# Evaluate and Assess your Operational Controls

API Assessment Approach
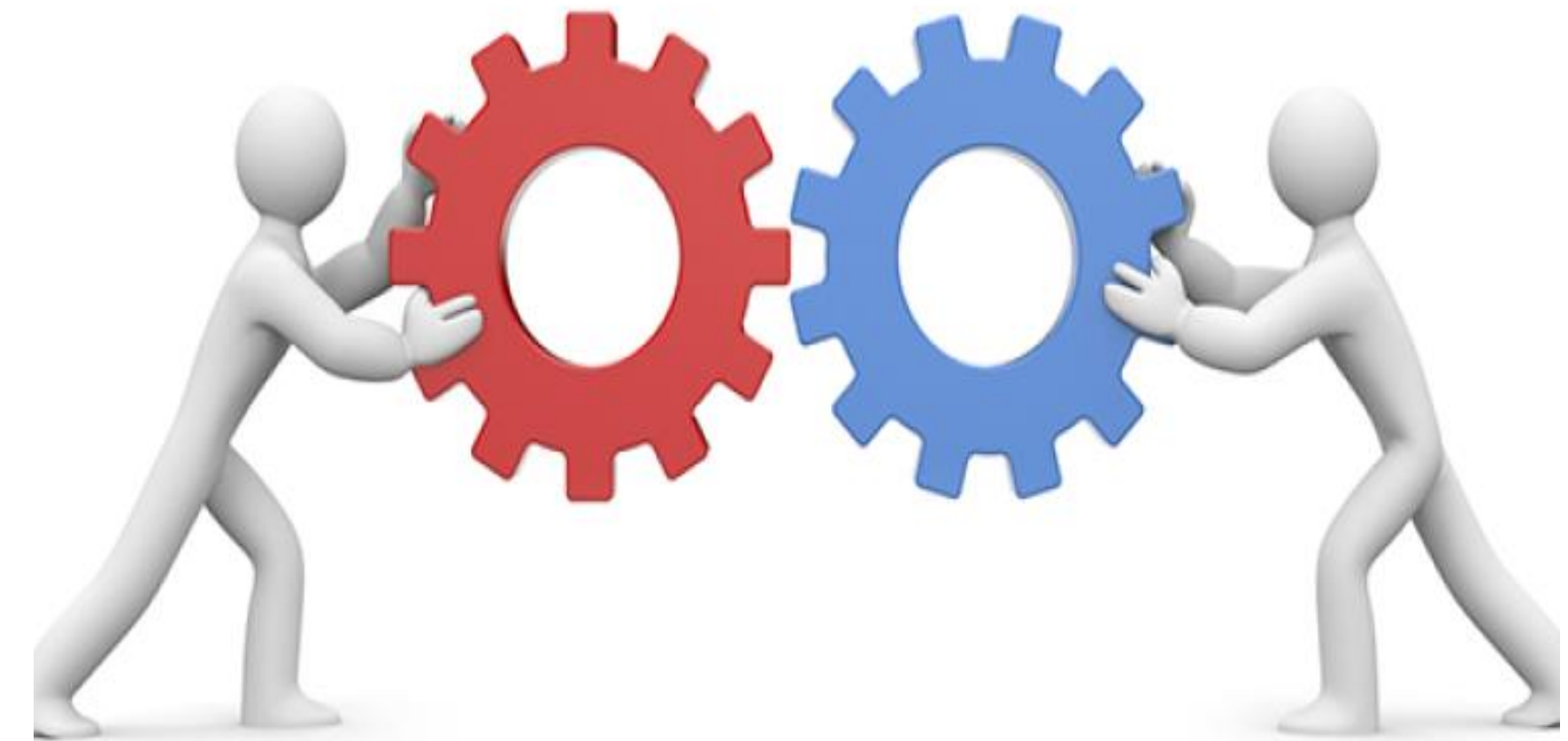
