



Joseph A. Holmes Safety Association and Holmes Mine Rescue Association

2019 Joint National Meeting and Training Seminar

June 19, 2019
Virginia Beach, VA



Why CORESafety: Contributing Factors

- **MSHA compliance is no assurance of good S&H performance.**
- **S & H dialogue shifted from compliance to best practices.**
- **A system that is unique to the mining industry**
- **Continuing statistical improvement, but fatalities and serious incidents still occur.**

Our brother's keeper



As an industry, we are only as strong as the slowest ship in the convoy.
The public and policymakers treat us as one entity when things go wrong. Good intent is meaningless in the face of poor performance. We must move together and support each other to succeed in advancing mining safety and health.

Develop and implement an industry-wide strategic plan for the purpose of eliminating mining fatalities and reducing the injury rate by 50% within five years of CORESafety® implementation (0:50:5).

- After 140+ years of safety management knowledge, we know that:
 - Prescriptive regulations are helpful but not proactive enough;
 - Systematic control of risk offers the best opportunity to reach 0:50:5;
 - Systematic risk management works best in management systems;
 - Safety leadership is no longer discretionary;
 - Leadership drives culture improvement, culture optimizes systems;
 - Peer support and accountability reflect an industry's strength;

NMA CORESafety Guiding Principles

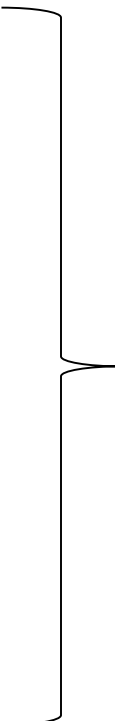
- **Promote the safety and health of every employee, contractor and visitor as a core value that is integrated into all areas of our business;**
- **Strengthen and promote safety leadership and responsibility among all employees;**
- **Improve safety performance by conducting an assessment of the organization's safety culture;**
- **Assess risks and evaluate and implement appropriate controls to improve employee safety and health;**
- **Involve all employees in continuous improvement activities to enhance safety and health performance;**

- **Provide education and training to ensure employees are knowledgeable of potential work hazards, safe work policies, procedures and practices and their responsibility to personal safety and the safety of their co-workers;**
- **Provide the tools and training required for miners to operate all mines, plants and equipment in accordance with federal and state safety standards; and**
- **Engage in continued development and evaluation of new technologies and processes that will promote the health and safety performance of every employee.**

CoreSafety Framework vs Model SHMS Modules



The CORESafety Framework (CSF) includes a safety and health management system based on three core organizational competencies: leadership, safety and health management, and assurance, managed through continual improvement principles: Plan, Do, Check, and Act. CORESafety is a framework from which companies should design safety and health management systems appropriate for their individual worksites, if they do not already have their own.



- 1. Leadership Development
- 2. Responsibility & Accountability
- 3. Culture Enhancement
- 4. Collaboration & Communication
- 5. Reinforcement & Recognition
- 6. Resources & Planning
- 7. Management System Coordination
- 8. Risk Management
- 9. Change Management
- 10. Engineering & Construction
- 11. Safe Work Procedures & Permits
- 12. Training & Competence
- 13. Occupational Health
- 14. Behavior Optimization
- 15. Incident Reporting & Investigation
- 16. Contract Management & Procurement
- 17. Emergency Management
- 18. SH Management Assurance
- 19. Audit & Review
- 20. Document & Information Management

