

## Ensuring communications services during emergency/crisis in Norway

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### **Initiative**

- Minimum power backup in mobile networks
- Started the award process for 700 MHz
- Socioeconomic analysis



# Decision on minimum power backup in mobile networks (2014)

#### Requirements in short:

- Minimum of 2 hours power backup for towns > 20000 inhabitants
- Average of 4 hours backup power elsewhere
- Implementation period: 8 years/5 years
- Exceptions: «Disproportionate cost»

#### Status:

- Implementation in progress
- First status report: 31. December 2016



## National program for implementing reinforced mobile sites

- 3 days power back-up and robust transmission for prioritised mobile sites
- Objective: Support local crisis management and population in general
- Financed by the government
- «Opening ceremony» 3. May 2016



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# Reinforced mobile sites

Status May 2016:

Green: Completed

Red: In process

Blue: Planned, subject

to funding



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### 700 MHz award process

- How to ensure that emergency services have access to mobile broadband?
- Options:
  - Dedicated net
  - Commercial nets
  - Hybrid solution
- 15 questions regarding the use of 700 MHz to interested parties (operators, Military and Directorate for Emergency Communication)



- Use / service
- Demand
- Band plan
- Coverage obligation
- Spectrum cap
- Minimum price per block
- Resources to the Military
- In case of dedicated net, co-localisation
- How realistic are the demands on commercial operators



## Thank you for your attention