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C-A OPERATIONS PROCEDURES MANUAL

15.3.3.20 Procedure on How to Change the Siemens Motor Speed
on New Cycloconverter RK CR2

(Booster/AGS Ring Power Supply Systems Group Procedure EPS-S-020)

Note: This document was formerly a C-A Group Procedure. The content of the group procedure was reviewed by the Technical Supervisor. All approvals and/or issue dates of the original group procedure are maintained for present use.

Text Pages 3 through 3

Hand Processed Changes

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Approved: _____
Signature on File
Collider-Accelerator Department Chairman _____
 Date

M. Bannon

Group Procedure EPS-S-020
Revision 00

How To Change The Motor Speed Settings On The Siemens New Cycloconverter Speed Control Rack For The Siemens Motor.

1.0 Purpose:

- 1.1 In case of a power dip or some other power problem, the motor speed control will go back to it's default values of 2% slip or 98% of rated speed (1200 rpm's) or 1160 RPM's.
- 1.2 In order to run pulsing function, we want the motor speed to be at 1212 RPM's or 101% of rated speed.

2.0 Procedure:

- 2.1 Go to the Simadyn D control panel on rack CR2 in the new control room.
- 2.2 Press: **(VAL)**(value) **(SEL)**(select) **(V1)**(change)
- 2.3 This should give you the following message on the screen:
WNOP = < some value > (% or RPM) flashing on the screen
- 2.4 This value will be in % of rated speed or RPM's. You can swap between these two dimensions by pressing **(DIM)** key.
- 2.5 Then press **(CHG)** key:
 - a.) if in % mode then press (1) (0) (1), then enter, (which equally 101% rated speed.)
 - b.) if in RPM mode then press (1) (2) (1) (2), then enter, (which equal 1212 RPM)
- 2.6 Then press **(VAL)** and you should be finished

If there are any problems or questions contact one of the system engineer's (Roger Bonati)