

TSMO Steering Committee April 2024 Meeting

1 hour



April 16, 2024

Agenda

- Overview
- TSMO Position Recruitment
- Stakeholder Engagement Plan
- Capability Maturity Model Workshops
- TSMO Website
- ITE Mountain District Awards

Overview



Project Overview

TSMO Program

01

NDOT TSMO Program Plan is developed for placing TSMO into practice throughout the department.

02

The TSMO Program Plan Introduces a set of strategies that support the integration of TSMO into the planning process.

03

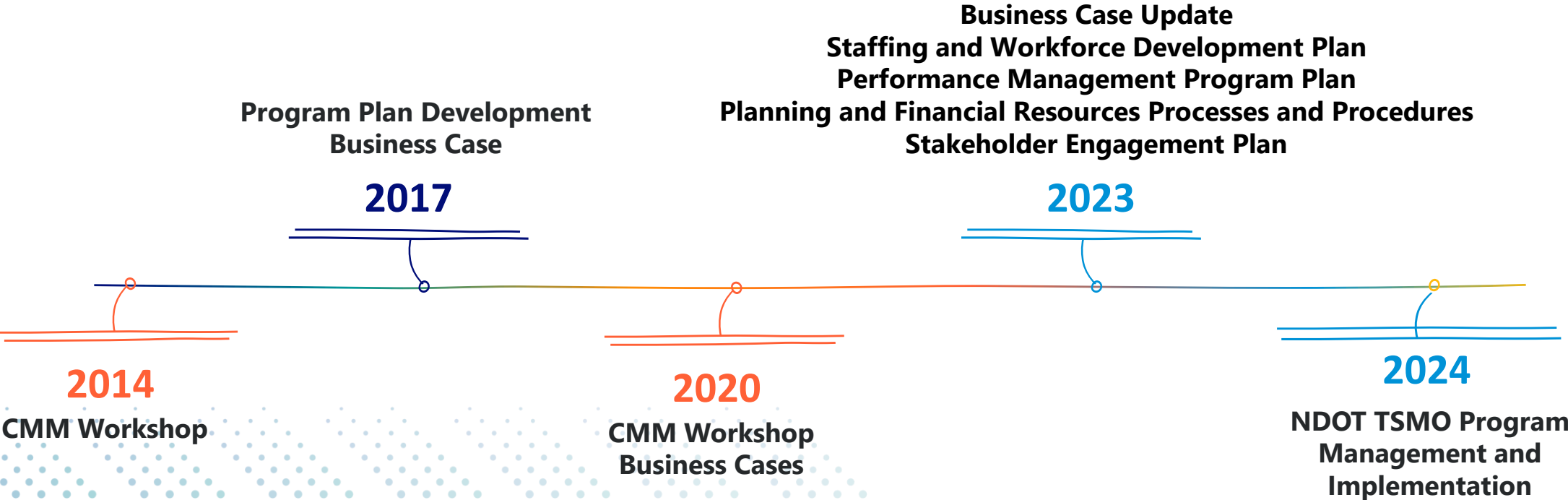
The TSMO Program Plan Consists of:

- **Strategic Elements:** Establish the overarching need, purpose, and framework for TSMO Program.
- **Programmatic Elements:** Provide detailed activities to implement NDOT's TSMO Program.
- **Tactical Elements:** Provide detailed TSMO activities, strategies, projects, and services that advance the TSMO Program objectives

04

This approach identifies users' specific needs, institutionalizes TSMO activities and mobility strategies, and introduces cost-effective solutions.

Timeline of Activities



Project Overview

The Associated Tasks

Stakeholder Engagement



- Virtual stakeholder meetings for general and project-specific TSMO Collaboration
- The meeting frequency is determined based on the stakeholders' feedback.

Capability Maturity Model (CMM)



- Two assessments in 2024 and 2027.
- In 2024, four In-person CMM Workshops will be held per district and HQ.

TSMO Program Plan Update



- Update of the components of the TSMO Program Plan based on:
 - State of the Practice
 - 2024 CMM Results
- Update of the Business Case

Performance Management



- Select the desired metrics based on the stakeholders' feedback and PMPP
- Develop a PM Dashboard and integrate it into the TSMO website
- Implement the RACI matrix to formally identify and communicate performance management roles and responsibilities
- Performance Management Training

Project Overview

The Associated Tasks



Workforce Development

- Recruit a TSMO Workforce
- TSMO Training
- Identify new TSMO Positions



TSMO Tools and Processes

- TSMO Evaluation Tool Integration
- TSMO Investment Prioritization Tool



TSMO Website

- Frequent management and maintenance of the NDOT TSMO Website



TSMO Video Campaign

- One main film (2 to 3 minutes)
- Short "Reels" (30 seconds to 1 minute)
- Bite-size clips:
 - Three 30-seconds
 - Three 15-seconds



