BRIEFING ON INSPECTIONS, TESTS, ANALYSES, AND ACCEPTANCE CRITERIA (ITAAC) - RELATED ACTIVITIES

Michael Johnson
Deputy Executive Director for Operations
July 7, 2015

ITAAC PROGRAMS AND POLICIES

Gary Holahan, Deputy Director
Office of New Reactors

CONSTRUCTION INSPECTION PROGRAM UPDATE

Michael Cheok, Director

Division of Construction Inspection and Operational Programs

Office of New Reactors

AGENDA

- **NRC's Construction Inspection Program – James Beardsley**
- **Regional ITAAC Inspections – William Jones**
- **ITAAC Closure – Brian Anderson**
- **Summary – Michael Cheok**

KEY MESSAGES

- **Successful implementation of the construction inspection program**

- **Improvement of our processes through lessons learned**

- **Involvement of all stakeholders in enhancing transparency, efficiency, and predictability of our processes**

NEW NUCLEAR PLANT CONSTRUCTION INSPECTION PROGRAM

James Beardsley, Chief

Construction Inspection Program Branch

Office of New Reactors

CONSTRUCTION INSPECTION PROGRAM IS BROAD, COMPREHENSIVE

- ITAAC Inspection

- Construction and Operational Program Inspections

- Periodic Assessment of Construction Inspection Program Results

- Vendor Inspection Program

COORDINATION BETWEEN NRC OFFICES

- **Technical Assistance Requests**
  - **Formal communication process between construction inspectors and headquarters**

- **Construction Inspection Program Information Management System (CIPIMS)**
  - **Planning, scheduling and reporting**
  - **All ITAAC related findings will be available in CIPIMS to facilitate ITAAC closure notification assessment**
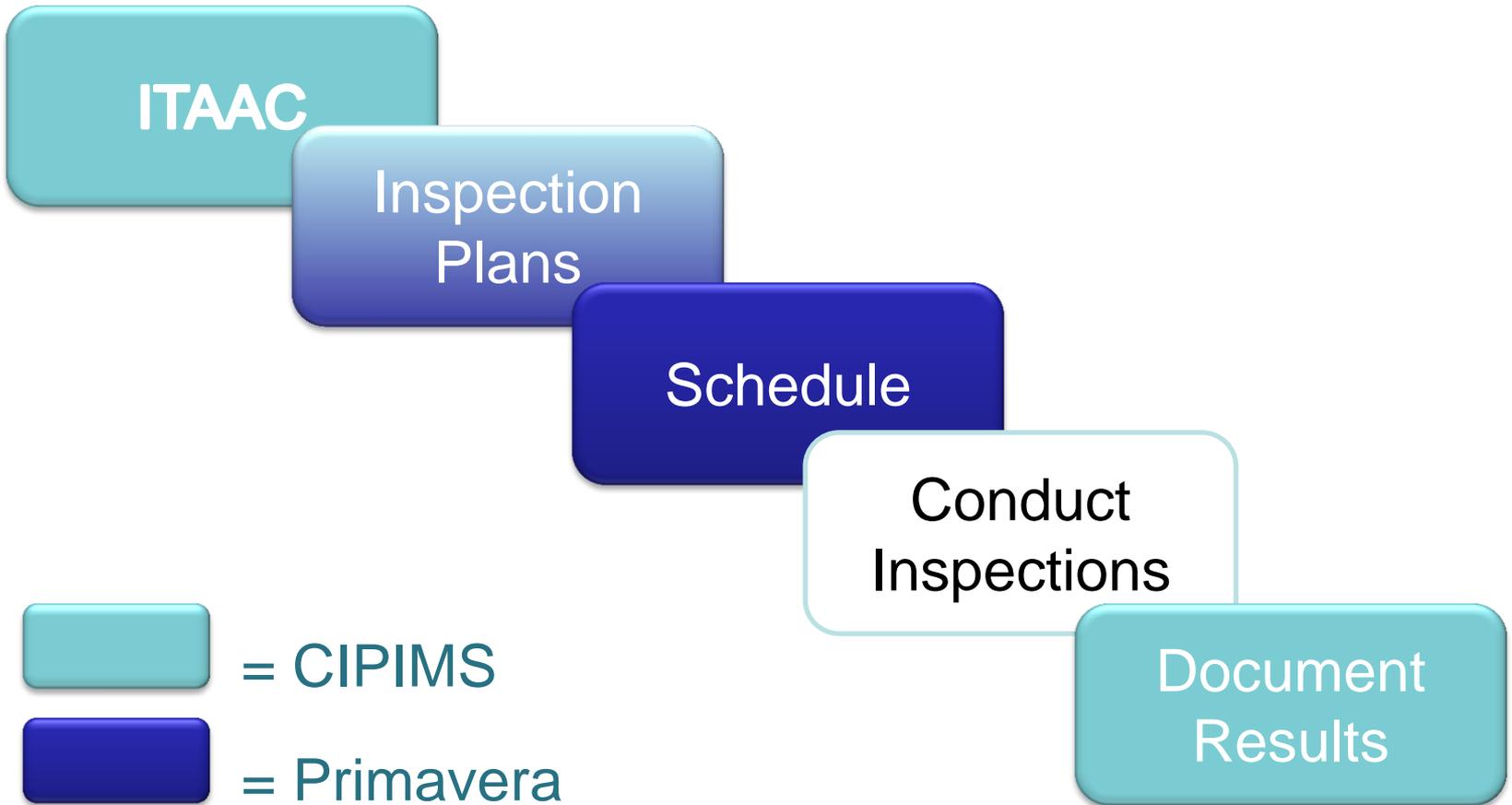
INITIATIVES ENHANCING EFFECTIVENESS

