

**Agenda
June 25, 2004**

**Construction Inspection Program Information Management System
(CIPIMS) Demonstration Project Meeting
Room O 7B4**

1. Resolution to Open Action Item: (5 minutes)

"NRC will ask OGC whether the use of a dedicated server, for the receipt of proprietary information and with read-only capability, would be in violation of the requirements for dissemination of proprietary information."

2. CIPIMS logic overview - NRC to discuss the big picture guiding the development of CIPIMS (20 minutes)

3. Discussion on Action Item: (35 minutes)

"The NRC will review the schedule, from the last meeting between the NRC and NEI on February 13, 2004, to determine if that level of detail is appropriate for future submittals of scheduling information to the NRC."

1. Numbering - examples from previous work streams

2. Logic within Primavera being used by different vendors. Overall consistency of other vendors with approach provided by Westinghouse

3. File transfers - format of files, frequency of exchange, soft-ware and hard-ware needs/wants.

4. Discussion on Action Item: (20 minutes)

" Westinghouse to obtain agreement with NEI and industry on its proposed method of dissemination of proprietary information."

Construction and fabrication schedule information

"Design Basis" information

Quality Records

5. Discussion on Action Item: (10 minutes)

"NEI is to take the lead in defining the reports referred to in ITAAC and the standards with which they must reply."

Example -What is the documentation needed for an item if it states: "Each check valve changes position as indicated in Table xyz."

6. Discussion of the Link between QA Deviation Resolutions and ITAAC (10 minutes)

(E.g. If a deviation is repaired, there is no impact to an ITAAC. If a deviation is accepted as-is, a discussion exists [in the Corrective Action Program] as to why impact is acceptable. We need to identify "where" these accepted deviation reports reside, so that the NRC can have access to them as appropriate.)

7. Discussion of Phase 1 Report Content / Schedule (20 minutes)

Consensus groundrules and guidelines
Lessons learned
Implementation Recommendations

8. Discussion of How We Proceed in Phase 2 (20 minutes)

Information transmittal protocol
General Information Technology discussion
Demonstration examples
Replacement closure head
Target schedule

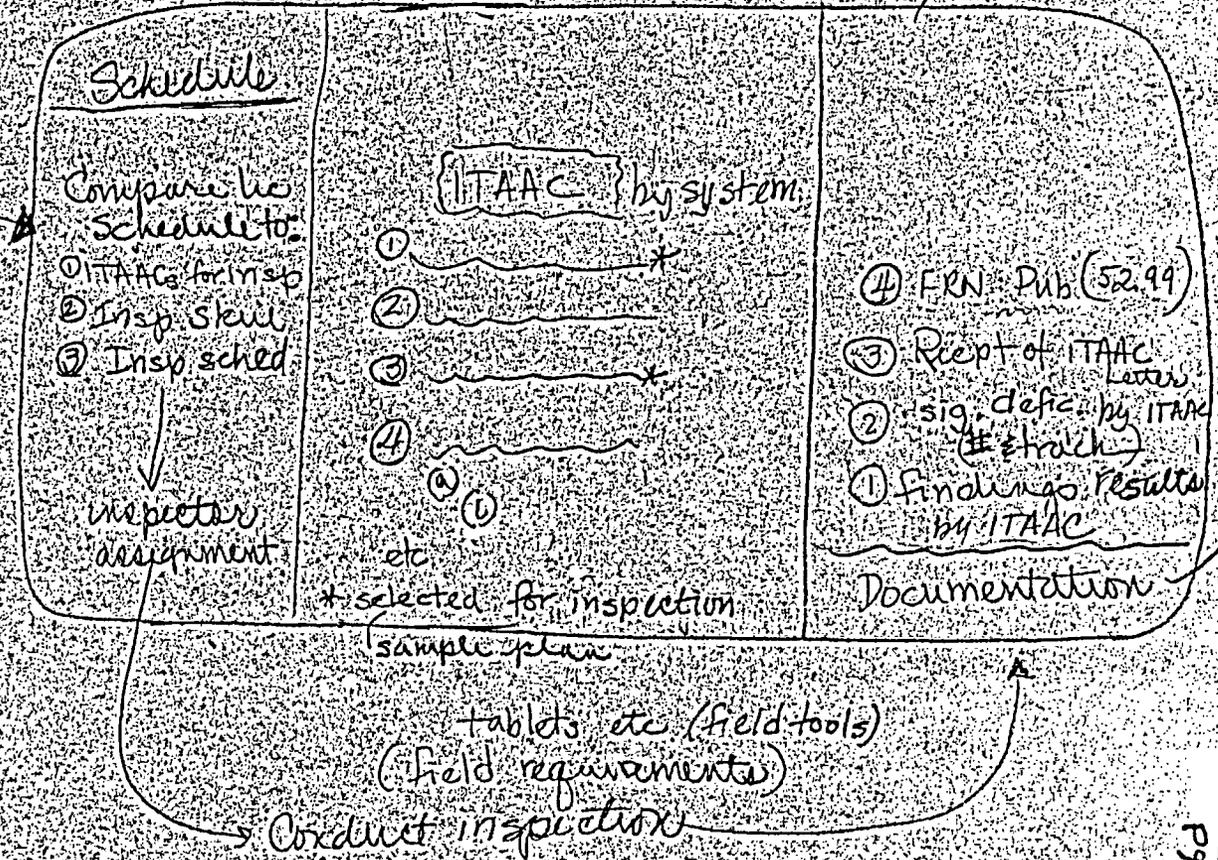
9. Discussion of Final 4 Workstreams (30 minutes)

