Convention on the Transboundary Effects of Industrial Accidents

Workshop on the use of indicators and criteria for the implementation of the Strategic Approach Bratislava, 4 – 6 May 2011

Self-evaluating progress for the working area 3: PREVENTION with use of Indicators and Criteria

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Requirements of the Convention Art.6 (prevention)

- (1) the Parties shall take appropriate measures for the prevention of industrial accidents
- (2) the Parties shall ensure that operators reduce the risk of industrial accidents (list of measures in Annex IV)
- the Parties shall require the operators to demonstrate the safe performance of hazardous activity (list of measures in Annex V) (3)

Competent authorities establish transparent and robust system ensure functioning of the system in practice Operators: responsible for safe operation demonstrate control over the hazards of accidents

2 indicators of progress for working area "PREVENTION" reflex the requirements of the Convention

First indicator:

mechanism giving the responsibility for industrial safety to hazardous Activity operators = set of procedures, implementation rules and actions allowing the CAs: (a) to unambiguously identity HA operators as responsible for the safe operation of activities; and (b) to unambiguously oblige HA operators to demonstrate the safe operation of activities to the competent authorities using defined methodologies, methods and models.

Second indicator:

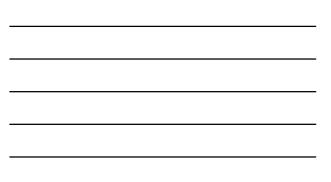
mechanism introducing the control regime of the Competent Authorities

Set of procedures, implementation rules and actions allowing the competent authorities to manage industrial accident hazards. In practice this means that the competent authority has — as a minimum — set safety goals, identified the scope/dimension of major accident hazards in the country and organized monitoring of hazardous activities from an industrial accident hazard point of view. Such monitoring could consist of the review of safety documentation, licensing, inspection control and prohibitions.

progress stage to be evaluated with the use of criteria for each indicator separately

Combination of indicators and criteria

Indicators / Criteria	First Indicator Mechanism giving the responsibility for industrial safety to hazardous activity operators	Second Indicator. Mechanism introducing the control regime of the Competent Authorities
Progress stage 1	Little awareness	Little awareness
Progress stage 2	Initial discussions	Initial discussions
Progress stage 3	Decision taken	Decision taken
Progress stage 4	Intensive and detailed discussions	Intensive and detailed discussions
Progress stage 5	Mechanism adopted	Mechanism adopted
Progress stage 6	Mechanism operational and implemented in practice	Mechanism operational and implemented in practice



Assigning stages of progress to first indicator: mechanism giving the responsibility for industrial safety to hazardous activity operators

Progress stage 1 (little awareness) is reached: ...

Progress stage 2 (initial discussions) is reached: ...

Progress stage 3 (decision taken) is reached: ...

Progress stage 4 (intensive and detailed discussion) is reached: ...

Assigning stages of progress to first indicator: mechanism giving the responsibility for industrial safety to hazardous activity operators

Progress stage 5 (mechanism adopted) is reached when:

- 1. Mechanism is adopted and introduced in the national legal framework, but not yet operational in practice.
- 2. The adopted mechanism defines the following as a minimum:
 - Parameters for linking the degree of hazard with the responsibility for safe operation /which activities are considered to have industrial accident potential and fall under the scope of the mechanism/
 - Parameters for defining the scope of demonstrations linked with the degree of hazard *ickear rules for operators*/
 - Content of the demonstration /clear expectations from operators....Annex V:analysis and evaluation /
 Methodologies, methods and models to be used for the demonstration
 /harmonised demonstration in call accertacy
 - Frequency of demonstration, review/revision of demonstration

Assigning stages of progress to first indicator:

mechanism giving the responsibility for industrial safety to hazardous activity operators

Progress stage 6 (mechanism operational and implemented in practice) is reached when:

- 1. Resources (staff, funding, etc.) have been secured.
- 2. Authorities provide awareness campaigns for HA operators.
- 3. There is training/guidance available for HA operators, if needed.

