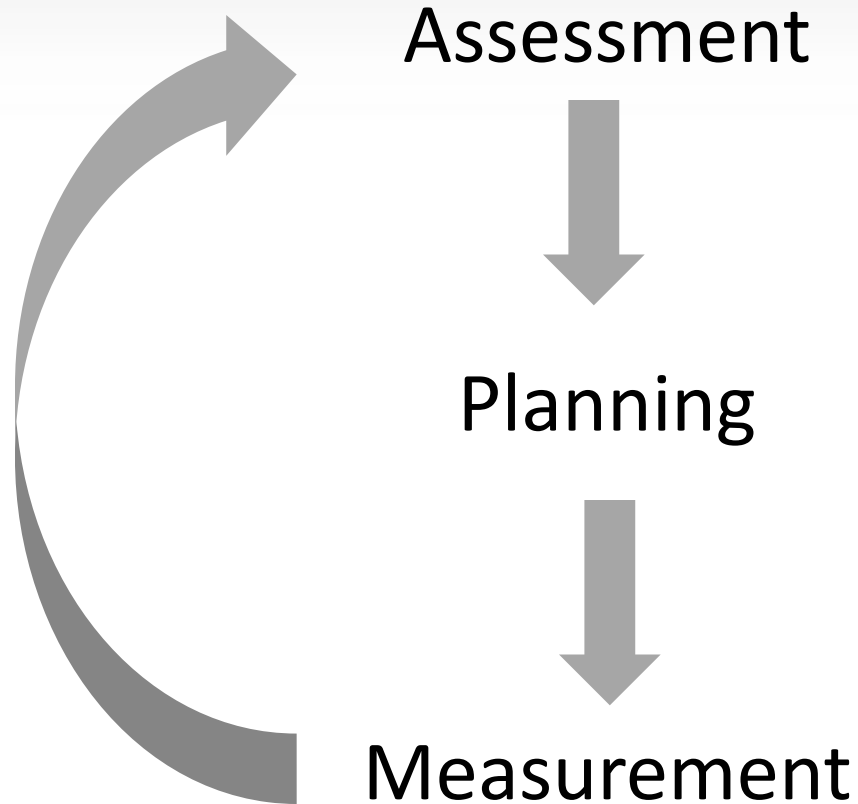


Rural Electric Safety Achievement Program

NRECA Board Resolution

RESOLVED, that NRECA staff be directed to develop a plan to strengthen and enhance the rural electric safety program by moving from the current accreditation system to a new safety “accountability” program and to present an implementation approach to the NRECA Board in December (2010) for deployment in 2011.

The Safety Cycle



Key Changes

- Formal Leadership Commitment
- Safety Improvement Plan
- Annual Self-Assessment
- Refined Performance Measures

Formal Leadership Commitment

- Adopt the guiding principles
- Complete the formal assessment
- Develop an annual safety improvement plan
- Commit to on-going training
- Commit to an annual performance measurement update

