

Industrial Safety – Radiation Protection



EAN NORM Workshop Dresden 2007

Industrial Safety and radiation Protection –
conflicting or complementary regulations

Industrial Safety – Radiation Protection



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Industrial Safety and radiation Protection –
conflicting or complementary
regulations/**practises**



Industrial Safety – Radiation Protection

- Individual Experience
- Examples
- Germany

Industrial Safety – Radiation Protection

Industrial/occupational Hygiene

|
-Occupational safety

|
-Radiation protection

Industrial Safety – Radiation Protection

Industrial/occupational Hygiene

|
-Occupational safety

⋮

-Radiation protection



Industrial Safety – Radiation Protection

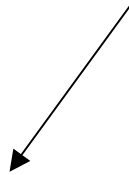
Industrial/occupational Hygiene

|
-Occupational safety

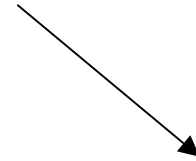
-Radiation protection

Industrial Safety – Radiation Protection

Industrial/occupational Hygiene



-Occupational safety



-Radiation protection

■ Industrial Safety – Radiation Protection

Industrial/occupational Hygiene

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graph TD; A[Industrial/occupational Hygiene] --> B[Radiation protection]; A --> C[Occupational safety];
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Radiation protection

