

Organisation de Coopération et de Développement Économiques Organisation for Economic Co-operation and Development

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NUCLEAR ENERGY AGENCY COMMITTEE ON THE SAFETY OF NUCLEAR INSTALLATIONS

Cancels & replaces the same document of 10 March 2016

Working Group on Integrity and Ageing of Components and Structures (IAGE WG)

39th MEETING OF THE INTEGRITY AND AGEING OF COMPONENTS AND STRUCTURES WORKING GROUP (WGIAGE)

OECD Conference Centre, Paris, France 11-14 April 2016

JT03392885

39th MEETING OF THE INTEGRITY AND AGEING OF COMPONENTS AND STRUCTURES WORKING GROUP (WGIAGE)

OECD Conference Centre 2 rue André Pascal – 75016 Paris, France 11-14 April 2016

The 39th meetings of WGIAGE and its subgroups will be held on 11-14 April 2016 at the OECD Conference Centre, 2 rue André Pascal, 75016 Paris, France.

The WGIAGE meeting will begin at 13:00 hours on Wednesday, April 13 in Room CC5 in the OECD Conference Centre and is expected to finish by 16:30 hours on Thursday, April 14. The three sub-group meetings are in rooms CC5, CC7 and CC15 before WGIAGE meeting.

Delegates wishing to present papers, proposals, etc., are requested to transmit a copy of the paper to the NEA Secretariat (Olli Nevander and Olivia Stefanuto) **before 3 April 2016**, at the latest. Please note that due to the timing and location of this meeting the Secretariat cannot guarantee that copies will be available for distribution or in the working group webpage if received after this date. Alternatively, delegates are invited to bring 20 copies of documents with them for distribution at the meeting.

Delegates participating are advised that the security arrangements in force at the OECD include the obligation to present an identity document bearing a photograph. This document may be requested at the time of issuing delegates' cards for the meeting. It should also be presented subsequently together with the card every time OECD premises are entered from the outside. It is desirable that the delegates are aware of this requirement in order to avoid any difficulty in obtaining entry.

It is imperative that the names and addresses of designated participants be communicated to the NEA Secretariat as soon as possible, but not later than 25 March 2016.

Contact Information:

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For information and planning

WGIAGE Concrete sub-group meeting	Monday, 11 April (10 am to 5 pm) - Tuesday, 12 April 12 (9 am to 12)	OECD Conference Centre: Room CC5
WGIAGE Seismic sub-group meeting	Tuesday, 12 April (9 am to 5 pm) – Wednesday, 13 April (9 am to 11 am)	OECD Conference Centre: Room CC15 and CC5
WGIAGE Metal sub-group meeting	Monday, 11 April (start at 10 am) - Wednesday 13 April (end at 11 am)	OECD Conference Centre: Room CC7
WGIAGE Meeting	Wednesday 13 April (13:00 pm to 5:30 pm) - Thursday 14 April (9 am to 4:30 pm)	OECD Conference Centre: Room CC5

http://www.oecd-nea.org/download/iage

LOCATION OF THE MEETING

The address is

OECD Conference Centre 2 rue André Pascal 75016 Paris, France

More information at www.oecd.org/conferencecentre

EQUIPMENT AVAILABLE FOR THE PRESENTATION

The meeting room is equipped for overhead projection directly from a computer (available in the meeting room).

TRANSPORTATION

The OECD is close to metro, RER, Tram and bus lines. All information can be found at http://www.oecd.org/conferencecentre or at www.ratp.fr

ACCOMMODATION

Participants have to make their own reservation.
A list of hotels is available at http://www.oecd.org/conferencecentre

MATERIAL DISTRIBUTED PRIOR TO THE MEETING:

All material sent to the secretariat before 3 April 2016 is available at http://www.oecd-nea.org/download/iage (NEA username and password required)

Note: Please delegates should be aware that before use in OECD computers the USB keys should be scanned by the dedicated computer in the Conference Centre.

WGIAGE AGENDA 2016

The 39th WGIAGE Main Group meeting will begin at Wednesday 13 April (13:00 pm to 5:30 pm) - Thursday 14 April (9 am to 4:30 pm) 2016 at the OECD Room CC5. The following agenda for the meeting is proposed.

