

# NATF Vegetation Management Document Summary



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The NATF vegetation management library is a collection of documents, developed by NATF members, which describe effective and efficient vegetation management programs. This document provides summaries of selected documents available to NATF members as part of that library.

## Transmission Vegetation Management Plan Practices

Even though a transmission vegetation management plan (TVMP) is not required by current standards, a well-documented TVMP provides a program strategy and guidelines for staff. This document provides practices for developing a TVMP.

### Key Topics

- Developing a program strategy
- Legal and safety issues
- Inspection practices (See also NATF Vegetation Inspection Practices)
- Personnel qualification and training
- Annual work planning

## Vegetation Management Clearances

This document provides guidance for developing a company clearance philosophy to prevent encroachment into the Minimum Vegetation Clearances Distance (MVCD).

### Key Topics

- Factors to consider when developing vegetation clearance management strategy
- Defining clearance zones
- Determining clearance distances
- Specifying maintenance clearance
- Safety standards
- Substation perimeter clearance

## Vegetation Inspection Practices

This document describes vegetation inspection practices as part of an effective overall transmission vegetation management program.

### Key Topics

- Inspection frequency and timing
- Inspection types
- Inspector qualifications
- Inspection data management
- Quality control and post-inspection audits
- Managing hazard and danger trees

## Vegetation Management Handling Imminent Threats

This document is designed to help vegetation management staff develop a procedure for handling imminent threats as required by FAC 003-4 R4. The document describes the steps of a typical imminent threat management process.

### Key Topics

- Declaration of an imminent threat
- Communications between system operators and vegetation management staff
- Imminent threat mitigation
- Documenting imminent threat reporting and mitigation

## Vegetation Management Off Right-of-Way Hazard Trees

This document is designed to help vegetation management staffs develop a procedure for managing hazard trees. A hazard tree management program should include inspection of off right-of-way areas for hazard trees, training on the factors or characteristics that would qualify a tree as a hazard, and corrective actions to be taken when hazards are identified.

### Key Topics

- Hazard tree inspection types, frequency, and documentation
- Identifying and classifying hazards, including conditions to consider when classifying hazard trees
- Identifying corrective action when hazards are identified
- Hazard tree mitigation
- Personnel qualifications and training
- Easement rights and properly owner relations
- Implementation of corrective actions

## Vegetation Management Maintenance Techniques

This document describes various vegetation control techniques for maintaining transmission corridors. The objective of these practices is to create a stable and compatible vegetated community within and along the transmission corridor.

### Key Topics

- Establishment of vegetation action thresholds that initiate a control action
- Site evaluation and preparation for maintenance
- Floor control
- Edge control
- Control within restricted areas
- Hot spotting
- Mitigating fire threats to the facilities
- Safety

## Vegetation Management Work Quality Inspections

This document provides practices for performing and documenting work inspections as part of quality assurance and quality control programs.

### Key Topics

- When to perform work inspections
- Preparing for inspections
- Types of work quality inspections
- Documenting inspections
- Actions to correct discrepancies
- Final work quality assessment
- Inspector qualifications
- Sample inspection check lists

## Vegetation Management Landowner Notifications

This document describes processes of notifying landowners of upcoming transmission vegetation management activities. Processes that establish and clearly communicate expectations and responsibilities promote efficient workflow, improve landowner relations, and ensure the safety of landowners and utility employees.

### Key Topics

- Notification processes, specifications, and expectations
- Forms of landowner outreach and public notifications
- Training for personnel who manage notifications
- Managing landowner refusals
- Example communications

## Vegetation Management Managing Work Constraints

This document gives practices for handling situations, such as landowner refusal, in which utility is prevented from performing vegetation work as planned.

### Key Topics

- Identifying and documenting locations where access for maintenance access is restricted
- Negotiating with landowners who restrict access
- Developing and documenting mitigation measures
- Adjusting future work plans

## Vegetation Management Program Metrics and Analytics Practices

This practice document describes the use of metrics and analytics as part of a mature utility vegetation management program. This document also identifies commonly-used program metrics. The metrics provided in this document are used to measure the performance of the vegetation management program in areas of safety, finance, performance, and operations.

### Key Topics

- List of metrics, descriptions, and benefits of tracking
- Program questions explored through analytics
- Data sources
- Analysis tools

## Vegetation Management Annual Work Plan

This document describes practices for developing and managing the annual work plan. Examples of a progress dashboard and report are provided in the appendix.

### Key Topics

- Elements and attributes of the annual work plan
- Developing the annual work plan
- Implementing the annual work plan
- Adjusting the annual work plan
- Documenting the annual work plan

## Vegetation Management Trained and Qualified Personnel

This document describes practices to help develop professional, trained, and qualified staff and contract personnel. This practice applies to personnel who perform vegetation management patrols, write work prescriptions, perform quality assurance / quality control inspections, and perform vegetation maintenance activities.

### Key Topics

- Licenses and certifications
- Qualified personnel
- Personnel training
- Validation of qualifications and training

## VM Work Management System Reference

Vegetation work management software combines multiple data sets and processes in a single software tool. This document guides vegetation managers through the process of planning, procuring, and implementing a vegetation work management system.

### Key Topics

- System features and requirements
- System interfaces
- Deployment of system
- Project checklist

## LiDAR Specification Reference Document

This document is a guideline for specifying LiDAR aerial survey services for vegetation management. Although the focus is vegetation management, the document encourages coordination with other departments, such as those responsible for line design and maintenance, to establish corporate requirements for LiDAR services. A sample LiDAR specification is included with the document.