- Leadership; Manage (S&H); Assurance



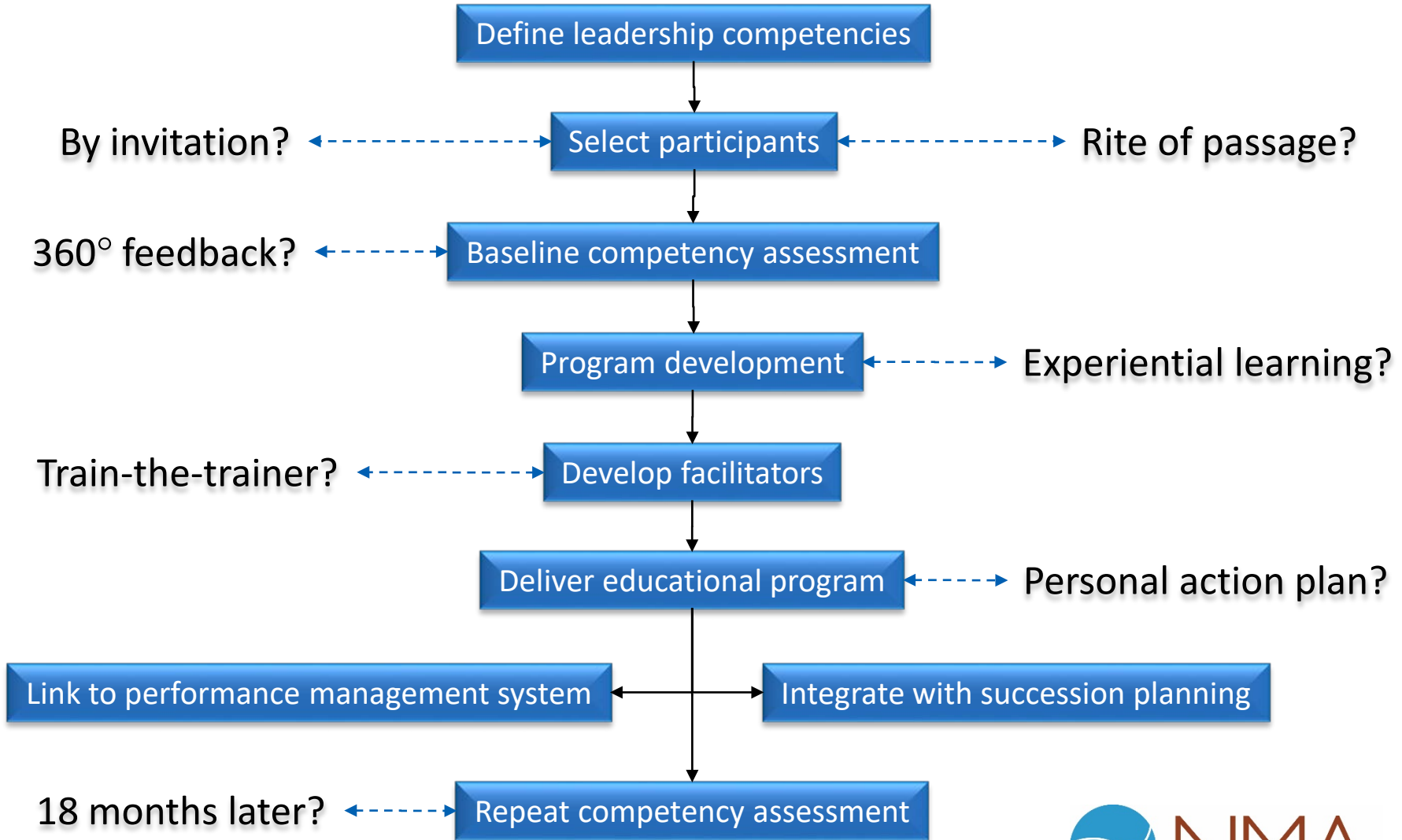
CORESafety Model SHMS