1.0 Opening	g and introductory remarks Opening of meeting	WGIAGE Chairman J. Sievers	
2.0 Adoptio	on of the Meeting Agenda [NEA/SEN/SIN/IAGE/A(2016)1]	NEA/O. Nevander	
	necking of the list of participants (official representatives of untries should be indicated in the list)		
	al of the 38 th Meeting Summary Record EN/SIN/IAGE(2015)1]	NEA/O. Nevander	
4.0 Report	by Secretariat		
4.1 NEA §	general remarks	NEA/O. Nevander	
	4.2 Report on relevant NEA CSNI and CNRA activities (including especially CSNI projects and activities relevant to WGIAGE)		
4.3 Struct	4.3 Structure of WGIAGE webpages		
5.0 Long Te	erm Operation (approval of the BTP report)		
5.1	Report: Results on questionnaire on Buried and Underground Tanks and Piping (BTP)	R. Tregoning-USA	
5.2	Comments and conclusions of the BTP report		
6.0 Compor	nents and Structures under Severe Accident Loading	J. Sievers - Germany	
6.1	Status and schedule of the COSSAL activities		
7.0 Round table discussion			
All member countries are invited to present items of interest for R&D related to (for example):			
7.1	Recent component failures or degradations, long-term operation and licence renewal issues of NPPs including components and structures of the spent fuel storages/pools	ALL	

7.2 Implementation of Fukushima lessons learned.	
Report from Sub-Group Chairpersons	
 8.0 Integrity and Ageing of Concrete Structures 8.1 Report on the status of the programme of work 8.2 Report on the new activities proposed and reports to be approved 	Concrete Sub-group Chair F. Tarallo
9.0 Seismic Behaviour of Components and Structures	Seismic Sub-group Chair
 9.1 Report on the status of the programme of work 9.2 Report on the new activities proposed and reports to be approved 	P. Labbé
10.0 Integrity of Metal Components and Structures	Metal Sub-group Chair
10.1 Report on the status of the programme of work10.2 Report on the new activities proposed and reports to be approved	R. Tregoning
11.0 Cooperation with other international organizations (JRC, IAEA, others)	
11.1 IAEA Generic Ageing Lessons Learned Programme (IGALL) – Phase 2 Tasks and Working groups	R. Krivanek - IAEA
International organisations are invited to make a brief update about their current and planned activities accompanied by a tabled presentation to be distributed	
12.0 WGIAGE Planning	
12.1 Review the current programme of work and proposals for new activities	WGIAGE Chairman
Proposals for new tasks, workshops, etc., should be prepared in writing, with clear objectives and participation requirements and be distributed prior to the meeting. A proposal form, adopted by the CSNI PRG, is attached to this notification and should be used when submitting proposals.	
12.2 Discussion on the WGIAGE Integrated Plan	
13.0 Any other business	
14.0 Next Meeting (main agenda items, dates and places	
14.1 Discussion on the dates and schedule of next meeting on April 2017	
15.0 Closure of meeting	
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21^{TH} WGIAGE CONCRETE SUB-GROUP MEETING - TENTATIVE AGENDA

The 21th WGIAGE Concrete sub-group meeting will be held on Monday, 11 April at 10 am to Tuesday, 12 April (end at 12 am) 2016 at **the OECD Room CC5**. The following tentative agenda for the meeting is proposed:

1.0	Opening and introductory remarks	
2.0	Adoption of the Meeting Agenda [NEA/SEN/SIN/IAGE/A(2016)1]	NEA
3.0	Approval of the 20 th Meeting Summary Record [Appendix 2 of the NEA/SEN/SIN/IAGE(2015)1] and status of last meeting actions	NEA/Y. Choi
4.0	 New CAPS proposals discussed during last meeting 4.1 Preliminary CAPS proposal 2015 by GRS: Probabilistic Methods in Structural Analysis of Building Structures of Nuclear Facilities 4.2 Preliminary CAPS proposal 2015 by EDF for VERCORS tests 	WGIAGE Concrete Sub-group Chair
5.0 5.1	Round table discussion. Delegates are invited to present any development in programmes and policies, including presentations on items of interest (Please send your presentations in advance to the Secretariat, if any) Update on any development in programmes and policies in member countries	All
6.0	Cooperation with other international organizations (EC, IAEA, others) (Please send your presentations in advance to the Secretariat, if any)	IAEA, EC, ITER
7.0	Improving Robustness Assessment Methodologies for Structures Impacted by Missiles (IRIS Phase 3) 7.1 Report on the status and schedule of the programme of work	G. Hervé- France
8.0	Assessment of Structures subject to Concrete Pathologies (ASCET) 8.1 Approval of the report on ASCET phase I work 8.2 Scope and schedule of ASCET phase 2 benchmark	A. Blahoianu, N. Orbovic

