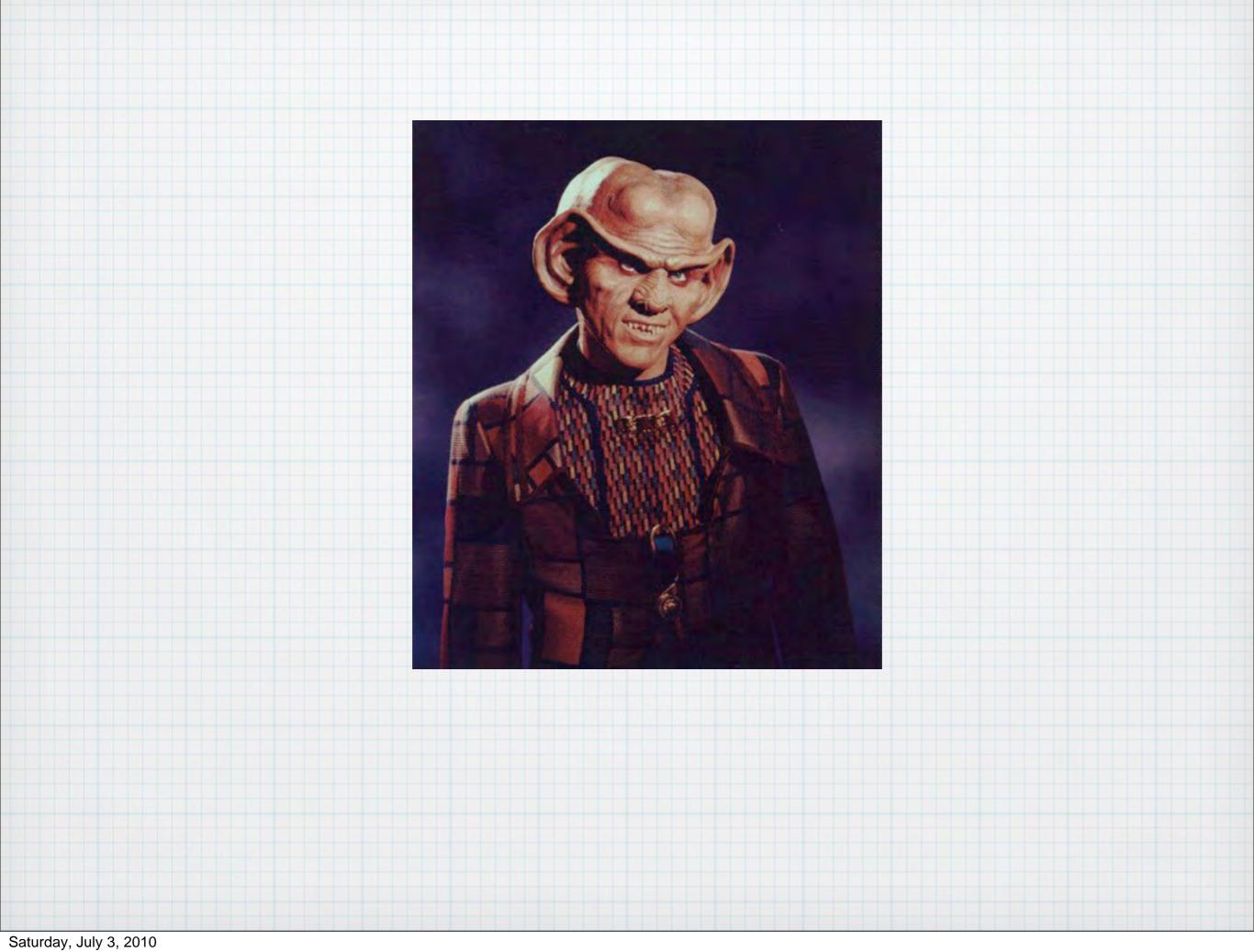
EXPERIENCE TRAINING METHODOLOGY

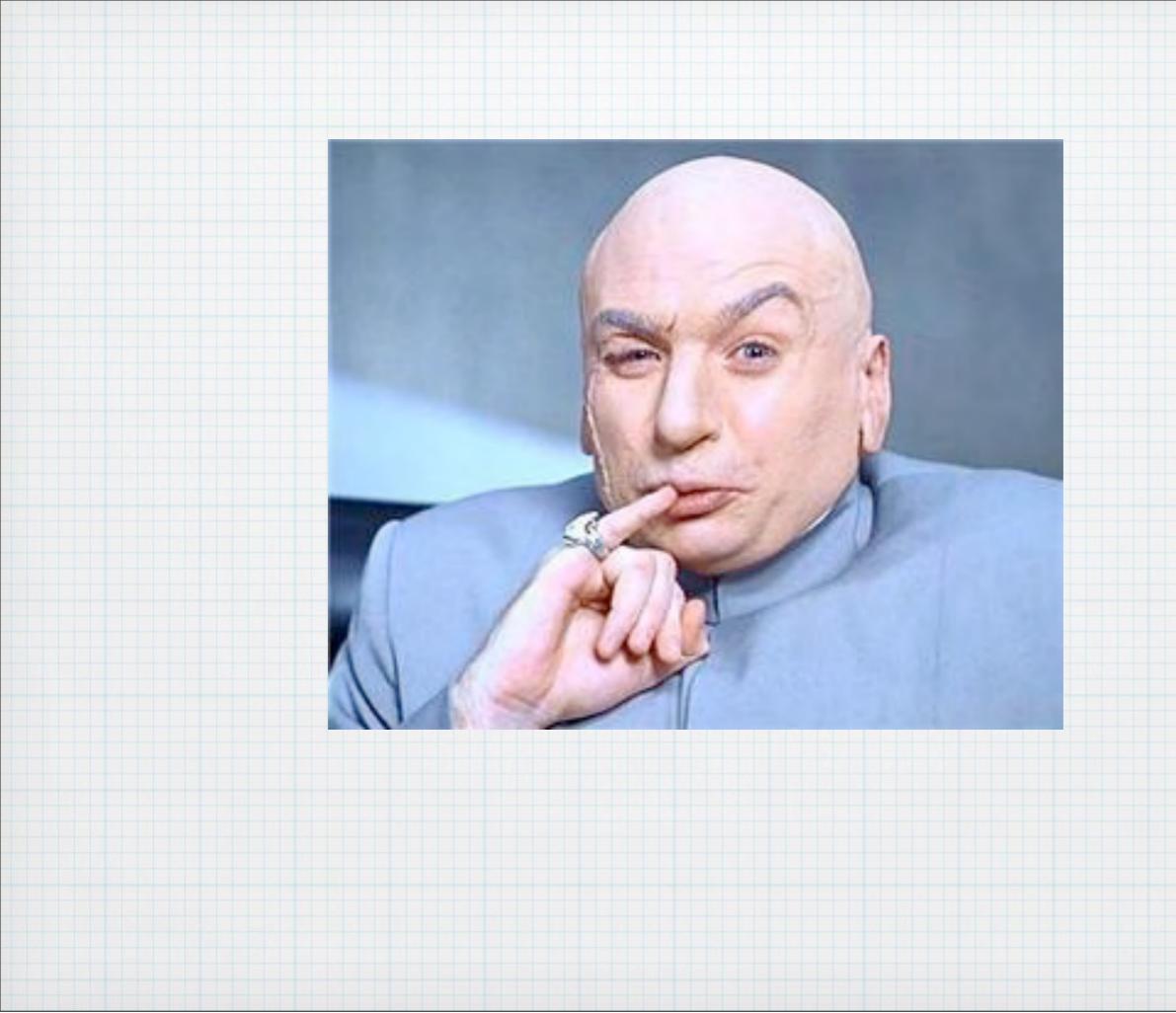
PLANNING EXPERIENCE TRAINING METHODOLOGY



