

Fall Protection for Cell Towers/Poles/Rooftops

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21-Hour Philo Seminar
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Tower and Pole Cell Towers



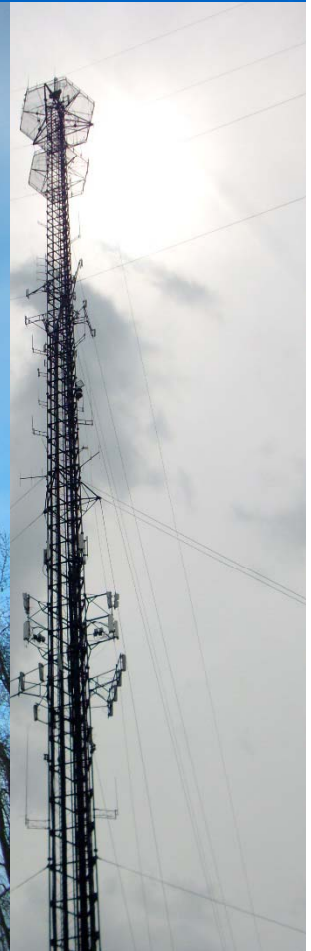
Guyed
Tower



Self-Supported
Tower



Monopole



Guyed
Tower

This Presentation you will learn:

The urgency to build more cell towers for 4G/5G mobile networks. Safety 50-1000ft

1. Features of Towers/Poles/Rooftops reduce falls
2. Features of fall equipment that reduce falls
3. Rules to increase fall protection reliability
4. USA Guidance: A10.48 Standard/NATE Hazard Recognition Guide/A14.3 Ladders/1910.268(e)

Video FRONTLINE PBS <http://www.pbs.org/wgbh/frontline/film/cell-tower-deaths/>

Wade Sarver reporting week of 8/30:

4 Fall Deaths 2016 (14 in 2014)

Request his newsletter on tower/pole accidents

Within a day he reports latest information

25 May 2016 Kentucky 100 ft tower fall

"Fell while descending" 19 year old Tyler Comer

"Stay attached 100%" is the reminder

wade4wireless.com

wirelessestimator.com

FCC/OSHA* meeting 11 Feb 2016

Owners eg Crown Castle, Amer. Tower, SBC, Verizon, etc

Contractors (turf vendors; many sub-specialities)

Trainers (TIRAP.org for tower apprentices 2015)

Climbers/Workers – must receive training!

*Federal Communications Commission
Occupational Safety & Health Administration

Issues for Tower Construction delay

1926.500.1 & .3
1926.104

Problem for owners
(carriers) with zoning
changes, limited space
or location



Rules for Tower Safety (JNE)

1. Fall Protection#1 – always first
2. No work unless fall protection is top to ground on the tower first
3. Fall protection to three faces has been pre-planned with minimal disconnections
4. Protect from RF

Owners:

Site Zoning and Permitting challenges:
Keep existing footprint option

Clearer Contracts with contractors & Subs

First job is to evaluate the permanent top
to bottom fall protection system

Design the anchors before starting work

Join ANSI A10.48 Tower Committee

Catskill Mtns NY

120 ft Tower Injurious 40 ft Fall in NY State

Fall Arrest System:

1. No interference with climb
2. Clear climbing path

