

# **ITR** Responsibilities

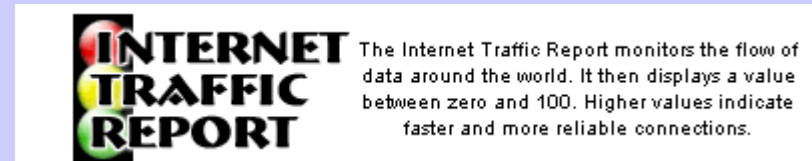
Erwin Wunderlich

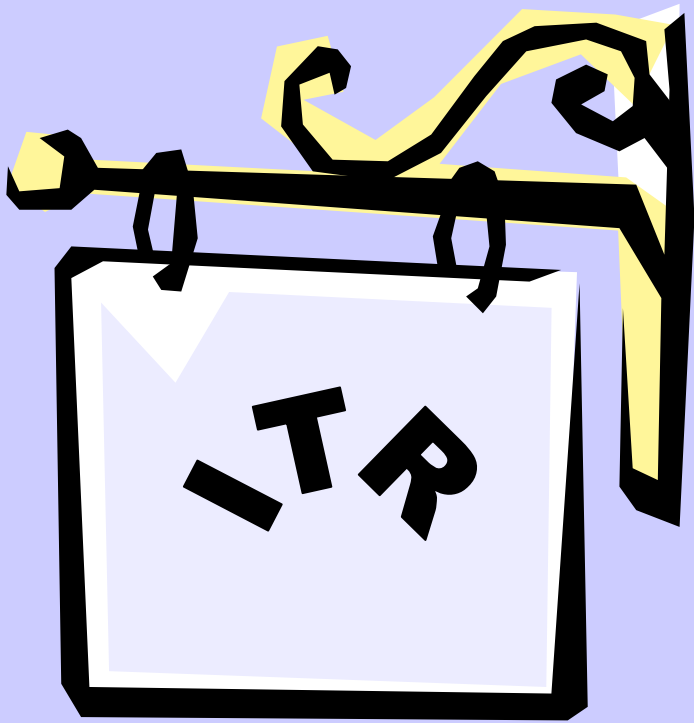
(904) 232-1631

May 28, 2003



# What ITR is not...





## **Independent Technical Review**

A review by a qualified team, not affiliated with the development of a project or product, for the purpose of confirming the proper application of clearly established criteria, regulations, laws, codes, principles, and professional procedures.

# ITR: Big Picture



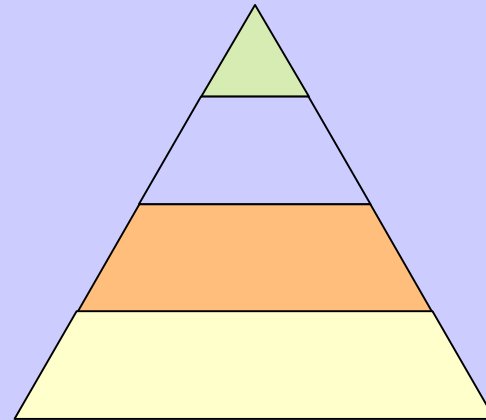
- Independent Technical Review (ITR) ensures delivery of quality products or services for the PIR/SEIS.
- QA/QC of technical products or services. For example, review current conditions/projections in documents, monitoring plan.
- ITR members are an interdisciplinary group from USACE, WMD, and possibly contractors and other state and federal agency personnel.
- Appendix Q of PMP refers to ITR.
- QCP provides direction also.

# ITR: Big Picture (cont.)

- ITR members are experienced professionals not affiliated with the development of project.
- Conformance to clearly established criteria: regulations, laws, codes, principles, professional procedures, valid scientific principles associated with modification and application of models for assessing physical/biological/ecological project benefits. Peer review of science may as an alternative be conducted. Peer review of the science would be in addition to traditional ITR processes.

# ITR is continuous throughout the study process

- Kickoff Meeting
- Prior to Feasibility Scoping Meeting
- Prior to Alternatives Formulation Briefing
- Prior to an In-Progress Review or Technical Review Conference (example: at 60% P&S)
- Culminates with statement of independent technical and legal review



# ITR Review

- For the pre-FSM milestone, the ITR team might review what the PDT has developed for:
  - Problems, Opportunities, Constraints
  - Without Project Conditions
  - Other Items

# Example ITR Comments

## Ecosystem Restoration Report (ERR)

Big Lagoon

One or More Counties, Florida

ITR Review

### ECOSYSTEM RESTORATION REPORT

1. PDE-1. Reference is made in several places in the report that "improvements to runoff quantity and quality" from nearby agricultural areas into Big Lagoon canals will be made. Please provide a concise description of the specific measures being implemented by the WMD to prevent future accumulation of muck in the subject lagoon.