Guiding Principles

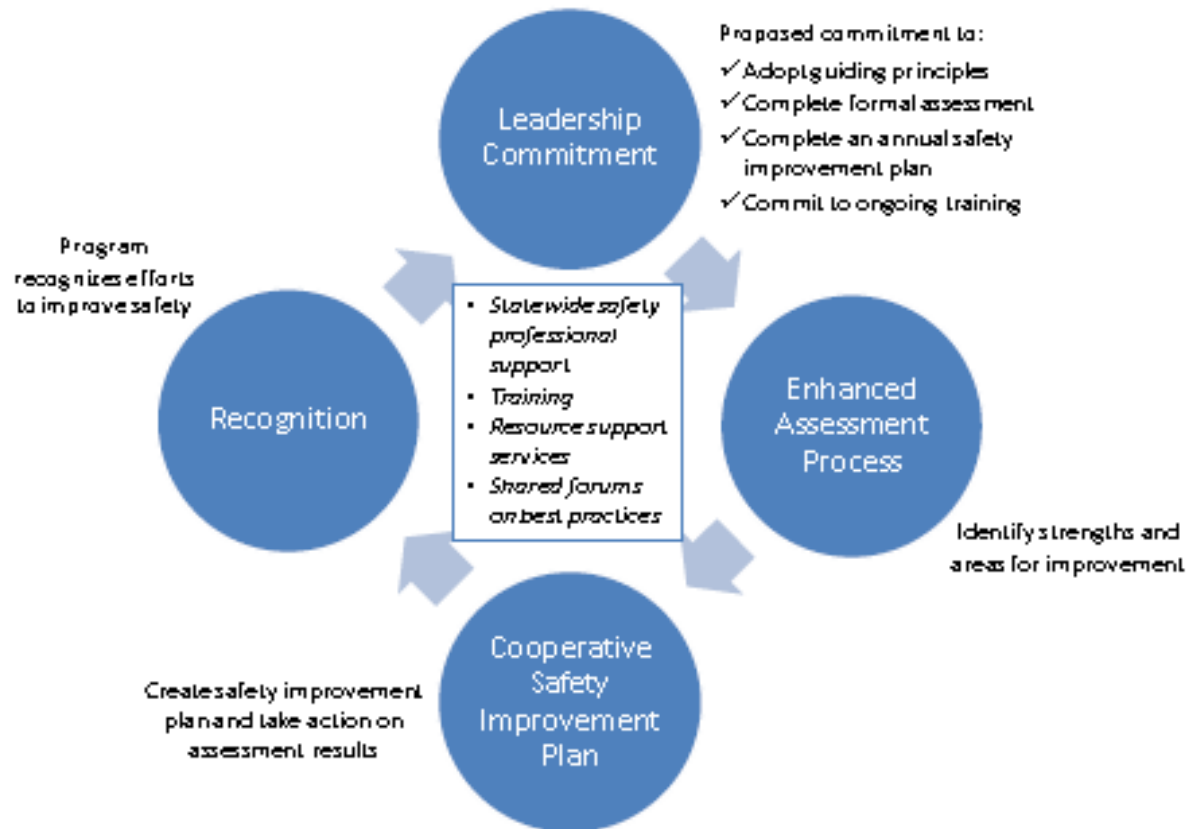
1. Safety must be a core value within the organization
2. Cooperative leaders own the culture that drives safety performance.
3. Cooperative leaders and employees take ownership of the systems, conditions and processes that create safety results.
4. Leaders ensure an environment in which all employees are accountable for safety.
5. Sustainable safety improvement is achieved by engaging and motivating both leaders and employees.

Safety Improvement Plan

- Introduce a disciplined continuous improvement cycle
- Focus on the areas of most in need of improvement
- Engage all levels of leadership in safety improvement planning efforts

Proposed Direction

Program enhancement - continuous improvement cycle towards safety excellence



Annual Self -Assessment Plan

Program Required

- Leadership commitment **(new)**
- Performance measurement & data **(new)**
- Distribution-Transmission data collection/application
- Generation data collection/application
- Distribution-Transmission on-site observation
- Generation on-site observation

User Optional (new)

On-site surveys:

- Administration buildings
- Warehouse & storage facilities
- Plant maintenance facilities
- Power tools & equipment

Other custom designed surveys:

- Safety culture
- Front-line leadership
- Accident investigation
- Job Briefing

Safety Performance Measures

Measures	Formula
DART	$\frac{\text{Restricted, Transferred \& Lost Work Day Cases} \times 200,000}{\text{Total Hours of Exposure}}$
Loss Work Day Case Rate	$\frac{(\text{Death} + \text{Days Away Cases}) \times 200,000}{\text{Total Hours of Exposure}}$
Vehicle Accident Rate	$\frac{\text{Number of Vehicle Accidents} \times 1,000,000}{\text{Number of Miles Driven}}$

