

# Risk minimisation for radiation protection training using on line platforms

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Identify courses that would be suitable for an online platform and consider the risks

- what learning is needed
- what learning do we provide
- what of learning does the online platform provide
- how risk is reduced

### Learning styles

- visual
- kinaesthetic
- aural
- social
- solitary
- verbal
- logical



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## Types of learners

- working closely with radiation
- not working closely with radiation but involved with the work

## What activities do we use to help people learn?

Our courses

- knowledge acquisition
- practical work
- calculations
- problem solving
- role playing
- teamwork
- tests

## What activities does an online platform use to help people learn?

The type of learning available are:

- video steps
- audio steps
- article steps
- discussion steps (requires input)
- polls
- exercises (requires input)
- quizzes
- tests

## What activities help people learn?

#### Radiation protection services

#### Online

- knowledge acquisition
- practical work
- calculations
- problem solving
- role playing
- teamwork
- tests

- knowledge acquisition
- calculations limited
- problem solving limited
- tests

## Selecting suitable courses



- consider continuous or course designer intervention course
- are there sufficient similarities
- is it vital they can do this calculation is it necessary to check?
- is a live educator needed, or will a video giving feedback suffice?

## Types of courses that can be transferred to online platforms

working closely with radiation

this usually requires a course that cannot be transferred to online platform

 not working closely with radiation but involved with the work usually require courses that provide radiation safety protection and health effects information without practical work

shorter the course – more likely it can be transferred to online platforms

## Benefit of an online platform course. (Learner)

- learning is driven by the individual
- information is chunked
- learner centred
- increased participation
- knowledge consolidation

## Benefit of an online platform course. (Employer)

- certificates of attendance give reasonable assurance of employee engagement with the course
- employer has readily available record of training
- training can be done at any time or part of onboarding
- can engage with lots of people at the same time



Generally, if the risk of exposure is greater, then online platform courses are unlikely to be able to provide sufficient and suitable information and instruction to satisfy an ALARP ethos.