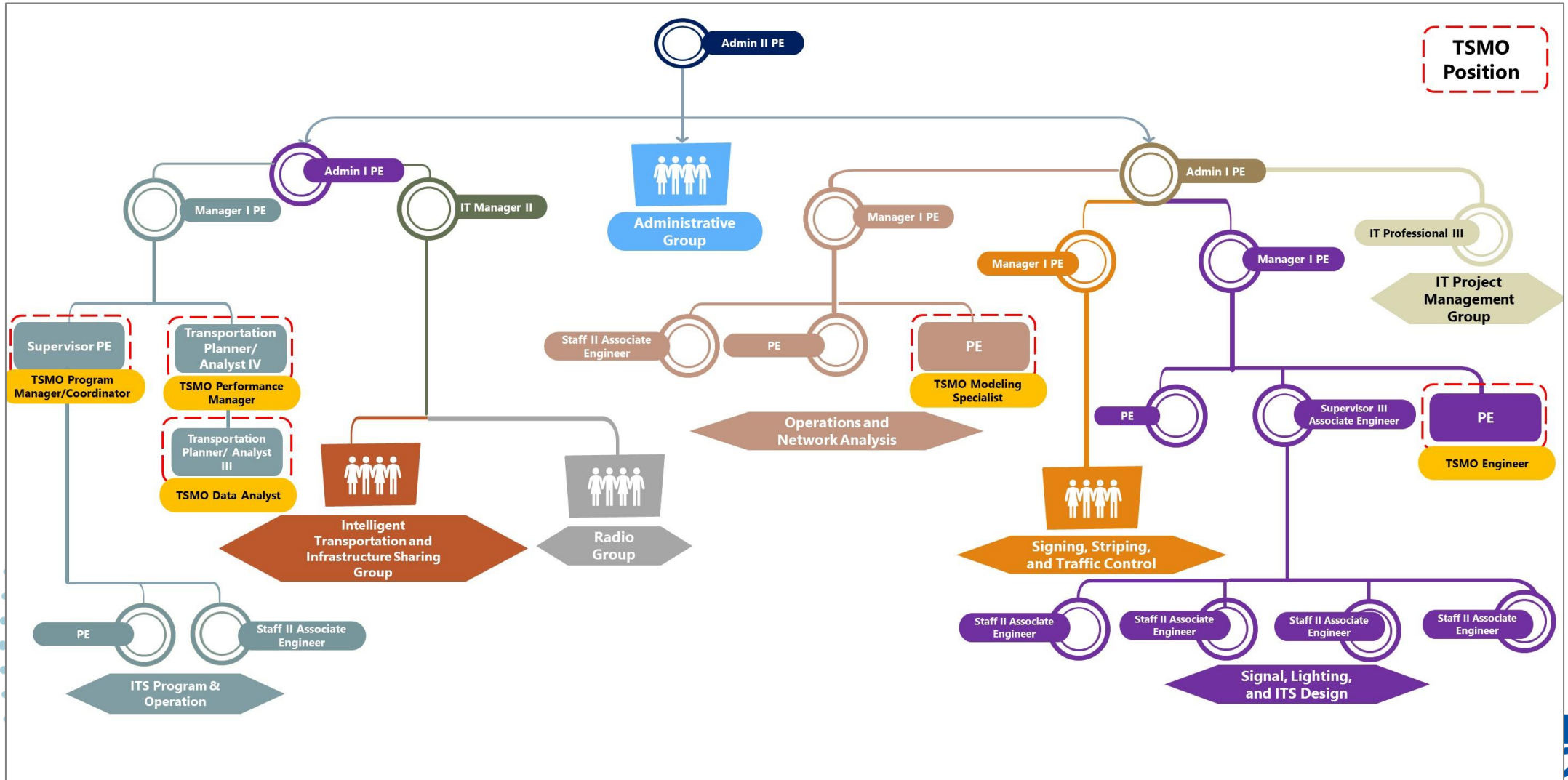
Outreach and Awards

TSMO Position Recruitment



TSMO Position Recruitment

Organizational Chart



TSMO Position

TSMO Position Recruitment

Roles and Responsibilities

TSMO Program Manager/Coordinator

- Assist NDOT by advancing TSMO culture, program leadership, program direction, and partnerships, while providing cross-dimension TSMO capability maturity improvements.

TSMO Performance Manager

- Responsible for identifying opportunities for the implementation of cost-effective solutions that will improve the safety, mobility, and reliability of the transportation system at a statewide level while focusing on maximizing existing capacity.

TSMO Data Analyst

- Responsible for developing predictive analytics and performance measures and will play a critical role in enhancing a performance-driven culture using real-time operation and long-term trend analysis.

