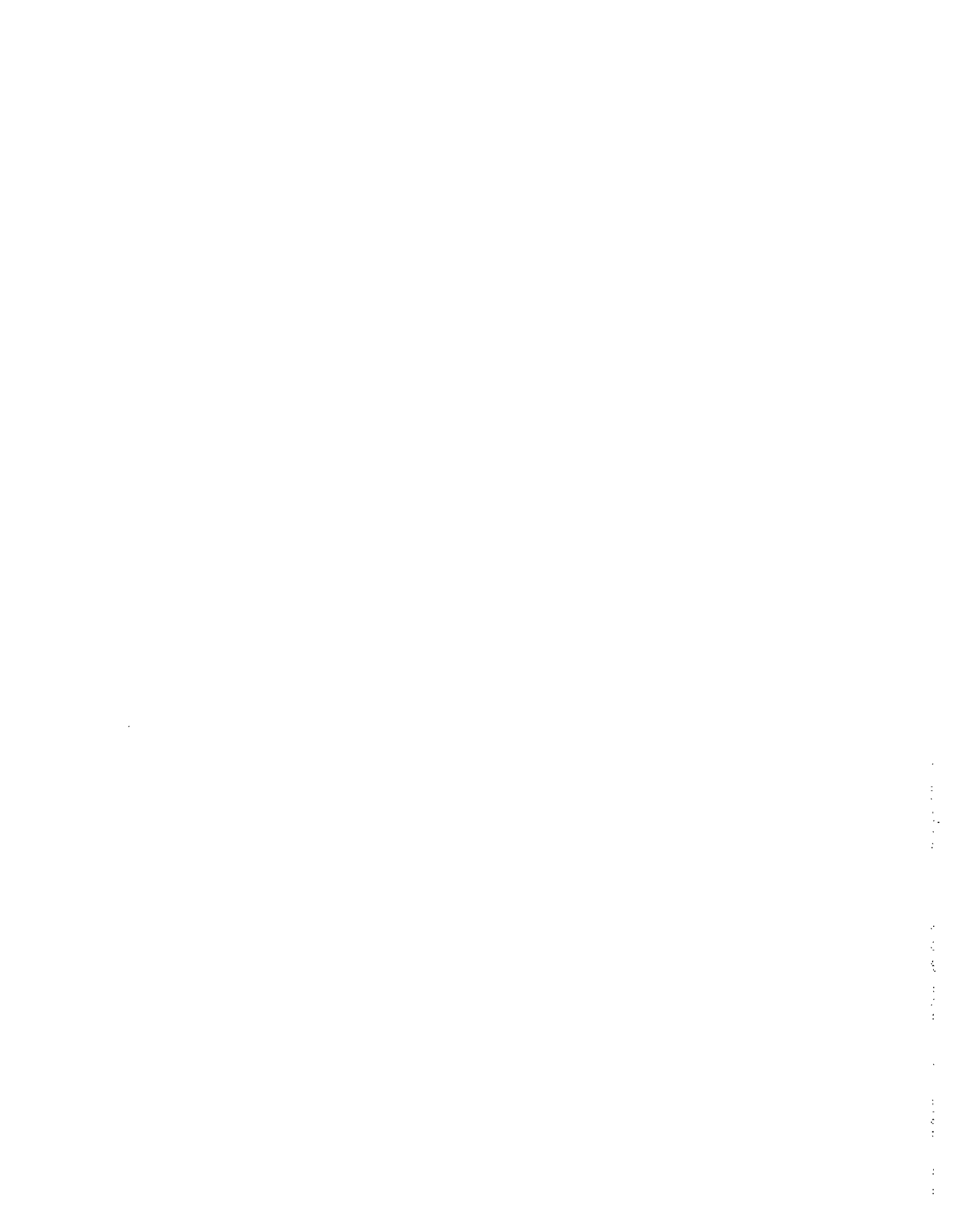


TLL SYMBOLS CHART



# Appendix A : DIS Symbology Charts













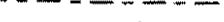








# TU DIS SYMBOLOGY

## STRUCTURES

- ⊕ TU 30' wood pole (yellow)
- TU 35' wood pole (yellow)
- ⊗ TU 40' wood pole (yellow)
- ⊗ TU 45' wood pole (yellow)
- ⊗ TU 50' wood pole (yellow)
- ⊗ 55 TU other height wood pole (yellow)
- TU non-wood pole (yellow)
- \* Foreign owned pole (yellow)
- ⊠ Transmission structure (yellow)
- Miscellaneous structure (cyan)
- ◇ TU primary pull box (yellow)
- ◇ Foreign primary pull box (cyan)
- ⊔ TU primary subsurface box (yellow)
- ⊔ Foreign primary subsurface box (cyan)
- Connection enclosure (yellow)
- ⊠ Secondary box below grade (yellow)
- ⊠ Secondary box above grade (yellow)
- ▬ Vault (yellow)
- ⊙ Manhole (yellow)
- ▬ Pad (yellow)
- ⊠ TU street light standard (yellow)
- ⊠ Foreign street light standard (cyan)
- ★ Substation (red)
- ⊠ UG junction point (yellow)
















