Implementation of NB-IoT Communication with Scales

Specification - Draft

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1. Background

NB-IoT (Narrowband IoT) is a relatively new LPWAN (Low Power Wide Area) radio technology developed by the 3GPP organization. The primary focus areas of NB-IoT are indoor coverage, low cost, long battery life as well as high connection density. Vetek, a Swedish scale supplier, wants to examine the potential applications this technology could bring to their business model. As a first step in this endeavour the cost and complexity to enable online data communications with a loading cell unit needs to be investigated, which would be the aim of this thesis. [Discuss hardware?]

2. Problem Description and Approach

Här beskrivs mer detaljerat innehållet i examensarbetet: vad som skall göras och vilka moment ingår. Speciellt skall det beskriva vad som är den intressanta delen i problemet, samt hur detta skall analyseras och lösas. Här bör det alltså framgå att arbetet uppfyller kraven som universitetet har på ett exjobb på denna nivå.

Limitation

4. Relevant courses

- Computer Networks and Distributed Systems
- Imperative and Object-Oriented Programming Methodology (?)

5. Time plan

Below is a rough outline of the time plan:

+ Week	1	2			6			10	+
+ Related work	+					 			+
 Implementation	+		 			 +			
 Documentation				4		 	+		
 Report	+		 			 			-+
 Presentation							•		-+ l
+			 			 			+