TSMO Engineer

- Significantly impact the advancement of TSMO integration and implementation through Systems Engineering (SE) development, project evaluation, application of the latest systems and technology, and continual integration of change management.

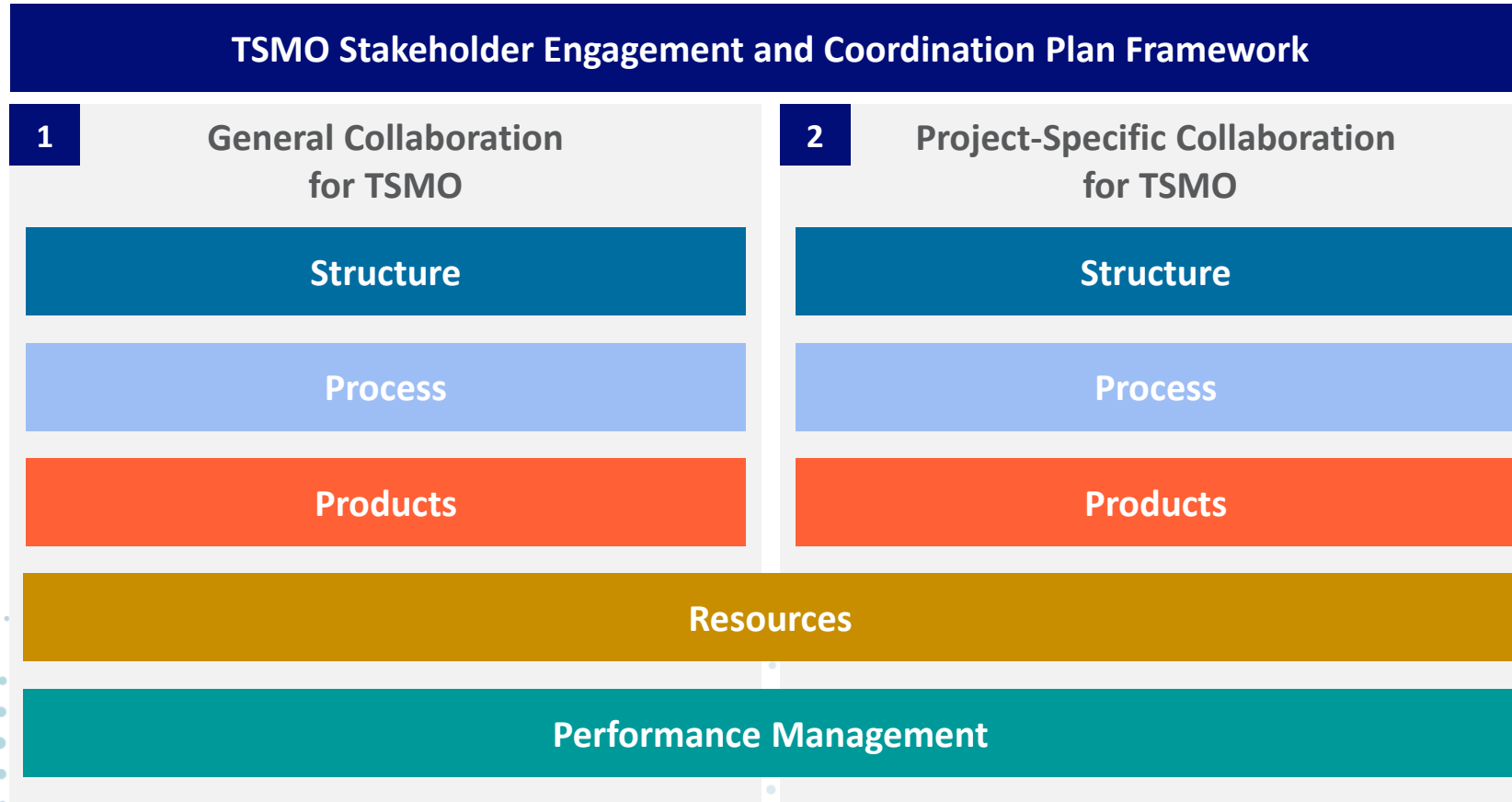
TSMO Modeling Specialist

- Advance planning for operations and assist in performing benefit-cost analysis to implement various TSMO strategies and allocate resources efficiently

