Example Information Needed for High Energy Arc Fault (HEAF) Equipment Donation

The following example has been provided in order to standardize the collection of applicable information to ensure consistency with donated equipment for the OECD HEAF project.

1. General Information

Equipment	Provide a complete itemized list of each piece of equipment to be donated (also provided in OECD agreement equipment matrix)
Complete Description	Provide a complete description of the equipment to be donated. This description should include; • Equipment specifics i.e. equipment manufacturer cut sheets or spec sheet &Equipment Manual (if possible) (example provided as Attachment 1) • Size, Dimensions and Weight of equipment to be donated • Pictures of Equipment and Equipment nameplate (if available)
Serial Numbers	Provided equipment serial numbers if applicable
Shipping information	Provide all relevant shipping information for equipment to National Institute of Standards and Technology (NIST). This description should include • Transportation Method • Port of Departure/Port of Entry • Vessel information (if by boat) • Estimated timeline/ dates expected
Shipping Address	National Institute of Standards and Technology 100 Bureau Drive Building 301, Room B185 Gaithersburg, Maryland, USA 20899 Attn: Laurean DeLauter
Equipment Access	If the switchgear has the capability to be locked, ensure that all keys and locking mechanisms will are accounted for so Customs can readily inspect all equipment

If you have any additional information that will be applicable to the donated equipment feel free to contact

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2. Attachment 1. Sample Spec Sheet



GE Network Transformers - Guide Form Specifications

Rating Three phase Oil-immer 55/65C Ri		Options Low voltag Primary en Primary en
Select one 300kVA 500kVA 750kVA	1000kVA 2500kVA 1500kVA *3000kVA 2000kVA *step only	Primary en Hand Hole Ship can of Provide pha Provide vie
	Vault Type [above ground – dry vaults]bway Type [below or above ground]	Provide spe Provide lov Provide the Provide Qu
	[primary voltage — max 34.4kV - 200BIL] - specify voltage - Delta Wye	Network T Ne ANSI C57. equivalent
Primary taps	[tap changer for de-energized operation only] :: None	Co Ta GE uses a s for added c bushings, a thermomete
	[secondary voltage – max step BIL is 95kV] 216GrdY/125 volts	austenitic s equivalent. Al designation be in accor American N Distribution
Standard sol	[neutral connection] idly grounded low-voltage neutral blade v-voltage neutral bushing	C T I
3 position Dea Ma	orimary disconnect and grounding switch-3 pole, a, electrically interlocked-closed/open/grd. feeder] ad Breakg-Break [break magnetizing current only]	S T Su frequent/co the corrosio
Esna 200A v Esna 600A b Esna [specif Wipe sleeve Stuffing box	orimary cable entrancespecify cable size] vells, K1601, with hold down bracketw/o. vells, K600T1	application density load Transforme Ve vaults with radiators w steel. Typic large office Network Sv

Ontione

ge bushings bolted not welded..... ntrance bolted not welded..... ntrance on tank cover not terminal chamber...... ntrance on front not top of chamber..... welded (ANSI) not bolted..... of terminal chamber compound with unit..... nasing probe openings..... lewing window for primary switch..... pecial interlock scheme [specification required]...... w voltage junction box [specify terminations]...... ermometer with alarm contacts [specify]..... ualitrol Relief [208-60, 10psi] on cover.....

Transformers:

Jetwork Transformers are designed in accordance with 7.12.40 and constructed with the corrosion resistance of copper-bearing steel:

Cover and Base 0.50in thick

ank wall and housings 0.312in thick special Network Transformer paint system corrosion resistance. Welded main cover, subbase, and liquid level gage are standard. Other valves, plugs, ter, etc are sealed threads. External hardware is stainless steel, silicon bronze or the functional The finish is black and conforms to C57.12.32.

