

# Environment, Safety & Health (ESH) An overview

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# Overview of presentation



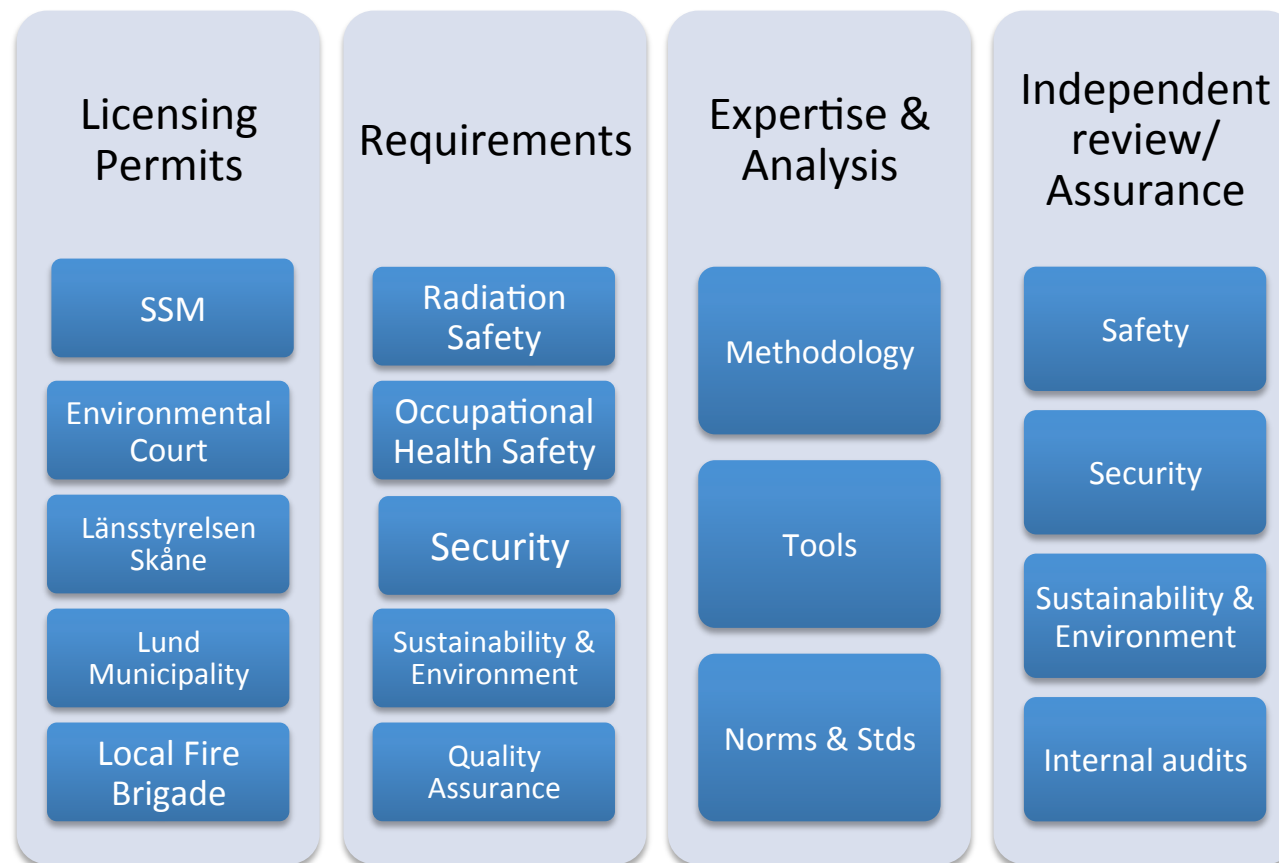
- Role and task for the ESH
- Organization
- Licensing and permits
- Occupational Health Safety (OHS)
- Fire Safety

# ESH Role and tasks



- Licensees and permits
  - Environmental Court
  - The Swedish Radiation Safety Authority (SSM)
- Contacts with Regulating authorities
  - The Swedish Work Environment Authority
  - The Swedish National Electrical Safety Board
  - The Local Fire Brigade (R Syd)
- Setting requirements in accordance with policies, regulations, laws and given permits
- Operative ESH role
  - Five different laboratories in operation
- Assuring and reviewer role
- Support and coordinate safety analyses from different aspects