9.0 WGIAGE Concrete Sub-group Programme of Work

9.1 New proposals to be discussed

Proposals for new tasks, workshops, etc., should be prepared in writing, with clear objectives and participation requirements and be distributed prior to the meeting. A proposal form, adopted by the CSNI PRG, is attached to this notification and should be used when submitting proposals.

9.2 Discussion of the Medium term strategy of the WGIAGE Concrete Subgroup and prioritisation of activities

WGIAGE Concrete Sub-group Chair

10.0 Any other business

11.0 Closure of meeting

$\mathbf{21}^{\mathrm{TH}}$ WGIAGE SEISMIC SUB-GROUP MEETING - TENTATIVE AGENDA

The 21th WGIAGE Seismic sub-group meeting will be held on Tuesday, 12 April (9 pm to 5 pm) at the **OECD room CC15** and on Wednesday, 13 April (9 am to 11:30 am) at **Room CC5.** The following tentative agenda for the meeting is proposed:

1.0	Opening and introductory remarks	WGIAGE Seismic Sub-group Chair
2.0	Adoption of the Meeting Agenda [NEA/SEN/SIN/IAGE/A(2016)1]	
3.0	Approval of the 20 th Meeting Summary Record [Appendix 4 of the NEA/SEN/SIN/IAGE 2015]	NEA/ O. Nevander and T. Koganeya
	3.1 Status of last meeting actions	NEA/Chair
	3.2 Brief summary of results on the additional meeting/teleconference on 18 September 2015, Paris	
4.0	Nuclear facilities that have experienced an earthquake	
	Report on information about earthquakes in Member countries from 1st January to December 31, 2016, plus all past earthquakes not previously reported.	All
5.0	MECOS (Metallic Component Margins under High Seismic Loads)	J-M Rambach
	5.1 Interim report on results	F. Moreau
	5.2 Status and Schedule of the Benchmark activity	France
6.0	CASH seismic CApacity of reinforced concrete SHear walls	A. Torre
	6.1 Interim report on results	France
	6.2 Status and Schedule of the Benchmark activity	
7.0	Methodology development for improved assessment of the SSE robustness against on-site observations	E. Viallet France
	7.1 Schedule, scope and objectives of the work	Trance
	7.2 Discussion on the sites, which are included to the assessment	
	7.3 Discussion on the working methods	
8.0	Comparison of probabilistic seismic hazard analysis (PSHA) 8.1 Schedule, scope and objectives of the PSHA work 8.2 Questionnaire on PSHA methodology and its comments	P. Välikangas Finland

9.0 Round table discussion. Delegates are invited to present any development in programmes and policies. (Please send your presentations in advance to the Secretariat, if any) Update on any development in programmes and policies in member countries	All
10.0 Cooperation with other international organizations (EC, IAEA, others)	ISSC (IAEA), EC, ITER
Report on the status of the database on NPP that experienced earthquakes as part of the ISSC	O. Coman - ISSC
(Please send your presentations in advance to the Secretariat, if any) 11.0 WGIAGE Seismic Sub-group Programme of Work	
11.1 New proposals and two proposals discussed at the last meeting O New CAPS: Training Course on Specific Issues of Accident Management of Seismic Events - (CSNI WGRISK discussion on this subject was done in their meeting on March 2016)	L. Pecinka - Czech
Proposals for new tasks, workshops, etc., should be prepared in writing, with clear objectives and participation requirements and be distributed prior to the meeting. A proposal form, adopted by the CSNI PRG, is attached to this notification and should be used when submitting proposals.	WGIAGE Seismic Sub-group Chair
11.2 Discussion of the Medium term strategy of the WGIAGE Seismic Sub-group; prioritisation of activities	
12.0 Any other business	
13.0 Closure of meeting	

