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Subject: Changes to section 3.2 of ISG on communications

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From: Wes Bowers <wesley.bowers@exeloncorp.com>
To: Diana Diaz-Toro, Paul Rebstock, William Kemper
Date: 8/15/2007 2:57 PM
cc: Gordon Cleffon <gac@nei.org>
Subject: Changes to section 3.2 of ISG on communications

Diana, Paul, and Bill,

I thought about the discussion we had yesterday concerning section 3.2 of the communications ISG. I propose replacing the first three paragraphs of section 3.2 of the communications ISG (revision F) with the following:

IEEE 603 contains requirements concerning safety system manual controls and operator displays. Regulatory Guide 1.97 contains requirements for accident monitoring instrumentation. IEEE 603 and Regulatory Guide 1.97 specify design and qualification requirements applicable to the instrumentation based on the function of the controls and displays. In addition, human factors requirements include a concept called minimum inventory. The minimum inventory is based on the needs of the operator; inclusion on the list does not imply a specific set of design and qualification criteria. The requirements of IEEE 603 and Regulatory Guide 1.97 apply to the minimum inventory based on the function of the controls and displays.

Safety-related controls and displays may be provided via operator workstations, or they may be provided via hardwired devices such as switches, relays, indicators, and analog signal processing circuits. In either case, the safety-related controls and indications must consist of safety-related devices with safety-related software and must be dedicated to specific safety divisions. Instrumentation and controls required by IEEE 603 and Regulatory Guide 1.97 to meet less stringent design and qualification requirements may be included on non-safety related multidivisional control and display stations provided that the design and qualification requirements are met.

Please consider this input as you revise the ISG.

Wes