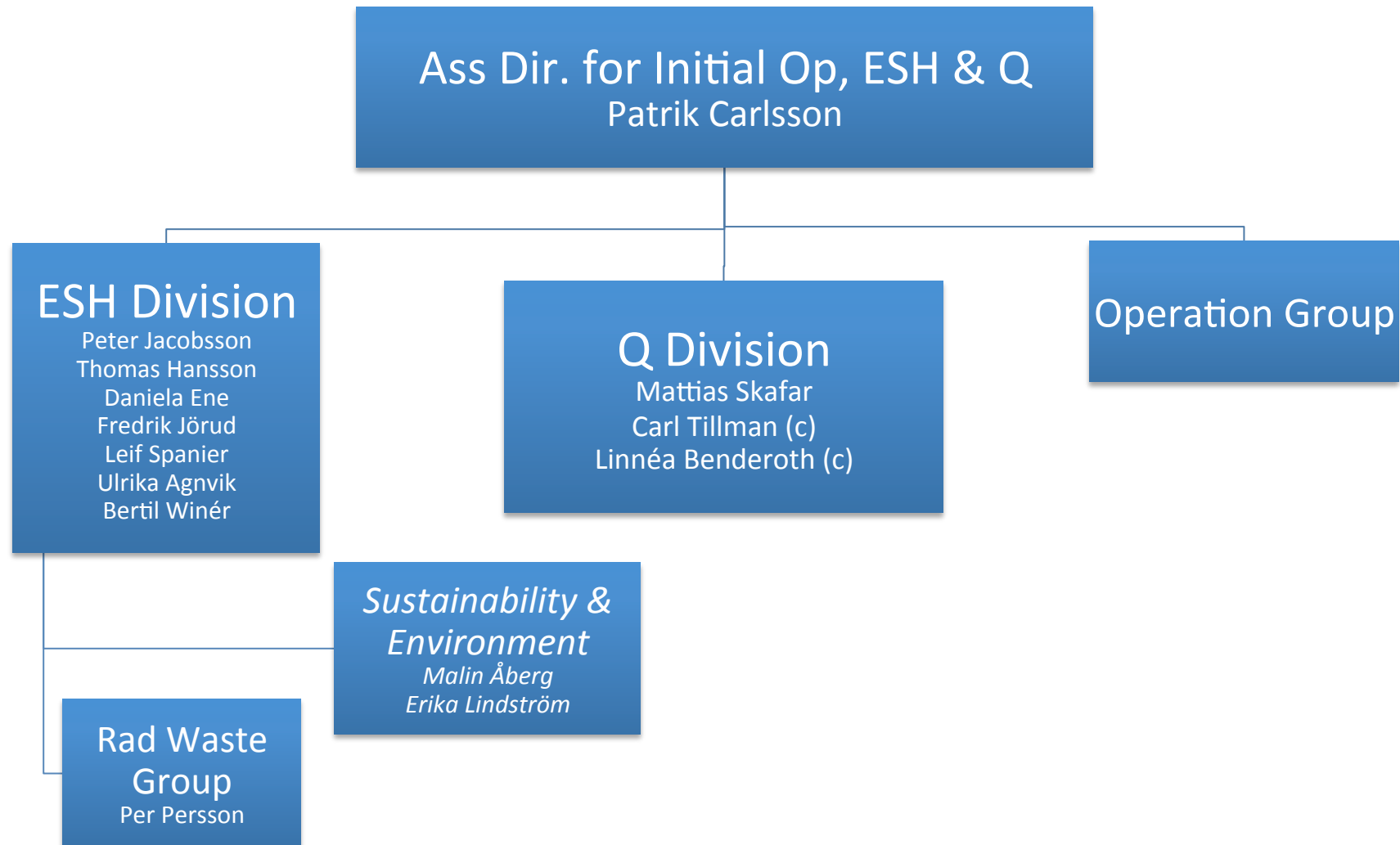
# The role of ESH and QA



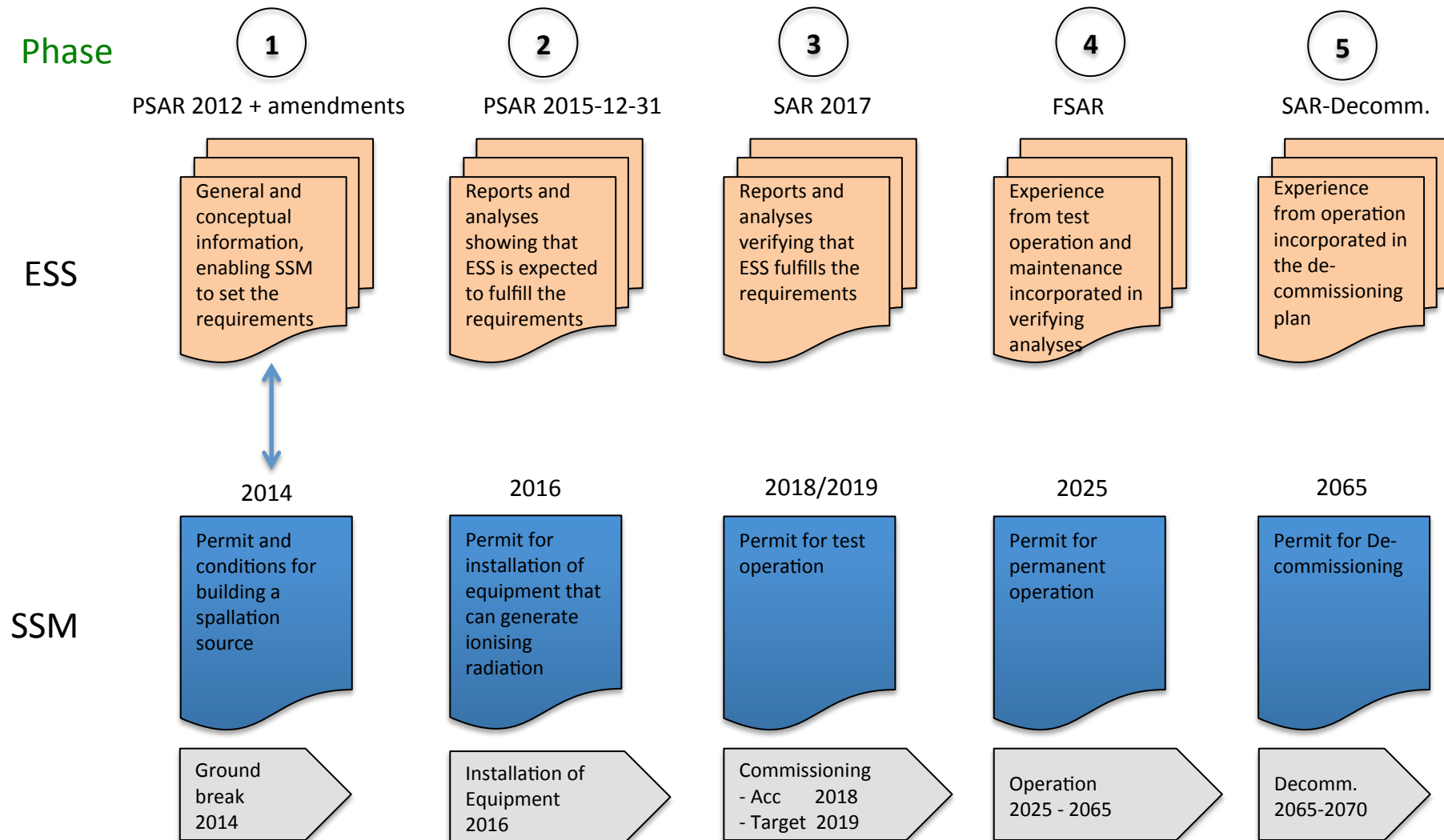
# Competence & Personal

- Radiation & Nuclear Safety
  - Peter Jacobsson
  - Thomas Hansson
  - Leif Spanier
  - Daniela Ene
- Shielding Calculations
  - Günter Myhrer (TD)
  - Riccardo Bevilacqua (TD)
  - Lali Tchelidze (AD)
  - Luisella Lari (AD)
  - Phil Bentley (NSS)
- Risk Analysis
  - Jan-Espen Presteng (c)
- Rad Waste
  - Per Persson
  - Tommy Hansson (c)
- Security
  - Ulrika Agnvik
- Occupational Health Safety
  - Bertil Winér
  - Ernst Christensson (CF)
- Fire Safety
  - Fredrik Jörud
- Electrical Safety
  - Jörgen Mattsson (CF)
- ODH
  - Duy Phan (AD)
- Sustainability & Environment
  - Malin Åberg (CF)
  - Erika Lindström (CF)