**Pipeline SMS**
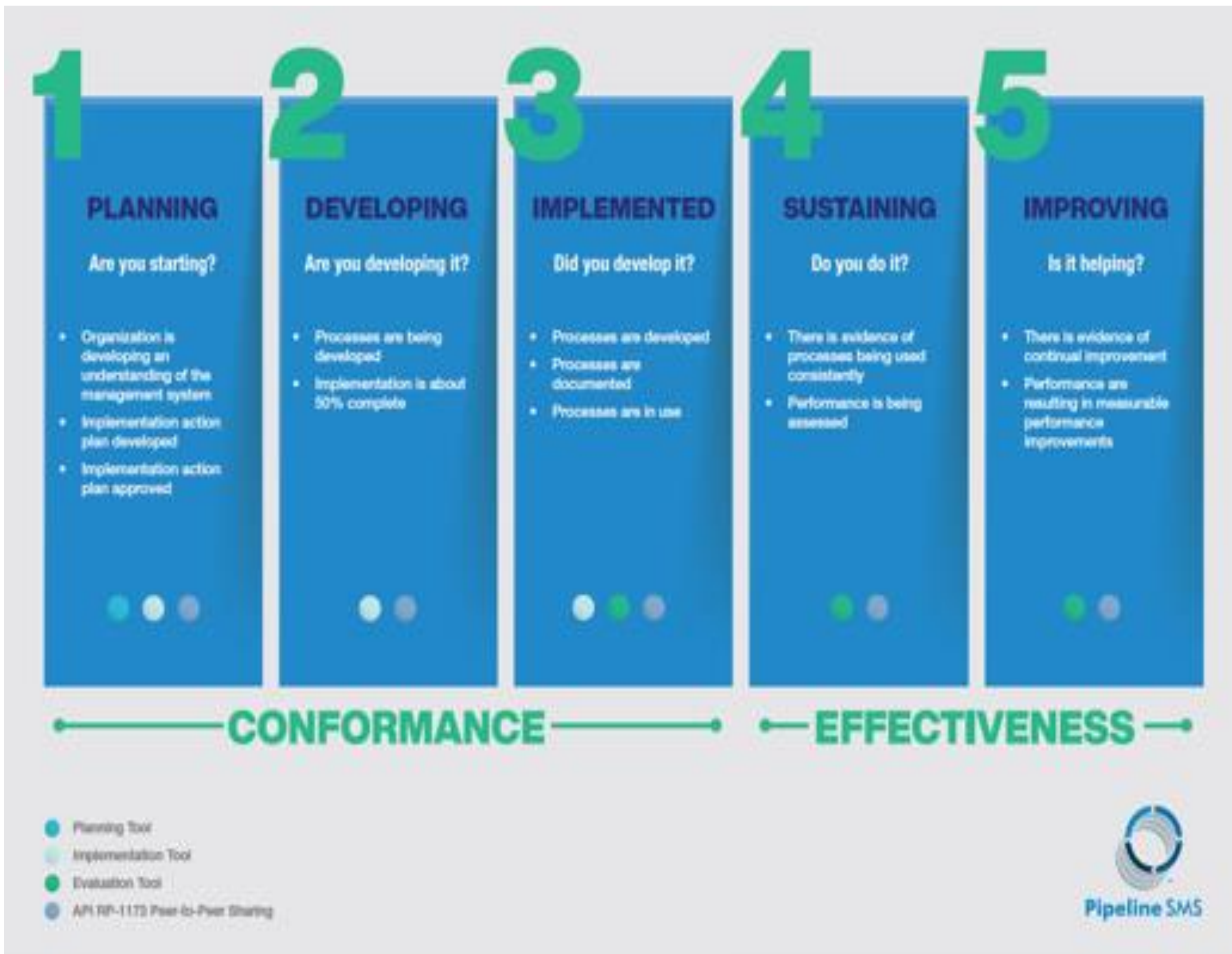
# Got these Operational Controls?

