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Date: September 14, 2021

To: Operation Center
United States Nuclear Regulatory Commission (NRC)
Fax: (301) 816-5151

Subject: TE Connectivity – Part 21 Transfer of Information = TE-024

The intent of this letter is to inform the NRC of an issue noted with a TE Connectivity relay test procedure.

During MOC (Management of Change) review on 7/23/21, TE Connectivity discovered test load was unconnected to HI-POT tester for EGP/ETR series relays. TE's investigation found a connection remained loose after scheduled calibration testing on 12/30/2020.

This report serves to document TE's evaluation and the corrective action taken on this issue:

1. A search of TE's database finds no occurrences of Dielectric Withstand Voltage test failure at TE facility or similar failure with our customers in the field.
2. Many nuclear customers perform thorough inspections and testing prior to installing relays.
3. No customer history of EGP/ETR complaints of DWV failures found.
4. A series of corrective actions are now in place to guarantee full DWV testing to specification including:
 - A mistake proof Hi-Pot test fixture developed and installed.
 - Hi Pot test setup verification included as part of testing routine.

There have been no reported field failures for the identified impacted product. However, out of an abundance of caution TE will notify customers of the issue and the option to return any relays potentially related to this issue for retesting and recertification.

Attachment 1 contains complete EGP/ETR shipment history from 12/30/2020 to 7/26/2021.

Customers receiving recall notification may return relays potentially affected for verification of performance to specification.

Based on corrective actions in place and activities planned no additional action is considered necessary at current time.

If you have any questions related to this issue, the evaluation and/or the corrective actions, please contact me at the number listed above.

Sincerely,

A handwritten signature in cursive script that reads 'Lucinda Hodge'.

Lucinda Hodge
Quality Assurance Manager



Attachment 1

Customer	Customer PO	Sales Order	Delivery No	TE PN	Prod Desc	QTY	Ship Date
Exelon Nuclear	00799820 Rev 001	3067181275	6062681191	1-1423176-6	EGPF004	19	1/6/2021
GE Nuclear Energy	437129474	3067143779	6062820130	3-1423177-3	ETR14D3BC2004004	2	1/11/2021
Dominion Nuclear Connecticut	4500623764	3066984557	6063176037	4-1423176-5	EGPCR004	2	1/22/2021
Exelon Business Serv	00638288 Rev 005	3067013844	6063255609	1-1423177-4	ETR14I3B004	2	1/25/2021
Entergy	10612790	3067994340	6063421367	1423177-4	ETR14D3B004	2	1/29/2021
Paragon Energy Solutions	PO001219 Rev 1	3067532872	6063491072	1-1423176-5	EGPDR02017004	74	2/1/2021
Tennessee Valley Authority	6471952	3067382735	6063522587	1423176-5	EGPBR004	2	2/2/2021
Northern States Power	4000017163 Rev 1	3067412719	6063581093	1-1423177-3	ETR14I3A004	2	2/3/2021
Northern States Power	4000017163 Rev 1	3067412719	6063581094	2-1423177-3	ETR14I3G004	2	2/3/2021
Nextera Energy Point Beach	02410285 Rev 001	3065345774	6063861880	1423177-7	ETR14D3D004	2	2/12/2021
Exelon Business Services	00799591 Rev 001	3067641393	6063888388	1423176-7	EGPDC2004004	5	2/15/2021
Nextera Energy Point Beach	02420325 Rev 001	3068629258	6065924329	1423177-7	ETR14D3D004	4	4/20/2021
GE Nuclear Energy	437130775	3068728162	6065894223	1-1423176-9	EGPIC2004004	8	4/20/2021
Exelon Nuclear	00808848 Rev 001	3068728173	6066223229	1423177-4	ETR14D3B004	4	4/28/2021
Detroit Edison	4701533243 Rev 1	3070171062	6067118041	1-1423176-7	EGPI004	25	6/1/2021
Nextera Energy Point Beach	02421137 Rev 001	3069077667	6067233058	1-1423177-5	ETR14I3D004	2	6/2/2021
Entergy Operations Inc	10629989	3069009753	6067233055	1423176-1	EGPB004	16	6/4/2021
Florida Power & Light	2421200	3069106130	6067118057	1423176-6	EGPD004	3	6/4/2021
QualTech NP	CP00017671	3069557504	6067118048	1-1423176-7	EGPI004	7	6/11/2021
Exelon Business Serv	00810715 Rev 001	3069107914	6067658248	3-1423177-8	ETR14D3GC2002004	2	6/15/2021
Engine Systems Inc	141586	3069498925	6067570175	1423176-9	EGPDNRC2008004	30	6/16/2021
Progress Energy Carolinas	3128287	3071240849	6067665797	1-1423177-0	ETR14D3G004	2	6/24/2021
Florida Power Light	2422691	3069691553	6067670258	1423176-6	EGPD004	9	6/24/2021
QualTech NP	CP00017710	3069557491	6067670277	1423177-6	ETR14D3C004	2	6/28/2021
Arizona Public Service	500640350	3069723169	6067746071	1-1423176-2	EGPDR004	100	6/28/2021
Progress Energy Carolinas	3128287	3071240849	6068050413	1-1423177-0	ETR14D3G004	4	6/29/2021
Tennessee Valley Authority	3532-6848723	3071490626	6068126429	2-1423177-4	ETR14D3DN004	2	6/30/2021
Exelon Business Serv	00810319 Rev 001	3069737849	6068126430	3-1423177-2	ETR14D3BC2002004	2	7/1/2021
Exelon Business Serv	00814449 Rev 001	3069928024	6068193610	3-1423177-2	ETR14D3BC2002004	2	7/1/2021
Florida Power Light	02407390 Rev 003	3071871640	6068354799	1-1423176-7	EGPI004	6	7/7/2021
Entergy	10631097 Rev 001	3071681776	6068354680	1423176-6	EGPD004	3	7/7/2021
Talen Energy Supply	00670061 Rev 001	3069564369	6068119233	1423177-4	ETR14D3B004	4	7/8/2021
Northern States Power	4000019698	3070565245	6068427833	1423177-5	ETR14D3BN004	2	7/9/2021
Northern States Power	4000019698	3070565245	6068427835	1-1423177-5	ETR14I3D004	2	7/9/2021
Entergy	10635438 Rev 001	3070171034	6068598590	1423176-6	EGPD004	50	7/22/2021
Entergy	10639128 Rev 001	3070794954	6068601555	1-1423176-7	EGPI004	8	7/26/2021