- **Early Identification and Resolution of Technical Issues**

- **Integrated transition working group report completed September 2014**
  - Multiple actions are in process to plan and execute transition

- **Initial test program implementation**

- **Routine evaluation of cROP effectiveness**

TIMELY AND EFFECTIVE CONSTRUCTION INSPECTIONS

William Jones, Director
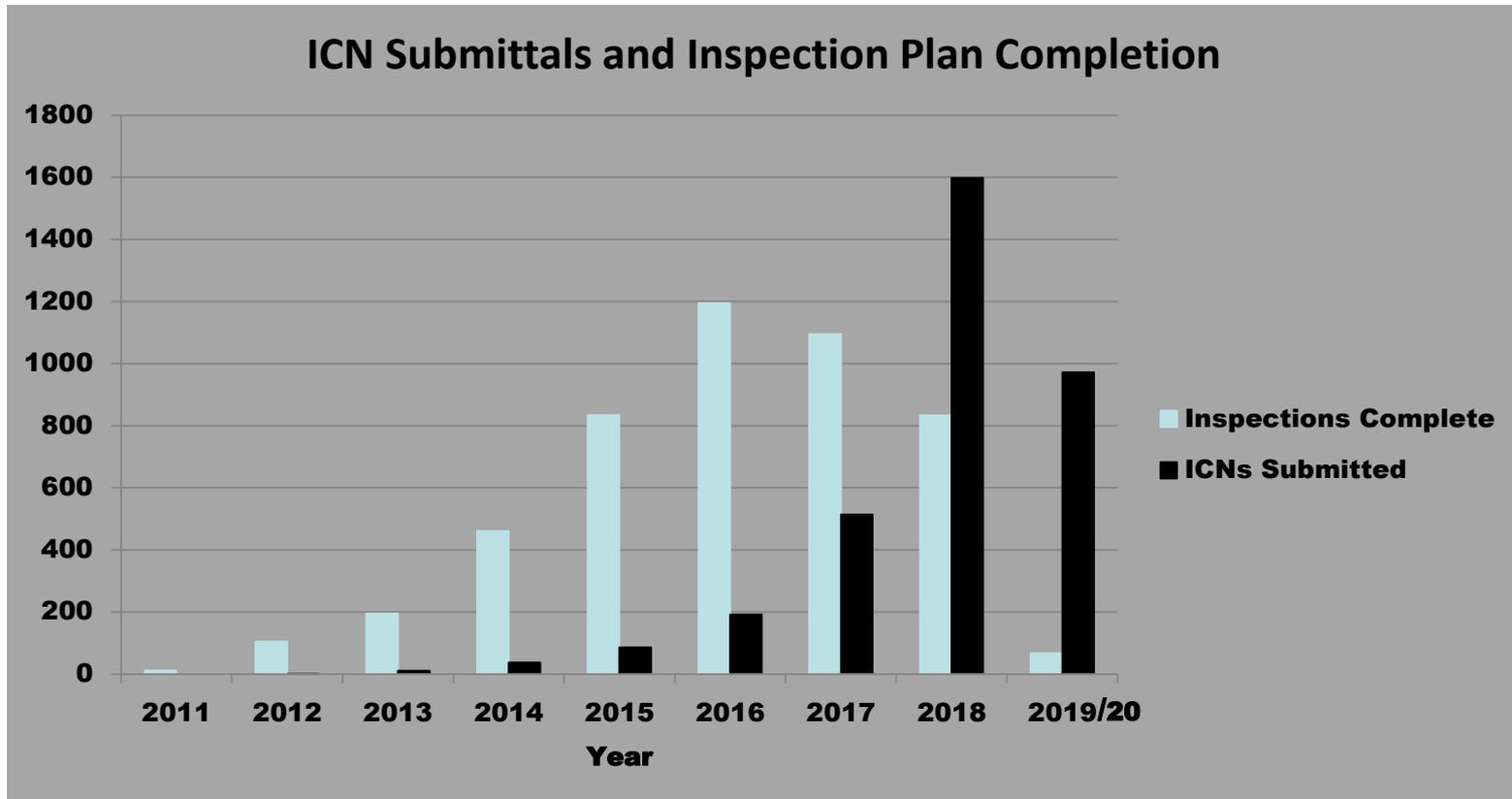## Division of Construction Projects
Region II