- Safe Work Practices ✓Got Them
- Operating Procedures ✓Got Them
- Engineering/design Standards ✓Got Them
- Quality Control Procedures ✓Got Them
- Inspection Procedures ✓Got Them
- Integrity Procedures ✓Got Them
- Management of Change Procedure(s) ➤Probably
- Contractor Management Procedure ✓Got One

# Pipeline SMS Maturity Model



**The PSMS Maturity Model has 5 levels:**

- Levels 1-3 indicate the degree to which the operator's **PSMS conforms** to the requirements of RP 1173;

  ✓ *To achieve Level 3, a process should be fully developed and implemented within the organization, but it does not need to have been through a PDCA cycle;*

- Levels 4 and 5 indicate the degree to which it has been **effectively implemented** and is resulting in measurable performance improvement;

**Pipeline SMS is a Journey, NOT a Destination.**

# Assessment Planning

- **Assessor Team** – assigned based on experience necessary to achieve the objectives of each assessment

- **Assessment Scope** – based upon operator's covered assets and HQ; outlines discussions with management and element leads

- **Assessment Duration** – based upon size and composition of assessment team; type and complexity of operations, organizational structure, and location of assets
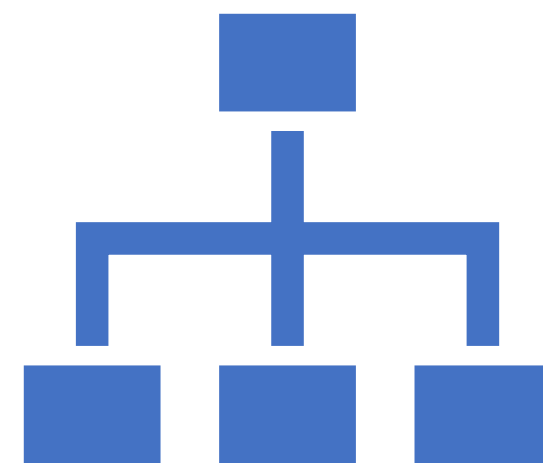
- **Assessment Plan** – Developed by API GIS and operator prior to scheduled execution of assessment
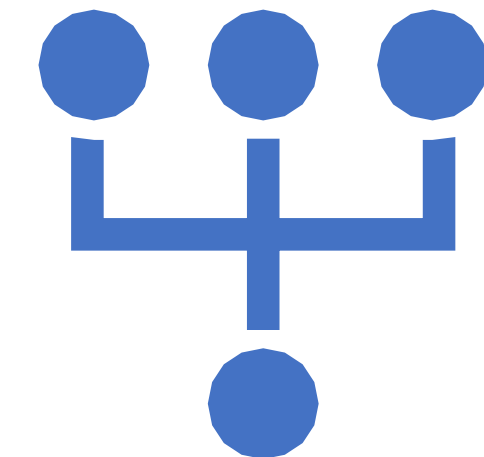
# Assessment Approach or Thought Process

Comprehensive - The degree to which this program, process, procedure, or organization addresses all relevant requirements.

Systematic - The degree to which this program, process, procedure, or organization incorporates a systematic method, appropriate to its risk and complexity, to address all relevant requirements.

Integrated - The degree to which the relevant aspects of this program, process, procedure, or organization for this question are integrated into other relevant programs, processes, procedures, or organizations.

- Confirm Procedures Contain the Requirements.
- Select some Roles for Interviews.
- Develop Questions for Clarification of Procedure Content.