Stakeholder Engagement

Stakeholder Engagement Plan

Collaboration Framework



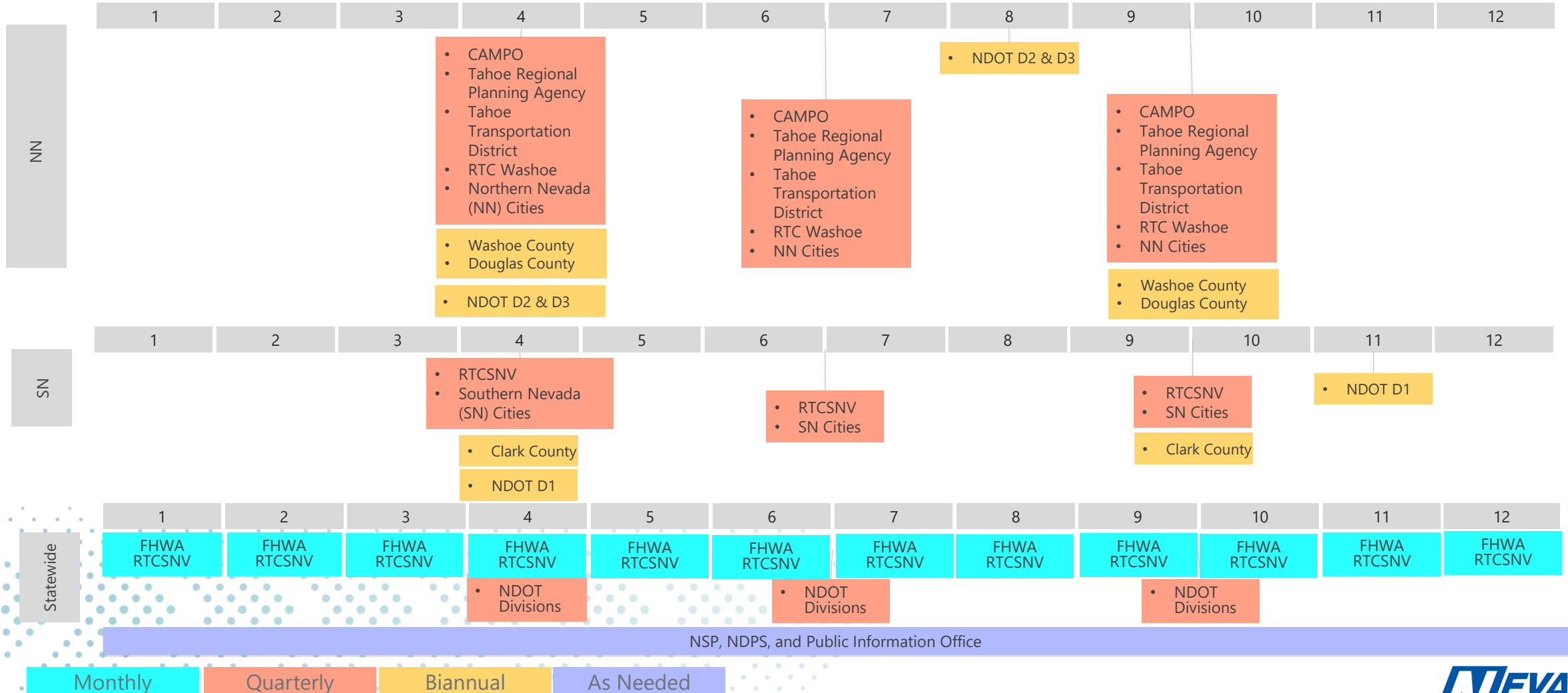
Stakeholder Engagement Plan

Proposed Meeting Frequency Based on the Stakeholder's Feedback

Frequency of Meeting	Stakeholder(s)
Monthly	FHWA, RTCSNV
Quarterly	NDOT Divisions (Traffic Operations, Planning, Design, Construction, Traffic Safety Engineering, Scoping, Human Resources, Maintenance and Asset Management, Environmental, and Project Management)
	MPOs (CAMPO, Tahoe Regional Planning Agency, Tahoe Transportation District, RTC Washoe, and RTCSNV)
	Cities (City of Henderson, City of Las Vegas, City of North Las Vegas, City of Reno, City of Sparks, and Carson City)
Biannual	Counties (Clark County and Washoe County)
	NDOT Districts (D1, D2, and D3)
As Needed	Nevada State Police (NSP) and Nevada Department of Public Safety (NDPS)
	Public Information Office

