
EE/CprE/SE 491 Bi-WEEKLY REPORT 2

9/14 – 9/27

Group number: sddec21-15

Project title: Open-Source Prototyping of 5G-and-Beyond Wireless Systems

Client &/Advisor: Hongwei Zhang

Team Members/Role:

Haan Zilmer - Report Manager

Bradley Norman - Meeting Facilitator

Anh To - Chief Algorithm Designer

Elias Zougmore - Lead Algorithm Test Engineer

o Weekly Summary

- Haan and Anh finished work on the glossary of technical terms. Team members continue to study their respective documents and decide to take time to learn C++. Professor Zhang advised us to move up the timeline for code implementation.

o Past week accomplishments

- Haan: worked and finished glossary of technical terms
- Anh: worked and finished glossary of terms

o Pending issues

- Determining MAC scheduling protocol utilized by srsRAN in order to get baseline PDR measurements through powder
- lack of understanding for C++
- lack of understanding for srsRAN MAC layer

o **Individual contributions**

<u>NAME</u>	<u>Individual Contributions</u>	<u>Hours Worked</u>	<u>HOURS cumulative</u>
Haan	glossary	6	9
Bradely		6	9
Anh	glossary	7	10
Elias		7	10

o **Plans for the upcoming week**

- Haan: Finish glossary of terms for new srsRAN terms, learn code base, learn C++
- Bradely: Get baseline PDR and mean throughput values for comparison with PRK protocol
- Anh: learn code base, learn C++, determine MAC scheduling protocol
- Elias: learn C++, write code for Multi-Channel ONAMA scheduling at base station, determine MAC scheduling protocol

o **Summary of weekly advisor meeting**

- Professor Zhang recommends reserving time for learning C++ and to move timeline for code implementation