

**FW: Re: FW: Need some information**

"sulakshanajayawardena" <sulakshanajayawardena@gmail.com>

September 14, 2020 10:11 PM

To: "attalage" <rattalage@hotmail.com>, chandimadp@uom.lk, "hsamarakoon" <hsamarakoon@yahoo.com>, "janakaalu" <janakaalu@yahoo.com>, "janakawnl" <janakawnl@gmail.com>, lavindi2003@yahoo.com, "lilantha" <lilantha@eng.pdn.ac.lk>, "Sulakshana Jayawardena" <suljayawa@yahoo.com>

Sent from my Samsung Galaxy smartphone.

----- Original message -----

From: Dhammika Navaratne <[dgmprot@gmail.com](mailto:dgmprot@gmail.com)>

Date: 14/09/2020 14:56 (GMT+05:30)

To: sulakshanajayawardena <[sulakshanajayawardena@gmail.com](mailto:sulakshanajayawardena@gmail.com)>

Cc: razeem <[samrazeem@yahoo.com](mailto:samrazeem@yahoo.com)>, indrasiri gallage <[indrasiri\\_gallage@yahoo.com](mailto:indrasiri_gallage@yahoo.com)>, PW Bamunusinghe <[pwbamu@gmail.com](mailto:pwbamu@gmail.com)>, Sisira Dissanayake <[sisira0501@gmail.com](mailto:sisira0501@gmail.com)>, Kushan Bandara <[kushandn@gmail.com](mailto:kushandn@gmail.com)>

Subject: Re: FW: Need some information

Dear Mr. Sulakshana Jayawardena,

The Operation and maintenance (O&M) of the Generator protection system of all the power plants under the generation division comes under the scope of the Protection- Generation branch. However, this does not include the supervisory control and data acquisition (SCADA) systems in power plants. The SCADA systems are totally handled by the station staff itself, while the Asset management branches have the condition monitoring scope of SCADA. This is the same for LVPP also and Protection- Generation branch is responsible in O&M works of the LVPP protection relays, including SAC(generator /transformer Protection) and the Siemens relay (df/dt)

In answer to the questions raised by Dr. Chandima, I can comment as follows;

- LVPP protection relays (SAC relays ) are connected to the station GPS clock to obtain its time, however, the said clock is outside the scope of the branch,
- It has to be verified with the transmission control & Protection Branch , whether there is a different GPS clock for the BEN.
- As per the above explanation, we can not comment on the differences in time between BEN and SCADA. This has to be verified from the above two branches(LVPP and Transmission C&P).
- Hence answers to questions 1 & 2 of Dr. Chandima, has also to be verified from the above two branches.
- HSR is also outside the scope of the Protection- Generation branch.

Please acknowledge the receipt of this mail.

**Best Regards**

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**D. N. Navaratne**  
**DGM (Protection - Generation),**  
**Protection - Generation Branch,**  
**Ceylon Electricity Board**

On Fri, 11 Sep 2020 at 15:12, sulakshanajayawardena <[sulakshanajayawardena@gmail.com](mailto:sulakshanajayawardena@gmail.com)> wrote:

Dear Mr. Navarathne

Pls.provide the information

Sent from my Samsung Galaxy smartphone.

----- Original message -----

From: [chandimadp@uom.lk](mailto:chandimadp@uom.lk)  
Date: 09/09/2020 14:45 (GMT+05:30)  
To: [samrazeem@yahoo.com](mailto:samrazeem@yahoo.com), [Mohamed.Razeem@ceb.lk](mailto:Mohamed.Razeem@ceb.lk), Sulakshana Jayawardena  
<[sulakshanajayawardena@gmail.com](mailto:sulakshanajayawardena@gmail.com)>  
Subject: Need some information

Dear Razeem

We learnt that the BEN and the protection relays (where you get the information to the SCADA) are GPS synchronized at LVPP. We would like to know if there is a time difference between these two GPS synchronized BEN and SCADA,

- 1). What is that time difference?
- 2). Establish that time difference in BEN and SCADA taking few of key events, such as circuit breaker opening of three Gen. Transformer units, Bus Section fault at LVPP grid, and Earth fault at Kerawalapitiya.

in addition to the above

Let me know the sampling frequency of the HSR at LVPP. also send the model of HSR

rgds  
Dr. Chandima