

# Workshop #3

## OSPF

KTHNOC

20040206

### **Abstract**

The questions should be answered before the workshop begins on the 6th of February. They can be solved in groups, but each student should be prepared to present his/her solution in front of the class at the blackboard.

The questions below should be possible to answer if you have payed attention in the lectures and if you read the course literature.

Every answer you give should be well motivated.

## **1 OSPF Packet Types**

Which OSPF packets are there? When are they used?

## **2 Hello**

- What does the hello mechanism do?
- Why is Bi-directional adjacency necessary?

## **3 Reliable Flooding**

- What is reliable flooding?
- Describe the two forms of reliable flooding.
- Why is reliable flooding important?

## 4 Shared Mediums

- What is the N-squared problem?
- Why are DRs and BDRs necessary in a shared medium?