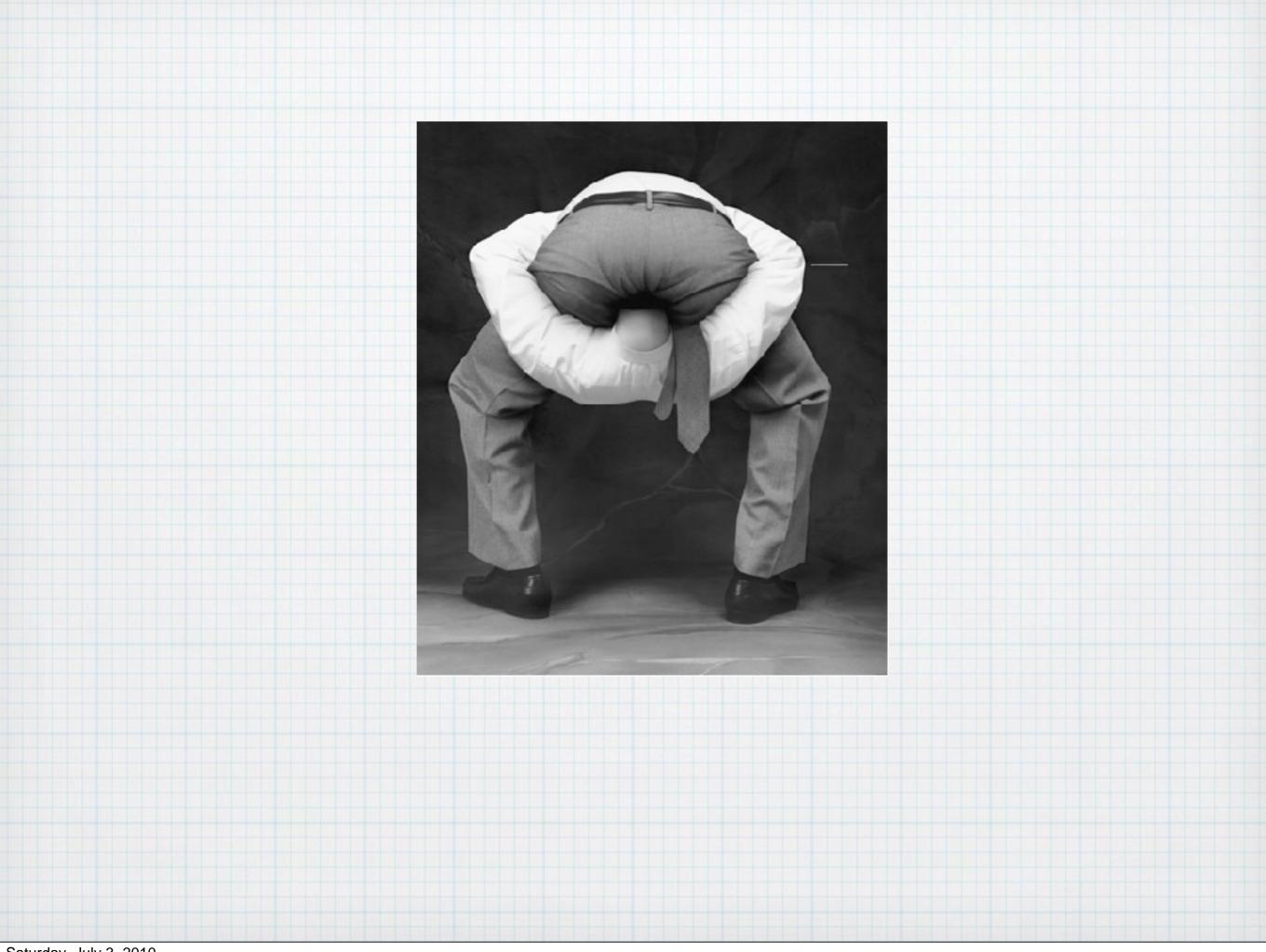


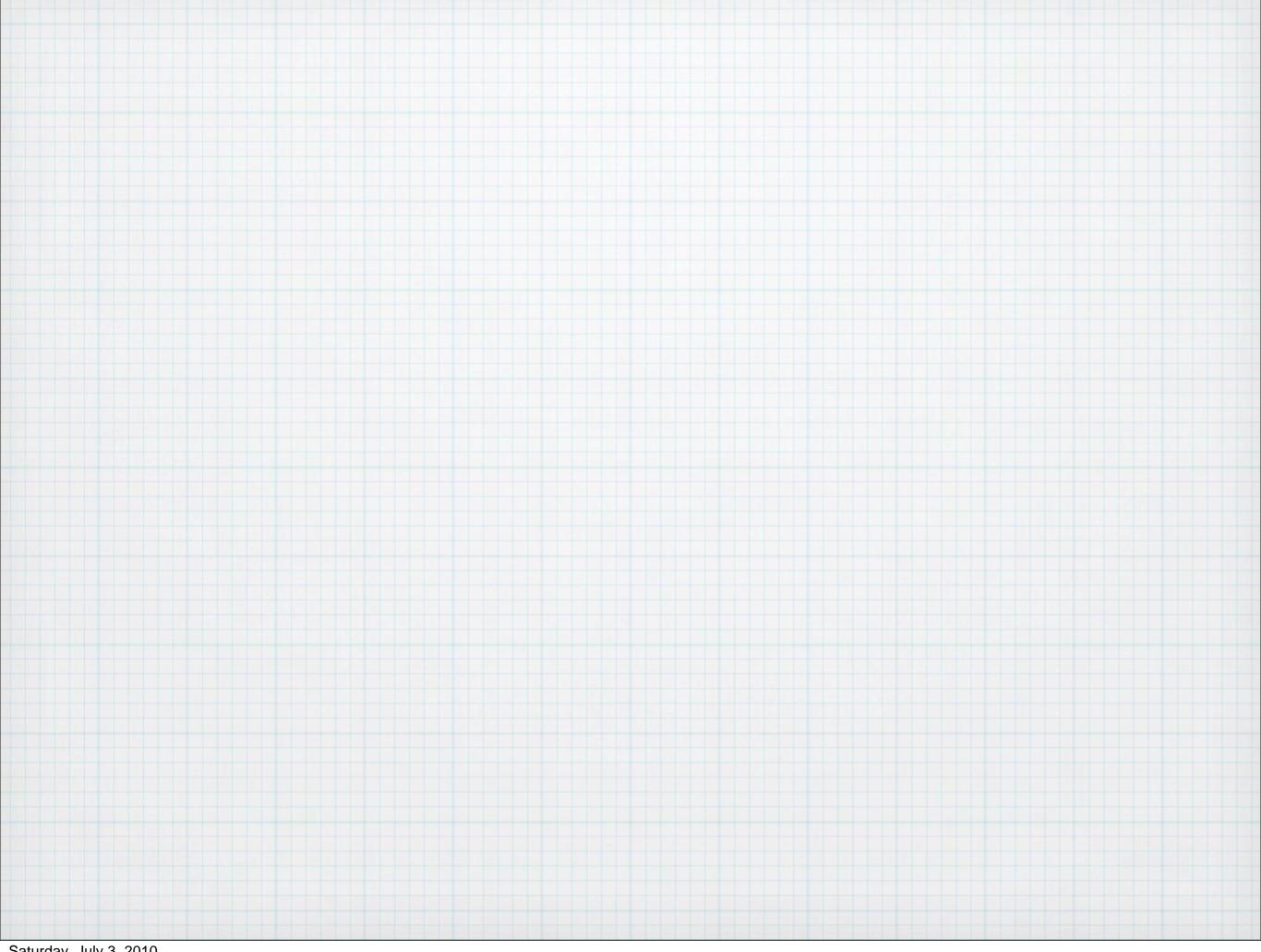












MANAGEMENT



MANAGEMENT



MANAGEMENT



PROS:

- **√ PROVIDE BUDGET**
- **√ SET REQUIREMENTS**
- **√ SIGN YOUR PAYCHECK**
- √ RUN THE SHOW

CONS:

√ THEY KNOW THIS









"I WANT A STATE OF THE ART HIGH TECH SYSTEM. FBI, CIA KIND OF SECURITY"







"I WANT A STATE OF THE ART HIGH TECH SYSTEM. FBI, CIA KIND OF SECURITY"



"I CAN DO THAT. BASED ON YOUR NEEDS, AND THE FLOOR PLAN IT WILL COST \$54,875."





"I WANT A STATE OF THE ART HIGH TECH SYSTEM. FBI, CIA KIND OF SECURITY"



"I CAN DO THAT. BASED ON YOUR NEEDS, AND THE FLOOR PLAN IT WILL COST \$54,875."



"CAN'T YOU JUST BUY SOMETHING FROM COSTCO?"



"I WANT A STATE OF THE ART HIGH TECH SYSTEM. FBI, CIA KIND OF SECURITY"

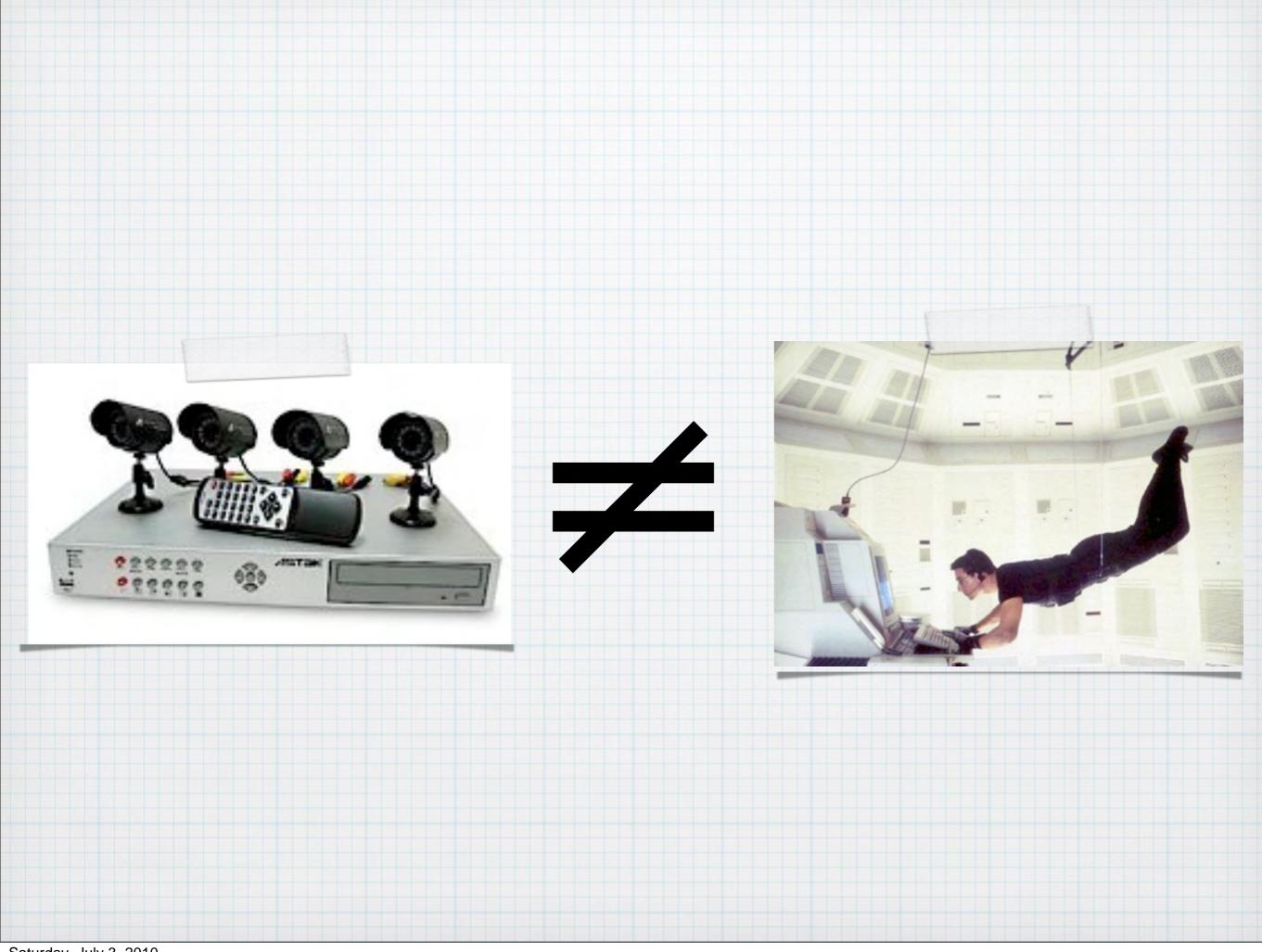


"I CAN DO THAT. BASED ON YOUR NEEDS, AND THE FLOOR PLAN IT WILL COST \$54,875."



"CAN'T YOU JUST BUY SOMETHING FROM COSTCO?"

<REDACTED>
CEO of Information Security Firm









"I WENT TO BEST BUY AND SAW A HDMI CABLE FOR \$50. I WENT HOME AND SURFED THE INTERNET FOR A WHILE AND FOUND THE SAME CABLE FOR \$2 FROM A WEB SITE IN CHINA. IF I CAN DO THAT FOR A CABLE I EXPECT YOU TO DO THE SAME THING FOR MY SECURITY SYSTEM."



"I WENT TO BEST BUY AND SAW A HDMI CABLE FOR \$50. I WENT HOME AND SURFED THE INTERNET FOR A WHILE AND FOUND THE SAME CABLE FOR \$2 FROM A WEB SITE IN CHINA. IF I CAN DO THAT FOR A CABLE I EXPECT YOU TO DO THE SAME THING FOR MY SECURITY SYSTEM."

<REDACTED>
CEO of FORTUNE 500 SECURITY FIRM

BE KNOWLEDGEABLE ON THE EQUIPMENT,
METHODOLOGY AND BEST PRACTICES FOR
YOUR INDUSTRY.

UNDERSTAND THE IMPACT THAT YOUR PROJECT WILL HAVE ON BUSINESS & USER ACTIVITY

RELY ON FACTS, NOT SPECULATION, THEORY, RUMORS, OR MAYBES.