- Time Frame – a couple of hours per Assessor
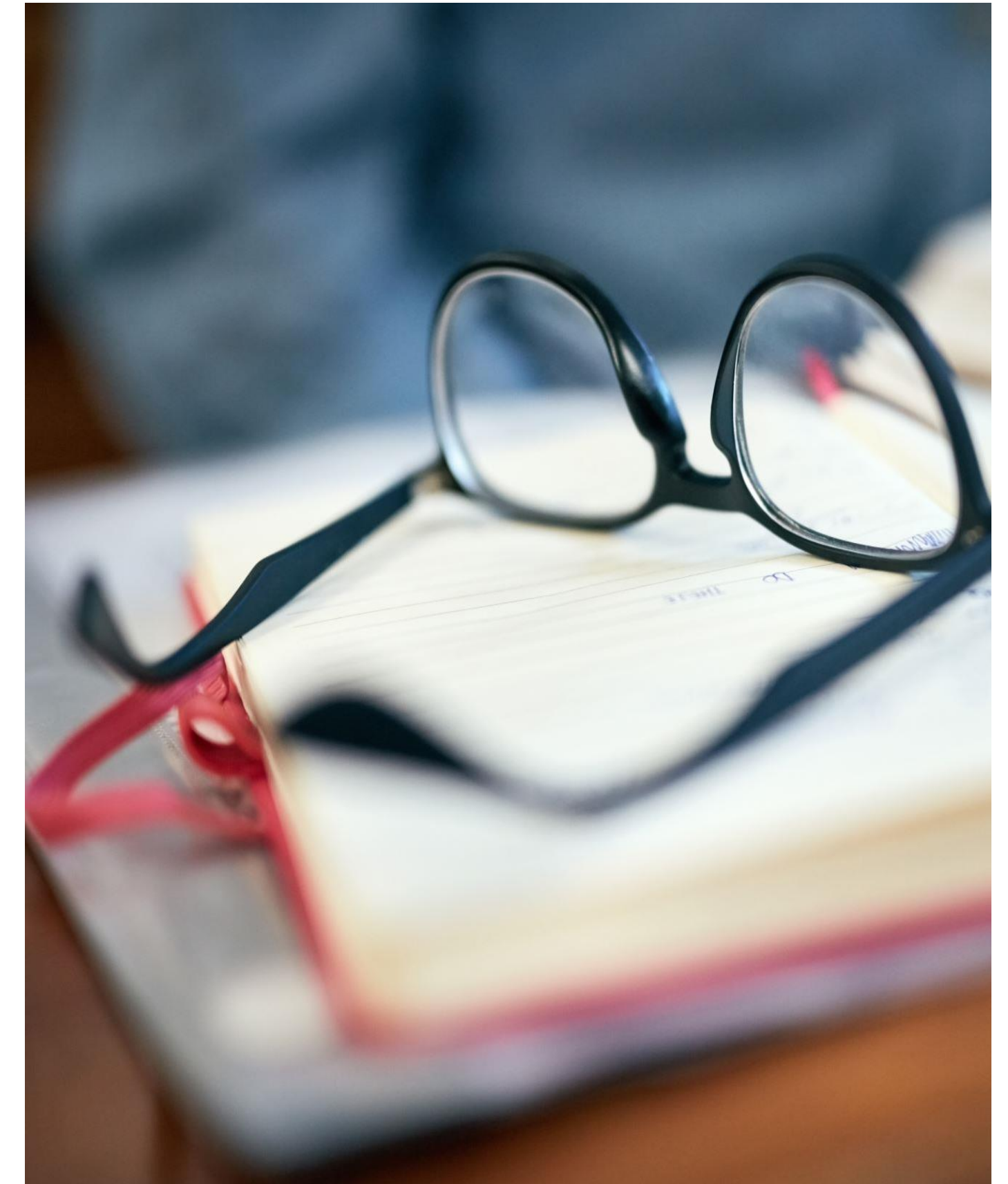
# Interviews

Document Owner

Operational Control User

Second Operational Control User

Third Operational Control User

Validator

- Sampling of the More Complex Operational Controls
- Looking for Consistency in Usage (and ideally Understanding)
  - ✓ Know Why  Consistency is Important
  - ✓ Know Why the Operational Control Exists
  - ✓ How They Came to Understand
- Look at a Sampling of the Results
  - ✓ Consistency
  - ✓ Discussion with Other Assessors on How Results are Used in Other Elements

