



**ELSÄKERHETSVERKET**




## EMC - Apparatus/Installations

- EMCD 2004/108/EEC  
"Main amendments"
- Definitions
- Apparatus
- Fixed installations



# EMCD 2004/108/EC

## Main amendmends

- **Definitions and clarifications of scope**
  - Equipment 
    - Apparatus
    - Fixed installations
  - Excluded
    - Aeronautical eq
    - Equipment used by radioamateur
    - Benign equipment
    - Equipment covered by other specific directives
  - Definition of Electromagnetic disturbance
    - Safety purposes
    - Electromagnetic environment



- **Clarifications of the role of harmonized standard**
  - Content
  - How to apply
- **Clarification of special measures that can be taken by member state Art. 4.2**
  - Notification to COM/member states
- **Demonstration of non-CE marked products at trade fairs**
  - OK to perform demonstrations
  - Obligation to ensure no disturbance



- **Information requirements**

- Identification of product (type, batch, serial number, other id)
- Each apparatus shall be accompanied by the name and address of
  - Manufacturer
  - Authorised repr.
  - Person established within the community responsible for placing the product on the market
- Manufacturer shall provide information on any specific precautions that have to be taken when the apparatus is
  - Assembled
  - Installed
  - Maintained
  - Used



- Apparatus used in residential areas shall be accompanied by restriction of use (if any) if the protection requirements are not sured.
- Information requirements to enable use in accordance with the intended purpose must be contained in the instructions accompanying the apparatus
- **Conformity assessment**
  - Self-assessment by manufacturer (with or without applying harmonized standard)
  - Voluntary use of notified body (NB)
- **Clarification of the role of the notified body (NB)**
  - The role of the NB is to assess the technical file provided by the manufacturer in whole or part - at the choice of the manufacturer



## DEFINITIONS

- Components
- Subassembly
- Finished appliance
- Systems
- Installations



# APPARATUS

(Assessment)

- A. Detailed technical assessment  
("Manufacturers own methodology")
- B. Exclusive use of relevant harmonised  
EMC-standard.
- C. Mixed procedure  
(Combination of A and B)

# FIXED INSTALLATIONS

- Networks
- Large machines



## NETWORKS

- **Electrical distribution system**
  - High voltage substation
  - Wind turbine station
- **Telecommunications system**
  - Telecommunication network
- **Cable-TV system**



# LARGE MACHINES

(examples)

- Airport luggage transport system
- Traffic light installation
- Airport runway lighting installation
- Automatic warehouse transport system
- Skating hall ice rink machinery installation
- Storm surge barrier installation
- Flower auction installation
- Large automatic water pump installation
- Fire detection and prevention system
- Radio telescope installation
- Air conditioning installation
- Water pumping station
- Ship elevator
- Process control room



## **”EMC-COMPLEX”**

- EI- and Telecommunications systems
- Fixed installations
- Electrical products (app. comp. etc.)