PRESENT FACTS, SUPPORT WITH DOCUMENTATION, EXPLAIN RISK AND IMPACT, PROVE MITIGATION

PRESENT IN A FACTUAL & RESPECTFUL MANNER, SHOWING YOUR WORK AND EXPLAINING YOUR REASONING BEHIND THE DESIGN

IF YOU DON'T KNOW, YOU DON'T KNOW.
STATE THAT YOU WILL RESEARCH AND
RETURN WITH THE ANSWERS

BE PREPARED TO LOOSE GRACEFULLY





SUCCESS



"THIS IS ONE HELL OF A SECURITY SYSTEM. WHOEVER DID THIS KNEW WHAT THE HELL THEY WERE DOING."

SUCCESS



"THIS IS ONE HELL OF A SECURITY SYSTEM. WHOEVER DID THIS KNEW WHAT THE HELL THEY WERE DOING."

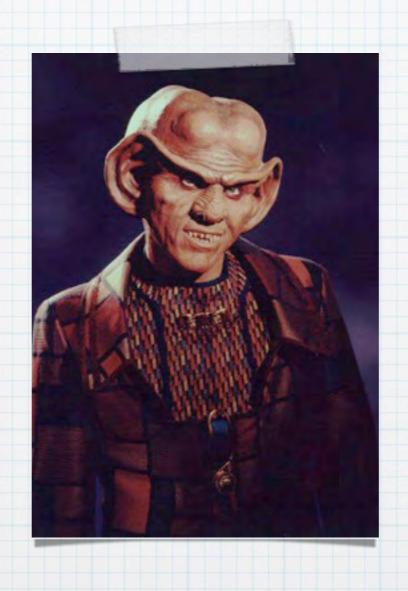
<REDACTED>
VISITOR,
FRIEND OF CEO OF INFORMATION SECURITY FIRM

"SHUT UP, GET IT DONE, FAILURE IS NOT AN OPTION."

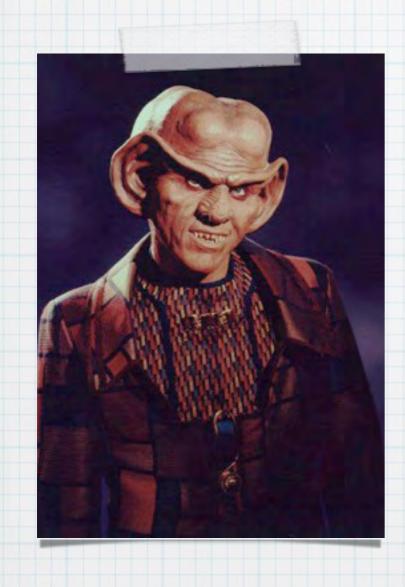
CHARLES RAWLS
VP OF ASS KICKING
DORSAI EMBASSY, EARTH



VENDORS

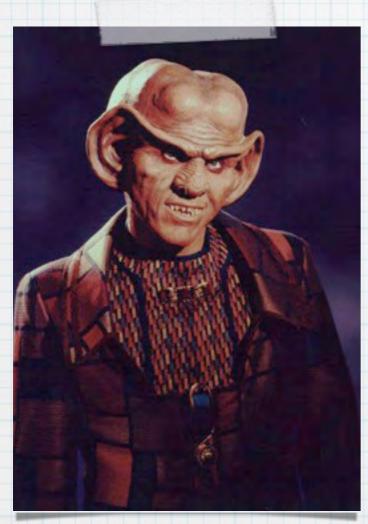


VENDORS



VENDORS

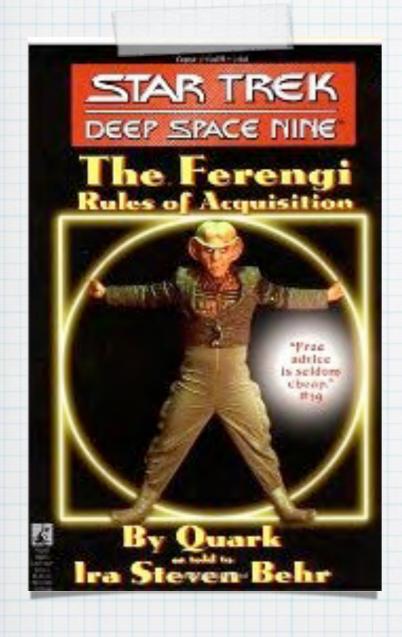




✓ PROVIDE COOL TOYS
✓ WILL LET YOU PLAY WITH
THE COOL TOYS
✓ HAVE HISTORICAL INFO ON
PRODUCT QUALITY

CONS:

✓ WILL EXPECT YOU TO BUY FROM THEM



"THE FERENGI RULES OF ACQUISITION"