Stage of progress of Slovenia for first indicator:

mechanism giving the responsibility for industrial safety to hazardous activity operators

- 1. Mechanism is adopted and introduced in the national legal framework and operational in practice.
- 2. The adopted mechanism defines the following as a minimum:
- Parameters for linking the degree of hazard with the responsibility for safe operation quantities of hazardous substances present, hazardous characteriscics of substances
- Parameters for defining the scope of demonstrations linked with the degree of hazard quantities of hazardous substances present, hazardous characteristics of substances, two-tier scope
- Content of the demonstration first-tier: limited content = MAPP + measures (reflect elements of Safety Management System) to implement policy in practice second-tier: extended content = policy, internal management system, demonstration of prevention measures based on scenarios, emergency plan
- Thesaures based on scenarios, energency pairs and the scenarios of policy defined in detail, elements of thermal management system defined in detail, content of safety report defined in detail, methods to review hazards and identify scenarios, models to assess after or scenarios, the scenarios and scenarios
- Frequency of demonstration, review/revision of demonstration wherever there is a change affecting hazards of accidents or preventative measure, at least every 5 yrs

Assigning stages of progress to second indicator: mechanism introducing the control regime of competent authorities

Progress stage 1 (little awareness) is reached: ...

Progress stage 2 (initial discussions) is reached: ...

Progress stage 3 (decision taken) is reached: ...

Progress stage 4 (ntensive and detailed discussion) is reached: ...

Assigning stages of progress to second indicator: mechanism introducing the control regime of competent authorities

Progress stage 5 (mechanism adopted) is reached when:

- 1. Mechanism is adopted and introduced in the national legal framework, but not yet operational in practice.
- 2. The adopted mechanism defines the following as a minimum:
 - Hazardous activities identification parameters

 - Trazatious activities wernincation parameters, Licensing of planned hazardous activities (scope and content of safety documentation, administrative procedure, criteria for granting/denying a licence); Examination of safety documentation provided by HA operators for demonstration purposes, Examination of safety documentation provide up in operations to tenioristration purposes, Communication of the results of safety documentation examination, especially: safety measures to be taken by the operator, procedure and deadlines; Criteria for prohibiting a hazardous activity from operating; Inspection controls (goals and modalities of inspections); Þ
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 - Methods of inspections, actions in case of non-compliance
 - Procedure for the prohibition of the operation of a hazardous activity;
 - Responsible competent authorities
- 3. The need for training to implement a mechanism has been discussed.
- 4. A training programme has been designed in case of a confirmed need.

Assigning stages of progress to second indicator: mechanism introducing the control regime of competent authorities

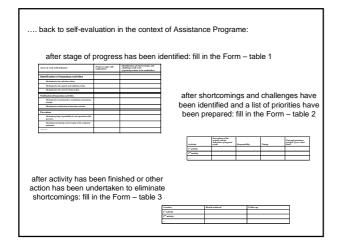
Progress stage 6 (mechanism operational and implemented in practice) is reached when:

- 1. Mechanism (as adopted in progress stage 5) is implemented in practice by competent authorities.
- 2. Resources (staff, funding, etc.) have been secured.
- 3. Competent national experts are available, aware and continuously trained to use the mechanism.
- 4. Guidance documents and/or checklists are available and used, if needed. There is exchange of information/experience within the country and between countries.

Stage of progress of Slovenia for second indicator: mechanism introducing the control regime of competent authorities

Mechanism is adopted and introduced in the national legal framework and operational in practice. The adopted mechanism defines:

- > Hazardous activities identification parameters
- ics of hazardous s
- Licensing of planned hazardous activities (scope and content of safety documentation.
- administrative procedure, criteria for granting/denying a licence); > Examination of safety documentation provided by HA operators for demonstration purposes
- Communication of the results of safety documentation examination, especially; safety measures to be taken by the operator, procedure and deadlines; on for a licence, two
- > Criteria for prohibiting a hazardous activity from operating
- Inspection controls (goals and modalities of inspections)
- Methods of inspections, actions in case of non-compliance
- Procedure for the prohibition of the operation of a hazardous activity ۶
- Responsible competent authorities
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In conclusion:

- indicators and criteria reflect the importance of prevention?
- indicators and criteria reflect benefits of prevention?
- indicators and criteria reflect challenges of prevention?