Refined Performance Measures

► **Cooperative Summary Report** – Performance Measures

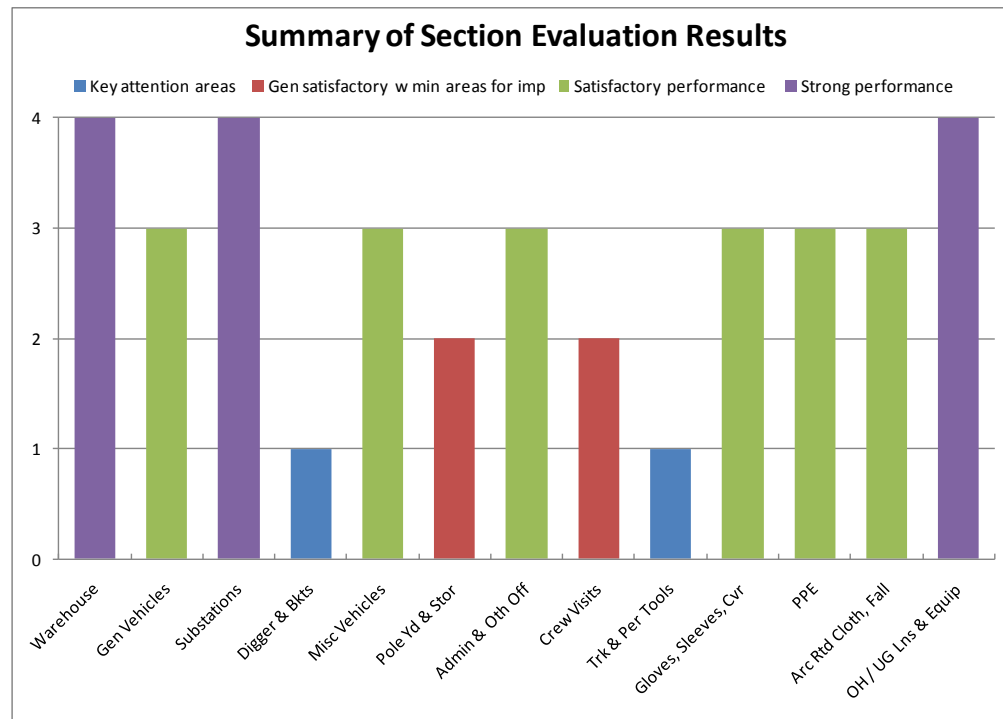
1. DART (Day Away Restricted Transferred Duty)
 2. Lost work day case rate
 3. Vehicle accident rate
- Updated annually
 - Graph of six years of data with trend line
 - Comparative analysis
 - ✓ National, state, region, size & top tier

► **Annual National Report**

- Standardized format & comparative analysis
 - ✓ DART, lost work day case rate & vehicle accident rate
- Include fatality rate & TCIR
- Summary of primary & secondary contacts
- Comparative analysis
 - ✓ National, state, region, size & top tier

Program Assessment Summary Report

Section	Total Questions	Exceeds	Satisfies All	Satisfies Most	Partially Satisfies	Fails	N/A	Overall Evaluation (on-site team evaluation)
Warehouse	12	2	3	6	1	0	0	Strong performance
Vehicles	18	2	6	7	2	1	0	Generally satisfactory with minor areas for improvement

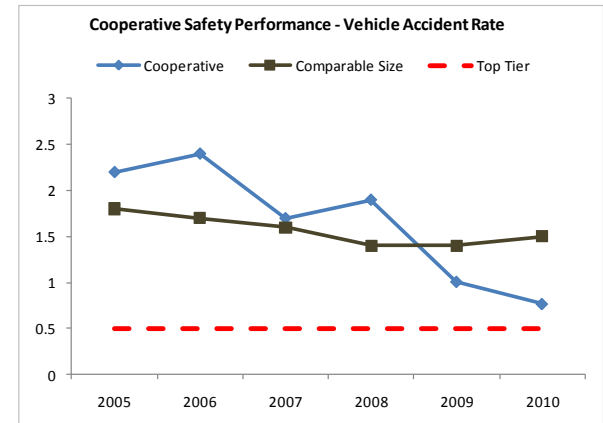
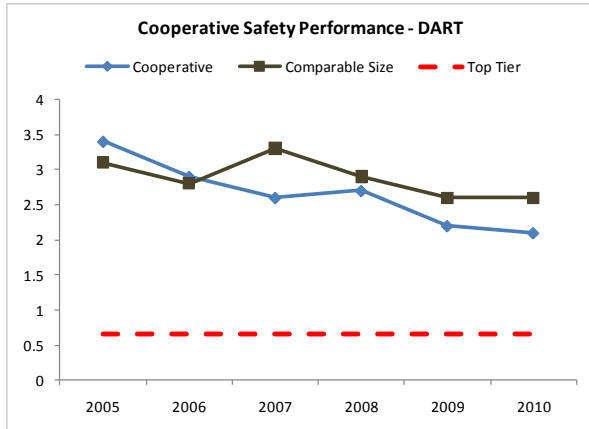