\$6.99

ISBN: 0671529366

RULE#1

THERE ARE MANY, MANY, MANY VENDORS
OUT THERE



RULE # 2

YOU DO NOT ALWAYS NEED THE LATEST, GREATEST STATE OF THE ART ITEM



RULE#3

ALWAYS DEAL WITH VENDORS BETWEEN
11 AM & 2 PM



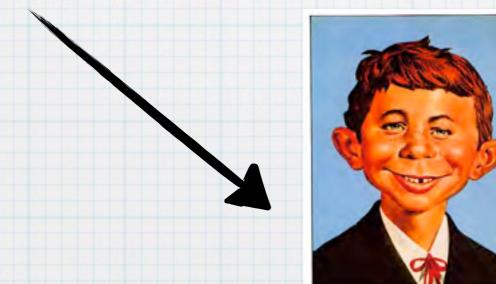




REQUIREMENTS



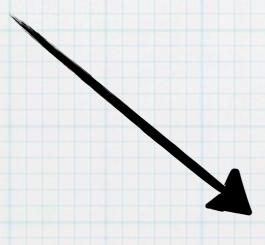
REQUIREMENTS



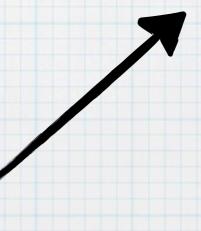


REQUIREMENTS

RFQ





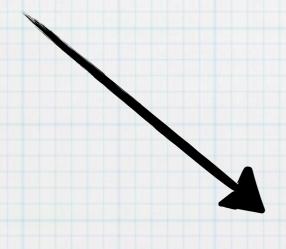




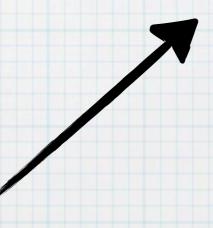
REQUIREMENTS



RFQ









QUOTE

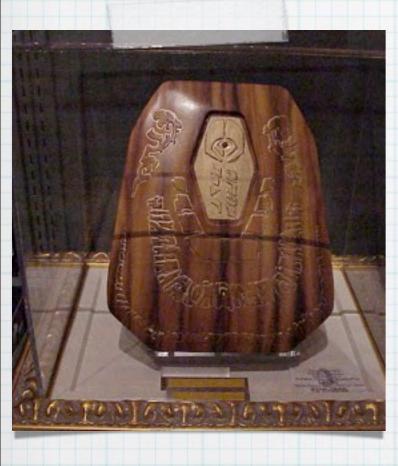


REQUIREMENTS









NEVER RELY ON A SINGLE VENDOR

DO NOT GET CAUGHT UP IN VENDOR WARS

ENSURE THAT THE VENDOR IS KNOWLEDGEABLE ON THE PRODUCTS THEY ARE SELLING

DO YOUR OWN PRODUCT RESEARCH

BEWARE OF UNNECESSARY UP-SELLING

GET DETAILS ON ALL ASPECTS ... WARRANTY, SERVICE, TRAINING

DO NOT BE AFRAID TO REVISE YOUR RFQ

DO NOT BE AFRAID TO READ YOUR RFQ

KEEP ALL PAPERWORK, QUOTES, AND RFQ REVISIONS

PRIORITIZE YOUR NEEDS TO MAKE A
BALANCE BETWEEN BUDGET AND
EQUIPMENT

LOOK FOR HIDDEN COSTS, COST CREEP, FEATURE CREEP, AND AFTER CONTRACT EXPENSES

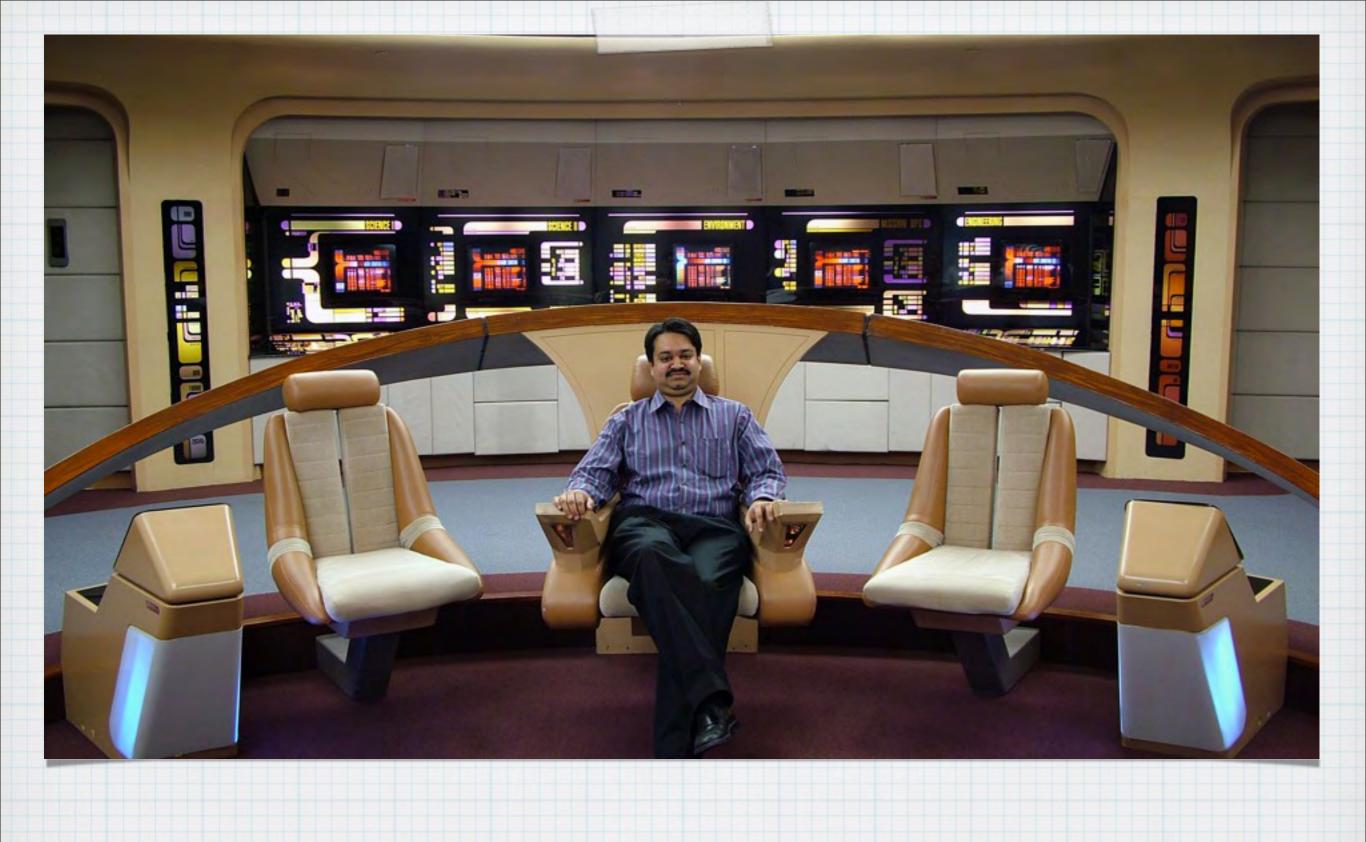
IF YOU WORK WITH MULTIPLE
VENDORS FOR COMPONENTS OF A
SYSTEM IT IS YOUR
RESPONSIBILITY TO ENSURE THAT
THE PRODUCTS WILL WORK
TOGETHER

KNOW UP FRONT IF SUB-CONTRACTING WILL HAPPEN, AND IF SO DO DUE DILIGENCE ON THE SUB CONTRACTORS

A HIGH PRICE SUPPORT CONTRACT DOES NOT ALWAYS MEAN HIGH QUALITY SUPPORT



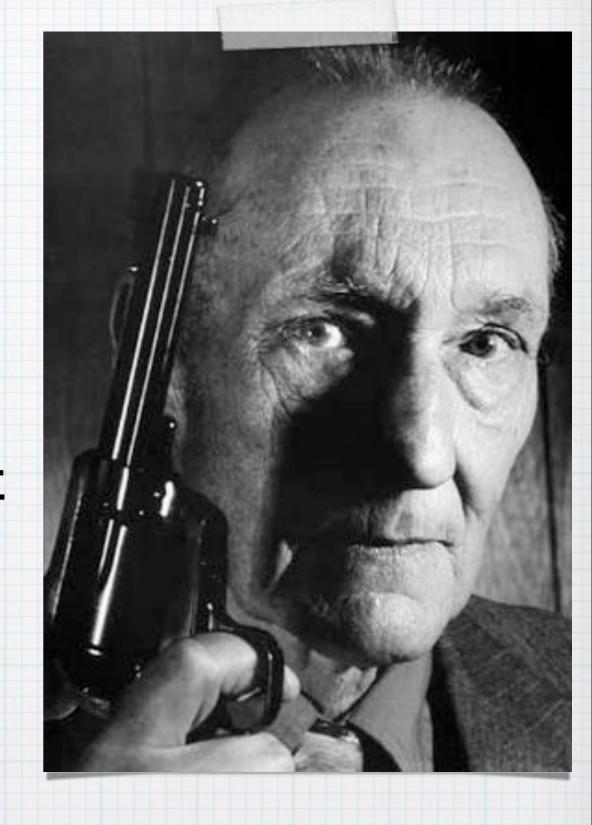




"THERE ARE NO
HONORABLE BARGAINS
INVOLVING EXCHANGE
OF QUALITATIVE
MERCHANDISE LIKE
SOULS. JUST
QUANTITATIVE
MERCHANDISE LIKE TIME
AND MONEY."

WILLIAM S. BURROUGHS

"WORDS OF ADVICE FOR YOUNG PEOPLE"



PEOPLE WHO THINK THEY KNOW MORE THAN YOU



PEOPLE WHO THINK THEY KNOW MORE THAN YOU



PEOPLE WHO THINK THEY KNOW MORE THAN YOU



PROS:

√ THEY USUALLY DON'T

✓ MAKE YOU LOOK GOOD

✓ ANNOY MANAGEMENT

CONS:

√ RARELY SHUT UP

"OF COURSE THE ALARM SAYS IT'S 105
DEGREES. THE SENSOR
IS ON THE CEILING, AND
HEAT RISES. IT'S 105 UP
THERE, BUT DOWN
HERE WHERE THE
SERVERS ARE IT'S
NOWHERE NEAR 105."

