



Strål
säkerhets
myndigheten

Swedish Radiation Safety Authority

The Nordic phantom library website

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PIANOLIB workshop



Exchange of calibration tools

- Historical regional collaboration established since many years. The main promoters of this practice were Tua Rahola in Finland and Rolf Falk in Sweden. While pursuing funds they extended this practice to the NKS level and consequently to the region.
- NKS has actively fund acquisition of phantoms and calibration materials as long as they are jointly owned, that is, they belong to all facilities in the region.
- Geographically possible the transportation in reasonable time and cost (and rules).



Exchange of calibration tools

- Main “homes” for the phantoms continue to be Finland at STUK (Radiation and Nuclear Safety Authority Finland) and Sweden at SSM (Swedish Radiation Safety Authority).
- Loans were managed manually by a person at SSM being the procedure time consuming, not sufficiently transparent and the documentation difficult to manage.

For example:

a third part couldn't know the duration of a loan event between two facilities;

when from outside “home” a facility borrowed directly from another facility, tracking the destination of the phantoms could become difficult



Internet based approach

- Online library that contains the inventory of regional phantoms together with the existing documentation. NKS has hosted the phantom library page at its website:

http://www.nks.org/en/phantom_library/

- The page functionalities were development by Webhouse, which is in charge of running and maintain the NKS page

- Phantom list:

Anja neck

Anja whole body

Irina neck

Irina whole body

Livermore