Revised Guidance on Various EC Notifications

SUMMARY

This utility bulletin is intended to provide updated guidance for creating EC notifications for pressure release shipping locks (or caps) found in active overhead transformers, woodpecker repair FDA, and guys loose adjust criteria. These updates are intended to clarify and revise the guidance specific to these items and will supersede the corresponding sections in the Overhead Assessment job aid (OHJA). All other instructions within the OHJA remain unchanged and should continue to be followed as outlined.

Level of Use: Informational Use

AFFECTED DOCUMENT

TD-2305M-JA02, “Electric Distribution Overhead Inspection Job Aid”

TARGET AUDIENCE

- Electric Distribution personnel involved in maintaining distribution line facilities
- System Inspections managers, supervisors, specialists, clerical staff, and inspectors
- Centralized Inspection Review Team (CIRT)

WHAT YOU NEED TO KNOW

1 Pressure Release Shipping Locks (or Caps)

Having a shipping locking in place on an in-service transformer disables the IFD (internal fault detector) from actuating, making it unable to indicate to the Troubleman or crew member on site when an internal failure was to happen. It also prevents venting.

1. In service overhead transformers that are found with pressure release shipping locks still in place shall have a Priority X notification created to get the shipping locks removed.

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2 Woodpecker Repair FDA

The photo example on page 58, titled: “Woodpecker Damage 1-3 inches,” in the Overhead Job Aid is INCORRECT. Please *disregard this photo* and refer to the Woodpecker process flow (page 52) within the OHJA for appropriate guidance.

WOODPECKER DAMAGE 1-3 INCHES



At this Location: The sum of the holes are less than 9 inches. Woodpecker holes are not within 2 inches from attachment hardware.

Perform Minor Work: No

Write 3rd Party Notification: No

Write EC Notification: Yes

FDA= Pol

Priority=

INCORRECT – DO NOT USE

REFER TO PROCESS FLOW

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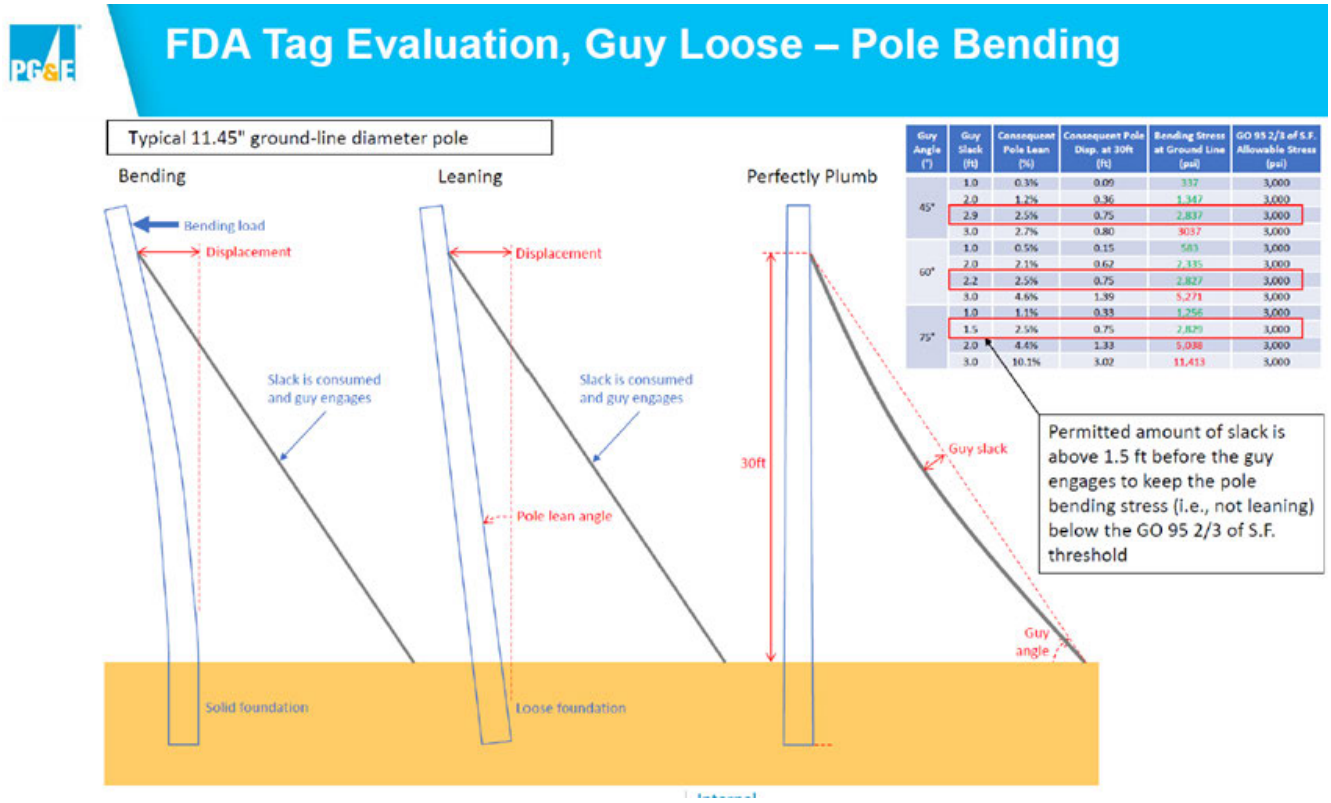
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3 Guy Loose Adjust

The original assessment to determine the acceptable slack on the guy was only looking at a leaning pole scenario, in this scenario the stresses (e.g., bending of pole due to overload) was not considered. ATS has updated the assessment to consider the overload scenario, **the bending scenario gives us the limiting slack value, which is at 1.5-foot of slack (worst-case) in all the pole class/lengths evaluated.**

1. Therefore, only write up Guy-Loose-Adjust compelling condition as an “F” priority notification when there is 1(one) foot of slack or greater (this adds .5 foot of buffer on top of the worst-case calculated slack).

For more details, see ATS Report # 006.4.2-23.9.



Guy Angle (°)	Guy Slack (ft)	Consequent Pole Lean (%)	Consequent Pole Disp. at 30ft (ft)	Bending Stress at Ground Line (psi)	GO 95 2/3 of S.F. Allowable Stress (psi)
45°	1.0	0.3%	0.09	337	3,000
	2.0	1.2%	0.36	1,347	3,000
	2.9	2.5%	0.75	2,837	3,000
	3.0	2.7%	0.80	3037	3,000
60°	1.0	0.5%	0.15	583	3,000
	2.0	2.1%	0.62	2,335	3,000
	2.2	2.5%	0.75	2,827	3,000
	3.0	4.6%	1.39	5,271	3,000
75°	1.0	1.1%	0.33	1,256	3,000
	1.5	2.5%	0.75	2,829	3,000
	2.0	4.4%	1.33	5,038	3,000
	3.0	10.1%	3.02	11,413	3,000

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INCLUSION PLAN

The change described in this bulletin will be incorporated into the next revision of TD-2305M-JA02, “Electric Distribution Overhead Inspection Job Aid”

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