Program Assessment Summary Report – Cooperative

I. Safety Performance Measures Section

Comparative Performance Matrix

	Year	Three year average	State	Region	Nation	Comparison size	Top Tier Cooperatives
DART							
Loss Work Day Case Rate							
Vehicle Accident Rate							



Program Assessment Summary Report

Summary of on-site assessment results matrix

Section	Strengths	Opportunities	General comments
Warehouse			
Pole yard and outside storage			
Diggers, buckets, etc.			
Miscellaneous vehicles			
Trucks and personal tools			

Specifics comments from each related question grouped by each online sections

Safety Performance Measures

Comparison of Data Collection Requirements

2010 RESAP Measurements

Data collected - 3 year cycle, previous six years (OSHA 300A)	
Number of fatalities	
Number of cases with days away from work	
Number of cases with job transfers or restrictions	
Number of other recordable injuries	
Total hours worked	

Additional Data collected for prior review period	
Number of fatalities	<ul style="list-style-type: none"> ✓ Type of accident ✓ Cause of accident
Number of primary contacts	<ul style="list-style-type: none"> ✓ Cause of accident
Number of secondary contacts	<ul style="list-style-type: none"> ✓ Cause of accident
Number of injuries/illnesses requiring hosp >23 hrs or >25 lost work days	<ul style="list-style-type: none"> ✓ Body part ✓ Cause of accident

2011 NSAPE Measurements

Data collected - Annually (OSHA 300A)	
Number of fatalities	
Number of cases with days away from work	
Number of cases with job transfers or restrictions	
Number of other recordable injuries	
Total hours worked	
Vehicle Accidents	
Number of miles driven (co-op owned or leased)	
Number of fatalities	<ul style="list-style-type: none"> ✓ Type of accident ✓ Cause of accident
Number of primary contacts	<ul style="list-style-type: none"> ✓ Type of work ✓ Cause of accident ✓ Body part
Number of secondary contacts	<ul style="list-style-type: none"> ✓ Type of work ✓ Cause of accident ✓ Body part

Comparison of Safety Performance Measures

2010 RESAP Measurements

- ▶ Performance Measures provided from on-line Application – Cooperative Report out
 1. TCIR (Total Case Incident Rate)
 2. DART (Day Away Restricted Transferred Duty)
 - Updated on 3 years cycle
 - Matrix format listing six years
 - TCIR six year trend shown as a percentage
 - ✓ 25% to - 25% range = level trend line



2011 Recommended Measurements

- ▶ Performance Measures provided from on-line Application – Cooperative Summary Report
 1. DART (Day Away Restricted Transferred Duty)
 2. Lost Work Day Case Rate
 3. Vehicle Accident Rate
 - Updated Annually
 - Graph of six years of data with trend line
 - Comparative Analysis
 - ✓ National, State, Region, Size & Top Tier
- ▶ Annual National Report
 - Standardized format & comparative analysis
 - ✓ Dart, Lost Work Day Case Rate & Vehicle Accident Rate
 - Include Fatality Rate & TCIR
 - Summary of Primary & Secondary contacts
 - Comparative Analysis
 - ✓ National, State, Region, Size & Top Tier

