
FSKnet

Tony Breach, Optical Network Manager

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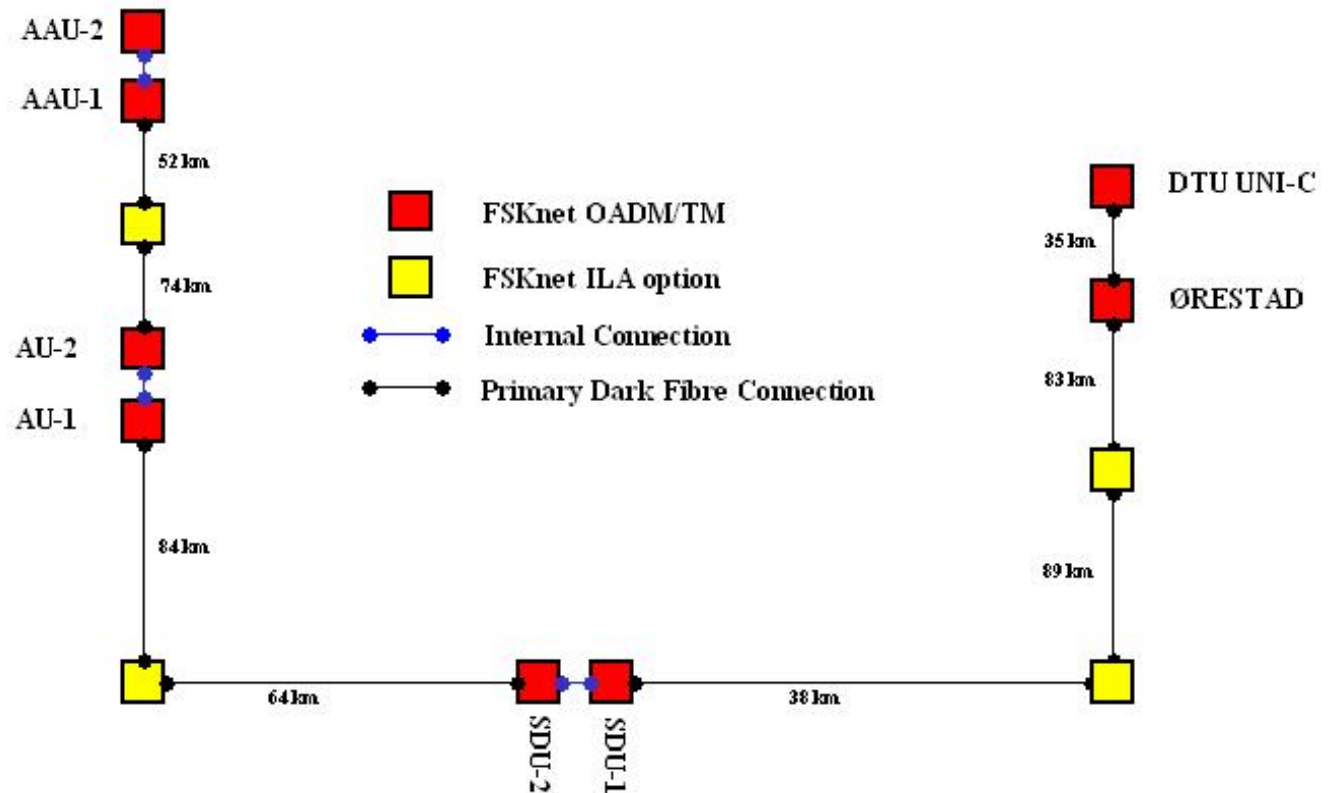
Introduction

- FSKnet is seeking for funding – expect a response next Monday from the Danish Research Ministry
- Will continue their analysis process of a Dark Fiber Solution
- This presentation is based on a feasibility Study done last year
 - WSS solution like NORDUnet
 - DCM compensation based on Alcatel-Lucent simulation
 - Dark Fiber
 - Use some of FSKnet's existing fibers and acquire new for some parts

FSKnet Primary Route

8 x ROADM (TOADM solution) + 4 x ILA

1. DTU UNI-C
2. CPH undefined
3. Ørestad
4. SDU-1
5. SDU-2
6. AU-1
7. AU-2
8. AAU-1
9. AAU-2

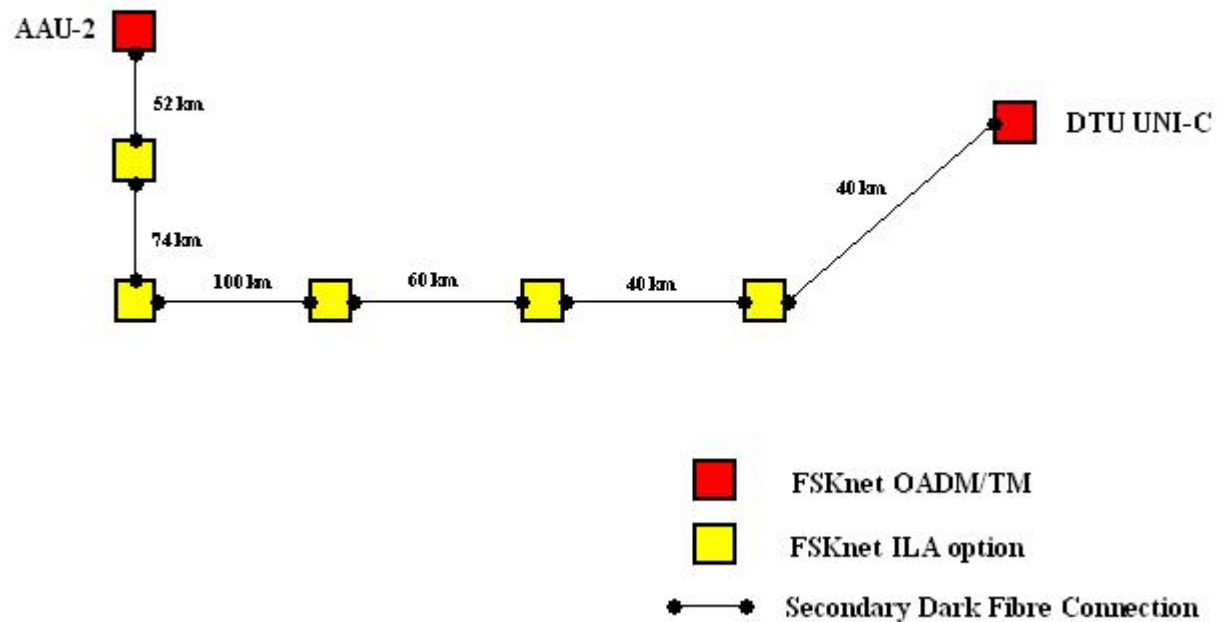


FSKnet Secondary Route

2 x ROADM (TOADM solution) + 5 x ILA

1. DTU UNI-C
2. AAU-2

Alternative 2: Protection back through Denmark



Lambda Design

- Assumption- A lambda circuits requires no regeneration within the FSKnet.
- 10Gbit/s protected lambda to each site requires 2 x 8 lambdas.
- Protection on layer 3 is expected and transponder units are not required between Sites within Odense, Århus and Ålborg.
- The load sharing on layer 3 between DTU and Ørestad is expected to be handled by 4x10Gbit/s circuits.
- 20 lambdas or 40 transponders are required for this solution.