Provide a brief description of the last four workstreams, their associated construction activities and the unique ITAAC implementation and verification challenges they represent.

Ofaint
Routine transfer
of schedule from
licensee to
linked to ITAAC

Goal
Recommendation
to RA that all
ITAAC have been
met - 10CFR 52.103(g)
END

Level of detail
Frequency
etc
TBD by
current
project w/NEI
Level of detail
who, where, when
what
FULL TIME
WORK WEEK



Sketch #1

Charging info separate

sample plan
tablets etc (field tools)
(field requirements)
Conduct inspection

What have we inspected?
Did we do enough inspection?
Are we prepared to make the 103(g) recommendation?

Attachment 2
NRC Handout No. 2
Pg 1 of 3

3/14/04
mty
MAD/BJ

ITAAC Documentation

Attachment 2

NRC Handout No. 2 (cont.)
pg 2 of 3

3/4/04
Mashley

Sketch #2

ITAAC	IR #	Significant Def	ITAAC letter from Lic	FRN
① ASME WELD	A	#1 open #2 open	ML# date	ML# FR#
	B	NONE		
② ASME WELD	C		✓	✓

ITAAC TABLE

Key ITAAC #
①
②

RPS Module

Inspection Reports

Key IR #	
A	specified
B	specified
C	specified

(Similar for Ops Programs)

fast safe links

M. Ashley
4/22/04

Close out individual ITAAC

Sketch #3

Attachment 2

NRC Handout No. 2 (Cont.)

Page 3 of 3

Receive ITAAC completion notice from lic on ITAAC #1.0

- Did we do all inspections we planned?
- Are there any open items or "red flags" against ITAAC #1.0?

CIPIMS Report

{ insp. history for #1.0
show open & closed
if red flag - where from.

Yes

No

Stop!

- inform lic. record ML#
- ID specific open items
- Determine NRC followups

Assign package for review

CIPIMS reports:

- record reviewer
- record due date
- subset: ITAAC - show status
- past review date

Package complete and accurate

Yes

NO!
send back to lic.
Record ML#
ID spec. problem

- letter to lic record ML#
- publish in FR record ML & FR#

Close ITAAC #1.0

Report -

Red Flag would be an open item on one item that could call into question a whole group - These connections would be established at the start of project

AP1000 EXAMPLE

2.3.2.11ai	11.a) The motor-operated and check valves identified in Table 2.3.2-1 perform an active safety-related function to change position as indicated in the table.	i) Tests or type tests of motor-operated valves will be performed that demonstrate the capability of the valve to operate under its design conditions.	i) A test report exists and concludes that each motor-operated valve changes position as indicated in Table 2.3.2-1 under design conditions.
2.3.2.11aii		ii) Inspection will be performed for the existence of a report verifying that the as-installed motor-operated valves are bounded by the tested conditions.	ii) A report exists and concludes that the as-installed motor-operated valves are bounded by the tests or type tests.
2.3.2.11aiii		iii) Tests of the as-installed motor-operated valves will be performed under pre-operational flow, differential pressure, and temperature conditions.	iii) Each motor-operated valve changes position as indicated in Table 2.3.2-1 under pre-operational test conditions.
2.3.2.11aiv		iv) Exercise testing of the check valves with active safety functions identified in Table 2.3.2-1 will be performed under pre-operational test pressure, temperature and fluid flow conditions.	iv) Each check valve changes position as indicated in Table 2.3.2-1.