Attachment 2
Transfer of information per Part 21.21 (4)

(i) Name and address of the individual or individuals informing the Commission:

Lucinda Hodge, Quality Manager, TE Connectivity, Aerospace Defense and Marine Division, 1396 Charlotte Highway, Fairview, NC USA 28730.

(ii) Identification of the facility, the activity, or the basic component supplied for such facility or such activity within the United States which fails to comply or contains a defect.

TE Connectivity sold the safety-related items for specified and unspecified applications. See attachment 1.

(iii) Identification of the firm constructing the facility or supplying the basic component which fails to comply or contains a defect.

TE Connectivity, 1396 Charlotte Highway, Fairview NC, USA 28730

(iv) Nature of the defect or failure to comply and the safety hazard which is created or could be created by such defect or failure to comply.

Hi-Pot testing may not have been properly performed prior to shipment.

(v) The date on which the information of such defect or failure to comply was obtained.

TE found that Hi-Pot tester was not properly connected to Hi-Pot test fixture on 7/23/2021.

(vi) In the case of a basic component which contains a defect or fails to comply, the number and location of these components in use at, supplied for, being supplied for, or may be supplied for, manufactured, or being manufactured for one or more facilities or activities subject to the regulations in this part.

Customers that purchased affected safety-related items from TE Connectivity are identified in Attachment 1.

(vii) The corrective action which has been, is being, or will be taken; the name of the individual or organization responsible for the action; and the length of time that has been or will be taken to complete the action.

All corrective actions have been completed and verified.

(viii) Any advice related to the defect or failure to comply about the facility, activity, or basic component that has been, is being, or will be given to purchasers or licensees.

Based on evaluation, this issue is expected to have a very low potential to produce a significant safety concerns. However, TE Connectivity has insufficient information to perform an evaluation for unspecified applications. Therefore, customers having received the recall notification and that have concerns should return affected relays to TE for Hi-Pot testing unless customers have already performed Hi-Pot testing on the affected material.

(ix) In the case of an early site permit, the entities to whom an early site permit was transferred.