MSIAC L-150
A STAIRWAY TO KNOWLEDGE

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DO YOU KNOW WHO YOU ARE?
DO YOU KNOW WHAT YOU ARE DOING?
WHO WE THOUGHT WE WERE

In performing IM tests:

+ Experienced
+ Great knowledge
+ Good expertise
+ Measurements; no problem
+ High speed video and photography; business as usual

- Small issues with parts of some tests
- Might need more equipment
- Knowledge and expertise not widely spread within the company
MSIAC L-150
WHICH IS…

• A procedure, developed by MSIAC, to audit competences and capabilities of organizations that perform IM tests
• A living document
• Four Excel questionnaires

Part A
Guidance on General Standards
- Quality Management System?
- Health & Safety System?
- Environmental Management System?
- Other relevant general standards?

Part B
Guidance on IM Testing
- Qualification?
- Training?
- Expertise?
- Experience?
- Capability?
- History?

Part C
IM Test Procedures Mandatory Requirements
- Seven spreadsheets
- One for each type of IM test
- One for response assessment instrumentation
- Test site requirements and required measurement equipment?

Part D
Guidance on Reporting Additional IM Testing Capabilities
- Seven spreadsheets
- One for each type of IM test
- One for common instrumentation
- The test organization’s capability to go beyond mandatory requirements?
AND…

Could be carried out as a self-audit or a formal audit

Should be reported in a standardized format
WE DID IT OUR WAY

The Project Team & The Project Plan

• One Project Team: Three subgroup leaders
• Three subgroups

IM technical parts
• One subgroup leader
• Two subgroup members
• Part B, C & D
• IM test reports
• Final report

Measurement related issues
• One subgroup leader
• One subgroup member
• Part B & C

Quality & environment
• One subgroup leader
• Part A & B

Totally six people involved
THE REPORTS

• One “UNCLASSIFIED”
  • Does not contain Part A-D
• One “NATO Unclassified”
  • Contain Part A-D
• Both of them contain detailed information about:
  • Test facilities
  • Instrumentation
  • Staff knowledge and expertise
  • Limitations associated with safety, environment and environmental impact
  • Environment protection plans and emergency plans
  • IM and HC test sites
  • General technical IM reports
WHO WE REALLY ARE

BOFORS TEST CENTER
CONCLUSIONS

• Work, work, work…

• Time consuming

• *Worth all efforts invested!*
A FINAL ADVICE

“If you are going to perform IM tests at a test site of which you have limited knowledge – always ask for their MSIAC L-150 Self-Audit Procedure. That would give you the first important impression of their level of seriousness and professionalism.”
QUESTIONS?
DEFEATING THE IMPOSSIBLE SINCE 1886

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