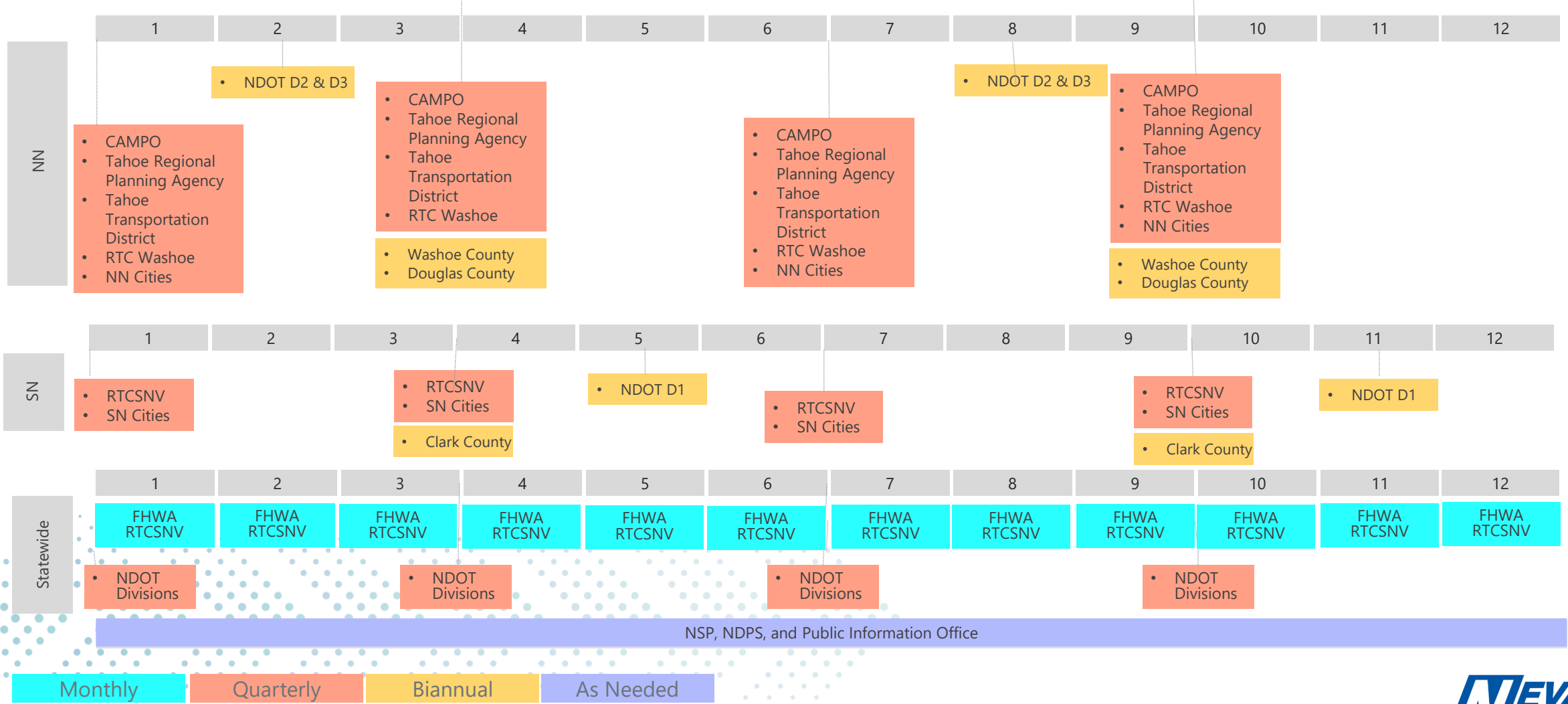
Stakeholder Engagement Plan

Proposed Meeting Schedule-2024



Stakeholder Engagement Plan

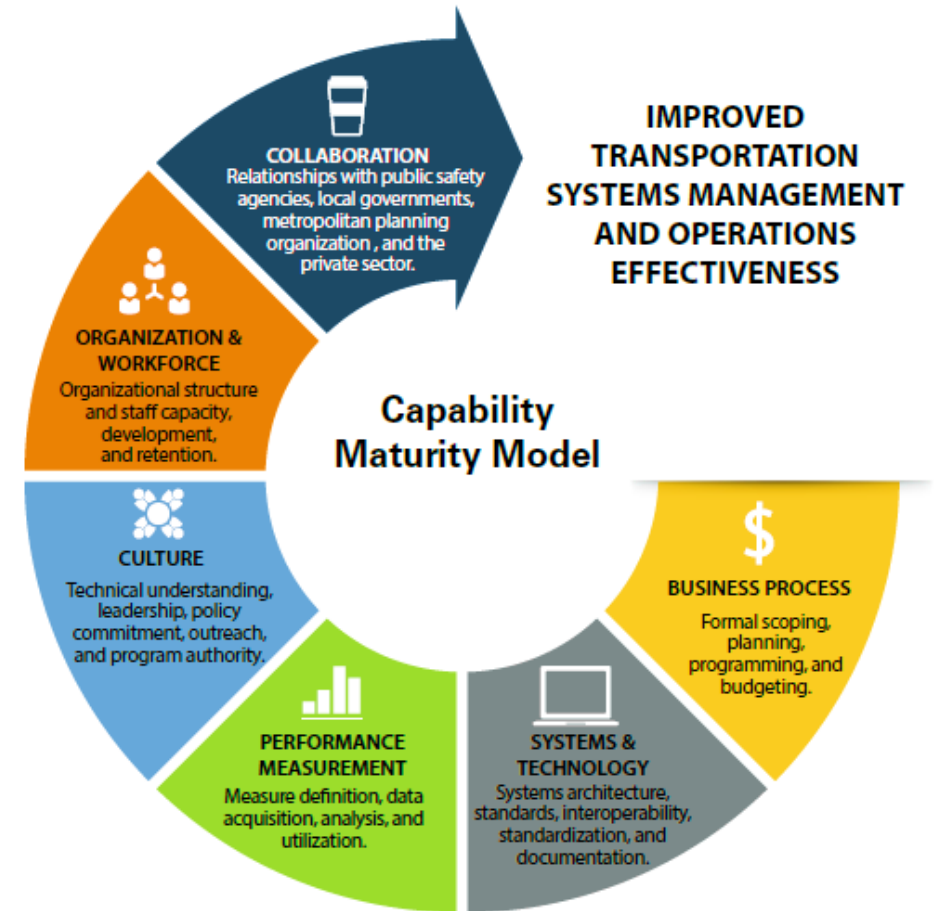
Proposed Meeting Schedule-2025 to 2027



Capability Maturity Model Workshops