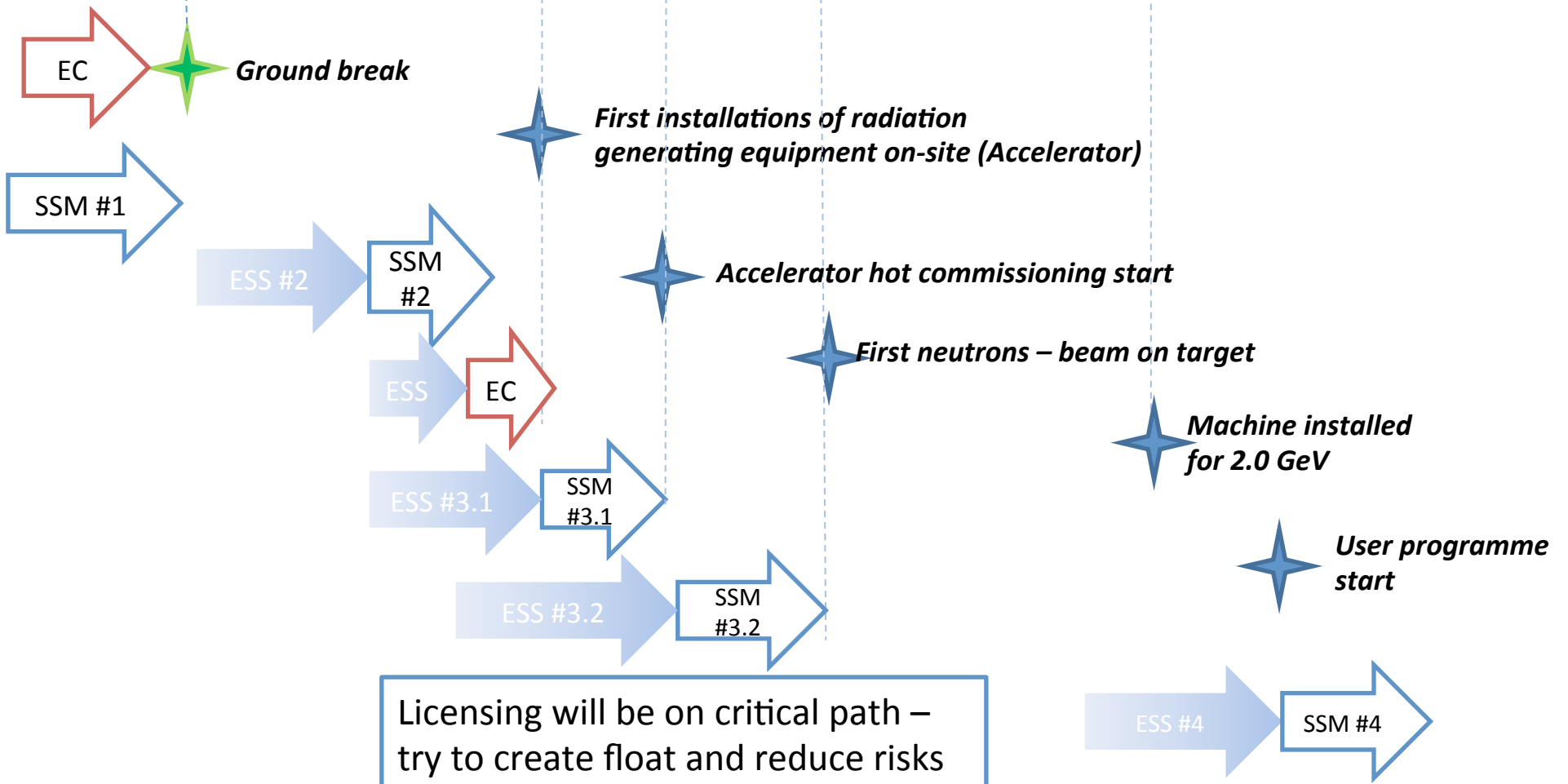
# ESH & QA – Organization



# Graded approach SSM - Schedule



# ESS Schedule – Licensing



# Occupational Health Safety - General



- Occupational Safety – Design
  - Safety Officer (Bas-P)
    - Fire Safety
    - Electrical Safety
    - Cryogenic Safety
    - Pressure/Vacuum of systems
    - Chemical hazards
    - Heights/Lifting
- Occupational Safety – Construction
  - Safety coordinator (Bas U)
  - Electrical Safety
- Occupational Safety – Installation
  - Safety coordinator (BAS-U)
  - Electrical Safety

# Safety issues - General



- The regulating authorities (SSM, AV etc.) have no experience from a large accelerator driven facility.
- Minor experience from neutron scattering instruments based on a small research fission reactor
- The legislation is based on that the licensee makes a risk assessment, define its hazards and propose mitigating actions and procedures to be followed.
- In some areas, e.g. electrical safety, more strict regulations can be applied..