# Summary

- The Operational Controls Exist
- The Operational Controls Are Comprehensive (meets the Requirements)
- Clear Enough that Users can Use Them and Different Persons Would Use Them Consistently
- If Applicable to Several Groups, They are Used Systematically
- Results of Use Provides Correct, Useful, Understandable Information
- Users of Results can Trust the Information
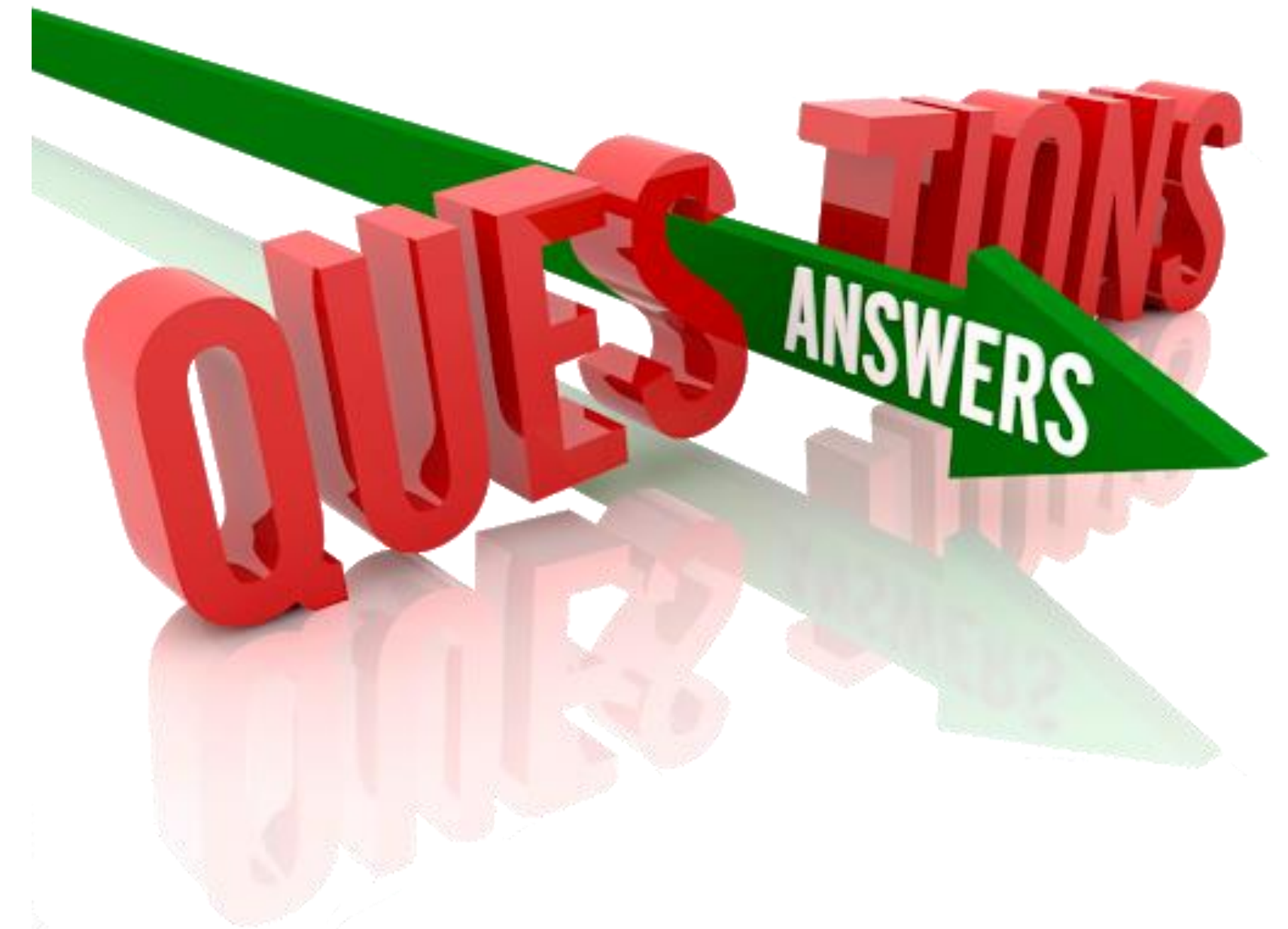
# THANK YOU!

Visit us at: pipelinesms.org

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