<REDACTED>
CEO, MIT MBA,

SAID 20 MINUTES BEFORE SERVERS AUTOMATICALLY SHUT DOWN DUE TO THERMAL ALARMS



"OF COURSE THE ALARM SAYS IT'S 105
DEGREES. THE SENSOR
IS ON THE CEILING, AND
HEAT RISES. IT'S 105 UP
THERE, BUT DOWN
HERE WHERE THE
SERVERS ARE IT'S
NOWHERE NEAR 105."

<REDACTED>
CEO, MIT MBA,

SAID 20 MINUTES BEFORE SERVERS AUTOMATICALLY SHUT DOWN DUE TO THERMAL ALARMS





KNOW THE DIFFERENCE BETWEEN WATER COOLER TALK AND FACTUAL DISCOURSE.

REFUTE WITH FACTS, EXPERIENCE, AND A EVEN TONE

DO NOT USE PERSONAL ATTACKS, VULGAR INSULTS, OR QUESTIONABLE PHRASES OR TERMS

IF THEY START PLAYING THE BROWNIE POINTS GAME, STOP.

IF THEY START PLAYING POLITICS, STOP.

IF THEY CITE SOMETHING THEY HEARD ON AM TALK RADIO, RUN!

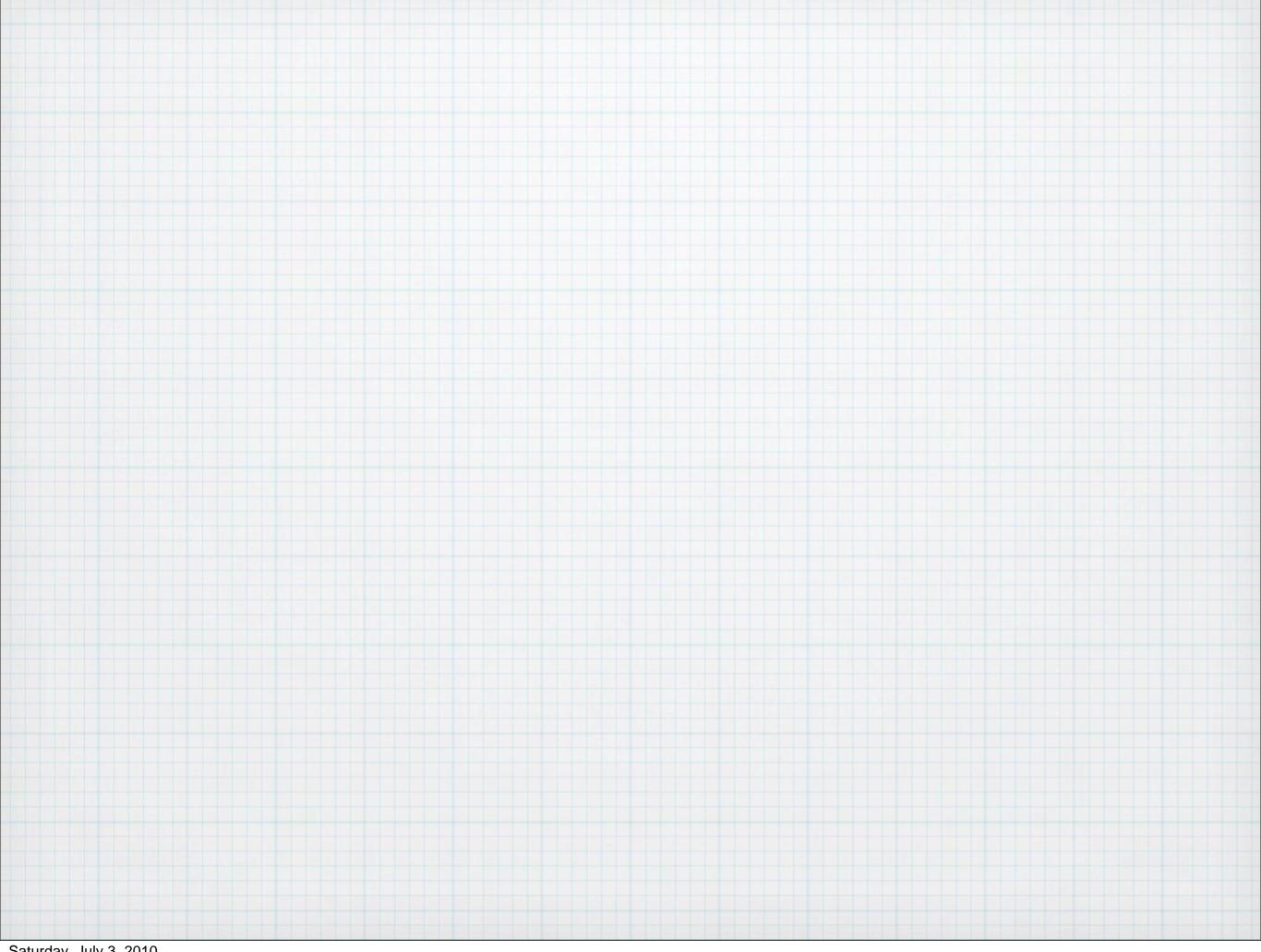
CUT SHEETS FROM THE VENDOR ARE A BETTER POINT OF REFERENCE THAN SOMETHING TOLD TO A COWORKER BY THEIR BARBER WHO HEARD IT FROM HIS COUSIN WHO WORKS ON THE LOADING DOCK WHERE THE PUBLISH THAT TECHNOLOGY MAGAZINE.

DO NOT PLAY BUZZWORD BINGO

KNOW WHAT THE TERMS, ACRONYMS, AND TECHNOLOGICAL PHRASES YOU USE MEAN.

LET THEM KISS ASS, WHILE YOU KICK ASS.









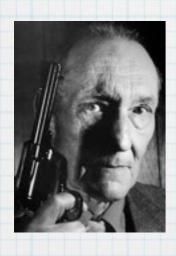


"BIOMETRIC THREE PHASE MULTI-HOMED ACTIVE AUTHENTICATION IS THE BEST!"





"BIOMETRIC THREE PHASE MULTI-HOMED ACTIVE AUTHENTICATION IS THE BEST!"

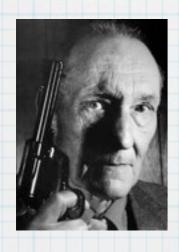


"I AM NOT PAID TO LISTEN TO THIS DRIVEL. YOU ARE A TERMINAL FOOL."





"BIOMETRIC THREE PHASE MULTI-HOMED ACTIVE AUTHENTICATION IS THE BEST!"



"I AM NOT PAID TO LISTEN TO THIS DRIVEL. YOU ARE A TERMINAL FOOL."