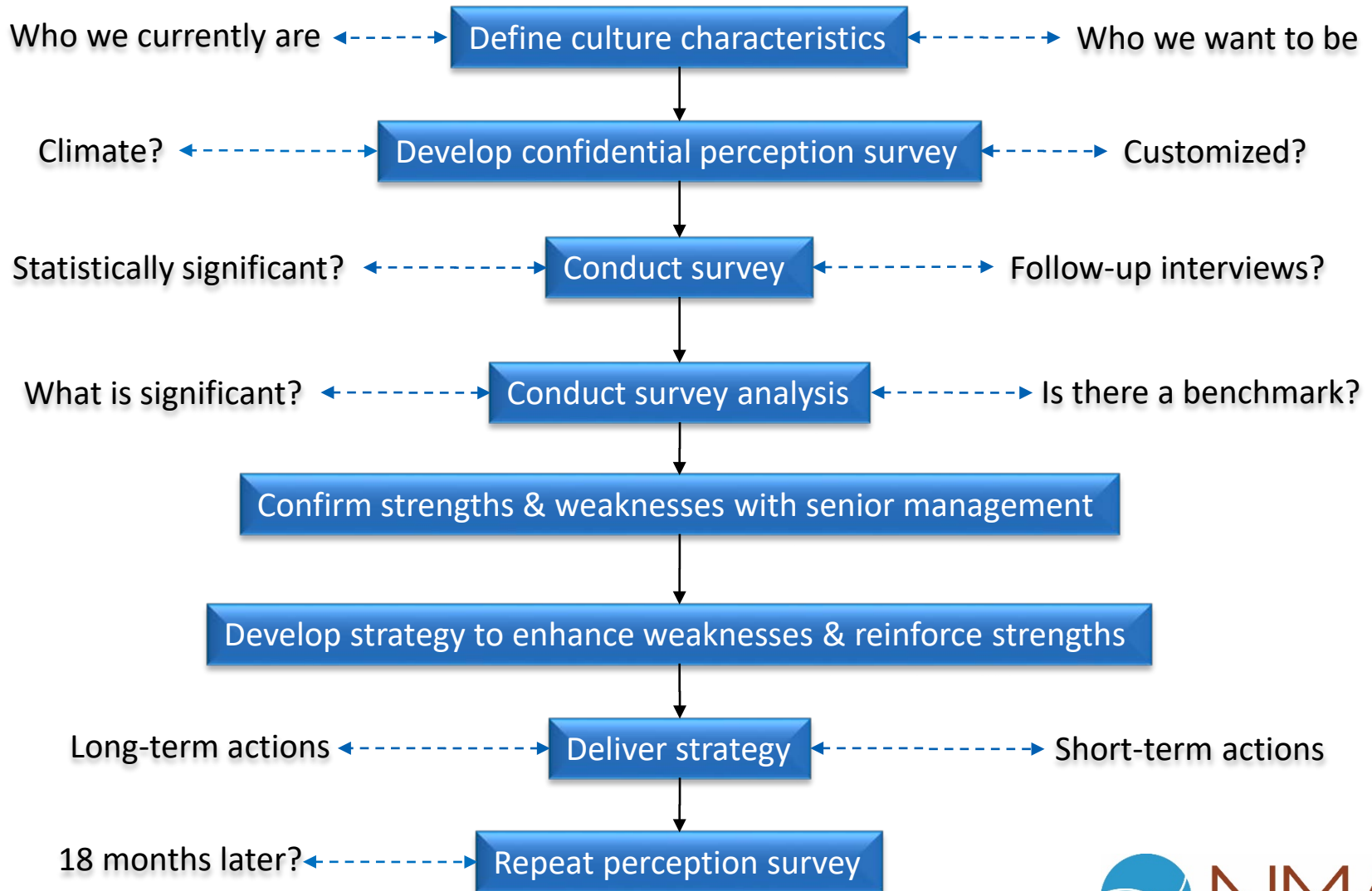
Committed to Excellence in Mining Safety



