Welcome
NIST Safety Update

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Visiting Committee on Advanced Technology
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AGENDA

Report regularly to VCAT on NIST's safety improvement efforts.

2017 SAFETY CLIMATE ASSESSMENT

INCIDENT REPORTING AND INVESTIGATION

PROGRAM DEVELOPMENT AND DEPLOYMENT

Continual Safety Improvement *Drivers*

1. VCAT and VCAT Subcommittee Recommendations
2. Safety Climate Assessments
3. Incident Reporting and Investigation
4. Enhanced Workplace Inspections
5. Management and Staff Observations

2014 NIST Safety Climate Assessment Planned Actions

01 **EMPLOYEE RIGHTS AND RESPONSIBILITIES**
Improve communication to employees of their safety rights and responsibilities.

02 **UNSAFE CONDITIONS AND PRACTICES**
Provide guidance on addressing unsafe conditions and practices.

03 **INCIDENT REPORTING & LESSONS LEARNED**
Implement improved incident reporting processes and mechanisms for sharing lessons learned.

04 **SAFETY TRAINING**
Improve the quality of safety training.

05 **MANAGEMENT OBSERVATIONS**
Incorporate discussions of safety culture issues into management observations.

06 **PERFORMANCE APPRAISALS**
Re-emphasize the importance of employees receiving safety performance feedback during performance appraisals.

2017 Safety Climate Assessment Goals

Identify *actionable* safety opportunities for improvement for supervisors and different NIST work environments.

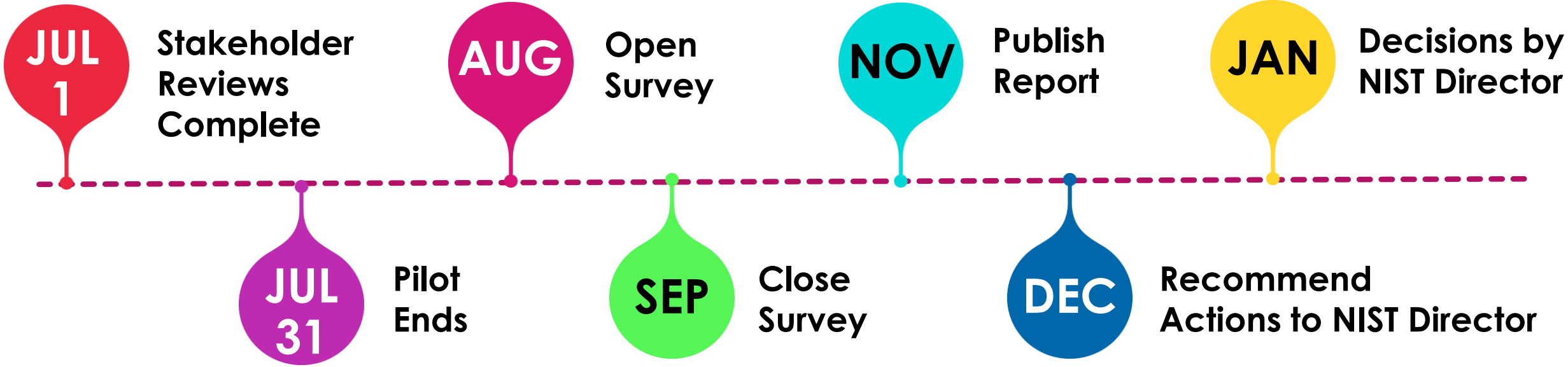
Identify/uncover key ingredients (policies, procedures, practices) in NIST organizations with strong positive safety cultures.

Create templates for success that can be shared and applied across NIST.

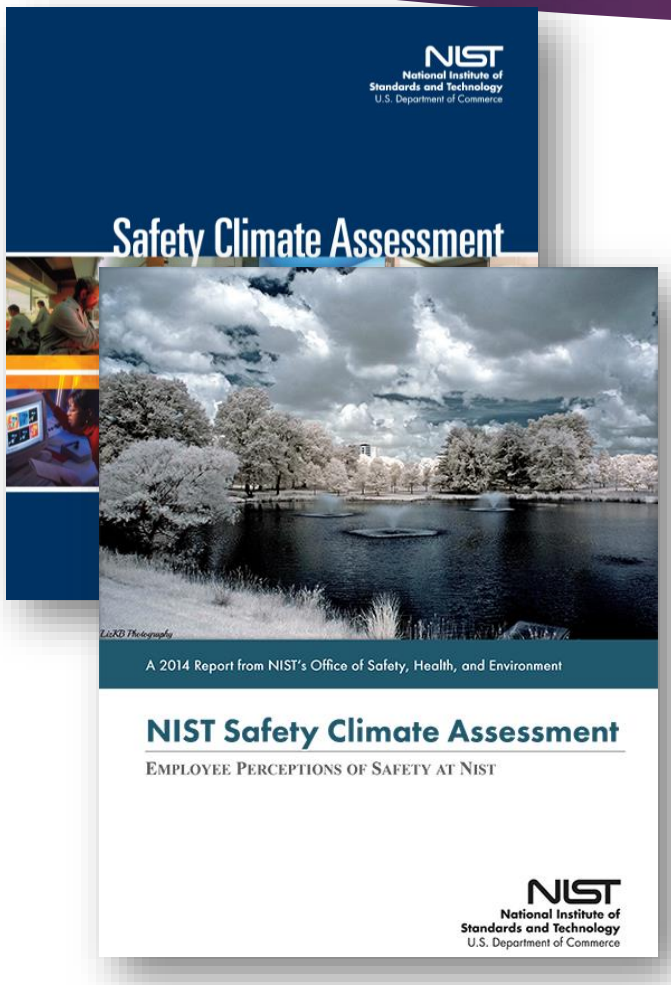
2017 Safety Climate Assessment
Assessment Areas

- Workplace Culture
- Communication
- Workplace Practices
- Resources
- Incident Reporting & Investigation
- Hazard Reviews
- Safety Training
- Safety Programs
- Free Form Questions
- Supervisor Questions

2017 Safety Climate Assessment
Timeline



Incident Reporting and Investigation



2014 Safety Climate Assessment Findings

1. A **large majority** of respondents agreed that reporting incidents **helps improve safety** at NIST.

2. **Less than half** of respondents use incident reports for lessons learned.

3. Apparent **disconnect** between **perceived value** and **practical application**.

Program Improvements

1 **Improves emphasis on near miss reporting** by splitting it out from incident reporting

2 **Streamlines reporting process for simple events**

3 **Clarifies difference between events and unsafe conditions and practices**

4 **Requires NIST supervisors to act on relevant lessons learned**

5 **Improves templates** to strengthen incident and incident investigation reports

6 **Requires OSHE to facilitate incident-trend and lessons learned development**

NIST Safety Minutes

Sharing lessons learned across NIST

Strongly Motivated

- INTERNAL AND EXTERNAL INCIDENTS
- WORKPLACE INSPECTION DATA
- MANAGEMENT & STAFF OBSERVATIONS

Engaging Content

- CRITICAL-THINKING EXERCISES
- VIDEO STORYTELLING
- PEER-TO-PEER CONVERSATIONS, GOOD CATCHES

Program Development and Deployment

PROGRAM = DIRECTIVE + TOOLS + EXPERTISE

EXAMPLES

1. 2017 Safety Climate Assessment
2. Incident Reporting and Investigation Program Improvements

OPEN AND TRANSPARENT PROCESS

Extensive engagement of:

- NIST Management
  - Executive Safety Committee
- Safety Advisory Committee
- Safety Representatives
- NIST Subject Matter Experts


DISCUSSION