"*AHEM*"

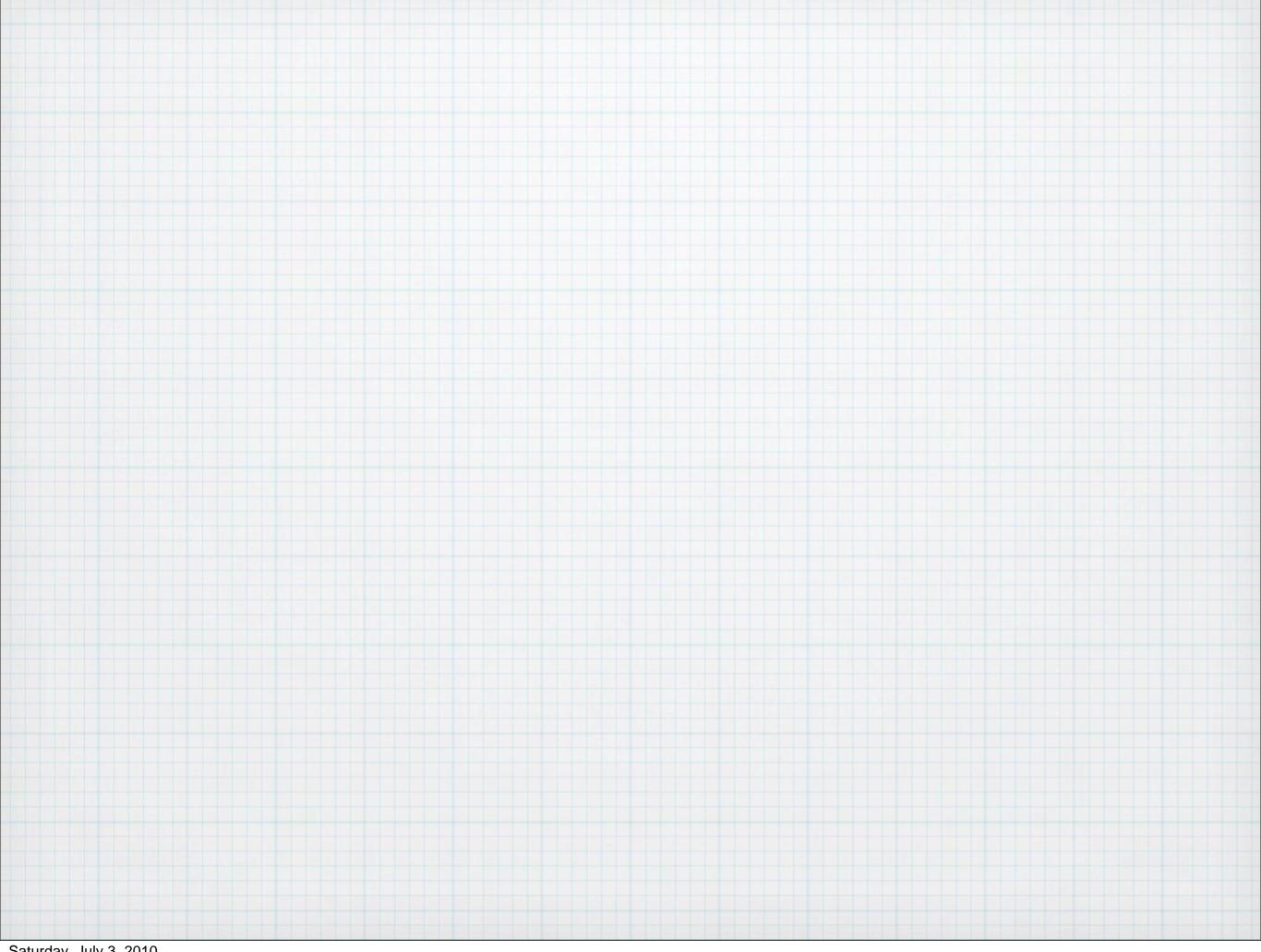




"BIOMETRIC THREE PHASE MULTI-HOMED ACTIVE AUTHENTICATION IS THE BEST!"



"*AHEM*"









"BIOMETRIC THREE PHASE MULTI-HOMED ACTIVE AUTHENTICATION IS THE BEST!"





"BIOMETRIC THREE PHASE MULTI-HOMED ACTIVE AUTHENTICATION IS THE BEST!"



"AS PER YOUR REQUIREMENTS THE RFQ CONTAINS TWO FACTOR AUTHENTICATION WITH AN OPTION FOR BIOMETRICS AS A THIRD, PENDING BUDGETARY CONSTRAINTS. THE CUT SHEETS ARE IN YOUR COPY OF THE RFQ."



YES!



CONSTRUCTION WORKERS



CONSTRUCTION WORKERS



CONSTRUCTION WORKERS





- **√** RELIABLE TIMING
- **√ KNOW TRADE SECRETS**
- **√ TELL GOOD JOKES**

CONS:

✓ WILL DO EXACTLY WHAT YOU TELL THEM TO DO

KNOW THE WORK SCHEDULE FOR THE CONSTRUCTION TEAM

MEET THE FOREMAN. GET HIS CONTACT INFORMATION.

READ THE BLUEPRINTS.

READ THE BLUEPRINTS AGAIN, WITH THE FOREMAN.

SUPERVISE THE CONSTRUCTION. LOOK FOR THINGS THAT ARE NOT QUITE RIGHT.

EXPECT TO FIND SURPRISES.

EXPECT TO PAY TO FIX THEM.



CONSTRUCTION WORKERS AND THEIR FOREMAN ARE THE FIRST LINE OF DEFENSE WHEN IT COMES TO BUILDING INSPECTIONS.

THEY KNOW WHAT NEEDS TO BE DONE, AND WHY.

THEY DEAL WITH THE SAME STATE/ COUNTY/CITY BUILDING INSPECTORS ON MULTIPLE PROJECTS.

LISTEN TO THEM. DO WHAT THEY
SAY. THIS IS THEIR AREA OF
EXPERTISE, EVEN IF THE ONLY
ADJECTIVE THEY KNOW IS "FUCKING"

"THE FUCKING WIRING IS NOT HOOKED UP TO THE FUCKING SWITCH CORRECTLY, SO IT'S NOT GOING TO FUCKING WORK. IT'S FUCKED."