(Pg 1 of 2)

NRC Handout No. 3

Attachment 2

ABWR EXAMPLE

2.1.1d.7	the RPV internals withstand the effects of FIV	A vibration type test will be conducted on the prototype RPV internals of the ABWR	A vibration type test report exists and concludes that the prototype RPV internals have no damage or loose parts as a result of the vibration type test.
		A flow test and post-test inspection will be conducted on the as-built RPV internals	The as-built RPV internals have no damage or loose parts.

Using the Westinghouse FTP site for exchange of data to support the CIPIMS/ITAAC Verification Demonstration project

Background:

A Westinghouse FTP (file transfer protocol) server is available for hosting the exchange of data between NEI and the NRC. This data may be in any of several formats, and may be a mixture of proprietary and non-proprietary information.

Approach:

Both NEI and NRC will request user IDs as needed. It is expected that each organization will only need 2 or 3 IDs at this point. These are to be the actual persons responsible for the exchange of the information at each site.

Westinghouse security will set up these IDs in the following manner:

- NEI IDs to have read/write permissions in one general area, and read permissions in the each of the NRC's write area.
- NRC IDs to have read permissions in the general area, and read/write permissions in their own area.

See Figure 1 on page 2 for graphical representation.

All files containing proprietary, business sensitive, or other information as outlined in AP1000 Program Operating Procedures, ADM-1.3, are to follow the security steps specified in that procedure. Anyone found to not be following this procedure will have their FTP IDs revoked.

When placing a file on the FTP site for dissemination, it is highly recommended that an email to those parties who will need to retrieve the information. This email should also state the day that the file will be removed from the FTP site. The email should state the location and name(s) of the file(s) being made available.

The FTP site is meant to aid the exchange of data during the project, not to act as an archival tool. Files will not be left on the site after the end of the project. Westinghouse will provide the NRC with licensed copies of a WS-FTP Pro, a utility to ease the data exchange.

It is the NRC's responsibility to ensure that they have appropriate telecommunications capabilities to reach the Westinghouse ftp site. Westinghouse personnel or their contractors will assist in troubleshooting connectivity problems.

