Background
In packet based networks, one measure of quality is packet latency. This is defined as the time from when a packet is sent until it is received. A high latency means in many cases a low quality seen from a user point-of-view. Another measure of quality is the variation of packet latency as a function of time.

To implement high quality packet based networks, used for example in 5G radio networks, there is a need to be able to measure packet latency.

Thesis Description
This thesis is about implementing measurement of packet latency in radio networks and measurements using a proposed implementation. The following steps are envisioned as part of the thesis work:

- Investigate and compare current techniques on how to measure packet latency in radio networks
- Implement one proposal for measurement of packet latency
- Analyze the results of the measurements

The thesis will be concluded with a result presentation for Ericsson

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

Extent
1-2 students

Location
Ericsson AB Mjärdevi, Linköping

Preferred Starting Date
Spring 2018

Keywords
Packet data networks, Mobile Telecommunication, Packet latency

Contact Persons
Staffan Wiklund
+46 10 7115112
Staffan.Wiklund@ericsson.com