PLANNING AND SCHEDULING SUPPORT TIMELY INSPECTIONS

ITAAC

Inspection Plans

Schedule

Conduct Inspections

Document Results

= CIPIMS

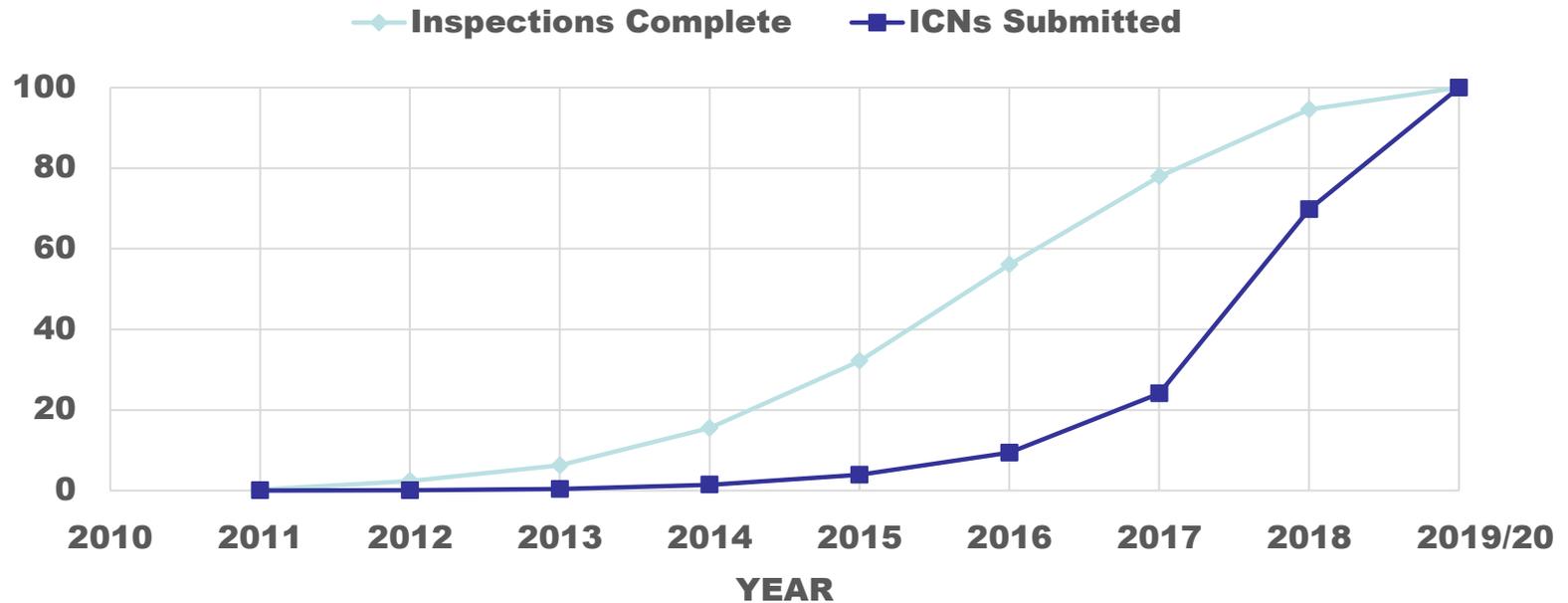= Primavera

IMPLEMENTING TIMELY COMPREHENSIVE INSPECTIONS

- **Inspections scheduled and performed as activities available**

- **Inspectors are knowledgeable engineers with access to subject matter experts as needed**

APPROPRIATE INSPECTION RESOURCES

ICN Submittals and Inspection Plan Completion

INSPECTIONS SUPPORT ITAAC CLOSURE VERIFICATION

ICN SUBMITTALS AND INSPECTION PLAN COMPLETION (CUMULATIVE)

COMPREHENSIVE INSPECTION ACTIVITIES

ITAAC CLOSURE

Brian Anderson, Chief

ITAAC and Generic Communications Branch

Office of New Reactors

ITAAC CLOSURE VERIFICATION PROCESS DISCIPLINED, CONSISTENT

- **Guidance developed for ITAAC closure process**
  - NEI 08-01, Rev. 5
  - RG 1.215, Rev. 2

- **Status of ITAAC closure**
- **Transparent approach for staff verification of ITAAC closure notices**
  - Verification evaluation forms
  - Status reports on NRC public website

NRC STAFF READY FOR EXPECTED ITAAC SURGE

- **Workflow system implemented**
  - Verification of ITAAC Closure Evaluation System (VOICES)
- **Online training module is complete**
- **Process for 52.103(g) finding is being finalized**
- **Continuous stakeholder engagement**
  - Insights incorporated from 23 public meetings since 2011

ITAAC LESSONS LEARNED INFORM ONGOING ACTIVITIES

- Lessons have been documented and shared

  - "Lessons Learned to Improve ITAAC," RIS 2008-05, Rev. 1 (2010)

  - New Reactor Lessons Learned Reports (2013)

- Development of standardized ITAAC

  - Increased efficiency

  - Greater consistency

SUMMARY

- **The construction inspection program has been fully implemented and lessons learned are used to improve our processes**

- **Stakeholder engagement is essential for enhancing the efficiency, predictability, and transparency of our processes**

- **Processes are in place and ready to support the inspection and verification of ITAAC completion**

ACRONYMS

ITAAC Inspections, Tests, Analyses, and Acceptance Criteria

CIPIMS Construction Inspection Program Information Management System

VOICES Verification of ITAAC Closure Evaluation and Status

ICN ITAAC Closure Notification