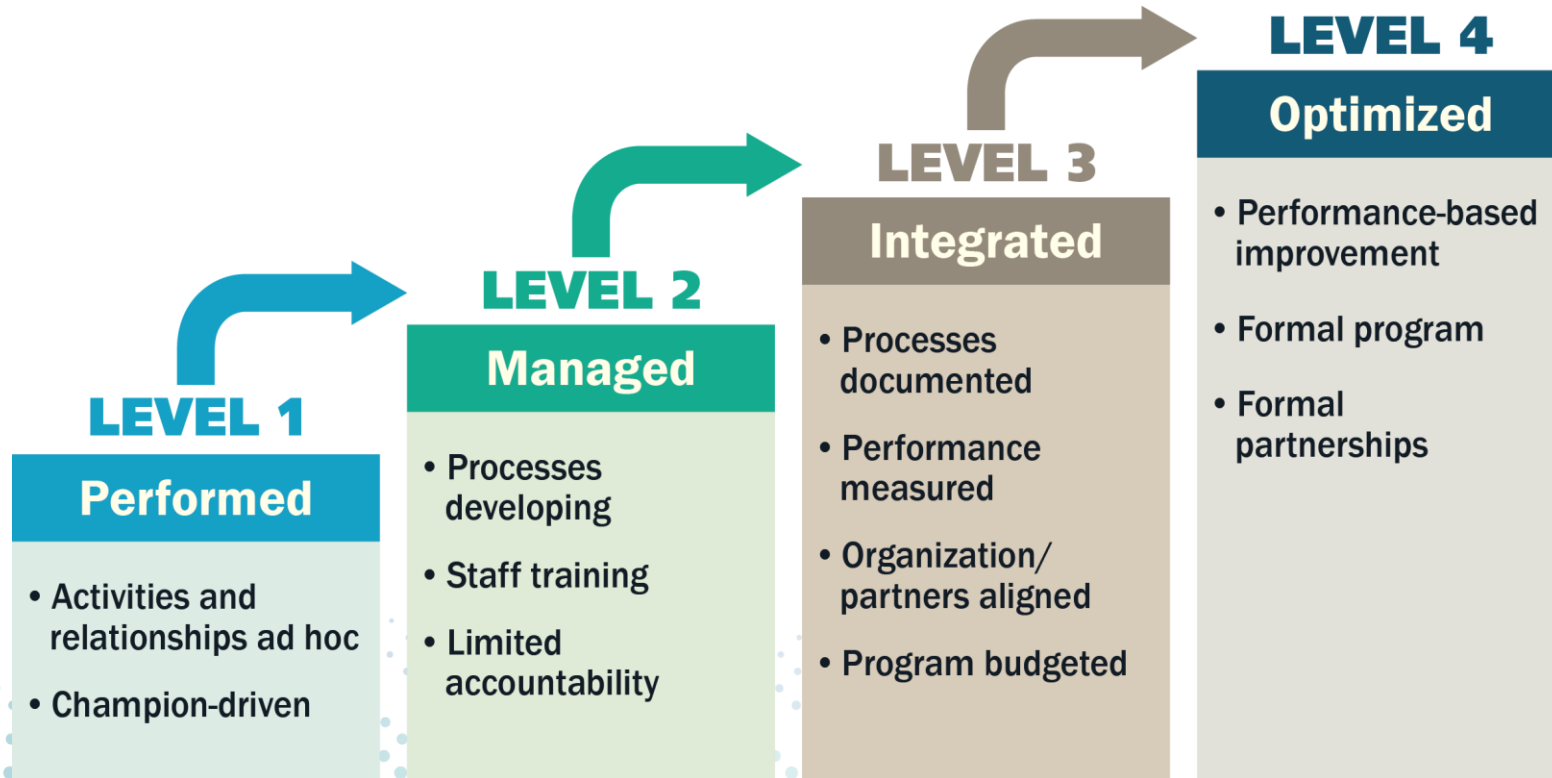
Capability Maturity Model

- ❖ **Purpose:** Assess existing performance and develop the path to improvement.
- ❖ The capability maturity framework rests on three tenets:
 - *Process matters*
 - *Prioritizing the right actions is important*
