

A UFLS scheme for small isolated power systems using rate-of-change of frequency

L. Sigrist

Abstract— This letter presents a centralized underfrequency load-shedding (UFLS) scheme using the initial rate-of-change of frequency (ROCOF) to decide whether and how much load needs to be shed. The applicability of the centralized UFLS scheme is shown for a Spanish small isolated power system.

Index Terms— Frequency stability, load shedding, power system protection.

Due to copyright restriction we cannot distribute this content on the web. However, clicking on the next link, authors will be able to distribute to you the full version of the paper:

[Request full paper to the authors](#)

If your institution has an electronic subscription to IEEE Transactions on Power Systems, you can download the paper from the journal website:

[Access to the Journal website](#)

Citation:

Sigrist, L.; "A UFLS scheme for small isolated power systems using rate-of-change of frequency", IEEE Transactions on Power Systems, vol.30, no.4, pp.2192-2193. July, 2015.