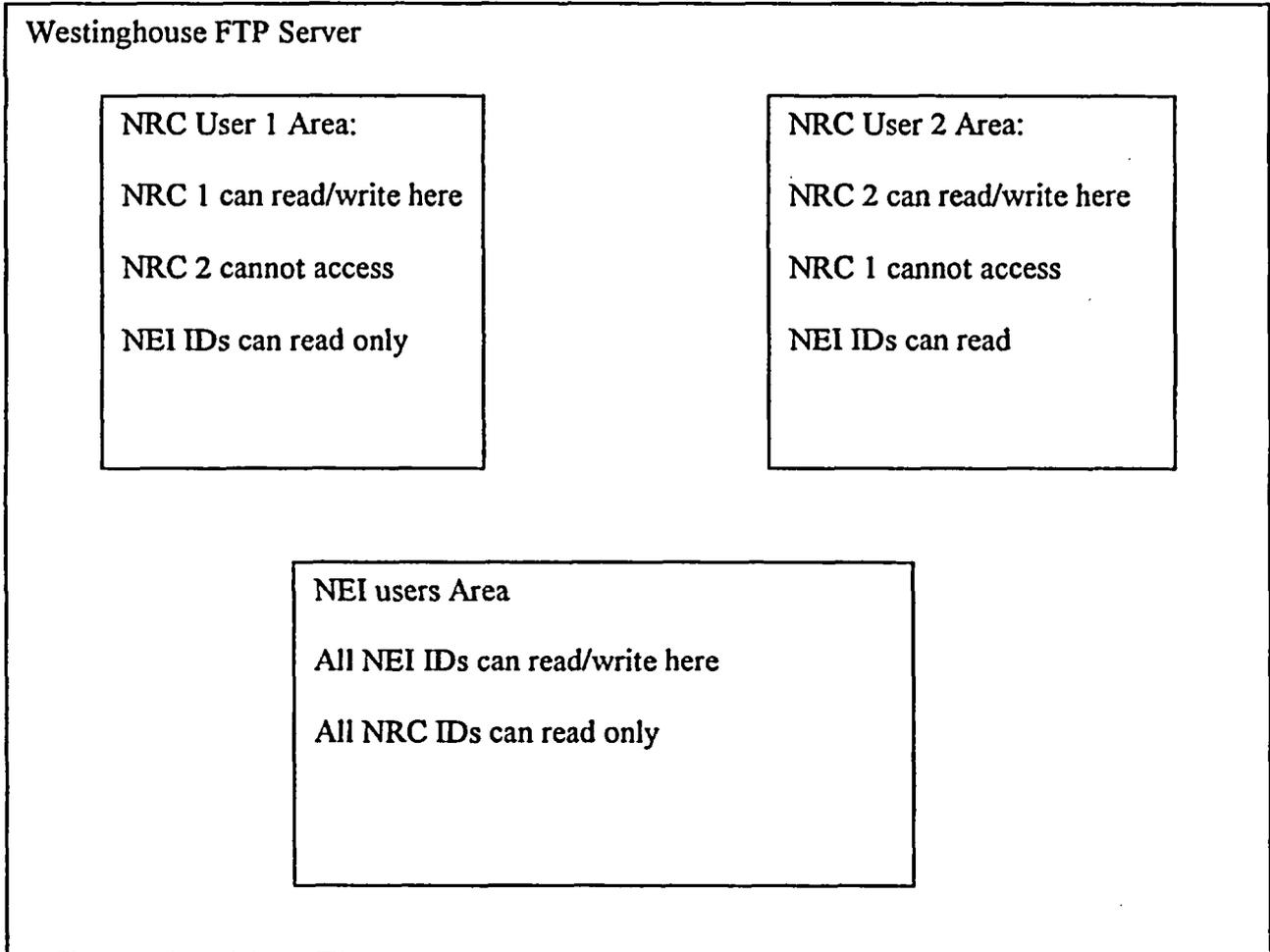


Figure 1 – graphical representation of Westinghouse FTP server file areas

**Lessons Learned and Action Items
Resulting from Phase 1 of the
NRC/NEI CIPIMS/ITAAC Verification Demonstration Program**

Lessons Learned

1. Construction schedule information at a summary level should be available to NRC instantaneously and be current within a day or two.
2. The construction schedule information is business sensitive and proprietary.
3. Proprietary release of construction schedule information to NRC, with complete and appropriate controls, need only be approved once per project by the Office of General Counsel.
4. There are a variety of acceptable ways for electronic information transfer between NRC and the COL holder. Specific mechanism to be determined at time of need.
5. The NRC can perform Construction Inspection activities as it wishes. These activities can include: personal inspection of fabrication and construction activities, review of requested vendor and contractor documentation and data, or review of the COL holder's Quality Assurance Records.
6. Repackaging or submittal of the licensee's QA Records will not be required to support licensee notifications of ITAAC completion. QA Records will be available for audit. (QAR as defined in 10 CFR Part 50, Appendix B/NQA-1 or equivalent.)
7. Documentation to support Construction Inspection will be established and controlled IAW importance to safety and the COL holder's Quality Assurance Program. This includes: fabrication, procurement, installation, test, acceptance of sub-tier QA Programs, recordkeeping, etc.
8. ITAAC does not create the need for any Quality Assurance Records except those to explicitly satisfy the ITAAC itself (ITAAC Determination Bases).
9. Significant effort was expended to make ITAAC explicit and meaningful. Verification of the completion of each Acceptance Criterion by NRC will be based upon the ITAAC as written.
10. The QAP, configuration control and corrective action programs will be relied upon to maintain the acceptance criteria of the SSC following completion of the ITAAC.

Open Actions for Phase 2 on 14 Workstreams and Real World Examples

1. Determine extent to which ITAAC and their precursor construction activities need to be identified in construction schedules.
2. Establish process/criteria for determining documentation requirements for each ITAAC (ITAAC Determination Bases).
3. Determine format and content of licensee ITAAC determination letter to NRC.
4. Determine format and content of NRC ITAAC verification documentation, including 52.99 notices.
5. Determine required nature, extent and format for electronically available information from COL to NRC, including construction schedule info, detailed design info and quality records (eg, deviation reports).
6. Identify acceptable method(s) for licensee sharing of schedule information w/NRC.
7. Jointly demonstrate the Construction Inspection and ITAAC Verification processes from order to "fuel load" with at least one current, real world example.
8. Determine when walkdowns are necessary to verify an ITAAC is met.
9. Clarify the meaning of "as-built" as used in ITAAC acceptance criteria.
10. Establish definition of and how to handle the "report exists and concludes" type of acceptance criteria found in numerous individual ITAAC.
11. The QAP, configuration control and corrective action programs will be relied upon to maintain the acceptance criteria of the SSC following completion of the ITAAC.