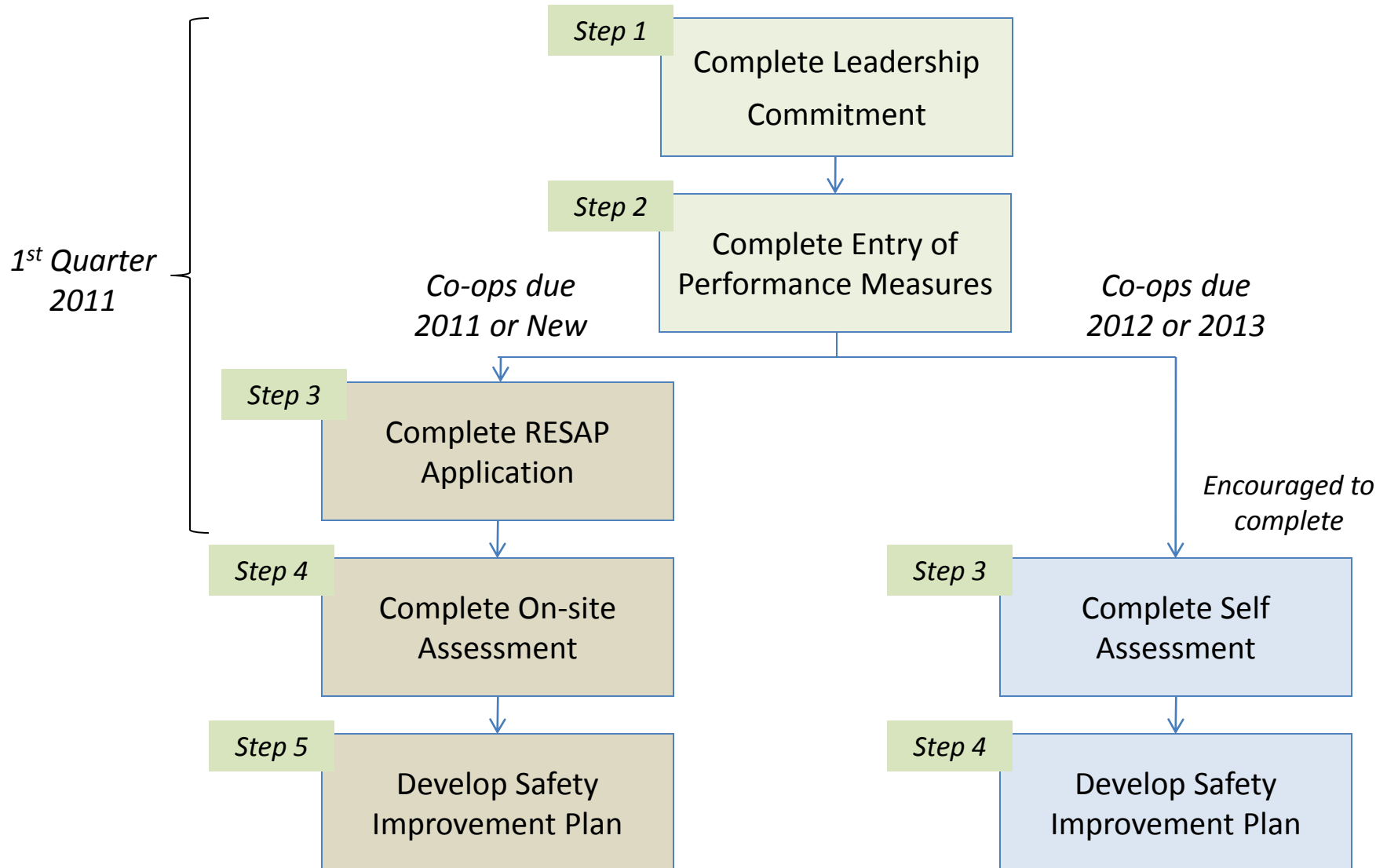
Overview of ANSI Z15.1 – Safe Practices for Motor Vehicle Operations

- ▶ The purpose of the standard is to provide organizations with policies, procedures, and management processes to control risks associated with the operations of motor vehicles.
- ▶ The standard applies to:
 - Licensed motor vehicles designed to operate primarily on public roads
 - Organization-owned or leased vehicles
 - Exceptions: not applicable to unlicensed equipment or off-road recreational vehicles (examples – farm equipment, all-terrain vehicles, road construction equipment, haulage truck operated solely on industrial sites, etc.)