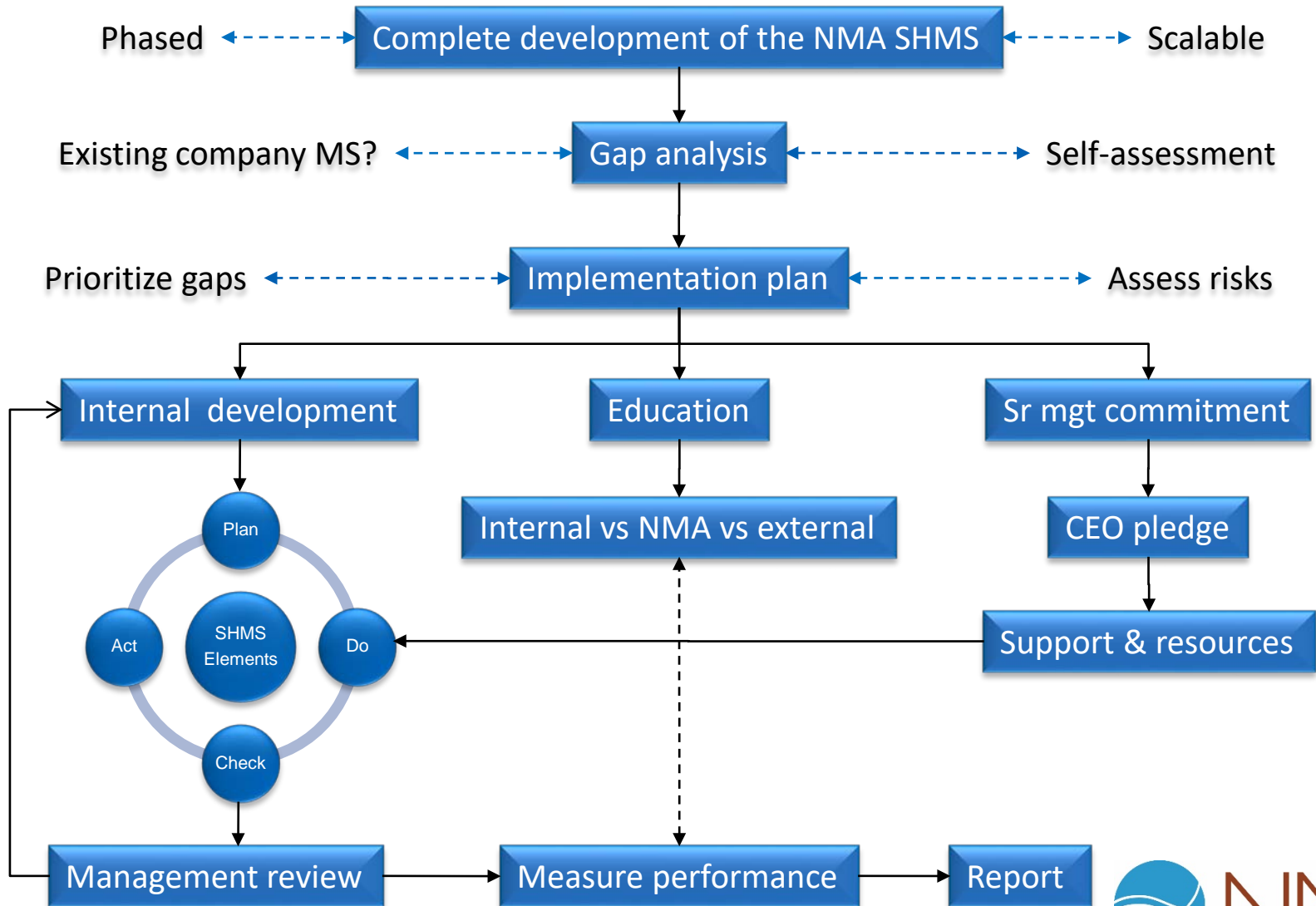
Leadership Development Process



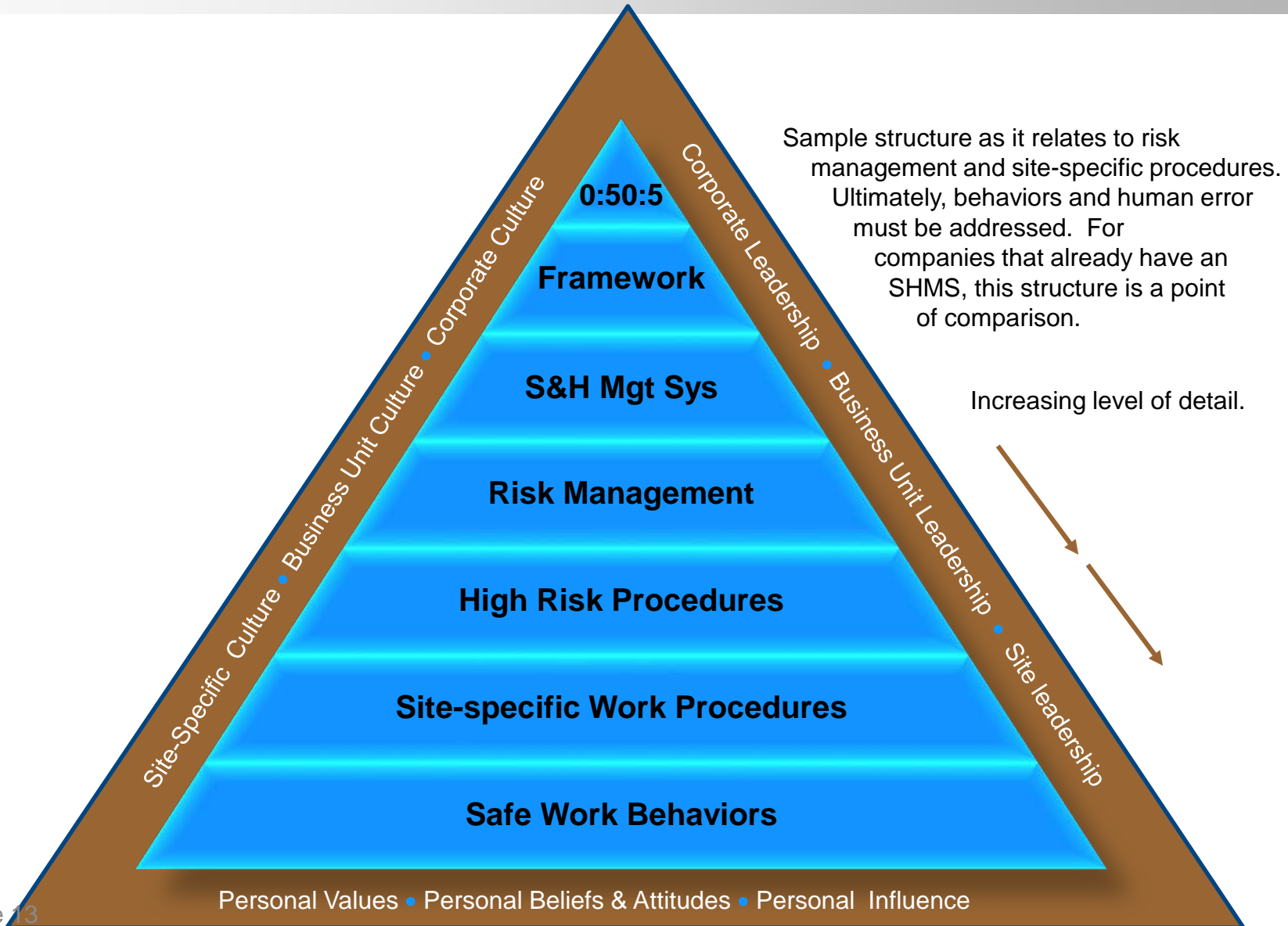
Culture Enhancement Process



Management System Implementation Process



CORESafety Structure



CORESafety Timeline





Where is CORESafety® among NMA's membership?



9 CORESafety® Certified Companies

- **Cloud Peak Energy Resources, LLC**
- **Coeur Mining**
- **Dyno Nobel**
- **Freeport-McMoRan Copper and Gold**
- **Hecla Mining Company**
- **Newmont Mining Corporation**
- **Peabody Energy**
- **Kinross Gold**
- **Prairie State Generating Company's Lively Grove Mine**

19 Participating CORESafety® Companies

- Arch Coal, Inc.
- Barrick Gold of North America
- CONSOL Energy Inc.
- Contura Energy, Inc.
- Hallador Energy Company
- J. R. Simplot Company
- Luminant
- Morton Salt
- Navajo Energy Transitional Energy Co.
- North American Coal Corporation

19 Participating CORESafety® Companies

- **Rio Tinto Minerals**
- **Rio Tinto/Kennecott Utah Copper**
- **Stillwater Mining Company**
- **Teck American Incorporated**
- **Trapper Mining Inc.**
- **Twin Metals**
- **Usibelli Coal Mine, Inc.**
- **Warrior Met Coal**
- **Western Fuels Association, Inc.**

CORESafety Results

- **24 of 28 participating companies reduced the MSHA recordables rate from 2014 – 2018**
- **Each of the 4 remaining companies recorded an MSHA TCIR below 0.50 in both 2014 and 2018.**
- **Fewer injuries = lower WC costs**
- **Intangibles**



Next Steps: NMA CORESafety



CORESafety: Keeping it Going

- **Communication & Coordination**

- Newsletter and CORESafety TV
- Website updates
- Industry events

- **Maintaining momentum:**

- Mentoring, peer-to-peer
- CORESafety Advisory Committee
- Increase participation

- **Support**

- Workshops: CORESafety overview, management systems, risk management
- Best practices