-NJ CONSTRUCTION WORKER



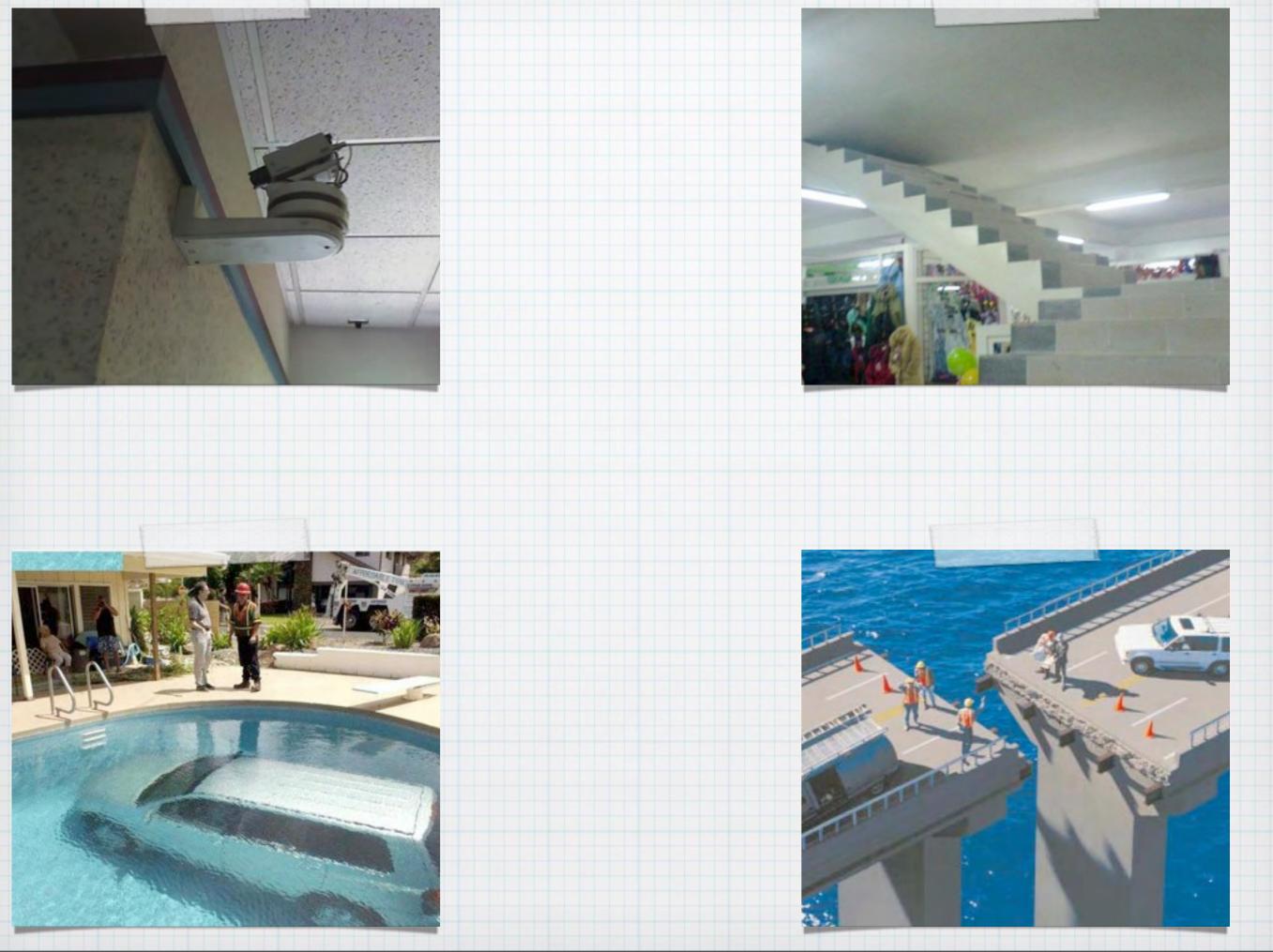
CONSTRUCTION WORKERS ON YOUR PROJECT MAY NOT SPEAK ENGLISH.

IF THIS IS A PROBLEM, DEAL WITH IT BEFORE WORK BEGINS.

CONSULT WITH HR
BEFORE BRINGING UP THE
SUBJECT.

IF YOU CAN NOT
COMMUNICATE WITH EACH
OTHER THERE IS NO WAY TO
INDICATE PROBLEMS, MAKE
CHANGES, OR SHARE DIRTY
JOKES





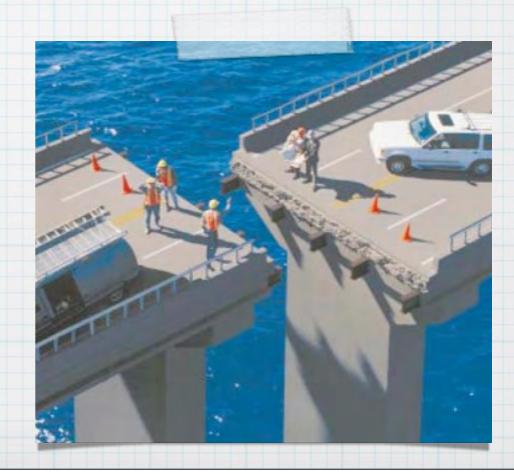
Saturday, July 3, 2010





THINGS WILL GO WRONG





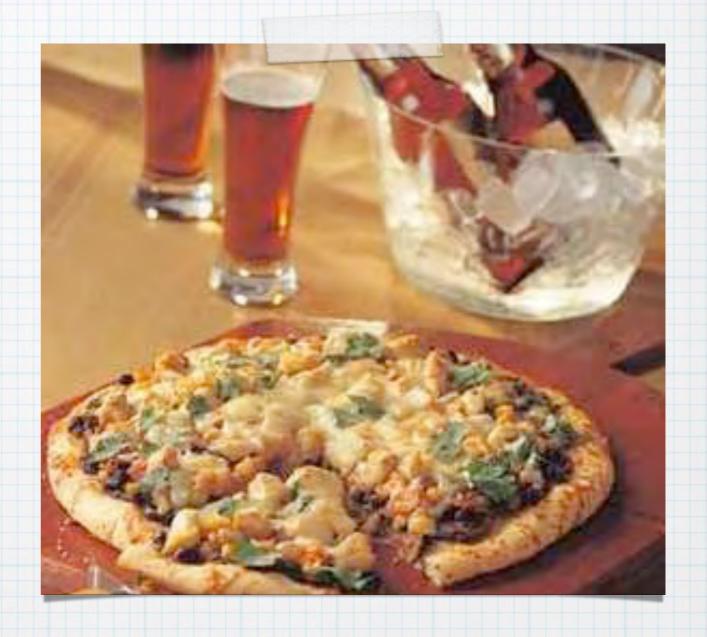
Saturday, July 3, 2010

NOT ALL PROBLEMS
CAN BE SOLVED
WITH A CLEVER
WORK-AROUND.

A QUICK FIX TODAY
CAN BE A PROBLEM
TOMORROW.



PIZZA AND BEER IS
CHEAPER THAN
OVERTIME.



USERS



USERS



USERS

PROS:



√ THE REASON YOU ARE HERE
√ LOVE TO TAKE CLASSES

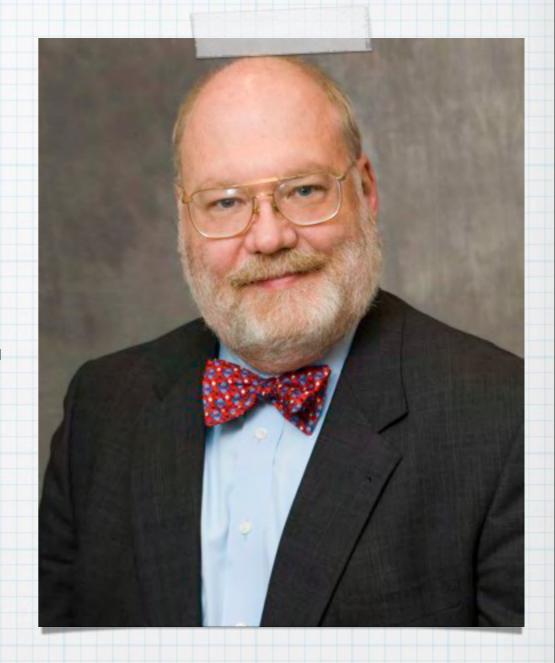
√ ATTRACTED TO NEW TECH

CONS:

✓ WILL EXPECT YOUR SYSTEM
TO ACT THE WAY THEY WANT
IT TO

"IF YOU HAVE RESPONSIBILITY FOR SECURITY BUT HAVE NO AUTHORITY TO SET RULES OR PUNISH VIOLATORS, YOUR OWN ROLE IN THE ORGANIZATION IS TO TAKE THE BLAME WHEN SOMETHING BIG GOES WRONG."

PROFESSOR GENE SPAFFORD
"PRACTICAL UNIX AND INTERNET SECURITY"



"BE COMFORTED THAT IN THE FACE OF ALL ARIDITY AND DISILLUSIONMENT, AND DESPITE THE CHANGING FORTUNES OF TIME, THERE IS ALWAYS A BIG FUTURE IN COMPUTER MAINTENANCE."

"DETERIORATA" - NATIONAL LAMPOON, 1972