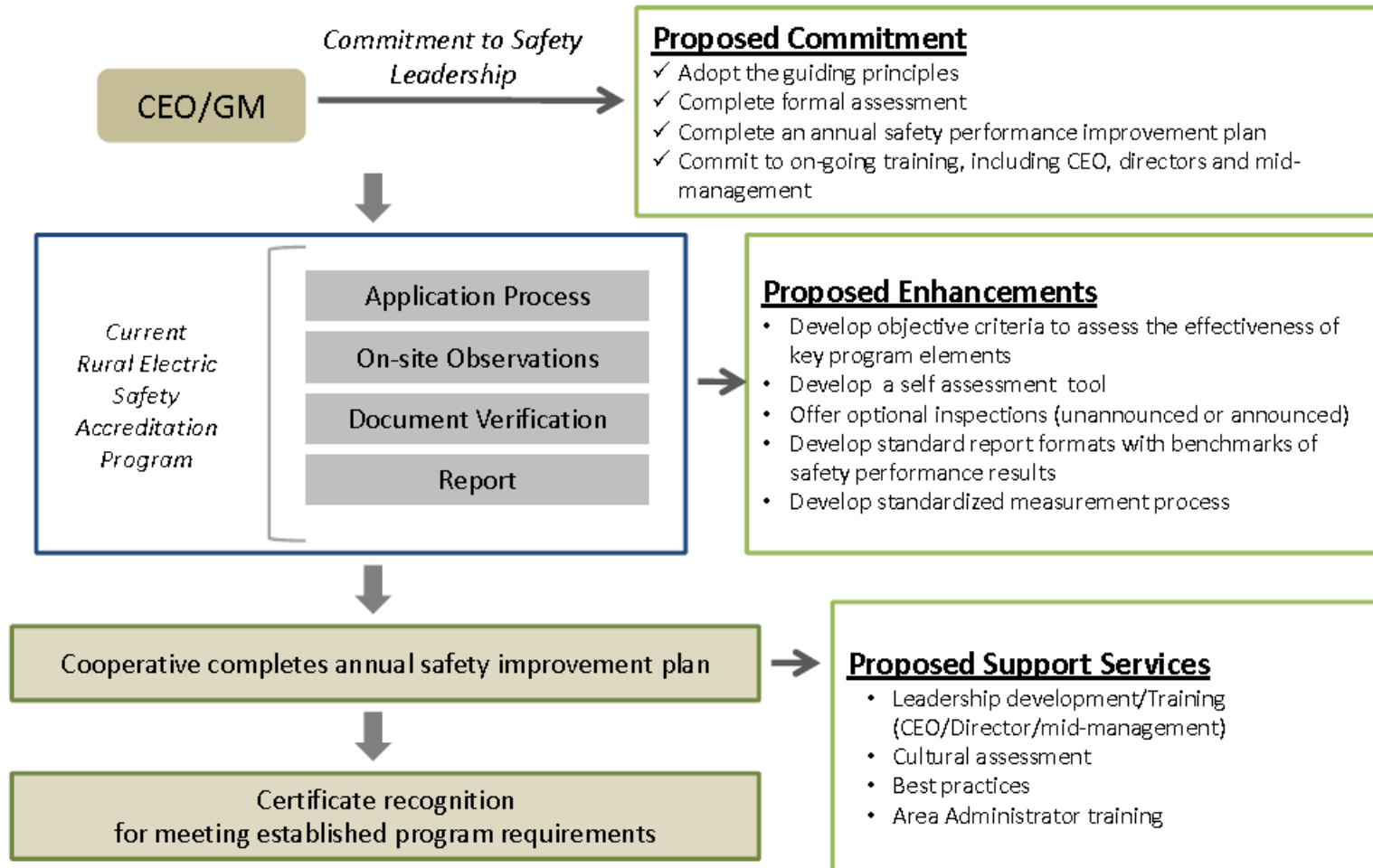
Overview of ANSI Z15.1 – Safe Practices for Motor Vehicle Operations

- ▶ **2.1 Accident.** an unplanned or unintended event or series of events that may: a) result death, injury, loss of or damage to a system or service: b) cause environmental damage; c) adversely affect an activity or function
 - Accident may include, but are not limited to, events such as:
 - ✓ Two vehicles coming in contact with one another
 - ✓ Single-vehicle crashes
 - ✓ An object falling on or from a moving motor vehicle
 - ✓ Fire starting in a moving motor vehicle
 - ✓ Weather-related incidents
 - ✓ Vehicle damage requiring a repair expense greater than \$1,000

2011 Participation Steps



A Framework for the Future



Overview of Implementation Scenarios

New Cooperative requests entry into the program 2011

1. CEO/GM makes commitment
2. Completes assessment (per existing procedures)
3. Completes safety improvement plan following assessment

Cooperative in the program due for assessment 2011

1. CEO/GM makes commitment
2. Completes assessment
3. Completes safety improvement plan following assessment

Cooperative in the program not due for assessment until 2012 - 2013

1. CEO/GM makes commitment in 2011
2. Safety improvement plan is not required until the future assessment is completed or has option to complete using previous assessment