All characteristics, definitions, terminology, and voltage ns and tests, except as otherwise specified herein, shall rdance with the latest revisions of the following National Standard Terminology, and Test Code for on, Power, and Regulating Transformers:

General Requirements C57.12.00 (IEEE Std 462) Terminology, C57.12.80 Test Code, C57.12.90 Loading, C57.92.19 Separable Connectors, IEEE Std 386

Terminal Markings and Connections, C57.12.70 Finish, C57.12.32

ubway Type Network Transformers are designed for ontinuous submersion and use flat panel radiators with ion equivalence of 0.312 copper-bearing steel. Typical n is grid-type secondary network systems to serve high ad areas of cities. The Subway Type Network ner may also be used in dry vault applications if desired.

Vault Type Network Transformers are designed for dry h occasional submersion using lighter weight panel with the corrosion equivalence of 0.093 copper-bearing ical applications are skyscrapers, high rise apartments, e or manufacturing facilities where the reliability of a Network System is required.

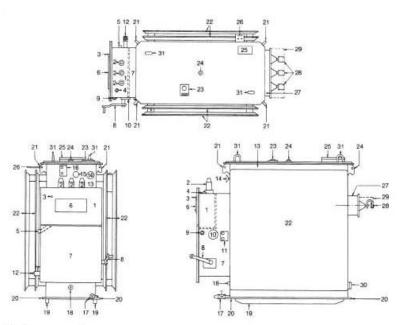


GE Industrial Systems

GE Commercial Transformer 7000 Bert Kouns Industrial Loop, Shreveport, LA 71129-3008 www.GEindustrial.com

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GE Network Transformers - Guide Form Specifications



Standard Accessories

- 1.TERMINAL CHAMBER (with clamp terminals for No. 2-250 MCM conductor connection to switch)
- 2. H-V wipe sleeve(s), stuffing box(s), or bushings
- 3. Vent and level plug (1/4 inch brass at 25 C level)
- 4. Filling plug (1-inch brass NPT) 5. Drain nipple (1-inch brass NPT)
- 6. Diagrammatic nameplate
- 7. H-V SWITCH
- 8. Switch handle
- 9. Filling plug (1-inch brass NPT)
- 10. Welded-on magnetic liquid-level indicator
- 11, Liquid sampler and air test (two 1/2 - inch NPT openings at 85 C and 10 C level with two 1/2 inch Belknap No. 994 valves in air test opening)
- 12. Drain Valve and pipe plug (1 inch
- 13. TRANSFORMER TANK

- (wall 5/16 inch thick; cover and base 1/2 inch thick)
- 14. Thermometer with sealed tube (dial type without alarm contacts)
- 15. Welded on magnetic liquid level indicator
- 16. Liquid sampler and air test (two 1/2 - inch NPT openings at 85 C and 10 C level with two 1/2 - inch Belknap No. 994 valves in air test opening)
- 17. Drain and bottom filter valve (1 - inch NPT)
- 18. Grounding pad (5/8 inch 11 tap
- by 1 inch deep)
 19. Subbase (two 1 ½ inch high bars welded parallel to long axis)
- 20. Jacking provision (3 inch clear space, 1 ½ inch high); jacking under 3/16 inch subway panels is permissible
- 21. Lifting lugs (with hole for attaching 1 – inch clevis)
- 22. Panel radiators (subway type 5/16 inch thick; vault type are stainless

- ste el equivalent corrosion resistance of 3/32 – inch copper-bearing steel)
- 23. Tap changer (operating knob under 2 – inch NPT brass plug for operation with standard 1 1/8 – inch T – type hexagonal socket wrench)
- 24. Filling plug and top filter-press
- connection (1 inch brass NPT) 25. Handhole (10 x 14 inch) for access to L-V neutral connection. Gasketed cover unless otherwise specified. Note: ANSI is welded
- 26. L-V neutral (welded to tank, blade with 9/16 - inch holes on 1 3/4 inch centers)
- 27. L-V flanged throat (for connection to protector)
- 28. L-V bushing terminals with flexible connectors
- 29. L-V bushing shipping guard
- 30. Support lugs for protector
- 31. Loops for lifting transformer cover



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