Individual – A2.3 PHASE CLIP IN
Angle Pole Phase Transfer and Tie

Mean Time = 9 minutes ~ Dead Time = 13 minutes

Event Description: The object of this event is to transfer the primary phase from the rollers to insulators and tie in with pre-form ties, on a 40-foot, A2.3 with two pole top pins with pin rollers mounted on them. The neutral will be tied in and bonded to the pole ground. The participant will remove the wire, change the rollers to c-neck insulators, and tie the phase conductor onto the side of the insulators. (see attached diagram A2.3 (A2)), 1/0 ACSR phases and 1/0 ACSR neutral.

Basic Outline:

1. The line will be simulated de-energized and grounds will be installed.
2. Equipment can be attached to the handline or other device during set-up time.
3. Competitors will start the event with tools on.
4. Time starts at the judge's signal of ready, set, go.
5. The competitor will ascend the pole with a handline and material needed on their belt or tied onto their handline.
6. The wire will be removed from the rollers
7. Rollers swapped out to insulators
8. Wire will be laid on the outside of the insulators and tied in
9. Time will stop when the lineman's first foot hits the ground.
10. Lineman shall provide their own hand tools, and 1 handline.
11. Judging will continue until all material is put back on the tarp

Possible Deductions (2 pts.):

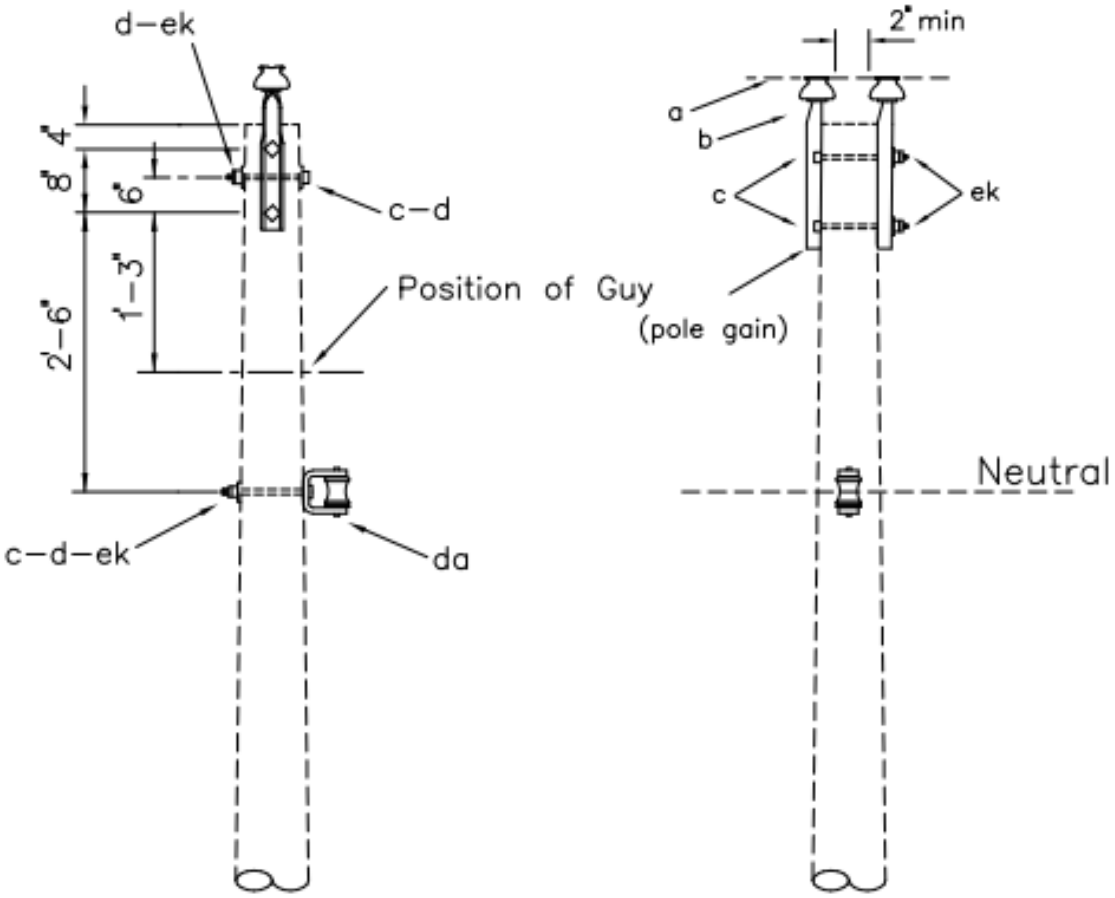
1. Infractions of any rules listed in the General Rules
2. Improper securement of wire when transferring.
3. Improper installation of the pre-form tie.
4. If any items are dropped and fall to the ground.

Materials and equipment furnished

1. Lineman will provide tools for tasks, it may include a material bucket, and 1 handline for this event.
2. All material for the event will be furnished.

Other Notes

1. Insulators will be plastic c-neck.
2. The ties will be pre-form ties (2 side ties for the primary).



ITEM	QTY	MATERIAL
a	2	Insulator, pin type (12.47/7.2 kV)
b	2	Pin, pole top
c	4	Bolt, machine, 5/8" x req'd length
d	3	Washer, square, 2 1/4"
da	1	Bracket, insulated
ek	4	Locknuts

DESIGN PARAMETERS:

See TABLE III

DOUBLE SUPPORT

APRIL 2005	1 – PHASE PRIMARY	
RUS	12.47/7.2 kV	A2.3 (A2)