



INTERNATIONAL ATOMIC ENERGY AGENCY

MEETING REPORT

DECOMMISSIONING CONDUCT WORKING GROUP

*“Use of safety Assessment in Planning and Implementation of decommissioning
of Facilities using radioactive material” (FaSa Project)*

Second Joint FaSa Working Group Meeting

7 December – 11 December 2009, BMU, Bonn

Patrice François (France)
Chairman, Decommissioning Conduct Working Group

(December 2009)

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Appendix A. List of Participants

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1. Meeting of the Decommissioning Conduct Working Group

The Decommissioning Conduct Working Group (DC WG) meeting was held from 7 to 11 December 2009 in Bonn as part of the FaSa Project.

The purpose of this working group meeting was to perform a final review of the draft chapter 4 to consolidate:

- additional contribution;
- the approach developed to describe the evolution process of the safety assessments and the related studies;
- the decision making process;
- the update of the “overarching safety report”.

It was also expected to identify issues to be addressed by the implementation of safety assessment results working group.

The meeting was chaired by P. François (France).

2. Participants

16 participants followed the DC WG. Ten participants were from operating organisations and 5 participants from regulators and TSO/Consultants (5) including IAEA.

A list of the participants of this meeting is enclosed in Appendix A.

3. Review of the draft Chapter 4 of the FaSa report

3.1. Structure and content of the draft chapter 4

The structure of the Chapter 4 updated during the last meeting in April 2009 is as follow:

- Section 1: Phased approach in decommissioning,
- Section 2: Levels and evolution of the safety assessments,
- Section 3: Reasons to update safety assessments.

The structure of the draft chapter 4 has been reviewed in order to address the issues related to the management of the modifications during the implementation of a decommissioning project. The objective is to describe the decision making process implemented by many operators in order to start dismantling operations when a detailed safety assessment is made available and to manage the modifications (ie cutting techniques, minor events, etc.) which could occurred during the operations. A new section (number 3) has been introduced “Management of modifications during decommissioning”.

The section dealing with the “reasons to update safety assessments” has been also reviewed to enlarge its scope. It has been decided to address the reasons to update the safety assessments, the overarching safety report and the final decommissioning plan. The new title of this updated section (number 4) is “Reasons to update safety documentations”.

The new structure of the draft chapter 4 is the following:

- Section 1: Phased approach
- Section 2: Evolution of safety assessment
- Section 3: Management of modifications during decommissioning
 - Internal approval process
- Section 4: Reasons to update safety documentations

3.2. Improvement of the chapter 4 on decommissioning conduct

Many examples have been collected from participants experience feedback in order to developed each section of the draft chapter 4. The status of the examples is the following one:

- **Section 1: Phased approach**

Examples of phased approach have been provided for the following facilities:

- 10 examples have been collected:
 - 3 examples for NPP
 - 4 examples for fuel cycle facilities
 - 2 examples for Research Reactors,
 - 1 example for an underground laboratory
- 1 additional example for Mining is expected (**Action: A. Cadden**)

- **Section 2: Evolution of safety assessment**

4 examples have been collected to describe the evolution process of the safety assessments associated to the implementation of a phased approach during decommissioning (one from Uk, 2 from France, one from Italy).

- **Section 3: Management of modifications during decommissioning**

3 examples have been collected to describe the decision making process (one from Uk, one from France, one from Italy). One additional example from Bulgaria has been provided during the meeting.

Additional contributions are expected from Canada and Germany.

- **Section 4: Reasons to update safety documentations**

The sub-sections dealing with the reasons to update the overarching safety report and the safety assessments has been kept. In order to address the outcomes from the discussion held during the plenary meeting, an additional sub-section dealing with the reasons to update the Final Decommissioning Plan has been discussed.

Further work

- **A new paragraph will be developed by the WG leader and V. Ljubenov (IAEA). This paragraph will be submitted to the participants for review.**

Nota: A new paragraph has been provided by V. Ljubenov the 18th of December 2009 and introduced in the draft chapter 4.

4. Interfaces with WG on planning

Interface with WG on planning

Recommendations concerning the update of the key deliverables identified by the WG on planning (Final decommissioning plan and the overarching safety report) have to be checked. It is considered by the WG on conduct that the Final decommissioning plan and the overarching safety report are live documents which need to be update during the decommissioning project. The evolution of such documents has to be addressed by the Planning WG and the update of such documents has to be addressed by the Conduct WG.

Interface with WG on implementation of safety assessments results

No specific recommendations have provided for the working group on implementation of safety assessments results. It has been decided to address this issue during the meeting of this working group (see the minutes of the WG on implementation, leader M. Pennington).

5. Work implementation

The following work implementation process has been agreed:

- **send the minutes of the meeting and the new draft chapter 4 to all the participants of the WG on decommissioning conduct and the WG leaders within the end of the year 2009, (*Action WG leader*),**
- **contribution by participants of the WG on decommissioning conduct before end of February 2010 (*All participants*),**
- **Issue a new draft of chapter 4 for the beginning/mid of March 2010**

6. Distribution

J. Kaulard, Chairman, FaSa Project

WG leaders:

P. Manson, Decommissioning Planning Working Group Chair

P. François, Decommissioning Conduct Working Group Chair

A. Hart, Decommissioning Termination Working Group Chair (2009)

O. Lareynie, Decommissioning Termination Working Group Chair (2010)

M. Pennington, Safety Assessments Implementation Working Group Chair

N. Orlando, Review Working Group Chair

Test case leaders:

A. Bassanelli, NPP Test Case Working Group Chair

A. Halle, Fuel Fabrication Test Case Working Group Chair

K. Lauridsen, Research Reactor Test Case Working Group Chair

A. Cadden, Mining and Milling Test Case Working Group Chair

IAEA:

J. Rowat, IAEA

V. Ljubenov, IAEA Scientific Secretary

FaSa website

LIST OF PARTICIPANTS

E. Anastosova	Bulgaria
P. Auffray	France
A. Bassanelli	Italy
J. Bouffier	France
A. Cadden	UK
I. Davidova	Czech Republic
S.V. Dhlomo	South Africa
P. François	France
K. Lauridsen	Denmark
S. Miller	Canada
A. Motoc	Hungary
M. Pennington	UK
B. Rehs	Germany
E. Strub	Germany
F. Van Gemert	Netherlands
V. Ljubenov	IAEA

**Draft chapter 4
December 2009**