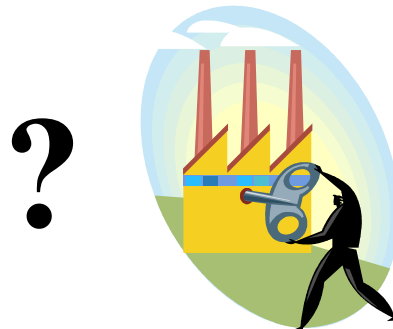
Occupational safety

Industrial Safety – Radiation Protection

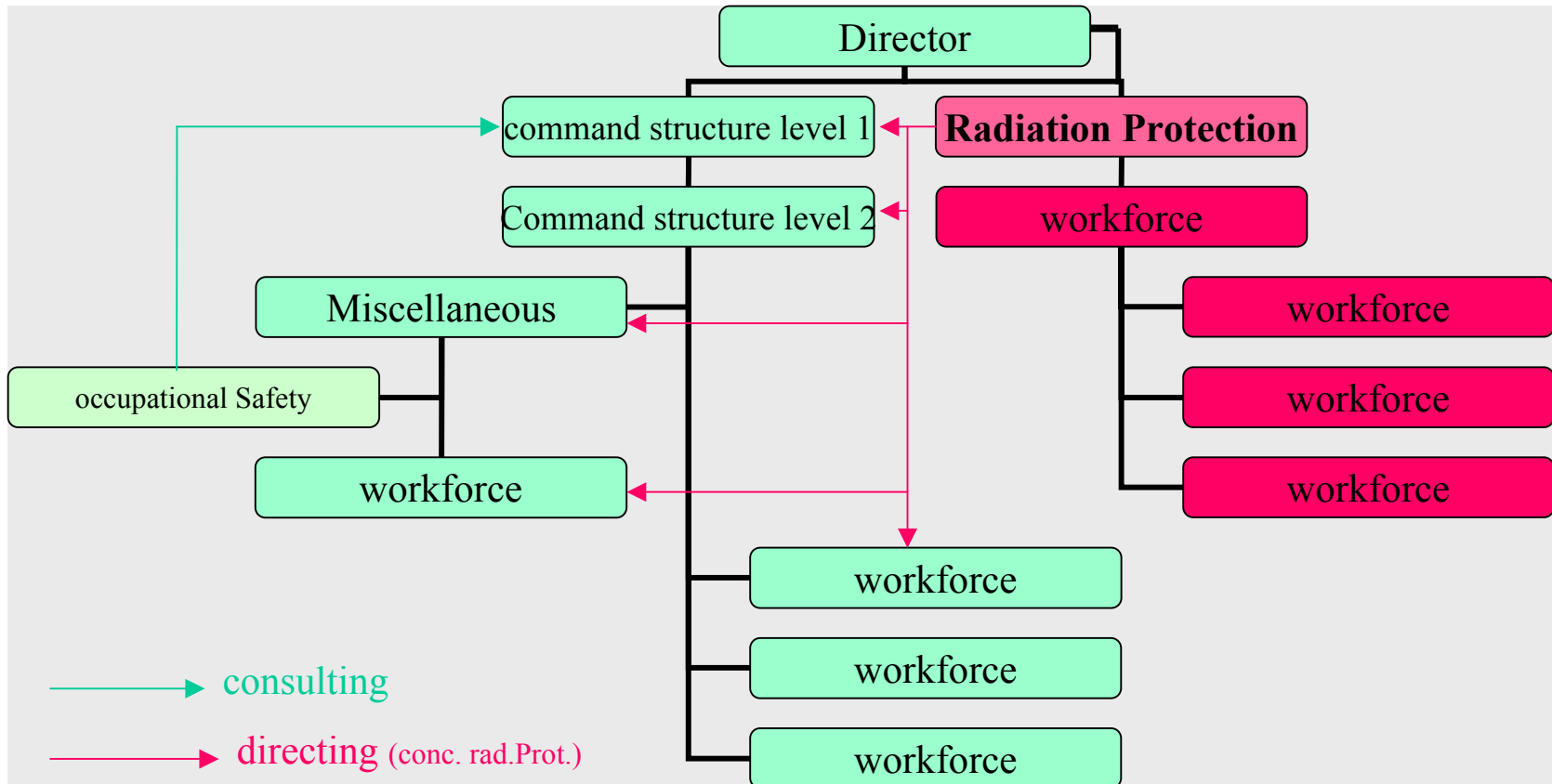
Industrial/occupational Hygiene

-Occupational safety

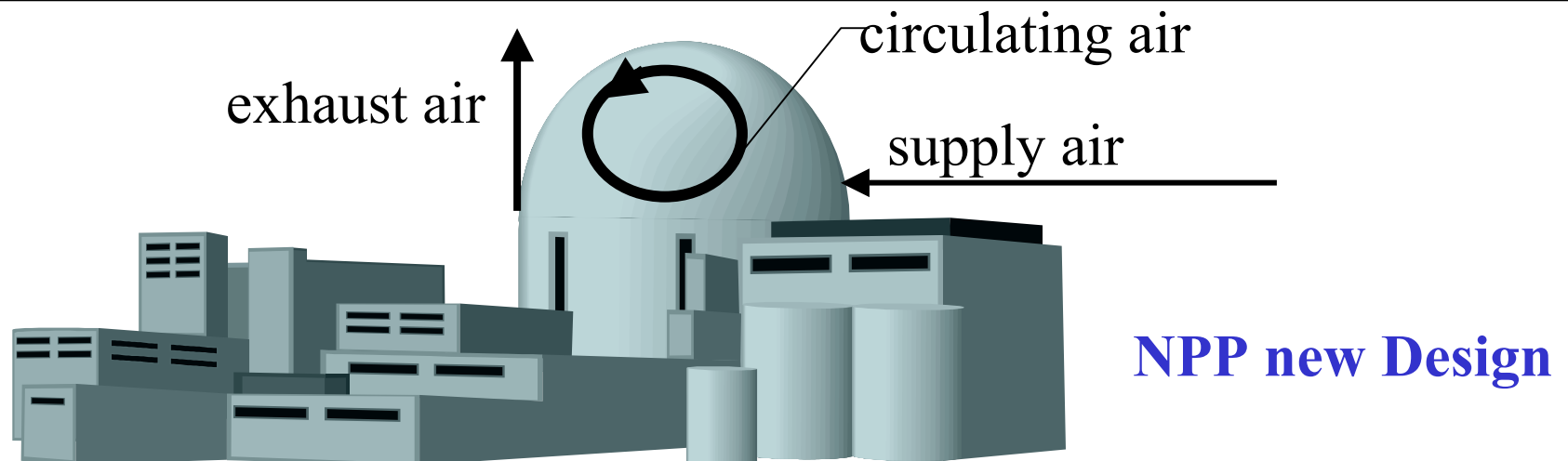
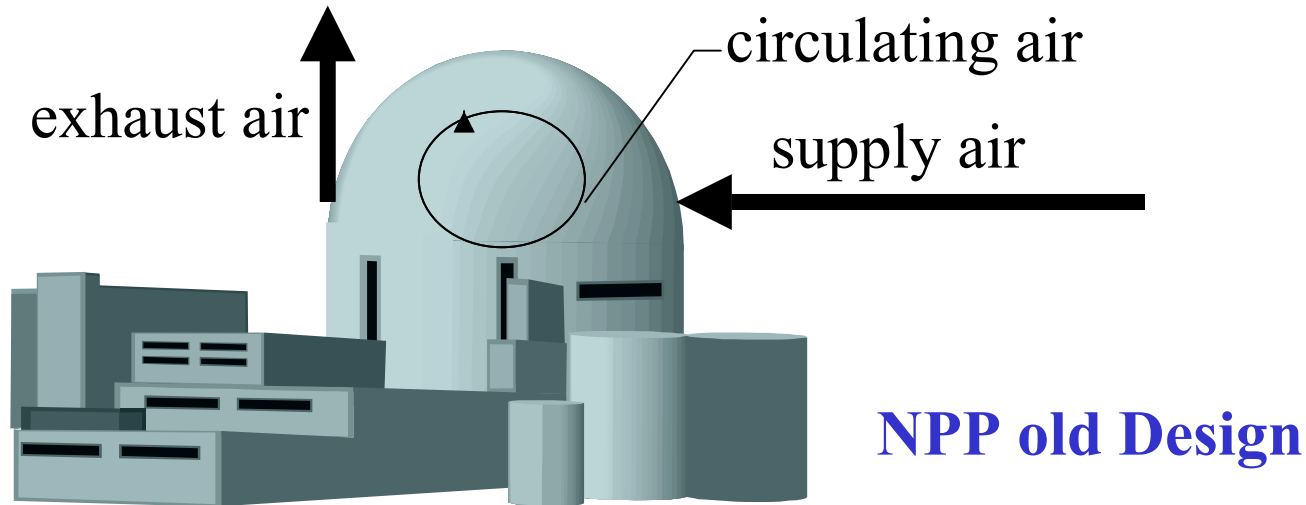
-Radiation protection