21^{TH} WGIAGE METAL SUB-GROUP MEETING - TENTATIVE AGENDA

The 21th WGIAGE Metal sub-group meeting will be held on Monday, 11 April (start at 10 pm) to Wednesday 13 April (end at 11 am) 2016 **at the OECD Room CC7**. The following tentative agenda for the meeting is proposed:

1.0 Opening and introductory remarks	WGIAGE Metal Sub-group Chairman
2.0 Adoption of the Meeting Agenda [NEA/SEN/SIN/IAGE/A(2016)1]	
3.0 Approval of the 20 th Meeting Summary Record [Appendix 3 of the NEA/SEN/SIN/IAGE(2015)] and status of last meeting actions	NEA/O. Nevander
 4.0 Fatigue tests on structures 4.1 Discussion on the available tests on structures and databases on fatigue experiments during the metals group meeting on the fatigue topic 4.2 Proceedings of the fatigue conference in Seville, Spain, September 2015: Results and conclusions of the report 4.3 Technical Note on Fatigue of components and structures (old CAPS 2009/4): Results and conclusions of the report 	R. Tregoning - USA O. Nevander/NEA O. Nevander/NEA
 5.0 Benchmark on the analytical evaluation of the fracture mechanic parameters K and J 5.1 Status report on the benchmark study 5.2 Results and conclusions of the report 	Y. Kayser - France
 6.0 Leak-before-break (LBB) research 6.1 Report on the results of the LBB survey and questionnaire 6.2 Results and conclusions of the report 6.3 Pending 2015 CAPS of LBB issues: Benchmark Analyses of Leak-Before-Break in Piping Systems 	R. Tregoning - USA
 7.0 Questionnaire on regulatory or other guidance related to vibration limitations 7.1 Pending 2015 CAPS of vibration: Evaluation of design and monitoring requirements for vibrations in safety related fluid systems 	L. Junek - Czech
 8.0 Hydro-proof pressure test 8.1 Status of the work with hydro-pressure tests approaches 8.2 Preparations and schedule for provide a report on the work to the CSNI for approval 	C. Castelao Chairman

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 9.0 Reactor Pressure Vessel Integrity 9.1 Final report on PROSIR activity 9.2 Conclusions and recommendations of the report 	B. Brickstad - Sweden
10.0 Report on results of questionnaire on Buried and Underground Tanks and Piping (BTP)10.1 Results and conclusions of the BTP report	R. Tregoning - USA
 11.0 Round table discussion 11.1 R&D programmes to support ageing management (AM) research 11.2 Operating experience in each member country including last year events related to AM All member countries are invited to present their R&D programmes (past, underway or planned) as well as their operating experiences 	All
12.0 Cooperation with other international organizations (EC, IAEA, others) (Please send your presentations in advance to the Secretariat, if any)	IAEA, EC, ITER
 13.0 WGIAGE Metal sub-group Programme of Work 13.1 Discussion items and proposals for new tasks including the issues of last meetings: In-service inspections of the reactor internals and bottommounted instrumentation nozzles. Operational and functional the design rules for systems only used for plant accidental conditions Activities related to information on xFEM. 13.2 Proposal on the Medium term strategy of the WGIAGE Metal Sub-group Proposals for new tasks, workshops, etc., should be prepared in writing, with clear objectives and participation requirements and be distributed prior to the meeting. A proposal form, adopted by the CSNI PRG, is attached to this notification and should be used when submitting proposals. 	NEA and Metal Chairman
14.0 Any other business	
15.0 Closure of meeting	

CSNI Activity Proposal Sheet (CAPS) for a Proposed New Activity

Project/Activity Title		
Objective		
Scope		
Justification		
Expected results and Deliverables		
Users		
Relation to other projects		
Safety significance/ priority (see priority criteria in Section IV)		
Technical Goal(s) covered		
Knowledge Management and Transfer covered		
Milestones (deliverables vs. time)		
Lead organisation(s) and coordination		
Participants (individuals and organisations)		
Resources		
Requested action from PRG/CSNI		
PRG Recommendation		
CSNI Disposition		_