Master Thesis -
Evaluation of 5G Test Process in Ericsson

Background
Mobile networks are used all over the world and are the corner stone for the networked society, where everything shall be connected. To support the vast amount and diversity of data expected in future networks, Ericsson are developing products to drive and support the networked society. The subjects for Master Thesis are defined to investigate and develop algorithms, architecture, tools etc. to support huge increase of speech, data and massive IoT for Radio Access Networks.

Thesis Description
5G is a new technology with new challenges that has never been seen before. This also brings opportunities to test new features in a more efficient way. The goal of this master thesis is to investigate the test process used in Ericsson during the development of 5G and find possible improvements that can be done. The main targets of this thesis are improving cost efficiency and help finding possible risks as early as possible.

The thesis work is proposed to cover:

- Investigate how testing has been performed by other big companies.
- Investigate the test process in 5G Ericsson.
- Draw conclusions what practices from the field that can be adapted to the Ericsson test process and possibly analyze other improvements which could have a positive impact on the Ericsson testing within the 5G development.

The thesis will be concluded with a result presentation for the Ericsson team.

Qualifications
This project aims at students in electrical engineering, computer science, computer engineering or similar.

Extent
1-2 students, 30hp each

Location
Ericsson AB Mjärdevi, Linköping

Preferred Starting Date
Spring 2020

Contact Persons
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