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MAXSIMA

Deliverable D1.9 Process for the monitoring and assessment of progress

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RE	Restricted to a group specified by the partners of the MAXSIMA project	
CO	Confidential, only for partners of the MAXSIMA project	



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MAXSIMA

Methodology, Analysis and eXperiments for the "Safety In MYRRHA Assessment"

EC project officer: Mykola DŽUBINSKÝ

Workpackage N°:	1	Task N°:	-
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↪ Short description of revision:

Summary: This document describes how the project is monitored, hereby ensuring the coherency and consistency with the project quality plan as well as in funding and resources. The document also stipulates different measures for a successful conclusion of the project.

Title:

Process for the monitoring and assessment of progress

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2013-05-15				
DATE	<i>Author</i> Marc Schyns SCK•CEN	<i>Task leader</i> Name/Company Signature	<i>WP leader</i> Name/Company Signature	<i>Coordinator</i> Marc Schyns SCK•CEN

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1. Introduction

1.1. Purpose

The present document describes the process for the monitoring and assessment of progress for the MAXSIMA project (**M**ethodology, **A**nalysis and **eX**periments for the "Safety In MYRRHA Assessment) of the 7th Framework Programme.

1.2. Administration

The project office team (PCO) is responsible for the administration of the document in conformity with the project quality plan. Proposals for modifications or additions must be submitted to the PCO, who takes care of updates and also issues the revisions of the document. Each new issue will be indicated in the revised document by means of a revision number.

1.3. Dissemination

Copies of the document are distributed to each beneficiary of the MAXSIMA project at the issue date. It will also be available on the project's website.

2. Work plan, progress and resources monitoring

2.1. Work plan

The Coordinator is in charge of elaboration of the Detailed Work Plan in cooperation with the WP Leaders. The consistency with the overall work programme should be ensured and then compiled into a unique Work Plan for the Project.

2.2. Work progress

2.2.1. Meetings

Periodic or ad hoc technical progress meetings can be organised by WP Leaders and the coordinator throughout the project. After a consultation of involved participants, an item containing at least the meeting date, place and preliminary agenda should be created as soon as possible in the "Meetings" files section of the web platform.

After the meeting the Organiser has to prepare minutes and make them available online.

All progress meetings shall be notified on the web platform, and participants warned electronically, including systematic notification to the EC Project Officer, the Coordinator and the PCO.

2.2.2. Reporting

The Coordinator is responsible for issuing the reporting to the EC, as required by the GOV. The WP leaders are required to report progress information on their WP.

2.2.3. Resources

The WP Leaders are responsible for verifying and confirming the consistency between the funding needs and the resources as defined in the Grant Agreement. If adaptations appear to be necessary, the WP Leaders have to inform the Coordinator, who may propose to the Governing Board some adaptations of the distribution of tasks and funding between the WPs, and if necessary between Partners.

3. Assessment of progress

The progress will be assessed against the following measures of success:

- Smooth organization of the project including correct and timely delivery of administrative and technical documents.
- Assessment of the impact of some accident situations on the neutronic features of the core like steam or water ingress into the core, core compaction, control rod ejection, beam window breakage,
- Implementation of a complete 3-D nodal neutron kinetics that will require the generation of a complete set of cross sections to be used as input data for the 3-D model of the core.
- Safety studies extended to an evaluation of the radiological safety and protection.
- Assessment of the core reactivity and related reactor power variations due to all major reactivity feedback effects
- Establishment of the coolability of a fuel bundle in accident scenarios by experimentally studying the effects of channel blockage.
- Validation of a buoyancy-driven control rod system that in emergency scenarios will have a safety function
- Determination of the effects of a SGTR event in terms of mechanical damage to in-vessel structures and damage propagation
- Evaluation of the migration of steam bubbles in the melt by numerical simulations.
- Determination of leak rate, bubble sizes from typical cracks, friction coefficient of gas bubbles moving in liquid LBE.
- Assessment of the coolant-cladding interaction and fuel-coolant interaction during severe accident conditions.
- Transient irradiation experiments by delivering a power pulse to a fuel segment
- Pre-engineering of a core melt experiment in LBE for MYRRHA type fuel
- Experimental verification of possible fuel coolant chemical interactions
- Passive safety systems design to be tested for the different main references of the EU LFR roadmap.
- Detailed evaluation of source terms as well as a containment analysis
- Organization of two workshops and one lecture series in the duration of the project.
- Dissemination of the project's results according to the dissemination plan.

Degrève Margot

From: Schyns Marc
Sent: donderdag 16 mei 2013 9:03
To: Degrève Margot
Subject: FW: 323312 - MAXSIMA - Acknowledgement of Receipt of a submitted deliverable (D1.9 Process for the monitoring and assessment of progress)

From: European Commission [mailto:no-reply@ec.europa.eu]
Sent: woensdag 15 mei 2013 11:58
To: Schyns Marc
Subject: 323312 - MAXSIMA - Acknowledgement of Receipt of a submitted deliverable (**D1.9 Process for the monitoring and assessment of progress**)

Europa / Research / Participant Portal notification

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Research and Innovation DG, Brussels, Belgium

Subject: 323312 - MAXSIMA - Acknowledgment of Receipt (**D1.9 Process for the monitoring and assessment of progress**)

Dear Coordinator,

Thank you for submitting a scientific deliverable for the project 323312 - MAXSIMA.

Your scientific deliverable (Process for the monitoring and assessment of progress) has been received by the European Commission - Research and Innovation DG.

Please note that this acknowledgement of receipt does not imply that your deliverable is complete or accepted.

Where appropriate, you will be contacted in due course by your contact person(s) in the European Commission - Research and Innovation DG.

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This Acknowledgement of Receipt has been registered as document Ares(2013)1100206.

Yours sincerely,
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