Response: A number of past, present, and future county and WMD actions have significantly slowed accumulation of muck in the canals. In the 1970's, the WMD began to implement capital improvement projects in the watershed to protect the recreational waters originating from the lagoon's canals. In 1987, the Florida Legislature and Governor enacted into law the Surface Water Improvement and Management (SWIM) program to promote clean-up, restoration, and protection of Florida's water resources. The WMD, as the state agency water resource leader in this region, subsequently identified and continues to identify stormwater runoff, inadequate rules, and lack of enforcement issues in order to improve water quality and awareness in accordance with the SWIM program. Also in the future, other watershed projects will create stormwater detention and treatment for runoff before it enters the canals and lagoon. A map showing these project locations has been added to the document. Descriptive written information has also been added to the report concerning.

2. EN-C-TD-1. Ensure that quantities incorporate overdredge tolerance. For dredging very thin layers of sediment over unconsolidated material, this can be significant.

Response: Quantities were based on removal of approximately 2 feet of muck over the lagoon area.

3. EN-HW-tj-14. Page 22, Section 8, Recommendations. The estimated non-Federal cost share in this paragraph is \$3,611,800. This is inconsistent with Table 8.

Response: Corrected.

# Culmination Upon Study Completion

## Sample

### STATEMENT OF TECHNICAL AND LEGAL REVIEW COMPLETION OF INDEPENDENT TECHNICAL REVIEW

The District has completed the final Ecosystem Restoration Report for Big Lagoon, One or More Counties, Florida. Notice is hereby given that an independent technical review has been conducted. This review is appropriate to the level of risk and complexity inherent in the project document, as defined in the Quality Control Plan. During the independent technical review, compliance with established policy principles and procedures, utilizing justified and valid assumptions was verified. The results are reasonable and the product meets the customer's needs consistent with law and existing Corps policy. The following Jacksonville District team members conducted the independent technical review:

<u>John Smith</u>	_____
Planning Rep	Date
<u>Sam Myers</u>	_____
Cost Engineering Rep	Date
<u>Bob Doe</u>	_____
Socio-Economics Rep	Date
<u>Paul Jones</u>	_____
Contracts Rep	Date

<u>Sue Jones</u>	_____
Engineering Rep(s)	Date
<u>Bob Doe</u>	_____
Environmental Rep	Date
<u>Jane Smith</u>	_____
Real Estate Rep	Date
<u>Mike Corp</u>	_____
Counsel	Date

# For further information concerning ITR:



The screenshot shows a Microsoft Internet Explorer browser window. The address bar contains the URL <http://www.saj.usace.army.mil/cadd/techservhome.htm>. The browser's menu bar includes File, Edit, View, Favorites, Tools, and Help. The toolbar contains icons for Back, Forward, Stop, Home, Search, Favorites, Media, and Print. The page content features a blue banner with a castle icon and the text "Welcome to the US Army Corps of Engineers Jacksonville District". To the right of the banner, the text "Engineering Division" is displayed in blue. Below this, "Technical Services Branch" is written in a larger blue font and underlined. The background of the page is light yellow with a repeating pattern of small castle icons. A list of links is provided at the bottom of the page.

**Engineering Division**

**Technical Services Branch**

[Publications of the Headquarters, USACE](#)

[ER 1110-2-1150, Engineering and Design for Civil Works Projects](#)

[ER 1105-2-100, Planning Guidance Notebook](#)

[Jacksonville District Technical Review Standard Operating Procedures \(SOP\), Revised Nov 2001 \(Word Document\)](#)

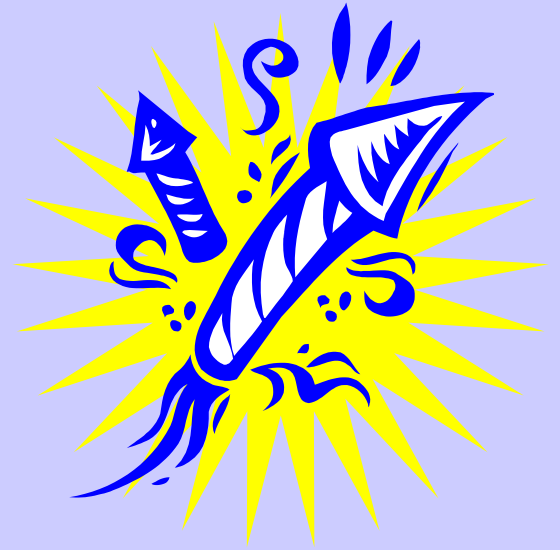
[Jacksonville District Quality Control & Technical Review Requirements for Planning, Engineering & Design for Civil Works Projects \(Reimbursable\), Draft 9 Jan 02 \(Word Document\)](#)

[Comprehensive Everglades Restoration Project \(CERP\) Independent Technical Review Procedures and Policies, 18 Jan 02 \(Word Document\)](#)

# Questions or Comments?



# Thank You!



**Happy ITRing!**

**Good luck to the PDT!**