



Thesis Progress Form

CHARLES DARWIN UNIVERSITY

College of Engineering, IT, and Environment

Name: Shane Reynolds

Unit: ENG720

Title: Automatic generation control of a two area power system using deep reinforcement learning

Supervisors: Charles Yeo & Stefaniya Klaric

Time & Date: 2.30pm @ 08/04/2020

1 Progress since last meeting

Nil - as discussed with CY have been unable to work on thesis for the last week due to work commitments

2 Discussion Points

Nil - no progress and nothing to discuss

3 Plan until the next meeting

- Update literature review to provide discussion on DRL technologies and development
- Move Python modelling of two area power system into a OO arrangement. A single class with a set of methods for operating on the power system model object will suffice and encapsulate details of model into a more usable form.
- Continue with Python development of DRL architecture
- Commence report writing on project progress so far



- CONTACT TGEN AND PWC CONTACTS FOR DATA TO TRAIN MODEL

Supervisor

April 9, 2020