

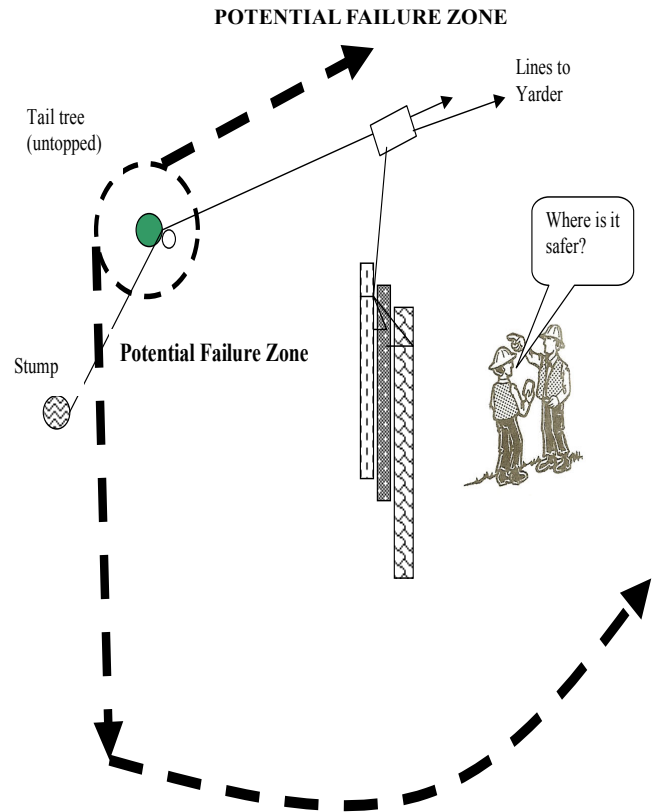
POTENTIAL FAILURE ZONE

Loggers need to be able to estimate where a position in the clear would be by identifying the potential failure zone of the operation, especially trees and rigging. The Potential Failure Zone is defined in the Safety Code as:

Potential failure zone – An area that could be impacted by the failure of any part of a standing tree anchor, tail or intermediate support tree as the result of forces or loads imposed on the tree by guylines, running lines or skylines. The boundaries of the zone encompass the area into which the tree, or parts of the tree, could fall, slide or roll and all trees, logs, lines and material impacted by the tree failure.

Working Near Standing Tree Anchors, and Tail /Intermediate Support Trees.

- (1) Affected personnel must be notified of the potential failure zone of any tail tree, intermediate support tree and standing tree anchor.
- (2) The boundaries of the potential failure zone must be determined by a competent person.
- (3) The boundaries of the potential failure zone must encompass the area into which the tree or parts of the tree could fall, slide or roll and all trees, logs, lines and material that could be impacted by the tree failure.
- (4) Personnel must be in the clear of the turn and out of the potential failure zone of a standing tree skyline or running line anchor before lines are tensioned.
- (5) Personnel working around tail and intermediate support trees must be in the clear of the turn and out of the potential failure zone before lines are tensioned.
- (6) If the potential failure zone cannot be determined, personnel must move at least 1 1/2 tree lengths from the base of tail and intermediate support trees, and in the clear before lines are tensioned.
- (7) A competent person must instruct affected personnel in the safe work practices required for work activity in any potential failure zone. This instruction must identify the:
 - (a) Boundaries of the potential failure zone
 - (b) Potential for the boundaries of the failure zone to change when line pull and line angles change.
 - (c) Limitations or restrictions for entering or working in the potential failure zone.



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