



Form 4: New Work Item Proposal

Circulation date: 2015 June 18 Closing date for voting: 2015 September 18	Reference number: Click here to enter text. (to be given by Central Secretariat)
Proposer DIN	ISO/TC 85/SC 6 <input type="checkbox"/> Proposal for a new PC
Secretariat ANSI	

A proposal for a new work item within the scope of an existing committee shall be submitted to the secretariat of that committee with a copy to the Central Secretariat and, in the case of a subcommittee, a copy to the secretariat of the parent technical committee. Proposals not within the scope of an existing committee shall be submitted to the secretariat of the ISO Technical Management Board.

The proposer of a new work item may be a member body of ISO, the secretariat itself, another technical committee or subcommittee, an organization in liaison, the Technical Management Board or one of the advisory groups, or the Secretary-General.

The proposal will be circulated to the P-members of the technical committee or subcommittee for voting, and to the O-members for information.

IMPORTANT NOTE: Proposals without adequate justification risk rejection or referral to originator.

Guidelines for proposing and justifying a new work item are contained in [Annex C of the ISO/IEC Directives, Part 1](#).

The proposer has considered the guidance given in the [Annex C](#) during the preparation of the NWIP.

Proposal (to be completed by the proposer)

Title of the proposed deliverable.

English title:

In-service inspections for primary coolant circuit components of light water reactors

French title (if available):

Contrôles périodiques des composants du circuit primaire des réacteurs à eau légère

(In the case of an amendment, revision or a new part of an existing document, show the reference number and current title)

Scope of the proposed deliverable.

This series of standards is applicable for in-service inspections of the surfaces and the volume using NDT methods on components of the primary circuit of light water reactors. These standards are also applicable to other components of nuclear installations.

This series specifies test techniques, requirements for measuring equipment and additional devices, test personnel, preparation and performance of the test as well as the recording and documentation

This series consists of 6 parts:

Part 1: Mechanized ultrasonic testing

Part 2: Magnetic particle testing and penetrant testing

Part 3: Hydrostatic testing

Part 4: Visual testing

Part 5: Eddy current testing of steam generator heating tubes

Part 6: Radiographic testing

Purpose and justification of the proposal*

At the moment there is no ISO-standard for in-service inspections for components of nuclear power plants. The German standard proposed for international standardization is well used since early 1980 and was revised several times to implement the operational experience in Germany. This series of standards represents the state-of-art in NDT-inspection. The high availability of the German nuclear reactors is based on the successful application of these standards.

This standard specifies the performance and implementation of NDT. It includes also the requirements for the NDT equipment and test personnel. This series would be helpful for all countries, as in here there are no acceptance criteria defined so that the enduser can combine with relevant national standards and thus **harmonize** existing performances and requirements.

Consider the following: Is there a verified market need for the proposal? What problem does this standard solve? What value will the document bring to end-users? See Annex C of the ISO/IEC Directives part 1 for more information.

See the following guidance on justification statements on ISO Connect:

<https://connect.iso.org/pages/viewpage.action?pageId=27590861>

Preparatory work (at a minimum an outline should be included with the proposal)

A draft is attached An outline is attached An existing document to serve as initial basis

The proposer or the proposer's organization is prepared to undertake the preparatory work required:

Yes No

If a draft is attached to this proposal,:

Please select from one of the following options (note that if no option is selected, the default will be the first option):

- Draft document will be registered as new project in the committee's work programme (stage 20.00)
- Draft document can be registered as a Working Draft (WD – stage 20.20)
- Draft document can be registered as a Committee Draft (CD – stage 30.00)
- Draft document can be registered as a Draft International Standard (DIS – stage 40.00)

Is this a Management Systems Standard (MSS)?

- Yes No

NOTE: if Yes, the NWIP along with the Justification study (see [Annex SL](#) of the Consolidated ISO Supplement) must be sent to the MSS Task Force secretariat (tmb@iso.org) for approval before the NWIP ballot can be launched.

Indication(s) of the preferred type or types of deliverable(s) to be produced under the proposal.

- International Standard Technical Specification
- Publicly Available Specification Technical Report

Proposed development track

- 1 (24 months) 2 (36 months - default) 3 (48 months)

Note: Good project management is essential to meeting deadlines. A committee may be granted only one extension of up to 9 months for the total project duration (to be approved by the ISO/TMB).

