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АКТУАЛЬНІ ПИТАННЯ МОНІТОРИНГУ І ТЕХНІЧНОГО ОБСЛУГОВУВАННЯ ВИСОКОВОЛЬТНИХ ВИМИКАЧІВ

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Визначено фактори, які зумовлюють необхідність зміни стратегії технічного обслуговування високовольтних вимикачів енергосистем – поступового переходу від періодичного обслуговування до обслуговування на основі оцінювання технічного стану вимикача та його надійності. Показано, що найважливішою умовою впровадження прогресивних систем технічного обслуговування і керування технічним станом цього надто відповідального електричного обладнання енергосистем є побудова систем його on-line моніторингу. Виявлено і вивчено актуальні питання побудови таких систем, серед яких найважливішим визнано розробку, вибір і наукове обґрунтування ефективних

методів обробки та аналізу сигналів різного роду давачів інформації про технічний стан вимикачів. Бібл. 51, табл. 1.

Ключові слова: високовольтний вимикач, технічне обслуговування, стратегія, моніторинг, сигнал, методи обробки.

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АКТУАЛЬНЫЕ ВОПРОСЫ МОНИТОРИНГА И ТЕХНИЧЕСКОГО ОБСЛУЖИВАНИЯ ВЫСОКОВОЛЬТНЫХ ВЫКЛЮЧАТЕЛЕЙ

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Е.Н.

Определены факторы, которые предопределяют необходимость изменения стратегии технического обслуживания высоковольтных выключателей энергосистем – постепенного перехода от периодического обслуживания к обслуживанию на основе оценки технического состояния выключателя и его надежности. Показано, что важнейшим условием внедрения прогрессивных систем технического обслуживания и управления техническим состоянием этого слишком ответственного электрооборудования энергосистем является построение систем его on-line мониторинга. Выявлены и изучены актуальные вопросы построения таких систем, среди которых важнейшими признано разработку, выбор и научное обоснование эффективных методов обработки и анализа сигналов различного рода датчиков информации о техническом состоянии выключателей. Библ. 51, табл. 1.

Ключевые слова: высоковольтный выключатель, техническое обслуживание, стратегия, мониторинг, сигнал, методы обработки.

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