 - *Focus on the weakest link*



Capability Maturity Model

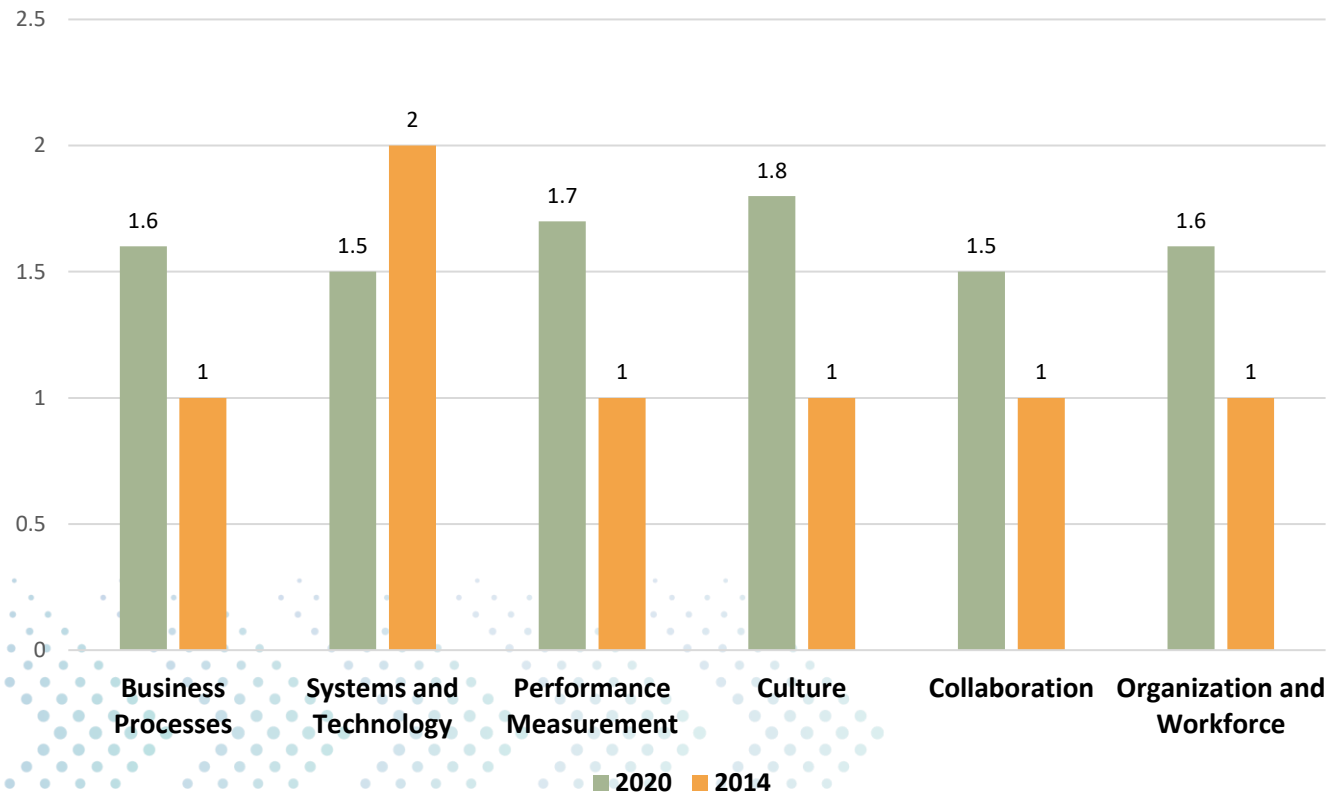
- ❖ Four levels of maturity through which an agency would progress in pursuit of TSMO implementation.



Capability Maturity Model

❖ NDOT has a target of Level 3 maturity by 2024.