Known patented items (see ISO/IEC Directives, Part 1 for important guidance)

- Yes No

If "Yes", provide full information as annex

Co-ordination of work: To the best of your knowledge, has this or a similar proposal been submitted to another standards development organization?

- Yes No

If "Yes", please specify which one(s):

[Click here to enter text.](#)

A statement from the proposer as to how the proposed work may relate to or impact on existing work, especially existing ISO and IEC deliverables. The proposer should explain how the work differs from apparently similar work, or explain how duplication and conflict will be minimized.

There is no ISO standard at the moment.

A listing of relevant existing documents at the international, regional and national levels.

There exist ISO-standards for specific NDT-methods, but they do not cover the specific requirements for nuclear power plants, e.g.:

ISO 3452-1, Non-destructive testing — Penetrant testing — Part 1: General principles

ISO 3452-2, Non-destructive testing — Penetrant testing — Part 2: Testing of penetrant materials

ISO 3452-3, Non-destructive testing — Penetrant testing — Part 3: Reference test blocks

ISO 3452-4, Non-destructive testing — Penetrant testing — Part 4: Equipment

ISO 9934-1, Non-destructive testing - Magnetic particle testing — Part 1: General principles

ISO 9934-2:2002, Non-destructive testing — Magnetic particle testing — Part 2: Detection media

ISO 9934-3, Non-destructive testing - Magnetic particle testing — Part 3: Equipment

ISO 9712, Non-destructive testing — Qualification and certification of NDT personnel

ISO 12706:2009, Non-destructive testing — Penetrant testing — Vocabulary

ISO 17638:2003, Non-destructive testing of welds — Magnetic particle testing

ISO 12718:2009-, Non-destructive testing — Eddy current testing — Vocabulary

ISO 15548-1, Non-destructive testing - Equipment for eddy current examination — Part 1: Instrument characteristics and verification

ISO 17636-1, Non-destructive testing of welds — Radiographic testing — Part 1: X- and gamma-ray techniques with film

ISO 17636-2, Non-destructive testing of welds — Radiographic testing — Part 2: X- and gamma-ray techniques with digital detectors

A simple and concise statement identifying and describing relevant affected stakeholder categories (including small and medium sized enterprises) and how they will each benefit from or be impacted by the proposed deliverable(s)

Operators of nuclear power plants, inspection companies and third parties of the countries operating nuclear power plants are the relevant stakeholders. They will be supported with specific NDT procedures based on these standards.

Liaisons:

A listing of relevant external international organizations or internal parties (other ISO and/or IEC committees) to be engaged as liaisons in the development of the deliverable(s).

ISO/TC 135

Joint/parallel work:

Possible joint/parallel work with:

IEC (please specify committee ID)

[Click here to enter text.](#)

CEN (please specify committee ID)

[Click here to enter text.](#)

Other (please specify)

[Click here to enter text.](#)

A listing of relevant countries which are not already P-members of the committee.

[Click here to enter text.](#)

Note: The committee secretary shall distribute this NWIP to the countries listed above to see if they wish to participate in this work

<p>Proposed Project Leader (name and e-mail address) Gerd Ahlers Gerd.Ahlers@eon.com</p>	<p>Name of the Proposer (include contact information) DIN</p>
<p>This proposal will be developed by:</p> <p><input checked="" type="checkbox"/> An existing Working Group (please specify which one: WG 3)</p> <p><input type="checkbox"/> A new Working Group (title: Click here to enter text.) (Note: establishment of a new WG must be approved by committee resolution)</p> <p><input type="checkbox"/> The TC/SC directly</p> <p><input type="checkbox"/> To be determined</p>	
<p>Supplementary information relating to the proposal</p> <p><input checked="" type="checkbox"/> This proposal relates to a new ISO document;</p> <p><input type="checkbox"/> This proposal relates to the adoption as an active project of an item currently registered as a Preliminary Work Item;</p> <p><input type="checkbox"/> This proposal relates to the re-establishment of a cancelled project as an active project.</p> <p>Other: Click here to enter text.</p>	
<p><input type="checkbox"/> Annex(es) are included with this proposal (give details) Click here to enter text.</p>	