# TU DIS SYMBOLOGY

## CONDUCTORS

	OH Primary 3 phase or primary buss ( <5 KV=brown, 5-24 KV=orange, 25 KV> =green )
	OH Primary 2 phase ( <5 KV=brown, 5-24 KV=orange, 25 KV> =green )
	OH Primary 1 phase ( <5 KV=brown, 5-24 KV=orange, 25 KV> =green )
	Neutral ( blue )
	UG Primary 3 phase ( <5 KV=brown, 5-24 KV=orange, 25 KV> =green )
	UG Primary 2 phase ( <5 KV=brown, 5-24 KV=orange, 25 KV> =green )
	UG Primary 1 phase ( <5 KV=brown, 5-24 KV=orange, 25 KV> =green )
	Secondary conductor or buss ( blue )
	Street light ( pink )
	OH service ( cyan )
	UG direct bury service ( cyan )
	UG service in conduit ( pink )
	Communication cable ( blue )
	Control cable ( blue )
	Foreign conductor ( cyan )
	Substation buss ( red )
	Conductor tap ( = to conductor )
	Conductor splice ( = to conductor )
	Conductor jumper - no connection ( = to conductor )
	Conductor change ( = to conductor )
	Circuit opening ( = to conductor )















# TU DIS SYMBOLOGY

## TRANSFORMERS

-  OH or UG closed - single phase or unknown  
( OH = white, UG = red )
-  OH or UG closed - open wye open delta  
( OH = white, UG = red )
-  OH or UG closed - delta delta  
( OH = white, UG = red )
-  OH or UG closed - delta wye  
( OH = white, UG = red )
-  OH or UG closed - wye wye  
( OH = white, UG = red )
-  OH or UG closed - wye delta  
( OH = white, UG = red )
-  OH open delta open delta ( white )
  
-  UG open - single phase or unknown ( green )
-  UG open - open wye open delta ( green )
-  UG open - delta delta ( green )
-  UG open - delta wye ( green )
-  UG open - wye wye ( green )
-  UG open - wye delta ( green )
  
-  Auto transformer ( white )
  
-  Substation transformer ( red )

# TU DIS SYMBOLOGY

## SWITCHING DEVICES

	Closed switch (red)
	Closed disconnect (red)
	Closed vacuum switch (red)
	Closed breaker (red)
	Closed feed thru device (red)
	Closed fuse position (purple)
	Open switch (green)
	Open disconnect (green)
	Open vacuum switch (green)
	Open breaker (green)
	Open feed thru device (green)
	Open fuse position (purple)
	Padmounted switch gear (grey, individual devices as defined)
	Automatic transfer switch gear (grey, individual devices as defined)

# TU DIS SYMBOLOGY

## DEVICES



Recloser  
( < 5 KV = brown, 5-24 KV = orange, 25 KV > = green )



Regulator  
( < 5 KV = brown, 5-24 KV = orange, 25 KV > = green )



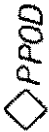
Capacitor  
( < 5 KV = brown, 5-24 KV = orange, 25 KV > = green )



Reactor ( white )



Surge arrester ( grey )



Primary point of delivery ( grey )



Customer owned generation ( grey )



Fault indicator ( grey )













Electronic marker ( grey )




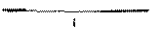



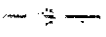






# TU DIS SYMBOLOGY

## LIGHTING

-  Incandescent  
( TU=pink, foreign=cyan, area light=blue )
-  High pressure sodium  
( TU=pink, foreign=cyan, area light=blue )
-  Mercury vapor  
( TU=pink, foreign=cyan, area light=blue )
-  Flourescent  
( TU=pink, foreign=cyan, area light=blue )
-  Metal halide  
( TU=pink, foreign=cyan, area light=blue )
-  Aviation obstruction  
( TU=pink, foreign=cyan, area light=blue )
-  Street light control  
( TU=pink, foreign=cyan, area light=blue )
-  Multiple street light ( pink )
-  Guard light ( blue )
-  Flood light ( blue )

# TU DIS SYMBOLOGY

## MISCELLANEOUS EQUIPMENT

-  Down guy (*brown*)
-  Span guy (*brown*)
-  Rack (*brown*)
-  Secondary riser (*tan*)
-  Primary riser (*tan*)
-  Conduit - structure to structure (*green*)
-  Conduit - Non-structure to structure (*green*)
-  Duct bank (*green*)
-  Vault protection system (*blue*)
-  Vault ventilation system (*blue*)
-  Detail drawing (*blue*)
-  NOTE Primary and secondary note (*grey*)