Comparison of The CMM Assessment Results



Capability Maturity Model

2024 CMM Workshops

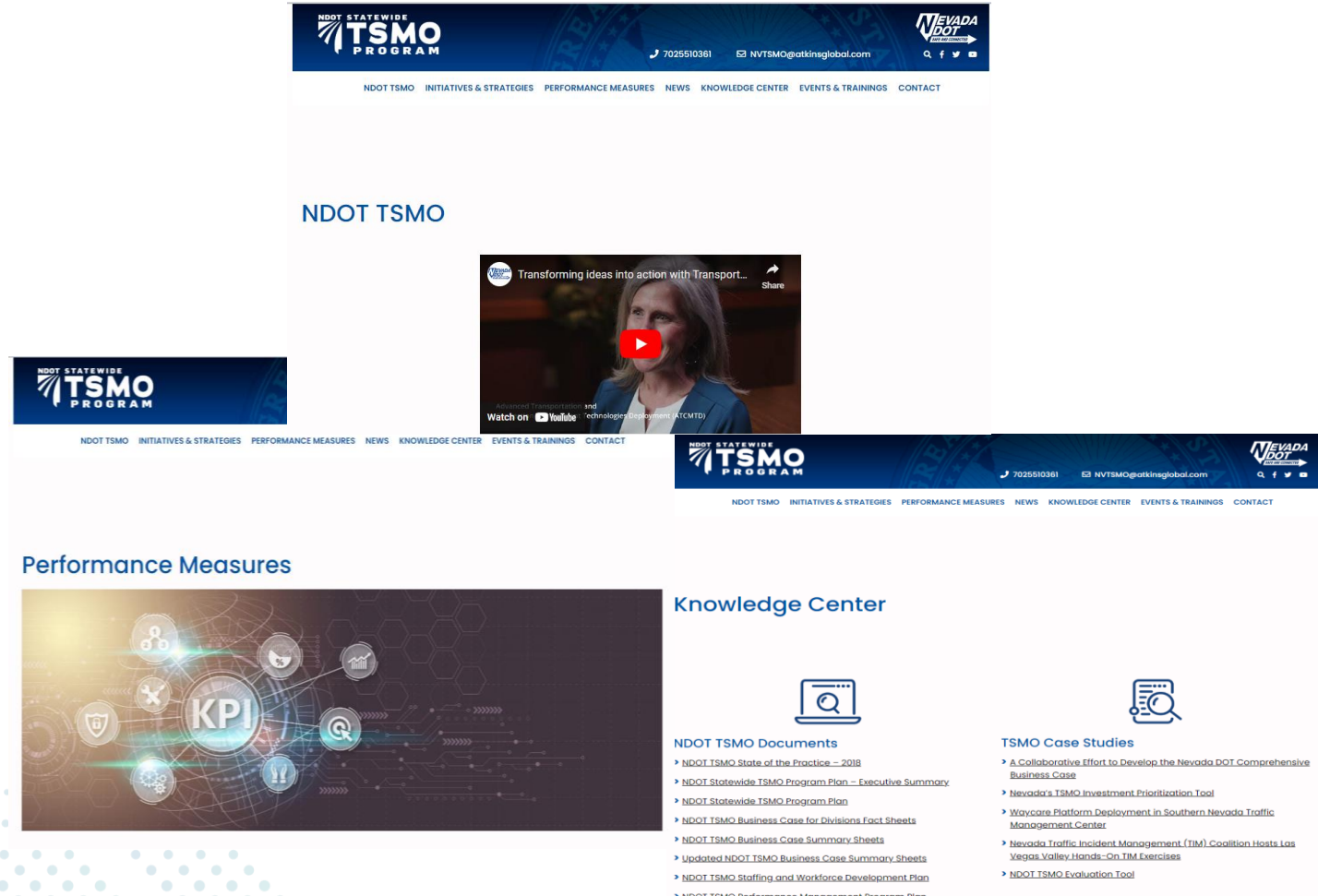
- Workshops:
 - Four In-Person Workshops
 - HQ
 - District 1
 - District 2
 - District 3
- Tentative Dates of the Workshops:
 - **May 15-May 23, 2024**

TSMO Website



TSMO Website

- ❖ The NDOT TSMO Website will be reviewed and updated frequently.
 - The current content will be enhanced.
 - Applicable TSMO content will be published on the website and appropriate social media platforms.
- ❖ The TSMO videos Will be shared on the NDOT TSMO Website.
- ❖ The TSMO Performance Management Dashboard will be integrated the Performance Management Tab of the NDOT TSMO Website.



ITE Mountain District Awards



ITE Mountain District Awards

- Nevada DOT was selected as the winner of the ITE Mountain District Transportation Achievement Award:
 - TSMO Category- Investment Prioritization Tool (IPT)
- Nevada DOT's second award in a row in the TSMO category at the Mountain District annual awards program.



Q & A





Thank You
<https://nvtsmo.com/>