Command Structure in Enterprise with Radiation

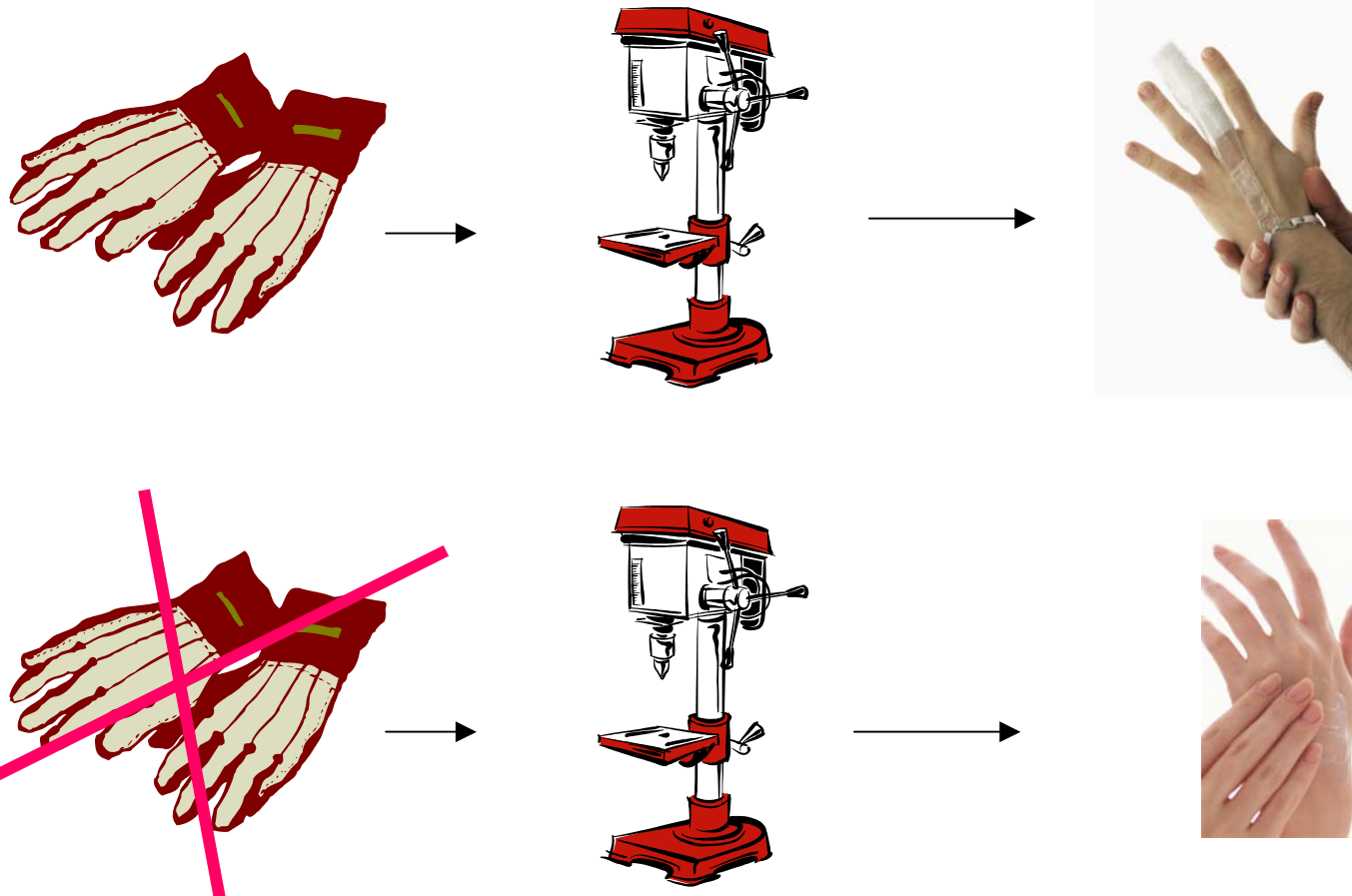


Industrial Safety – Radiation Protection



Industrial Safety – Radiation Protection

conflicts with protective cloths



Industrial Safety – Radiation Protection

conflicts with protective cloths



**always necessary ?
working conditions ?**

Industrial Safety – Radiation Protection

conflicts with security requirements



escape or rescue at any time ??

Industrial Safety – Radiation Protection

conflicts with controlled zones and airlocks



escape or rescue at any time ??

Decreasing Radon in buildings

1.6 Million of buildings (one/two-family)
with Radon $> 100 \text{ Bq/m}^3$

sanify workforce:

3P/b/ 2w \rightarrow 384 Mio Phrs \rightarrow about 20,000 accidents
with serious injuries
+ ca. 25 accidents with fatal injuries



Industrial Safety – Radiation Protection

Thank you for
your patience

Industrial Safety – Radiation Protection

