

Implementation of Specific Safety Guide-11 (SSG-11) / new BS 2018

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Introduction

- SSG-11 introduced from IAEA(International Atomic Energy Agency) under attention of SZW and the larger NDT companies
- ANVS requested Kwaliteitstoezicht Inspectie Niet-destructieve Technieken(KINT) to set up a workinggroup for translation to dutch situation of SSG-11
- Initially meant to be used as a guideline for auditing governmental departments like IL&T and SZW
- Feb 2018 new “Besluit basisveiligheidsnomen Stralingsveiligheid”

“Besluit Stralingsbescherming 2018”

- Changed to get more uniformity in radiation safety worldwide
- Basic principle radiation safety
 - Justification
 - ALARA
 - Dose limits
- By government approved training centres for training at appropriate level and industry
- Names for expertise
- Licences, announcements, notifications

Relation SSG-11 and new BS

- SSG-11 international document
 - Terminology RPE, RPO, RPS
 - Niv 2, Niv 3, Niv 4, Niv 5
- BS renewed
 - To get good connection with radiation safety worldwide
 - Decrease administration

Purpose SSG-11 / PRL

Stralingsbescherming NDO

- To create a clear boundary in which inspections, using X-ray or Y-ray, can be executed in a safe manner
 - Use of bunkers
 - PBM's
 - Responsibility for both bidder and contractor
- The law is always leading in this

Design SSG-11

- In cooperation with 5 NDT companies on behalf of KINT (Kwaliteitstoezicht Inspectie en Niet Destructieve Technieken)
- To be used as guideline. Current law is always leading.
- “Translation” to Dutch radiation safety (BS)
 - Education/jobdesignation radiation safety
 - Knowledge with regard to executing personnel
 - SBD/RPE(niv 3) en TMS/RPO(niv 4, 5) certificate expires after 5 yr
 - SBM/RPS(radiograaf) interne training.
 - Re-examination of training to be administered
 - Responsibilities bidder and contractor

Design SSG-11

- Radiation safety when hiring external personnel (foreign countries)
 - On judgement of RPE/SBD
 - Always additional information with regard to company policy
- Niv 2, 3, 4, 5 are replaced by RPE(niv 2 and 3) RPO (niv 4 and 5) and RPS
- Originally leads to less external educated personnel???(Current discussion)

Implementation SSG-11

- “PRL Stralingsbescherming NDO – NL” as the Dutch version of SSG-11
- Meeting ANVS (Autoriteit Nucleaire Veiligheid en Stralingsbescherming)
 - Processing comments of ANVS
- Continuation “KINT stralingscommissie”
 - Duties/responsibilities NDT branche and bidder
 - Invitation of bidders in KINT meetings

Present situation

- First draft of Dutch SSG-11 ready
- Processing remarks of ANVS
- Requirement training and education for radiation Safety, Dutch law is leading
- SSG-11 remains a guidance
- SSG-11 is used as guidance during governmental audits/inspections
- Improved cooperation between bidder and contractor?

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Questions???